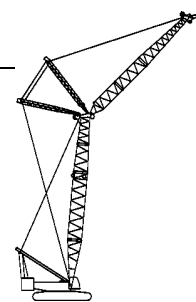




# Liftcrane Luffing Jib Capacities

Luffing Jib No. 59 On Boom No. 58 HL  
 150 590 kg Crane Counterweight  
 54 430 kg Carbody Counterweight  
 360 Degree Rating



## 16000 SERIES 3



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75%

of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

**Luffing Jib Backward Stability:** Capacities indicated by (b) require 4 310 kg minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 5 900 kg minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 7 940 kg minimum weight suspended beneath luffing jib point.

**Caution: Do not luff into areas indicated by (b), (c) or (d) without required minimum weights.** Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause luffing hoist to go slack causing wire rope damage or failure.

Lower boom point must be completely removed from 54,0 m, 60,0 m and 66,0 m boom lengths.

Upper luffing jib capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper luffing jib capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate on a firm uniformly supporting surface and bearing turntable level within a tolerance of 13 mm in 3 m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A13555**, Wire Rope Specification chart **No. 8724-A**, Counterweight Arrangement chart **No. 8682-A**, Luffing Jib Raising Procedure chart **No. 8723-A**, and Wind Conditions chart **No. 8688-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering,

travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8732-A**.



**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



**BOOM ANGLE:** Boom angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of boom butt and inserts.



**LUFFING JIB ANGLE:** Luffing jib angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



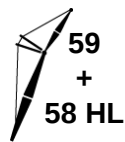
**LUFFING JIB POINT ELEVATION:** Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 26 part boom hoist reeving, boom support straps, 17 part luffing jib hoist reeving, luffing jib and backstay support straps, 150 590 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

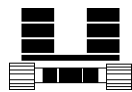
### Boom and/or Jib Catwalks Deduct

Deduct 450 kg from capacities when boom and/or jib catwalks are attached.

## Explanation of Symbols



Luffing Jib No. 59  
+  
Boom No. 58 Heavy Lift Top



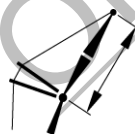
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Boom Length



Luffing Jib Length

### Explanation of Symbols (continued)



Boom Angle  
(see page 1)



Operating Radius  
(see page 1)



Luffing Jib Angle  
(see page 1)



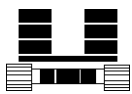
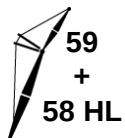
Luffing Jib Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

# 16000 S-3

ANSI B30.5



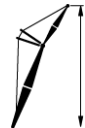
150 590 kg  
+  
54 430 kg



30,0 m

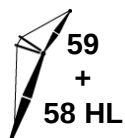


24,0 m

|      |  87°  |                                                                                        |                                                                                        |  85°   |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |                                                                                           |                                                                                          |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|      | <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 11,6 | 73,5                                                                                   | 55,8                                                                                   | 185 200 *c                                                                             |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 11,6                                                                                     |
| 12,0 | 72,5                                                                                   | 55,7                                                                                   | 180 100 *c                                                                             |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 12,0                                                                                     |
| 14,0 | 67,3                                                                                   | 54,9                                                                                   | 157 700 *b                                                                             | 70,1                                                                                    | 55,2                                                                                   | 161 600 b                                                                              |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 14,0                                                                                     |
| 16,0 | 62,0                                                                                   | 53,9                                                                                   | 139 100 b                                                                              | 64,9                                                                                    | 54,3                                                                                   | 140 300 b                                                                              |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0 | 56,3                                                                                   | 52,6                                                                                   | 121 100                                                                                | 59,4                                                                                    | 53,2                                                                                   | 118 900                                                                                |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0 | 50,2                                                                                   | 51,0                                                                                   | 105 000                                                                                | 53,5                                                                                    | 51,8                                                                                   | 103 500                                                                                | 61,1                                                                                    | 53,1                                                                                    | 99 600 b                                                                                 |                                                                                           | 20,0                                                                                     |
| 22,0 | 43,4                                                                                   | 49,0                                                                                   | 92 700                                                                                 | 47,1                                                                                    | 50,0                                                                                   | 91 400                                                                                 | 55,4                                                                                    | 51,8                                                                                    | 87 900                                                                                   |                                                                                           | 22,0                                                                                     |
| 24,0 | 35,6                                                                                   | 46,4                                                                                   | 82 900                                                                                 | 39,9                                                                                    | 47,7                                                                                   | 81 600                                                                                 | 49,2                                                                                    | 50,2                                                                                    | 78 600                                                                                   |                                                                                           | 24,0                                                                                     |
| 26,0 | 25,7                                                                                   | 42,7                                                                                   | 74 600                                                                                 | 31,3                                                                                    | 44,7                                                                                   | 73 600                                                                                 | 42,3                                                                                    | 48,1                                                                                    | 70 900                                                                                   |                                                                                           | 26,0                                                                                     |
| 28,0 |                                                                                        |                                                                                        |                                                                                        | 19,3                                                                                    | 40,1                                                                                   | 66 300                                                                                 | 34,2                                                                                    | 45,3                                                                                    | 64 400                                                                                   |                                                                                           | 28,0                                                                                     |
| 30,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        | 23,7                                                                                    | 41,4                                                                                    | 58 900                                                                                   |                                                                                           | 30,0                                                                                     |
| 32,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

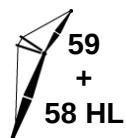


24,0 m

|      | 75°  |      |        | 70°  |      |        | 65°  |      |        |      |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      |      |      |        |      |      |        |      |      |        |      |
|      | m    | o    | m      | kg   | o    | m      | kg   | o    | m      | kg   |
| 11,6 |      |      |        |      |      |        |      |      |        | 11,6 |
| 12,0 |      |      |        |      |      |        |      |      |        | 12,0 |
| 14,0 |      |      |        |      |      |        |      |      |        | 14,0 |
| 16,0 |      |      |        |      |      |        |      |      |        | 16,0 |
| 18,0 |      |      |        |      |      |        |      |      |        | 18,0 |
| 20,0 |      |      |        |      |      |        |      |      |        | 20,0 |
| 22,0 |      |      |        |      |      |        |      |      |        | 22,0 |
| 24,0 | 57,1 | 51,6 | 75 600 |      |      |        |      |      |        | 24,0 |
| 26,0 | 51,0 | 50,0 | 68 100 |      |      |        |      |      |        | 26,0 |
| 28,0 | 44,4 | 48,1 | 61 900 | 52,6 | 49,6 | 59 500 |      |      |        | 28,0 |
| 30,0 | 36,7 | 45,6 | 56 700 | 46,1 | 47,7 | 54 400 |      |      |        | 30,0 |
| 32,0 | 27,2 | 42,1 | 52 100 | 38,8 | 45,4 | 50 000 | 47,6 | 47,1 | 47 900 | 32,0 |
| 34,0 |      |      |        | 29,9 | 42,3 | 46 200 | 40,4 | 44,9 | 44 300 | 34,0 |
| 36,0 |      |      |        | 16,8 | 37,2 | 42 700 | 32,0 | 41,9 | 41 000 | 36,0 |
| 38,0 |      |      |        |      |      |        | 20,3 | 37,5 | 38 100 | 38,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

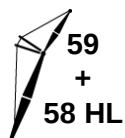


30,0 m

|      | 87°  |      |            | 85°  |      |           | 80°  |      |          |      |
|------|------|------|------------|------|------|-----------|------|------|----------|------|
|      |      |      |            |      |      |           |      |      |          |      |
|      | m    | o    | m          | kg   | o    | m         | kg   | o    | m        | kg   |
| 13,7 | 72,7 | 61,4 | 154 700 *b |      |      |           |      |      |          | 13,7 |
| 14,0 | 72,1 | 61,3 | 152 300 *b |      |      |           |      |      |          | 14,0 |
| 16,0 | 68,0 | 60,6 | 136 000 *b | 70,2 | 60,9 | 137 600 b |      |      |          | 16,0 |
| 18,0 | 63,8 | 59,6 | 120 400    | 66,0 | 60,0 | 119 000   |      |      |          | 18,0 |
| 20,0 | 59,4 | 58,5 | 104 900    | 61,7 | 59,0 | 103 300   | 67,3 | 59,9 | 99 300 b | 20,0 |
| 22,0 | 54,7 | 57,1 | 92 600     | 57,2 | 57,7 | 91 200    | 63,1 | 58,9 | 87 600   | 22,0 |
| 24,0 | 49,8 | 55,4 | 82 800     | 52,4 | 56,2 | 81 500    | 58,6 | 57,7 | 78 300   | 24,0 |
| 26,0 | 44,4 | 53,5 | 74 800     | 47,3 | 54,5 | 73 600    | 54,0 | 56,3 | 70 700   | 26,0 |
| 28,0 | 38,5 | 51,1 | 68 000     | 41,7 | 52,3 | 66 900    | 49,0 | 54,6 | 64 300   | 28,0 |
| 30,0 | 31,6 | 48,1 | 62 200     | 35,4 | 49,7 | 61 200    | 43,5 | 52,6 | 58 800   | 30,0 |
| 32,0 |      | 43,9 | 57 200     | 27,8 | 46,2 | 56 300    | 37,5 | 50,1 | 54 200   | 32,0 |
| 34,0 |      |      |            | 17,0 | 41,0 | 51 600    | 30,3 | 47,0 | 50 100   | 34,0 |
| 36,0 |      |      |            |      |      |           | 21,0 | 42,5 | 46 400   | 36,0 |
| 38,0 |      |      |            |      |      |           |      |      |          | 38,0 |
| 40,0 |      |      |            |      |      |           |      |      |          | 40,0 |
| 42,0 |      |      |            |      |      |           |      |      |          | 42,0 |
| 44,0 |      |      |            |      |      |           |      |      |          | 44,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

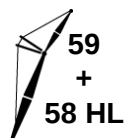


30,0 m

|      | 75°  |   |      | 70°    |      |      | 65°    |      |      |        |
|------|------|---|------|--------|------|------|--------|------|------|--------|
|      |      |   |      |        |      |      |        |      |      |        |
|      | m    | o | m    | kg     | o    | m    | kg     | o    | m    | kg     |
| 13,7 |      |   |      |        |      |      |        |      |      | 13,7   |
| 14,0 |      |   |      |        |      |      |        |      |      | 14,0   |
| 16,0 |      |   |      |        |      |      |        |      |      | 16,0   |
| 18,0 |      |   |      |        |      |      |        |      |      | 18,0   |
| 20,0 |      |   |      |        |      |      |        |      |      | 20,0   |
| 22,0 |      |   |      |        |      |      |        |      |      | 22,0   |
| 24,0 |      |   |      |        |      |      |        |      |      | 24,0   |
| 26,0 | 59,9 |   | 57,4 | 67 800 |      |      |        |      |      | 26,0   |
| 28,0 | 55,3 |   | 56,1 | 61 600 |      |      |        |      |      | 28,0   |
| 30,0 | 50,4 |   | 54,5 | 56 400 |      |      |        |      |      | 30,0   |
| 32,0 | 45,2 |   | 52,6 | 51 900 | 51,7 | 54,0 | 49 700 |      |      | 32,0   |
| 34,0 | 39,3 |   | 50,2 | 48 000 | 46,6 | 52,2 | 45 900 |      |      | 34,0   |
| 36,0 | 32,6 |   | 47,3 | 44 500 | 40,9 | 50,0 | 42 600 | 47,7 | 51,5 | 40 800 |
| 38,0 | 24,1 |   | 43,4 | 41 400 | 34,4 | 47,3 | 39 700 | 42,1 | 49,4 | 38 000 |
| 40,0 |      |   |      |        | 26,5 | 43,7 | 37 000 | 35,9 | 46,8 | 35 400 |
| 42,0 |      |   |      |        | 14,8 | 37,9 | 34 600 | 28,4 | 43,5 | 33 200 |
| 44,0 |      |   |      |        |      |      |        | 18,0 | 38,4 | 31 000 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

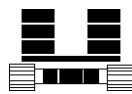
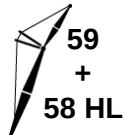


36,0 m

|      | 87°  |      |            | 85°  |      |         | 80°  |      |        |      |
|------|------|------|------------|------|------|---------|------|------|--------|------|
|      |      |      |            |      |      |         |      |      |        |      |
| m    | o    | m    | kg         | o    | m    | kg      | o    | m    | kg     | m    |
| 15,2 | 73,1 | 67,3 | 136 100 *b |      |      |         |      |      |        | 15,2 |
| 16,0 | 71,8 | 67,0 | 131 200 *b |      |      |         |      |      |        | 16,0 |
| 18,0 | 68,4 | 66,2 | 118 900 *  | 70,2 | 66,6 | 118 100 |      |      |        | 18,0 |
| 20,0 | 64,9 | 65,3 | 104 500    | 66,8 | 65,7 | 102 800 |      |      |        | 20,0 |
| 22,0 | 61,3 | 64,2 | 92 300     | 63,2 | 64,7 | 90 800  |      |      |        | 22,0 |
| 24,0 | 57,6 | 63,0 | 82 500     | 59,6 | 63,6 | 81 100  | 64,4 | 64,6 | 77 900 | 24,0 |
| 26,0 | 53,7 | 61,6 | 74 400     | 55,7 | 62,2 | 73 200  | 60,7 | 63,5 | 70 200 | 26,0 |
| 28,0 | 49,5 | 59,9 | 67 700     | 51,7 | 60,7 | 66 600  | 57,0 | 62,3 | 63 800 | 28,0 |
| 30,0 | 45,1 | 58,0 | 61 900     | 47,5 | 58,9 | 60 900  | 53,0 | 60,8 | 58 400 | 30,0 |
| 32,0 | 40,3 | 55,7 | 57 000     | 42,9 | 56,9 | 56 100  | 48,8 | 59,1 | 53 700 | 32,0 |
| 34,0 | 34,9 | 53,0 | 52 700     | 37,8 | 54,4 | 51 800  | 44,4 | 57,1 | 49 700 | 34,0 |
| 36,0 | 28,6 | 49,6 | 48 900     | 32,1 | 51,4 | 48 100  | 39,5 | 54,8 | 46 100 | 36,0 |
| 38,0 | 20,6 | 45,0 | 45 600     | 25,2 | 47,5 | 44 800  | 34,0 | 52,0 | 42 900 | 38,0 |
| 40,0 |      |      |            |      |      |         | 27,5 | 48,5 | 40 100 | 40,0 |
| 42,0 |      |      |            |      |      |         | 19,0 | 43,5 | 37 500 | 42,0 |
| 44,0 |      |      |            |      |      |         |      |      |        | 44,0 |
| 46,0 |      |      |            |      |      |         |      |      |        | 46,0 |
| 48,0 |      |      |            |      |      |         |      |      |        | 48,0 |
| 50,0 |      |      |            |      |      |         |      |      |        | 50,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

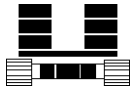
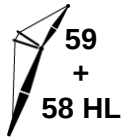


36,0 m

|      | 75°  |   |      | 70°    |      |      | 65°    |      |      |        |
|------|------|---|------|--------|------|------|--------|------|------|--------|
|      |      |   |      |        |      |      |        |      |      |        |
|      | m    | o | m    | kg     | o    | m    | kg     | o    | m    | kg     |
| 15,2 |      |   |      |        |      |      |        |      |      | 15,2   |
| 16,0 |      |   |      |        |      |      |        |      |      | 16,0   |
| 18,0 |      |   |      |        |      |      |        |      |      | 18,0   |
| 20,0 |      |   |      |        |      |      |        |      |      | 20,0   |
| 22,0 |      |   |      |        |      |      |        |      |      | 22,0   |
| 24,0 |      |   |      |        |      |      |        |      |      | 24,0   |
| 26,0 |      |   |      |        |      |      |        |      |      | 26,0   |
| 28,0 | 61,8 |   | 63,2 | 61 100 |      |      |        |      |      | 28,0   |
| 30,0 | 58,1 |   | 62,0 | 55 800 |      |      |        |      |      | 30,0   |
| 32,0 | 54,2 |   | 60,6 | 51 400 |      |      |        |      |      | 32,0   |
| 34,0 | 50,1 |   | 59,0 | 47 500 | 55,2 | 60,1 | 45 300 |      |      | 34,0   |
| 36,0 | 45,7 |   | 57,1 | 44 000 | 51,1 | 58,5 | 42 000 |      |      | 36,0   |
| 38,0 | 40,9 |   | 54,8 | 41 000 | 46,8 | 56,7 | 39 100 |      |      | 38,0   |
| 40,0 | 35,7 |   | 52,2 | 38 300 | 42,2 | 54,6 | 36 500 | 47,8 | 56,0 | 34 800 |
| 42,0 | 29,5 |   | 48,9 | 35 900 | 37,1 | 52,0 | 34 200 | 43,2 | 54,0 | 32 600 |
| 44,0 | 21,8 |   | 44,5 | 33 600 | 31,2 | 49,0 | 32 100 | 38,2 | 51,5 | 30 600 |
| 46,0 |      |   |      |        | 24,0 | 44,9 | 30 200 | 32,5 | 48,6 | 28 700 |
| 48,0 |      |   |      |        | 13,4 | 38,6 | 28 300 | 25,7 | 44,8 | 27 000 |
| 50,0 |      |   |      |        |      |      |        | 16,3 | 39,2 | 25 400 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

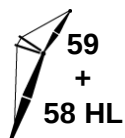


42,0 m

|      | 87°  |      |            | 85°  |      |         | 80°  |      |        |      |
|------|------|------|------------|------|------|---------|------|------|--------|------|
|      |      |      |            |      |      |         |      |      |        |      |
|      | m    | o    | m          | kg   | o    | m       | kg   | o    | m      | kg   |
| 16,8 | 73,4 | 73,1 | 120 400 *b |      |      |         |      |      |        | 16,8 |
| 18,0 | 71,6 | 72,7 | 114 100 *  |      |      |         |      |      |        | 18,0 |
| 20,0 | 68,7 | 71,9 | 104 400    | 70,3 | 72,2 | 102 500 |      |      |        | 20,0 |
| 22,0 | 65,7 | 71,0 | 91 900     | 67,3 | 71,4 | 90 400  |      |      |        | 22,0 |
| 24,0 | 62,7 | 70,0 | 82 100     | 64,3 | 70,4 | 80 700  |      |      |        | 24,0 |
| 26,0 | 59,5 | 68,8 | 74 000     | 61,2 | 69,4 | 72 800  | 65,3 | 70,3 | 69 700 | 26,0 |
| 28,0 | 56,3 | 67,5 | 67 300     | 58,0 | 68,2 | 66 200  | 62,2 | 69,3 | 63 300 | 28,0 |
| 30,0 | 52,9 | 66,1 | 61 600     | 54,7 | 66,8 | 60 600  | 59,0 | 68,1 | 57 900 | 30,0 |
| 32,0 | 49,3 | 64,4 | 56 700     | 51,2 | 65,2 | 55 700  | 55,8 | 66,8 | 53 300 | 32,0 |
| 34,0 | 45,6 | 62,5 | 52 400     | 47,6 | 63,4 | 51 500  | 52,3 | 65,3 | 49 300 | 34,0 |
| 36,0 | 41,5 | 60,3 | 48 700     | 43,7 | 61,4 | 47 800  | 48,7 | 63,6 | 45 700 | 36,0 |
| 38,0 | 37,1 | 57,7 | 45 400     | 39,5 | 59,0 | 44 600  | 44,9 | 61,6 | 42 600 | 38,0 |
| 40,0 | 32,2 | 54,7 | 42 400     | 34,9 | 56,3 | 41 700  | 40,8 | 59,4 | 39 800 | 40,0 |
| 42,0 | 26,4 | 51,0 | 39 700     | 29,6 | 53,0 | 39 000  | 36,4 | 56,8 | 37 300 | 42,0 |
| 44,0 | 19,0 | 46,0 | 37 300     | 23,2 | 48,8 | 36 600  | 31,3 | 53,7 | 35 000 | 44,0 |
| 46,0 |      |      |            |      |      |         | 25,4 | 49,8 | 32 900 | 46,0 |
| 48,0 |      |      |            |      |      |         | 17,5 | 44,4 | 31 000 | 48,0 |
| 50,0 |      |      |            |      |      |         |      |      |        | 50,0 |
| 52,0 |      |      |            |      |      |         |      |      |        | 52,0 |
| 54,0 |      |      |            |      |      |         |      |      |        | 54,0 |
| 56,0 |      |      |            |      |      |         |      |      |        | 56,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

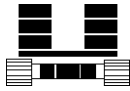
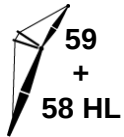


42,0 m

|      | 75°  |      |        | 70°  |      |        | 65°  |      |        |      |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      |      |      |        |      |      |        |      |      |        |      |
| m    | o    | m    | kg     | o    | m    | kg     | o    | m    | kg     | m    |
| 16,8 |      |      |        |      |      |        |      |      |        | 16,8 |
| 18,0 |      |      |        |      |      |        |      |      |        | 18,0 |
| 20,0 |      |      |        |      |      |        |      |      |        | 20,0 |
| 22,0 |      |      |        |      |      |        |      |      |        | 22,0 |
| 24,0 |      |      |        |      |      |        |      |      |        | 24,0 |
| 26,0 |      |      |        |      |      |        |      |      |        | 26,0 |
| 28,0 |      |      |        |      |      |        |      |      |        | 28,0 |
| 30,0 |      |      |        |      |      |        |      |      |        | 30,0 |
| 32,0 | 60,0 | 67,8 | 50 900 |      |      |        |      |      |        | 32,0 |
| 34,0 | 56,7 | 66,5 | 47 000 |      |      |        |      |      |        | 34,0 |
| 36,0 | 53,3 | 65,1 | 43 600 |      |      |        |      |      |        | 36,0 |
| 38,0 | 49,8 | 63,4 | 40 600 | 54,2 | 64,6 | 38 600 |      |      |        | 38,0 |
| 40,0 | 46,1 | 61,6 | 37 900 | 50,7 | 63,0 | 36 100 |      |      |        | 40,0 |
| 42,0 | 42,1 | 59,4 | 35 500 | 47,0 | 61,2 | 33 800 | 51,5 | 62,3 | 32 100 | 42,0 |
| 44,0 | 37,7 | 56,9 | 33 400 | 43,1 | 59,1 | 31 700 | 47,8 | 60,5 | 30 100 | 44,0 |
| 46,0 | 32,9 | 54,0 | 31 300 | 38,9 | 56,7 | 29 800 | 44,0 | 58,5 | 28 300 | 46,0 |
| 48,0 | 27,2 | 50,4 | 29 500 | 34,2 | 53,9 | 28 100 | 39,8 | 56,2 | 26 600 | 48,0 |
| 50,0 | 20,1 | 45,6 | 27 900 | 28,8 | 50,5 | 26 500 | 35,2 | 53,5 | 25 100 | 50,0 |
| 52,0 |      |      |        | 22,1 | 46,1 | 25 000 | 30,0 | 50,2 | 23 700 | 52,0 |
| 54,0 |      |      |        |      |      |        | 23,7 | 46,0 | 22 400 | 54,0 |
| 56,0 |      |      |        |      |      |        | 15,0 | 40,0 | 21 100 | 56,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

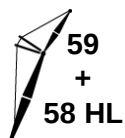


48,0 m

|      | 87°  |      |           | 85°  |      |        | 80°  |      |        |      |
|------|------|------|-----------|------|------|--------|------|------|--------|------|
|      |      |      |           |      |      |        |      |      |        |      |
|      | m    | o    | m         | kg   | o    | m      | kg   | o    | m      | kg   |
| 18,3 | 73,7 | 78,9 | 107 400 * |      |      |        |      |      |        | 18,3 |
| 20,0 | 71,5 | 78,3 | 100 400   |      |      |        |      |      |        | 20,0 |
| 22,0 | 69,0 | 77,6 | 91 900    | 70,3 | 77,9 | 90 100 |      |      |        | 22,0 |
| 24,0 | 66,4 | 76,7 | 81 600    | 67,7 | 77,1 | 80 200 |      |      |        | 24,0 |
| 26,0 | 63,7 | 75,7 | 73 600    | 65,1 | 76,2 | 72 300 |      |      |        | 26,0 |
| 28,0 | 61,0 | 74,6 | 66 900    | 62,4 | 75,1 | 65 700 | 65,9 | 76,0 | 62 800 | 28,0 |
| 30,0 | 58,2 | 73,4 | 61 200    | 59,7 | 74,0 | 60 000 | 63,3 | 75,0 | 57 300 | 30,0 |
| 32,0 | 55,3 | 72,1 | 56 200    | 56,8 | 72,7 | 55 300 | 60,5 | 73,9 | 52 700 | 32,0 |
| 34,0 | 52,3 | 70,5 | 52 000    | 53,9 | 71,3 | 51 000 | 57,7 | 72,7 | 48 700 | 34,0 |
| 36,0 | 49,2 | 68,8 | 48 200    | 50,9 | 69,7 | 47 400 | 54,8 | 71,3 | 45 100 | 36,0 |
| 38,0 | 45,9 | 67,0 | 44 900    | 47,7 | 67,9 | 44 100 | 51,8 | 69,8 | 42 100 | 38,0 |
| 40,0 | 42,4 | 64,8 | 42 000    | 44,3 | 65,9 | 41 200 | 48,7 | 68,0 | 39 300 | 40,0 |
| 42,0 | 38,7 | 62,4 | 39 300    | 40,7 | 63,6 | 38 600 | 45,4 | 66,1 | 36 700 | 42,0 |
| 44,0 | 34,6 | 59,6 | 37 000    | 36,8 | 61,0 | 36 200 | 41,8 | 63,9 | 34 500 | 44,0 |
| 46,0 | 30,0 | 56,3 | 34 800    | 32,5 | 58,0 | 34 100 | 38,0 | 61,5 | 32 500 | 46,0 |
| 48,0 | 24,6 | 52,3 | 32 800    | 27,6 | 54,5 | 32 200 | 33,9 | 58,6 | 30 600 | 48,0 |
| 50,0 | 17,7 | 46,9 | 30 900    | 21,6 | 49,9 | 30 300 | 29,2 | 55,2 | 28 900 | 50,0 |
| 52,0 |      |      |           |      |      |        | 23,6 | 51,0 | 27 300 | 52,0 |
| 54,0 |      |      |           |      |      |        | 16,3 | 45,2 | 25 800 | 54,0 |
| 56,0 |      |      |           |      |      |        |      |      |        | 56,0 |
| 58,0 |      |      |           |      |      |        |      |      |        | 58,0 |
| 60,0 |      |      |           |      |      |        |      |      |        | 60,0 |
| 62,0 |      |      |           |      |      |        |      |      |        | 62,0 |

# 16000 S-3

ANSI B30.5



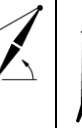
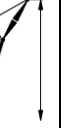
150 590 kg  
+  
54 430 kg

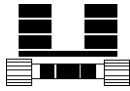
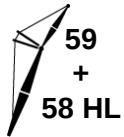


30,0 m



48,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 61,3                                                                                   | 73,6                                                                                   | 46 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 58,6                                                                                   | 72,4                                                                                   | 43 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 55,7                                                                                   | 71,1                                                                                   | 40 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 52,7                                                                                   | 69,6                                                                                   | 37 300                                                                                  | 56,4                                                                                   | 70,5                                                                                   | 35 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 49,6                                                                                   | 67,9                                                                                   | 34 900                                                                                  | 53,5                                                                                   | 69,1                                                                                   | 33 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 46,3                                                                                   | 66,0                                                                                   | 32 800                                                                                  | 50,4                                                                                   | 67,5                                                                                   | 31 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 42,9                                                                                   | 63,9                                                                                   | 30 800                                                                                  | 47,2                                                                                   | 65,7                                                                                   | 29 200                                                                                  | 51,1                                                                                   | 66,7                                                                                    | 27 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 39,2                                                                                   | 61,6                                                                                   | 29 000                                                                                  | 43,8                                                                                   | 63,6                                                                                   | 27 500                                                                                  | 47,9                                                                                   | 65,0                                                                                    | 26 000                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 35,1                                                                                   | 58,8                                                                                   | 27 400                                                                                  | 40,1                                                                                   | 61,3                                                                                   | 25 900                                                                                  | 44,5                                                                                   | 63,0                                                                                    | 24 500                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 30,6                                                                                   | 55,6                                                                                   | 25 900                                                                                  | 36,2                                                                                   | 58,7                                                                                   | 24 500                                                                                  | 40,9                                                                                   | 60,7                                                                                    | 23 100                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 25,4                                                                                   | 51,7                                                                                   | 24 500                                                                                  | 31,8                                                                                   | 55,6                                                                                   | 23 100                                                                                  | 37,1                                                                                   | 58,2                                                                                    | 21 900                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 18,7                                                                                   | 46,5                                                                                   | 23 200                                                                                  | 26,8                                                                                   | 51,9                                                                                   | 21 900                                                                                  | 32,8                                                                                   | 55,2                                                                                    | 20 700                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 20,6                                                                                   | 47,2                                                                                   | 20 700                                                                                  | 27,9                                                                                   | 51,7                                                                                    | 19 500                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,1                                                                                   | 47,2                                                                                    | 18 500                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 13,9                                                                                   | 40,7                                                                                    | 17 500                                                                                    | 62,0                                                                                     |



150 590 kg  
+  
54 430 kg



30,0 m

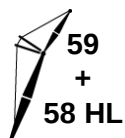


54,0 m

|      | 87°  |      |          | 85°  |      |        | 80°  |      |        |      |
|------|------|------|----------|------|------|--------|------|------|--------|------|
|      |      |      |          |      |      |        |      |      |        |      |
|      | m    | o    | m        | kg   | o    | m      | kg   | o    | m      | kg   |
| 19,8 | 73,8 | 84,7 | 95 800 * |      |      |        |      |      |        | 19,8 |
| 20,0 | 73,6 | 84,6 | 95 200 * |      |      |        |      |      |        | 20,0 |
| 22,0 | 71,4 | 84,0 | 88 800 * |      |      |        |      |      |        | 22,0 |
| 24,0 | 69,1 | 83,2 | 81 400   | 70,3 | 83,5 | 79 900 |      |      |        | 24,0 |
| 26,0 | 66,8 | 82,4 | 73 200   | 68,1 | 82,7 | 71 800 |      |      |        | 26,0 |
| 28,0 | 64,5 | 81,4 | 66 400   | 65,7 | 81,8 | 65 200 |      |      |        | 28,0 |
| 30,0 | 62,1 | 80,4 | 60 700   | 63,4 | 80,8 | 59 600 | 66,5 | 81,7 | 56 900 | 30,0 |
| 32,0 | 59,6 | 79,2 | 55 800   | 60,9 | 79,8 | 54 800 | 64,1 | 80,7 | 52 200 | 32,0 |
| 34,0 | 57,1 | 78,0 | 51 600   | 58,5 | 78,6 | 50 600 | 61,7 | 79,7 | 48 200 | 34,0 |
| 36,0 | 54,5 | 76,6 | 47 800   | 55,9 | 77,2 | 46 900 | 59,2 | 78,5 | 44 600 | 36,0 |
| 38,0 | 51,9 | 75,0 | 44 500   | 53,3 | 75,8 | 43 600 | 56,7 | 77,2 | 41 600 | 38,0 |
| 40,0 | 49,1 | 73,3 | 41 600   | 50,6 | 74,1 | 40 800 | 54,1 | 75,8 | 38 800 | 40,0 |
| 42,0 | 46,2 | 71,4 | 38 900   | 47,7 | 72,4 | 38 200 | 51,4 | 74,2 | 36 300 | 42,0 |
| 44,0 | 43,1 | 69,4 | 36 500   | 44,7 | 70,4 | 35 800 | 48,6 | 72,5 | 34 000 | 44,0 |
| 46,0 | 39,8 | 67,0 | 34 400   | 41,6 | 68,2 | 33 700 | 45,7 | 70,6 | 32 000 | 46,0 |
| 48,0 | 36,3 | 64,4 | 32 400   | 38,2 | 65,7 | 31 800 | 42,6 | 68,5 | 30 200 | 48,0 |
| 50,0 | 32,5 | 61,4 | 30 600   | 34,6 | 62,9 | 30 000 | 39,3 | 66,1 | 28 400 | 50,0 |
| 52,0 | 28,2 | 57,8 | 28 900   | 30,5 | 59,7 | 28 400 | 35,7 | 63,4 | 26 900 | 52,0 |
| 54,0 | 23,1 | 53,5 | 27 400   | 25,9 | 55,8 | 26 900 | 31,8 | 60,3 | 25 400 | 54,0 |
| 56,0 | 16,6 | 47,7 | 25 900   | 20,3 | 51,0 | 25 400 | 27,4 | 56,7 | 24 100 | 56,0 |
| 58,0 |      |      |          |      |      |        | 22,2 | 52,2 | 22 800 | 58,0 |
| 60,0 |      |      |          |      |      |        | 15,3 | 46,0 | 21 700 | 60,0 |
| 62,0 |      |      |          |      |      |        |      |      |        | 62,0 |
| 64,0 |      |      |          |      |      |        |      |      |        | 64,0 |
| 66,0 |      |      |          |      |      |        |      |      |        | 66,0 |
| 68,0 |      |      |          |      |      |        |      |      |        | 68,0 |

# 16000 S-3

ANSI B30.5



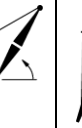
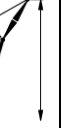
150 590 kg  
+  
54 430 kg



30,0 m

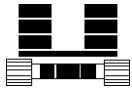
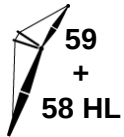


54,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 19,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 19,8                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 60,0                                                                                   | 78,2                                                                                   | 39 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 57,5                                                                                   | 77,0                                                                                   | 36 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 54,9                                                                                   | 75,6                                                                                   | 34 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 52,2                                                                                   | 74,1                                                                                   | 32 300                                                                                  | 55,5                                                                                   | 75,1                                                                                   | 30 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 49,4                                                                                   | 72,4                                                                                   | 30 300                                                                                  | 52,9                                                                                   | 73,6                                                                                   | 28 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 46,5                                                                                   | 70,5                                                                                   | 28 500                                                                                  | 50,2                                                                                   | 71,9                                                                                   | 27 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 43,5                                                                                   | 68,5                                                                                   | 26 900                                                                                  | 47,3                                                                                   | 70,1                                                                                   | 25 400                                                                                  | 50,8                                                                                   | 71,2                                                                                    | 23 900                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 40,3                                                                                   | 66,2                                                                                   | 25 400                                                                                  | 44,3                                                                                   | 68,1                                                                                   | 24 000                                                                                  | 47,9                                                                                   | 69,4                                                                                    | 22 600                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 36,8                                                                                   | 63,6                                                                                   | 24 000                                                                                  | 41,1                                                                                   | 65,9                                                                                   | 22 700                                                                                  | 44,9                                                                                   | 67,5                                                                                    | 21 300                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 33,0                                                                                   | 60,6                                                                                   | 22 800                                                                                  | 37,7                                                                                   | 63,4                                                                                   | 21 500                                                                                  | 41,8                                                                                   | 65,3                                                                                    | 20 200                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 28,8                                                                                   | 57,2                                                                                   | 21 600                                                                                  | 34,0                                                                                   | 60,5                                                                                   | 20 300                                                                                  | 38,5                                                                                   | 62,9                                                                                    | 19 100                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 23,8                                                                                   | 53,0                                                                                   | 20 500                                                                                  | 29,9                                                                                   | 57,2                                                                                   | 19 300                                                                                  | 34,8                                                                                   | 60,1                                                                                    | 18 000                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 17,6                                                                                   | 47,4                                                                                   | 19 400                                                                                  | 25,2                                                                                   | 53,2                                                                                   | 18 200                                                                                  | 30,8                                                                                   | 56,9                                                                                    | 17 100                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 6,8                                                                                    | 37,5                                                                                   | 18 300                                                                                  | 19,4                                                                                   | 48,2                                                                                   | 17 300                                                                                  | 26,3                                                                                   | 53,1                                                                                    | 16 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,8                                                                                   | 48,3                                                                                    | 15 400                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 13,1                                                                                   | 41,3                                                                                    | 14 500                                                                                    | 68,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



360°



30,0 m

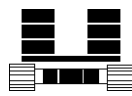
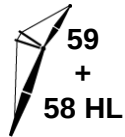


60,0 m

|      | 87°  |      |          | 85°  |      |        | 80°  |      |        |      |
|------|------|------|----------|------|------|--------|------|------|--------|------|
|      |      |      |          |      |      |        |      |      |        |      |
| m    | o    | m    | kg       | o    | m    | kg     | o    | m    | kg     | m    |
| 21,3 | 74,0 | 90,5 | 86 000 * |      |      |        |      |      |        | 21,3 |
| 22,0 | 73,3 | 90,3 | 84 300 * |      |      |        |      |      |        | 22,0 |
| 24,0 | 71,3 | 89,6 | 79 100 * |      |      |        |      |      |        | 24,0 |
| 26,0 | 69,3 | 88,9 | 72 700   | 70,4 | 89,2 | 71 300 |      |      |        | 26,0 |
| 28,0 | 67,2 | 88,1 | 65 900   | 68,3 | 88,4 | 64 700 |      |      |        | 28,0 |
| 30,0 | 65,1 | 87,1 | 60 200   | 66,2 | 87,5 | 59 100 |      |      |        | 30,0 |
| 32,0 | 63,0 | 86,1 | 55 300   | 64,1 | 86,6 | 54 300 | 66,9 | 87,4 | 51 600 | 32,0 |
| 34,0 | 60,8 | 85,0 | 51 100   | 61,9 | 85,5 | 50 000 | 64,8 | 86,4 | 47 600 | 34,0 |
| 36,0 | 58,6 | 83,8 | 47 300   | 59,7 | 84,4 | 46 400 | 62,6 | 85,4 | 44 100 | 36,0 |
| 38,0 | 56,3 | 82,5 | 44 000   | 57,5 | 83,1 | 43 100 | 60,4 | 84,3 | 41 000 | 38,0 |
| 40,0 | 53,9 | 81,1 | 41 100   | 55,2 | 81,7 | 40 300 | 58,2 | 83,1 | 38 200 | 40,0 |
| 42,0 | 51,5 | 79,5 | 38 400   | 52,8 | 80,2 | 37 700 | 55,9 | 81,7 | 35 700 | 42,0 |
| 44,0 | 49,0 | 77,8 | 36 000   | 50,3 | 78,6 | 35 300 | 53,5 | 80,3 | 33 500 | 44,0 |
| 46,0 | 46,4 | 75,9 | 33 900   | 47,8 | 76,8 | 33 200 | 51,1 | 78,7 | 31 400 | 46,0 |
| 48,0 | 43,6 | 73,9 | 31 900   | 45,1 | 74,9 | 31 300 | 48,6 | 77,0 | 29 600 | 48,0 |
| 50,0 | 40,7 | 71,6 | 30 100   | 42,3 | 72,7 | 29 500 | 45,9 | 75,1 | 27 900 | 50,0 |
| 52,0 | 37,7 | 69,1 | 28 500   | 39,3 | 70,3 | 27 900 | 43,2 | 73,0 | 26 300 | 52,0 |
| 54,0 | 34,4 | 66,3 | 27 000   | 36,1 | 67,7 | 26 400 | 40,3 | 70,7 | 24 900 | 54,0 |
| 56,0 | 30,7 | 63,0 | 25 600   | 32,7 | 64,7 | 25 000 | 37,2 | 68,1 | 23 600 | 56,0 |
| 58,0 | 26,7 | 59,3 | 24 200   | 28,9 | 61,2 | 23 700 | 33,8 | 65,2 | 22 400 | 58,0 |
| 60,0 | 21,9 | 54,7 | 23 000   | 24,5 | 57,1 | 22 500 | 30,1 | 62,0 | 21 200 | 60,0 |
| 62,0 | 15,7 | 48,5 | 21 700   | 19,2 | 52,0 | 21 300 | 26,0 | 58,1 | 20 100 | 62,0 |
| 64,0 | 2,6  | 35,0 | 18 400 * | 11,7 | 44,3 | 20 200 | 21,0 | 53,3 | 19 100 | 64,0 |
| 66,0 |      |      |          |      |      |        | 14,5 | 46,7 | 18 100 | 66,0 |
| 68,0 |      |      |          |      |      |        |      |      |        | 68,0 |
| 70,0 |      |      |          |      |      |        |      |      |        | 70,0 |
| 72,0 |      |      |          |      |      |        |      |      |        | 72,0 |
| 74,0 |      |      |          |      |      |        |      |      |        | 74,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg

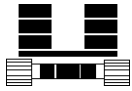
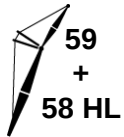


30,0 m



60,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 21,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 21,3                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 61,1                                                                                   | 84,0                                                                                   | 36 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 58,8                                                                                   | 82,8                                                                                   | 33 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 56,6                                                                                   | 81,5                                                                                   | 31 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 54,2                                                                                   | 80,1                                                                                   | 29 700                                                                                  | 57,2                                                                                   | 81,0                                                                                   | 28 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 51,8                                                                                   | 78,5                                                                                   | 27 900                                                                                  | 54,8                                                                                   | 79,6                                                                                   | 26 300                                                                                  |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 49,3                                                                                   | 76,8                                                                                   | 26 300                                                                                  | 52,4                                                                                   | 78,1                                                                                   | 24 700                                                                                  |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 46,7                                                                                   | 75,0                                                                                   | 24 800                                                                                  | 50,0                                                                                   | 76,4                                                                                   | 23 300                                                                                  |                                                                                          |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 44,0                                                                                   | 73,0                                                                                   | 23 500                                                                                  | 47,4                                                                                   | 74,6                                                                                   | 22 000                                                                                  | 50,5                                                                                     | 75,7                                                                                     | 20 600                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 41,1                                                                                   | 70,7                                                                                   | 22 200                                                                                  | 44,7                                                                                   | 72,6                                                                                   | 20 800                                                                                  | 47,9                                                                                     | 73,9                                                                                     | 19 500                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 38,1                                                                                   | 68,2                                                                                   | 21 000                                                                                  | 41,9                                                                                   | 70,4                                                                                   | 19 700                                                                                  | 45,3                                                                                     | 72,0                                                                                     | 18 400                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 34,8                                                                                   | 65,5                                                                                   | 19 900                                                                                  | 38,9                                                                                   | 68,0                                                                                   | 18 700                                                                                  | 42,5                                                                                     | 69,8                                                                                     | 17 400                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 31,2                                                                                   | 62,3                                                                                   | 18 900                                                                                  | 35,7                                                                                   | 65,3                                                                                   | 17 700                                                                                  | 39,5                                                                                     | 67,5                                                                                     | 16 500                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 27,2                                                                                   | 58,6                                                                                   | 17 900                                                                                  | 32,2                                                                                   | 62,3                                                                                   | 16 700                                                                                  | 36,4                                                                                     | 64,8                                                                                     | 15 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 22,6                                                                                   | 54,2                                                                                   | 17 000                                                                                  | 28,3                                                                                   | 58,7                                                                                   | 15 900                                                                                  | 33,0                                                                                     | 61,9                                                                                     | 14 800                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 16,6                                                                                   | 48,3                                                                                   | 16 100                                                                                  | 23,8                                                                                   | 54,5                                                                                   | 15 100                                                                                  | 29,2                                                                                     | 58,4                                                                                     | 14 000                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 6,4                                                                                    | 37,8                                                                                   | 15 200                                                                                  | 18,3                                                                                   | 49,1                                                                                   | 14 300                                                                                  | 24,8                                                                                     | 54,4                                                                                     | 13 300                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 19,6                                                                                     | 49,3                                                                                     | 12 600                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 12,4                                                                                     | 42,0                                                                                     | 11 800                                                                                    | 74,0                                                                                     |



150 590 kg  
+  
54 430 kg



30,0 m

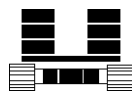
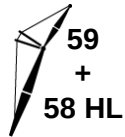


66,0 m

|      | 87°  |      |          | 85°  |      |        | 80°  |      |        |      |
|------|------|------|----------|------|------|--------|------|------|--------|------|
|      |      |      |          |      |      |        |      |      |        |      |
|      | m    | o    | m        | kg   | o    | m      | kg   | o    | m      | kg   |
| 22,9 | 74,1 | 96,3 | 72 600 * |      |      |        |      |      |        | 22,9 |
| 24,0 | 73,1 | 95,9 | 72 100 * |      |      |        |      |      |        | 24,0 |
| 26,0 | 71,2 | 95,3 | 70 900   | 72,2 | 95,5 | 70 200 |      |      |        | 26,0 |
| 28,0 | 69,4 | 94,5 | 65 600   | 70,4 | 94,8 | 64 200 |      |      |        | 28,0 |
| 30,0 | 67,5 | 93,7 | 59 700   | 68,5 | 94,1 | 58 500 |      |      |        | 30,0 |
| 32,0 | 65,6 | 92,8 | 54 800   | 66,6 | 93,2 | 53 700 |      |      |        | 32,0 |
| 34,0 | 63,7 | 91,8 | 50 500   | 64,7 | 92,3 | 49 500 | 67,2 | 93,1 | 47 000 | 34,0 |
| 36,0 | 61,7 | 90,8 | 46 800   | 62,8 | 91,3 | 45 800 | 65,3 | 92,2 | 43 500 | 36,0 |
| 38,0 | 59,7 | 89,6 | 43 500   | 60,8 | 90,2 | 42 600 | 63,4 | 91,2 | 40 300 | 38,0 |
| 40,0 | 57,7 | 88,4 | 40 500   | 58,8 | 88,9 | 39 700 | 61,4 | 90,1 | 37 600 | 40,0 |
| 42,0 | 55,6 | 87,0 | 37 900   | 56,7 | 87,7 | 37 100 | 59,4 | 88,9 | 35 100 | 42,0 |
| 44,0 | 53,4 | 85,6 | 35 500   | 54,6 | 86,2 | 34 800 | 57,3 | 87,7 | 32 900 | 44,0 |
| 46,0 | 51,2 | 84,0 | 33 400   | 52,4 | 84,7 | 32 600 | 55,2 | 86,3 | 30 800 | 46,0 |
| 48,0 | 48,9 | 82,3 | 31 400   | 50,1 | 83,1 | 30 700 | 53,1 | 84,8 | 29 000 | 48,0 |
| 50,0 | 46,5 | 80,4 | 29 600   | 47,8 | 81,3 | 29 000 | 50,8 | 83,2 | 27 300 | 50,0 |
| 52,0 | 44,1 | 78,4 | 28 000   | 45,4 | 79,4 | 27 300 | 48,5 | 81,4 | 25 800 | 52,0 |
| 54,0 | 41,5 | 76,2 | 26 500   | 42,9 | 77,3 | 25 900 | 46,2 | 79,6 | 24 300 | 54,0 |
| 56,0 | 38,7 | 73,7 | 25 000   | 40,2 | 74,9 | 24 500 | 43,7 | 77,5 | 23 000 | 56,0 |
| 58,0 | 35,8 | 71,0 | 23 800   | 37,4 | 72,4 | 23 200 | 41,1 | 75,3 | 21 800 | 58,0 |
| 60,0 | 32,7 | 68,0 | 22 500   | 34,4 | 69,6 | 22 000 | 38,3 | 72,8 | 20 700 | 60,0 |
| 62,0 | 29,2 | 64,6 | 21 400   | 31,1 | 66,4 | 20 900 | 35,3 | 70,1 | 19 600 | 62,0 |
| 64,0 | 25,4 | 60,6 | 20 300   | 27,5 | 62,7 | 19 800 | 32,2 | 67,0 | 18 600 | 64,0 |
| 66,0 | 20,8 | 55,8 | 19 300   | 23,3 | 58,4 | 18 800 | 28,7 | 63,5 | 17 700 | 66,0 |
| 68,0 | 14,9 | 49,3 | 18 100   | 18,3 | 52,9 | 17 900 | 24,7 | 59,4 | 16 800 | 68,0 |
| 70,0 |      |      |          | 11,1 | 44,9 | 16 700 | 20,0 | 54,3 | 15 900 | 70,0 |
| 72,0 |      |      |          |      |      |        | 13,8 | 47,5 | 15 100 | 72,0 |
| 74,0 |      |      |          |      |      |        |      |      |        | 74,0 |
| 76,0 |      |      |          |      |      |        |      |      |        | 76,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

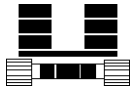
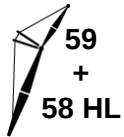


66,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 22,9                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,9                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 62,0                                                                                   | 89,7                                                                                   | 33 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 60,0                                                                                   | 88,6                                                                                   | 31 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 57,9                                                                                   | 87,4                                                                                   | 29 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 55,8                                                                                   | 86,0                                                                                   | 27 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 53,7                                                                                   | 84,6                                                                                   | 25 700                                                                                  | 56,4                                                                                   | 85,5                                                                                   | 24 100                                                                                  |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 51,5                                                                                   | 83,0                                                                                   | 24 200                                                                                  | 54,2                                                                                   | 84,1                                                                                   | 22 700                                                                                  |                                                                                          |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 49,2                                                                                   | 81,3                                                                                   | 22 900                                                                                  | 52,1                                                                                   | 82,6                                                                                   | 21 400                                                                                  |                                                                                          |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 46,9                                                                                   | 79,5                                                                                   | 21 600                                                                                  | 49,8                                                                                   | 80,9                                                                                   | 20 200                                                                                  |                                                                                          |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 44,4                                                                                   | 77,5                                                                                   | 20 400                                                                                  | 47,5                                                                                   | 79,1                                                                                   | 19 100                                                                                  | 50,3                                                                                     | 80,2                                                                                     | 17 800                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 41,8                                                                                   | 75,3                                                                                   | 19 300                                                                                  | 45,0                                                                                   | 77,1                                                                                   | 18 000                                                                                  | 48,0                                                                                     | 78,4                                                                                     | 16 800                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 39,1                                                                                   | 72,9                                                                                   | 18 300                                                                                  | 42,5                                                                                   | 75,0                                                                                   | 17 100                                                                                  | 45,6                                                                                     | 76,5                                                                                     | 15 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 36,2                                                                                   | 70,2                                                                                   | 17 400                                                                                  | 39,8                                                                                   | 72,6                                                                                   | 16 100                                                                                  | 43,0                                                                                     | 74,4                                                                                     | 15 000                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 33,1                                                                                   | 67,2                                                                                   | 16 500                                                                                  | 37,0                                                                                   | 70,1                                                                                   | 15 300                                                                                  | 40,4                                                                                     | 72,1                                                                                     | 14 200                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 29,7                                                                                   | 63,9                                                                                   | 15 600                                                                                  | 33,9                                                                                   | 67,2                                                                                   | 14 500                                                                                  | 37,6                                                                                     | 69,5                                                                                     | 13 400                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 25,9                                                                                   | 60,0                                                                                   | 14 800                                                                                  | 30,6                                                                                   | 63,9                                                                                   | 13 700                                                                                  | 34,6                                                                                     | 66,7                                                                                     | 12 700                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 21,5                                                                                   | 55,3                                                                                   | 14 100                                                                                  | 26,9                                                                                   | 60,2                                                                                   | 13 000                                                                                  | 31,3                                                                                     | 63,6                                                                                     | 12 000                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 15,8                                                                                   | 49,1                                                                                   | 13 300                                                                                  | 22,7                                                                                   | 55,7                                                                                   | 12 300                                                                                  | 27,8                                                                                     | 59,9                                                                                     | 11 300                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 6,1                                                                                    | 38,1                                                                                   | 12 500                                                                                  | 17,4                                                                                   | 50,0                                                                                   | 11 700                                                                                  | 23,6                                                                                     | 55,6                                                                                     | 10 700                                                                                    | 76,0                                                                                     |

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ANSI B30.5



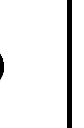
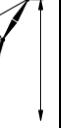
150 590 kg  
+  
54 430 kg



30,0 m

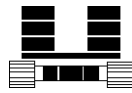
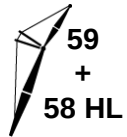


72,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 24,4                                                                                   | 74,2                                                                                   | 102,1                                                                                  | 59 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,4                                                                                     |
| 26,0                                                                                   | 72,9                                                                                   | 101,6                                                                                  | 59 100 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 71,2                                                                                   | 100,9                                                                                  | 58 300 *                                                                                | 72,1                                                                                   | 101,2                                                                                  | 57 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 69,5                                                                                   | 100,2                                                                                  | 57 300 *                                                                                | 70,4                                                                                   | 100,5                                                                                  | 57 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 67,8                                                                                   | 99,4                                                                                   | 54 200                                                                                  | 68,7                                                                                   | 99,7                                                                                   | 53 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 66,0                                                                                   | 98,5                                                                                   | 49 900                                                                                  | 67,0                                                                                   | 98,9                                                                                   | 48 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 64,3                                                                                   | 97,6                                                                                   | 46 200                                                                                  | 65,2                                                                                   | 98,0                                                                                   | 45 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 62,5                                                                                   | 96,5                                                                                   | 42 900                                                                                  | 63,4                                                                                   | 97,0                                                                                   | 42 000                                                                                  | 65,8                                                                                   | 97,8                                                                                    | 39 700                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 60,7                                                                                   | 95,4                                                                                   | 40 000                                                                                  | 61,6                                                                                   | 95,9                                                                                   | 39 100                                                                                  | 64,0                                                                                   | 96,9                                                                                    | 36 900                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 58,8                                                                                   | 94,2                                                                                   | 37 300                                                                                  | 59,8                                                                                   | 94,8                                                                                   | 36 500                                                                                  | 62,2                                                                                   | 95,8                                                                                    | 34 500                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 56,9                                                                                   | 92,9                                                                                   | 35 000                                                                                  | 57,9                                                                                   | 93,5                                                                                   | 34 200                                                                                  | 60,4                                                                                   | 94,7                                                                                    | 32 200                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 55,0                                                                                   | 91,6                                                                                   | 32 800                                                                                  | 56,0                                                                                   | 92,2                                                                                   | 32 100                                                                                  | 58,5                                                                                   | 93,5                                                                                    | 30 200                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 53,0                                                                                   | 90,1                                                                                   | 30 900                                                                                  | 54,0                                                                                   | 90,8                                                                                   | 30 100                                                                                  | 56,6                                                                                   | 92,2                                                                                    | 28 400                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 51,0                                                                                   | 88,5                                                                                   | 29 100                                                                                  | 52,0                                                                                   | 89,2                                                                                   | 28 400                                                                                  | 54,7                                                                                   | 90,8                                                                                    | 26 700                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 48,9                                                                                   | 86,7                                                                                   | 27 400                                                                                  | 50,0                                                                                   | 87,6                                                                                   | 26 800                                                                                  | 52,7                                                                                   | 89,3                                                                                    | 25 200                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 46,7                                                                                   | 84,9                                                                                   | 25 900                                                                                  | 47,8                                                                                   | 85,8                                                                                   | 25 300                                                                                  | 50,6                                                                                   | 87,7                                                                                    | 23 700                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 44,4                                                                                   | 82,9                                                                                   | 24 500                                                                                  | 45,6                                                                                   | 83,8                                                                                   | 23 900                                                                                  | 48,5                                                                                   | 85,9                                                                                    | 22 400                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 42,1                                                                                   | 80,7                                                                                   | 23 200                                                                                  | 43,3                                                                                   | 81,8                                                                                   | 22 600                                                                                  | 46,3                                                                                   | 84,0                                                                                    | 21 200                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 39,6                                                                                   | 78,3                                                                                   | 22 000                                                                                  | 40,9                                                                                   | 79,5                                                                                   | 21 400                                                                                  | 44,1                                                                                   | 82,0                                                                                    | 20 000                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 37,0                                                                                   | 75,7                                                                                   | 20 900                                                                                  | 38,4                                                                                   | 77,0                                                                                   | 20 300                                                                                  | 41,7                                                                                   | 79,8                                                                                    | 19 000                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 34,2                                                                                   | 72,9                                                                                   | 19 800                                                                                  | 35,7                                                                                   | 74,3                                                                                   | 19 300                                                                                  | 39,2                                                                                   | 77,4                                                                                    | 18 000                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 31,2                                                                                   | 69,7                                                                                   | 18 800                                                                                  | 32,9                                                                                   | 71,3                                                                                   | 18 300                                                                                  | 36,6                                                                                   | 74,8                                                                                    | 17 100                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 27,9                                                                                   | 66,1                                                                                   | 17 900                                                                                  | 29,7                                                                                   | 68,0                                                                                   | 17 400                                                                                  | 33,8                                                                                   | 71,9                                                                                    | 16 200                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 24,2                                                                                   | 61,9                                                                                   | 17 000                                                                                  | 26,3                                                                                   | 64,1                                                                                   | 16 500                                                                                  | 30,7                                                                                   | 68,6                                                                                    | 15 400                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 19,9                                                                                   | 56,8                                                                                   | 16 100                                                                                  | 22,3                                                                                   | 59,5                                                                                   | 15 700                                                                                  | 27,4                                                                                   | 64,9                                                                                    | 14 600                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 14,3                                                                                   | 50,0                                                                                   | 14 900                                                                                  | 17,5                                                                                   | 53,8                                                                                   | 14 900                                                                                  | 23,6                                                                                   | 60,6                                                                                    | 13 800                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 10,6                                                                                   | 45,4                                                                                   | 13 600                                                                                  | 19,1                                                                                   | 55,3                                                                                    | 13 100                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 84,0                                                                                     |

# 16000 S-3

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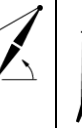
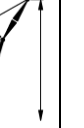
150 590 kg  
+  
54 430 kg



30,0 m

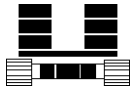
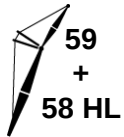


72,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 24,4                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,4                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 60,9                                                                                   | 94,4                                                                                   | 28 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 59,0                                                                                   | 93,2                                                                                   | 26 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 57,2                                                                                   | 91,9                                                                                   | 25 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 55,2                                                                                   | 90,6                                                                                   | 23 500                                                                                  | 57,6                                                                                   | 91,4                                                                                   | 22 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 53,2                                                                                   | 89,1                                                                                   | 22 200                                                                                  | 55,7                                                                                   | 90,0                                                                                   | 20 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 51,2                                                                                   | 87,5                                                                                   | 20 900                                                                                  | 53,8                                                                                   | 88,6                                                                                   | 19 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 49,1                                                                                   | 85,8                                                                                   | 19 800                                                                                  | 51,7                                                                                   | 87,0                                                                                   | 18 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   | 47,0                                                                                   | 83,9                                                                                   | 18 700                                                                                  | 49,7                                                                                   | 85,4                                                                                   | 17 300                                                                                  | 52,2                                                                                   | 86,3                                                                                    | 16 100                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 44,7                                                                                   | 82,0                                                                                   | 17 700                                                                                  | 47,5                                                                                   | 83,6                                                                                   | 16 400                                                                                  | 50,1                                                                                   | 84,6                                                                                    | 15 100                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 42,4                                                                                   | 79,8                                                                                   | 16 700                                                                                  | 45,3                                                                                   | 81,6                                                                                   | 15 500                                                                                  | 48,0                                                                                   | 82,9                                                                                    | 14 300                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 39,9                                                                                   | 77,5                                                                                   | 15 900                                                                                  | 43,0                                                                                   | 79,5                                                                                   | 14 600                                                                                  | 45,8                                                                                   | 80,9                                                                                    | 13 500                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 37,4                                                                                   | 74,9                                                                                   | 15 000                                                                                  | 40,6                                                                                   | 77,2                                                                                   | 13 900                                                                                  | 43,5                                                                                   | 78,9                                                                                    | 12 700                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 34,6                                                                                   | 72,1                                                                                   | 14 200                                                                                  | 38,0                                                                                   | 74,7                                                                                   | 13 100                                                                                  | 41,1                                                                                   | 76,6                                                                                    | 12 000                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 31,6                                                                                   | 68,9                                                                                   | 13 500                                                                                  | 35,3                                                                                   | 72,0                                                                                   | 12 400                                                                                  | 38,6                                                                                   | 74,2                                                                                    | 11 300                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 28,4                                                                                   | 65,4                                                                                   | 12 800                                                                                  | 32,4                                                                                   | 68,9                                                                                   | 11 700                                                                                  | 35,9                                                                                   | 71,5                                                                                    | 10 700                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 24,8                                                                                   | 61,3                                                                                   | 12 100                                                                                  | 29,3                                                                                   | 65,5                                                                                   | 11 100                                                                                  | 33,1                                                                                   | 68,5                                                                                    | 10 100                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 21,7                                                                                   | 56,8                                                                                   | 9 900                                                                                   | 26,5                                                                                   | 61,3                                                                                    | 9 000                                                                                     | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 17,8                                                                                   | 51,2                                                                                    | 7 900                                                                                     | 84,0                                                                                     |

# 16000 S-3

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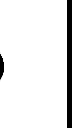
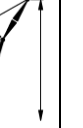
150 590 kg  
+  
54 430 kg



30,0 m

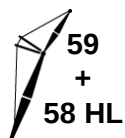


78,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 25,9                                                                                   | 74,3                                                                                   | 107,9                                                                                  | 50 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 25,9                                                                                     |
| 26,0                                                                                   | 74,2                                                                                   | 107,9                                                                                  | 50 700 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 72,7                                                                                   | 107,3                                                                                  | 50 100 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 71,1                                                                                   | 106,6                                                                                  | 49 400 *                                                                                | 72,0                                                                                   | 106,9                                                                                  | 49 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 69,6                                                                                   | 105,9                                                                                  | 48 700 *                                                                                | 70,4                                                                                   | 106,2                                                                                  | 48 500 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 68,0                                                                                   | 105,1                                                                                  | 48 000                                                                                  | 68,8                                                                                   | 105,4                                                                                  | 47 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 66,4                                                                                   | 104,2                                                                                  | 46 000                                                                                  | 67,2                                                                                   | 104,6                                                                                  | 44 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 64,8                                                                                   | 103,3                                                                                  | 42 400                                                                                  | 65,6                                                                                   | 103,7                                                                                  | 41 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 63,1                                                                                   | 102,3                                                                                  | 39 500                                                                                  | 64,0                                                                                   | 102,7                                                                                  | 38 600                                                                                  | 66,1                                                                                   | 103,5                                                                                   | 36 400                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 61,4                                                                                   | 101,2                                                                                  | 36 800                                                                                  | 62,3                                                                                   | 101,7                                                                                  | 36 000                                                                                  | 64,5                                                                                   | 102,6                                                                                   | 33 900                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 59,8                                                                                   | 100,0                                                                                  | 34 500                                                                                  | 60,7                                                                                   | 100,5                                                                                  | 33 700                                                                                  | 62,9                                                                                   | 101,6                                                                                   | 31 700                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 58,0                                                                                   | 98,8                                                                                   | 32 300                                                                                  | 58,9                                                                                   | 99,3                                                                                   | 31 600                                                                                  | 61,2                                                                                   | 100,5                                                                                   | 29 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 56,3                                                                                   | 97,5                                                                                   | 30 400                                                                                  | 57,2                                                                                   | 98,1                                                                                   | 29 600                                                                                  | 59,5                                                                                   | 99,3                                                                                    | 27 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 54,5                                                                                   | 96,1                                                                                   | 28 600                                                                                  | 55,4                                                                                   | 96,7                                                                                   | 27 900                                                                                  | 57,8                                                                                   | 98,1                                                                                    | 26 200                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 52,6                                                                                   | 94,6                                                                                   | 26 900                                                                                  | 53,6                                                                                   | 95,3                                                                                   | 26 300                                                                                  | 56,0                                                                                   | 96,7                                                                                    | 24 600                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 50,7                                                                                   | 92,9                                                                                   | 25 400                                                                                  | 51,7                                                                                   | 93,7                                                                                   | 24 800                                                                                  | 54,2                                                                                   | 95,3                                                                                    | 23 200                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 48,8                                                                                   | 91,2                                                                                   | 24 000                                                                                  | 49,8                                                                                   | 92,0                                                                                   | 23 400                                                                                  | 52,3                                                                                   | 93,8                                                                                    | 21 900                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 46,8                                                                                   | 89,4                                                                                   | 22 700                                                                                  | 47,9                                                                                   | 90,2                                                                                   | 22 100                                                                                  | 50,4                                                                                   | 92,1                                                                                    | 20 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 44,7                                                                                   | 87,4                                                                                   | 21 500                                                                                  | 45,8                                                                                   | 88,3                                                                                   | 20 900                                                                                  | 48,5                                                                                   | 90,4                                                                                    | 19 500                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 42,6                                                                                   | 85,2                                                                                   | 20 400                                                                                  | 43,7                                                                                   | 86,3                                                                                   | 19 800                                                                                  | 46,5                                                                                   | 88,5                                                                                    | 18 500                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 40,3                                                                                   | 82,9                                                                                   | 19 300                                                                                  | 41,5                                                                                   | 84,1                                                                                   | 18 800                                                                                  | 44,4                                                                                   | 86,5                                                                                    | 17 500                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 38,0                                                                                   | 80,4                                                                                   | 18 300                                                                                  | 39,2                                                                                   | 81,7                                                                                   | 17 800                                                                                  | 42,2                                                                                   | 84,3                                                                                    | 16 600                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 35,5                                                                                   | 77,7                                                                                   | 17 400                                                                                  | 36,8                                                                                   | 79,1                                                                                   | 16 900                                                                                  | 40,0                                                                                   | 82,0                                                                                    | 15 700                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 32,8                                                                                   | 74,7                                                                                   | 16 500                                                                                  | 34,3                                                                                   | 76,2                                                                                   | 16 100                                                                                  | 37,6                                                                                   | 79,5                                                                                    | 14 900                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 30,0                                                                                   | 71,3                                                                                   | 15 700                                                                                  | 31,5                                                                                   | 73,0                                                                                   | 15 300                                                                                  | 35,1                                                                                   | 76,7                                                                                    | 14 100                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 26,8                                                                                   | 67,5                                                                                   | 14 900                                                                                  | 28,5                                                                                   | 69,5                                                                                   | 14 500                                                                                  | 32,4                                                                                   | 73,6                                                                                    | 13 400                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 23,3                                                                                   | 63,1                                                                                   | 14 200                                                                                  | 25,2                                                                                   | 65,4                                                                                   | 13 800                                                                                  | 29,5                                                                                   | 70,2                                                                                    | 12 700                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 16,8                                                                                   | 54,7                                                                                   | 12 300                                                                                  | 22,6                                                                                   | 61,8                                                                                    | 11 400                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 12,6                                                                                   | 48,8                                                                                    | 10 200                                                                                    | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 88,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



30,0 m

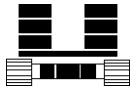
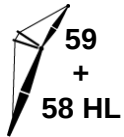


78,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | m    | m     | kg     | m    | m    | kg     |
| 25,9 | °    |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 |      |       |        |      |      |        |
| 44,0 |      |       |        |      |      |        |
| 46,0 |      |       |        |      |      |        |
| 48,0 | 61,7 | 100,1 | 26 100 |      |      |        |
| 50,0 | 60,0 | 99,0  | 24 400 |      |      |        |
| 52,0 | 58,3 | 97,8  | 23 000 |      |      |        |
| 54,0 | 56,5 | 96,5  | 21 600 |      |      |        |
| 56,0 | 54,7 | 95,1  | 20 400 | 56,9 | 95,9 | 18 900 |
| 58,0 | 52,9 | 93,6  | 19 200 | 55,2 | 94,6 | 17 800 |
| 60,0 | 51,0 | 92,0  | 18 200 | 53,3 | 93,1 | 16 800 |
| 62,0 | 49,1 | 90,3  | 17 100 | 51,5 | 91,5 | 15 800 |
| 64,0 | 47,1 | 88,4  | 16 200 | 49,6 | 89,8 | 14 900 |
| 66,0 | 45,0 | 86,5  | 15 300 | 47,6 | 88,0 | 14 100 |
| 68,0 | 42,9 | 84,3  | 14 500 | 45,5 | 86,1 | 13 300 |
| 70,0 | 40,6 | 82,1  | 13 700 | 43,4 | 84,0 | 12 600 |
| 72,0 | 38,3 | 79,6  | 13 000 | 41,2 | 81,8 | 11 800 |
| 74,0 | 35,8 | 76,9  | 12 300 | 38,9 | 79,3 | 11 200 |
| 76,0 | 33,2 | 73,9  | 11 600 | 36,5 | 76,7 | 10 600 |
| 80,0 | 27,2 | 66,9  | 10 400 | 31,1 | 70,6 | 9 400  |
| 84,0 | 19,7 | 57,4  | 9 200  | 24,7 | 62,8 | 8 300  |
| 88,0 |      |       |        | 16,0 | 51,7 | 7 300  |

# 16000 S-3

ANSI B30.5



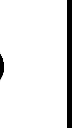
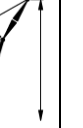
150 590 kg  
+  
54 430 kg

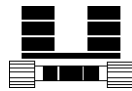
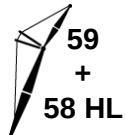


30,0 m



84,0 m

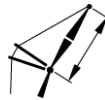
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 27,4                                                                                   | 74,4                                                                                   | 113,7                                                                                  | 42 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 27,4                                                                                     |
| 28,0                                                                                   | 74,0                                                                                   | 113,6                                                                                  | 42 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 72,5                                                                                   | 112,9                                                                                  | 42 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 71,1                                                                                   | 112,2                                                                                  | 41 300 *                                                                                | 71,9                                                                                   | 112,5                                                                                  | 41 200 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 69,6                                                                                   | 111,5                                                                                  | 40 700 *                                                                                | 70,4                                                                                   | 111,8                                                                                  | 40 600 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 68,2                                                                                   | 110,7                                                                                  | 40 100 *                                                                                | 68,9                                                                                   | 111,1                                                                                  | 40 000 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 66,7                                                                                   | 109,9                                                                                  | 39 500 *                                                                                | 67,5                                                                                   | 110,2                                                                                  | 39 500 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 65,2                                                                                   | 108,9                                                                                  | 38 700                                                                                  | 66,0                                                                                   | 109,3                                                                                  | 38 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 63,7                                                                                   | 108,0                                                                                  | 36 300                                                                                  | 64,5                                                                                   | 108,4                                                                                  | 35 400                                                                                  | 66,4                                                                                   | 109,2                                                                                   | 33 300                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 62,1                                                                                   | 106,9                                                                                  | 33 900                                                                                  | 62,9                                                                                   | 107,4                                                                                  | 33 100                                                                                  | 64,9                                                                                   | 108,3                                                                                   | 31 100                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 60,6                                                                                   | 105,8                                                                                  | 31 700                                                                                  | 61,4                                                                                   | 106,3                                                                                  | 31 000                                                                                  | 63,4                                                                                   | 107,3                                                                                   | 29 000                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 59,0                                                                                   | 104,6                                                                                  | 29 800                                                                                  | 59,8                                                                                   | 105,2                                                                                  | 29 000                                                                                  | 61,9                                                                                   | 106,2                                                                                   | 27 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 57,4                                                                                   | 103,3                                                                                  | 28 000                                                                                  | 58,2                                                                                   | 103,9                                                                                  | 27 300                                                                                  | 60,3                                                                                   | 105,1                                                                                   | 25 500                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 55,7                                                                                   | 102,0                                                                                  | 26 300                                                                                  | 56,6                                                                                   | 102,6                                                                                  | 25 700                                                                                  | 58,7                                                                                   | 103,9                                                                                   | 24 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 54,0                                                                                   | 100,6                                                                                  | 24 800                                                                                  | 54,9                                                                                   | 101,2                                                                                  | 24 200                                                                                  | 57,1                                                                                   | 102,6                                                                                   | 22 600                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 52,3                                                                                   | 99,0                                                                                   | 23 400                                                                                  | 53,2                                                                                   | 99,7                                                                                   | 22 800                                                                                  | 55,4                                                                                   | 101,2                                                                                   | 21 300                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 50,6                                                                                   | 97,4                                                                                   | 22 200                                                                                  | 51,5                                                                                   | 98,2                                                                                   | 21 500                                                                                  | 53,8                                                                                   | 99,8                                                                                    | 20 000                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 48,8                                                                                   | 95,7                                                                                   | 20 900                                                                                  | 49,7                                                                                   | 96,5                                                                                   | 20 400                                                                                  | 52,0                                                                                   | 98,3                                                                                    | 18 900                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 46,9                                                                                   | 93,8                                                                                   | 19 800                                                                                  | 47,9                                                                                   | 94,7                                                                                   | 19 300                                                                                  | 50,3                                                                                   | 96,6                                                                                    | 17 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 45,0                                                                                   | 91,9                                                                                   | 18 800                                                                                  | 46,0                                                                                   | 92,8                                                                                   | 18 200                                                                                  | 48,5                                                                                   | 94,9                                                                                    | 16 900                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 43,0                                                                                   | 89,7                                                                                   | 17 800                                                                                  | 44,1                                                                                   | 90,8                                                                                   | 17 300                                                                                  | 46,6                                                                                   | 93,0                                                                                    | 16 000                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 40,9                                                                                   | 87,5                                                                                   | 16 900                                                                                  | 42,0                                                                                   | 88,6                                                                                   | 16 400                                                                                  | 44,7                                                                                   | 91,0                                                                                    | 15 100                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 38,8                                                                                   | 85,0                                                                                   | 16 000                                                                                  | 39,9                                                                                   | 86,2                                                                                   | 15 500                                                                                  | 42,7                                                                                   | 88,9                                                                                    | 14 300                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 36,5                                                                                   | 82,4                                                                                   | 15 200                                                                                  | 37,7                                                                                   | 83,7                                                                                   | 14 700                                                                                  | 40,6                                                                                   | 86,6                                                                                    | 13 500                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 34,1                                                                                   | 79,5                                                                                   | 14 400                                                                                  | 35,4                                                                                   | 81,0                                                                                   | 13 900                                                                                  | 38,4                                                                                   | 84,1                                                                                    | 12 800                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 31,6                                                                                   | 76,4                                                                                   | 13 600                                                                                  | 33,0                                                                                   | 78,0                                                                                   | 13 200                                                                                  | 36,2                                                                                   | 81,4                                                                                    | 12 100                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 25,8                                                                                   | 68,9                                                                                   | 12 300                                                                                  | 27,4                                                                                   | 70,9                                                                                   | 11 900                                                                                  | 31,2                                                                                   | 75,3                                                                                    | 10 800                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   | 18,4                                                                                   | 58,7                                                                                   | 10 600 *                                                                                | 20,6                                                                                   | 61,7                                                                                   | 10 600                                                                                  | 25,3                                                                                   | 67,7                                                                                    | 9 700                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 9,8                                                                                    | 46,4                                                                                   | 8 200 *                                                                                 | 17,6                                                                                   | 57,2                                                                                    | 8 600                                                                                     | 88,0                                                                                     |



150 590 kg  
+  
54 430 kg



30,0 m

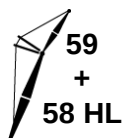


84,0 m

| 75°  |      |       |        |
|------|------|-------|--------|
|      |      |       |        |
| 27,4 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 |      |       |        |
| 48,0 |      |       |        |
| 50,0 |      |       |        |
| 52,0 | 60,8 | 104,8 | 22 300 |
| 54,0 | 59,2 | 103,6 | 21 000 |
| 56,0 | 57,6 | 102,3 | 19 700 |
| 58,0 | 55,9 | 101,0 | 18 600 |
| 60,0 | 54,3 | 99,6  | 17 500 |
| 62,0 | 52,5 | 98,1  | 16 500 |
| 64,0 | 50,8 | 96,4  | 15 600 |
| 66,0 | 49,0 | 94,7  | 14 700 |
| 68,0 | 47,1 | 92,9  | 13 800 |
| 70,0 | 45,2 | 90,9  | 13 100 |
| 72,0 | 43,3 | 88,8  | 12 300 |
| 74,0 | 41,2 | 86,6  | 11 600 |
| 76,0 | 39,1 | 84,2  | 11 000 |
| 80,0 | 34,5 | 78,7  | 9 800  |
| 84,0 | 29,2 | 72,2  | 8 700  |
| 88,0 | 22,9 | 63,7  | 7 700  |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



36,0 m

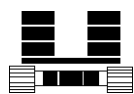
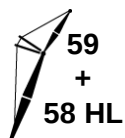


24,0 m

|      | 87°  |      |            | 85°  |      |            | 80°  |      |          |      |
|------|------|------|------------|------|------|------------|------|------|----------|------|
|      |      |      |            |      |      |            |      |      |          |      |
|      | m    | o    | m          | kg   | o    | m          | kg   | o    | m        | kg   |
| 11,6 | 74,3 | 61,9 | 179 600 *d |      |      |            |      |      |          | 11,6 |
| 12,0 | 73,3 | 61,8 | 175 000 *c |      |      |            |      |      |          | 12,0 |
| 14,0 | 68,2 | 61,0 | 153 400 *b | 71,4 | 61,4 | 157 400 *c |      |      |          | 14,0 |
| 16,0 | 62,8 | 60,0 | 135 300 *b | 66,2 | 60,6 | 138 000 b  |      |      |          | 16,0 |
| 18,0 | 57,2 | 58,8 | 120 000 *  | 60,8 | 59,5 | 118 700 b  |      |      |          | 18,0 |
| 20,0 | 51,2 | 57,2 | 105 000    | 55,1 | 58,1 | 103 100    | 64,0 | 59,6 | 98 400 b | 20,0 |
| 22,0 | 44,5 | 55,3 | 92 700     | 48,8 | 56,5 | 91 000     | 58,4 | 58,5 | 86 800 b | 22,0 |
| 24,0 | 36,9 | 52,8 | 82 900     | 41,9 | 54,3 | 81 400     | 52,5 | 57,0 | 77 600   | 24,0 |
| 26,0 | 27,5 | 49,4 | 74 600     | 33,8 | 51,6 | 73 400     | 46,0 | 55,1 | 70 000   | 26,0 |
| 28,0 |      |      |            | 23,1 | 47,6 | 66 300     | 38,6 | 52,8 | 63 600   | 28,0 |
| 30,0 |      |      |            |      |      |            | 29,6 | 49,6 | 58 200   | 30,0 |
| 32,0 |      |      |            |      |      |            | 16,4 | 44,4 | 53 400   | 32,0 |
| 34,0 |      |      |            |      |      |            |      |      |          | 34,0 |
| 36,0 |      |      |            |      |      |            |      |      |          | 36,0 |
| 38,0 |      |      |            |      |      |            |      |      |          | 38,0 |
| 40,0 |      |      |            |      |      |            |      |      |          | 40,0 |

# 16000 S-3

ANSI B30.5



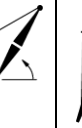
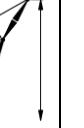
150 590 kg  
+  
54 430 kg

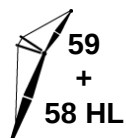


36,0 m



24,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 11,6                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 11,6                                                                                     |
| 12,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 12,0                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 55,7                                                                                   | 57,0                                                                                   | 66 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 49,6                                                                                   | 55,4                                                                                   | 60 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 42,7                                                                                   | 53,4                                                                                   | 55 400                                                                                  | 52,8                                                                                   | 55,2                                                                                   | 52 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 34,8                                                                                   | 50,7                                                                                   | 50 900                                                                                  | 46,3                                                                                   | 53,4                                                                                   | 48 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 24,5                                                                                   | 46,9                                                                                   | 47 000                                                                                  | 39,0                                                                                   | 51,1                                                                                   | 44 700                                                                                  | 49,3                                                                                   | 53,0                                                                                    | 42 300                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 30,1                                                                                   | 48,0                                                                                   | 41 400                                                                                  | 42,4                                                                                   | 51,0                                                                                    | 39 200                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 17,3                                                                                   | 43,0                                                                                   | 38 400                                                                                  | 34,4                                                                                   | 48,2                                                                                    | 36 500                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,0                                                                                   | 44,4                                                                                    | 34 000                                                                                    | 40,0                                                                                     |



150 590 kg  
+  
54 430 kg



36,0 m

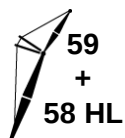


30,0 m

|                                                                                     |  87° |                                                                                     |                                                                                      |                                                                                     |  85° |                                                                                      |                                                                                       |  80° |                                                                                        |                                                                                       |  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|  m |  o   |  m |  kg |  o |  m   |  kg |  o |  m   |  kg |  m |  |
| 13,7                                                                                | 73,3                                                                                  | 67,5                                                                                | 149 800 *b                                                                           |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 13,7                                                                                  |  |
| 14,0                                                                                | 72,7                                                                                  | 67,4                                                                                | 147 500 *b                                                                           |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 14,0                                                                                  |  |
| 16,0                                                                                | 68,6                                                                                  | 66,7                                                                                | 131 800 *b                                                                           | 71,2                                                                                | 67,1                                                                                  | 134 500 *b                                                                           |                                                                                       |                                                                                         |                                                                                        | 16,0                                                                                  |  |
| 18,0                                                                                | 64,4                                                                                  | 65,8                                                                                | 118 400 *                                                                            | 67,1                                                                                | 66,2                                                                                  | 118 400 b                                                                            |                                                                                       |                                                                                         |                                                                                        | 18,0                                                                                  |  |
| 20,0                                                                                | 60,1                                                                                  | 64,6                                                                                | 104 900                                                                              | 62,9                                                                                | 65,2                                                                                  | 102 800                                                                              |                                                                                       |                                                                                         |                                                                                        | 20,0                                                                                  |  |
| 22,0                                                                                | 55,5                                                                                  | 63,3                                                                                | 92 600                                                                               | 58,4                                                                                | 64,1                                                                                  | 90 900                                                                               | 65,3                                                                                  | 65,3                                                                                    | 86 600 b                                                                               | 22,0                                                                                  |  |
| 24,0                                                                                | 50,6                                                                                  | 61,7                                                                                | 82 800                                                                               | 53,7                                                                                | 62,6                                                                                  | 81 200                                                                               | 61,0                                                                                  | 64,3                                                                                    | 77 300                                                                                 | 24,0                                                                                  |  |
| 26,0                                                                                | 45,3                                                                                  | 59,8                                                                                | 74 700                                                                               | 48,7                                                                                | 60,9                                                                                  | 73 300                                                                               | 56,4                                                                                  | 63,0                                                                                    | 69 700                                                                                 | 26,0                                                                                  |  |
| 28,0                                                                                | 39,5                                                                                  | 57,5                                                                                | 67 900                                                                               | 43,3                                                                                | 58,9                                                                                  | 66 700                                                                               | 51,6                                                                                  | 61,5                                                                                    | 63 400                                                                                 | 28,0                                                                                  |  |
| 30,0                                                                                | 32,8                                                                                  | 54,6                                                                                | 62 200                                                                               | 37,1                                                                                | 56,4                                                                                  | 61 000                                                                               | 46,4                                                                                  | 59,6                                                                                    | 58 000                                                                                 | 30,0                                                                                  |  |
| 32,0                                                                                | 24,3                                                                                  | 50,7                                                                                | 57 200                                                                               | 29,9                                                                                | 53,2                                                                                  | 56 200                                                                               | 40,7                                                                                  | 57,4                                                                                    | 53 400                                                                                 | 32,0                                                                                  |  |
| 34,0                                                                                |                                                                                       |                                                                                     |                                                                                      | 20,4                                                                                | 48,6                                                                                  | 51 700                                                                               | 34,2                                                                                  | 54,6                                                                                    | 49 400                                                                                 | 34,0                                                                                  |  |
| 36,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      | 26,3                                                                                  | 51,0                                                                                    | 45 800                                                                                 | 36,0                                                                                  |  |
| 38,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      | 14,5                                                                                  | 45,1                                                                                    | 42 600                                                                                 | 38,0                                                                                  |  |
| 40,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 40,0                                                                                  |  |
| 42,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 42,0                                                                                  |  |
| 44,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 44,0                                                                                  |  |
| 46,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                     |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 46,0                                                                                  |  |

# 16000 S-3

ANSI B30.5



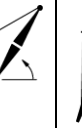
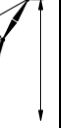
150 590 kg  
+  
54 430 kg

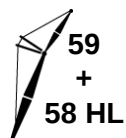


36,0 m



30,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 13,7                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 58,9                                                                                   | 62,9                                                                                   | 60 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 54,3                                                                                   | 61,5                                                                                   | 55 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 49,3                                                                                   | 59,9                                                                                   | 50 700                                                                                  | 56,6                                                                                   | 61,2                                                                                   | 47 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 43,9                                                                                   | 57,9                                                                                   | 46 800                                                                                  | 51,9                                                                                   | 59,7                                                                                   | 44 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 37,9                                                                                   | 55,5                                                                                   | 43 400                                                                                  | 46,7                                                                                   | 57,9                                                                                   | 41 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 30,9                                                                                   | 52,4                                                                                   | 40 500                                                                                  | 41,0                                                                                   | 55,7                                                                                   | 38 300                                                                                  | 49,1                                                                                   | 57,5                                                                                    | 36 100                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 21,7                                                                                   | 48,0                                                                                   | 37 700                                                                                  | 34,6                                                                                   | 53,0                                                                                   | 35 700                                                                                  | 43,7                                                                                   | 55,5                                                                                    | 33 700                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 26,7                                                                                   | 49,4                                                                                   | 33 400                                                                                  | 37,6                                                                                   | 53,0                                                                                    | 31 500                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 15,3                                                                                   | 43,8                                                                                   | 31 300                                                                                  | 30,5                                                                                   | 49,9                                                                                    | 29 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 21,3                                                                                   | 45,5                                                                                    | 27 800                                                                                    | 46,0                                                                                     |



150 590 kg  
+  
54 430 kg



36,0 m

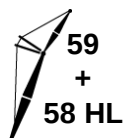


36,0 m

|      | 87°  |      |            | 85°  |      |         | 80°  |      |        |      |
|------|------|------|------------|------|------|---------|------|------|--------|------|
|      |      |      |            |      |      |         |      |      |        |      |
|      | m    | o    | m          | kg   | o    | m       | kg   | o    | m      | kg   |
| 15,2 | 73,6 | 73,3 | 131 400 *b |      |      |         |      |      |        | 15,2 |
| 16,0 | 72,4 | 73,1 | 126 600 *b |      |      |         |      |      |        | 16,0 |
| 18,0 | 69,0 | 72,3 | 114 800 *  |      |      |         |      |      |        | 18,0 |
| 20,0 | 65,5 | 71,5 | 104 400    | 67,7 | 71,9 | 102 400 |      |      |        | 20,0 |
| 22,0 | 61,9 | 70,4 | 92 300     | 64,2 | 71,0 | 90 400  |      |      |        | 22,0 |
| 24,0 | 58,2 | 69,2 | 82 400     | 60,5 | 69,9 | 80 800  |      |      |        | 24,0 |
| 26,0 | 54,3 | 67,8 | 74 400     | 56,8 | 68,6 | 72 900  | 62,6 | 70,0 | 69 100 | 26,0 |
| 28,0 | 50,2 | 66,2 | 67 600     | 52,8 | 67,1 | 66 300  | 58,9 | 68,8 | 62 900 | 28,0 |
| 30,0 | 45,8 | 64,3 | 61 900     | 48,6 | 65,4 | 60 700  | 55,1 | 67,5 | 57 500 | 30,0 |
| 32,0 | 41,1 | 62,1 | 57 000     | 44,1 | 63,4 | 55 800  | 51,0 | 65,9 | 52 900 | 32,0 |
| 34,0 | 35,8 | 59,5 | 52 700     | 39,2 | 61,1 | 51 600  | 46,7 | 64,1 | 48 900 | 34,0 |
| 36,0 | 29,7 | 56,2 | 48 900     | 33,7 | 58,2 | 47 900  | 42,1 | 62,0 | 45 400 | 36,0 |
| 38,0 | 22,1 | 51,8 | 45 600     | 27,2 | 54,6 | 44 600  | 36,9 | 59,4 | 42 300 | 38,0 |
| 40,0 |      |      |            | 18,5 | 49,6 | 41 500  | 31,1 | 56,3 | 39 500 | 40,0 |
| 42,0 |      |      |            |      |      |         | 23,8 | 52,2 | 37 000 | 42,0 |
| 44,0 |      |      |            |      |      |         | 13,0 | 45,8 | 34 600 | 44,0 |
| 46,0 |      |      |            |      |      |         |      |      |        | 46,0 |
| 48,0 |      |      |            |      |      |         |      |      |        | 48,0 |
| 50,0 |      |      |            |      |      |         |      |      |        | 50,0 |
| 52,0 |      |      |            |      |      |         |      |      |        | 52,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



36,0 m

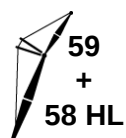


36,0 m

|      | 75°  |      |        | 70°  |      |        | 65°  |      |        |      |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      |      |      |        |      |      |        |      |      |        |      |
|      | m    | o    | m      | kg   | o    | m      | kg   | o    | m      | kg   |
| 15,2 |      |      |        |      |      |        |      |      |        | 15,2 |
| 16,0 |      |      |        |      |      |        |      |      |        | 16,0 |
| 18,0 |      |      |        |      |      |        |      |      |        | 18,0 |
| 20,0 |      |      |        |      |      |        |      |      |        | 20,0 |
| 22,0 |      |      |        |      |      |        |      |      |        | 22,0 |
| 24,0 |      |      |        |      |      |        |      |      |        | 24,0 |
| 26,0 |      |      |        |      |      |        |      |      |        | 26,0 |
| 28,0 |      |      |        |      |      |        |      |      |        | 28,0 |
| 30,0 | 61,0 | 68,7 | 54 400 |      |      |        |      |      |        | 30,0 |
| 32,0 | 57,2 | 67,5 | 50 000 |      |      |        |      |      |        | 32,0 |
| 34,0 | 53,3 | 66,0 | 46 200 |      |      |        |      |      |        | 34,0 |
| 36,0 | 49,1 | 64,3 | 42 900 | 55,3 | 65,8 | 40 500 |      |      |        | 36,0 |
| 38,0 | 44,7 | 62,4 | 40 000 | 51,2 | 64,2 | 37 600 |      |      |        | 38,0 |
| 40,0 | 39,8 | 60,1 | 37 300 | 47,0 | 62,4 | 35 200 |      |      |        | 40,0 |
| 42,0 | 34,4 | 57,3 | 34 900 | 42,3 | 60,3 | 32 900 | 48,9 | 62,0 | 30 900 | 42,0 |
| 44,0 | 28,0 | 53,8 | 32 800 | 37,2 | 57,8 | 30 900 | 44,5 | 60,0 | 29 000 | 44,0 |
| 46,0 | 19,7 | 49,0 | 30 800 | 31,4 | 54,7 | 29 000 | 39,6 | 57,7 | 27 200 | 46,0 |
| 48,0 |      |      |        | 24,2 | 50,7 | 27 300 | 34,1 | 54,9 | 25 600 | 48,0 |
| 50,0 |      |      |        | 13,8 | 44,4 | 25 700 | 27,7 | 51,4 | 24 100 | 50,0 |
| 52,0 |      |      |        |      |      |        | 19,3 | 46,5 | 22 800 | 52,0 |

# 16000 S-3

ANSI B30.5



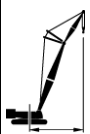
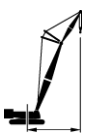
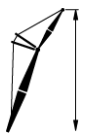
150 590 kg  
+  
54 430 kg



36,0 m

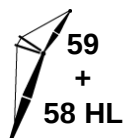


42,0 m

| <br>m | <br>87° |                                                                                        |                                                                                         | <br>85° |                                                                                        |                                                                                         | <br>80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg |                                                                                          |
| 16,8                                                                                   | 73,9                                                                                     | 79,2                                                                                   | 115 800 *b                                                                              |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   | 72,1                                                                                     | 78,8                                                                                   | 109 900 *                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   | 69,2                                                                                     | 78,0                                                                                   | 100 900 *                                                                               | 71,0                                                                                     | 78,4                                                                                   | 101 800                                                                                 |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 66,2                                                                                     | 77,2                                                                                   | 92 200                                                                                  | 68,1                                                                                     | 77,6                                                                                   | 90 000                                                                                  |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 63,2                                                                                     | 76,2                                                                                   | 82 100                                                                                  | 65,1                                                                                     | 76,7                                                                                   | 80 400                                                                                  |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 60,0                                                                                     | 75,0                                                                                   | 74 000                                                                                  | 62,0                                                                                     | 75,6                                                                                   | 72 500                                                                                  | 66,8                                                                                       | 76,7                                                                                     | 68 700                                                                                    | 26,0                                                                                     |
| 28,0                                                                                   | 56,8                                                                                     | 73,7                                                                                   | 67 300                                                                                  | 58,9                                                                                     | 74,5                                                                                   | 65 900                                                                                  | 63,8                                                                                       | 75,8                                                                                     | 62 400                                                                                    | 28,0                                                                                     |
| 30,0                                                                                   | 53,4                                                                                     | 72,3                                                                                   | 61 600                                                                                  | 55,6                                                                                     | 73,1                                                                                   | 60 300                                                                                  | 60,7                                                                                       | 74,7                                                                                     | 57 000                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   | 49,9                                                                                     | 70,7                                                                                   | 56 700                                                                                  | 52,2                                                                                     | 71,6                                                                                   | 55 500                                                                                  | 57,5                                                                                       | 73,4                                                                                     | 52 500                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 46,2                                                                                     | 68,8                                                                                   | 52 400                                                                                  | 48,6                                                                                     | 69,9                                                                                   | 51 300                                                                                  | 54,1                                                                                       | 72,0                                                                                     | 48 500                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 42,2                                                                                     | 66,7                                                                                   | 48 700                                                                                  | 44,7                                                                                     | 67,9                                                                                   | 47 600                                                                                  | 50,6                                                                                       | 70,4                                                                                     | 45 000                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 37,8                                                                                     | 64,2                                                                                   | 45 300                                                                                  | 40,6                                                                                     | 65,7                                                                                   | 44 400                                                                                  | 47,0                                                                                       | 68,6                                                                                     | 41 900                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 33,0                                                                                     | 61,2                                                                                   | 42 400                                                                                  | 36,1                                                                                     | 63,0                                                                                   | 41 500                                                                                  | 43,0                                                                                       | 66,5                                                                                     | 39 100                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 27,4                                                                                     | 57,7                                                                                   | 39 700                                                                                  | 31,0                                                                                     | 59,9                                                                                   | 38 800                                                                                  | 38,8                                                                                       | 64,1                                                                                     | 36 700                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 20,3                                                                                     | 52,9                                                                                   | 37 200                                                                                  | 25,0                                                                                     | 56,0                                                                                   | 36 500                                                                                  | 34,0                                                                                       | 61,3                                                                                     | 34 500                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 17,0                                                                                     | 50,5                                                                                   | 34 100                                                                                  | 28,6                                                                                       | 57,8                                                                                     | 32 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 22,0                                                                                       | 53,4                                                                                     | 30 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 12,0                                                                                       | 46,4                                                                                     | 28 700                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 58,0                                                                                     |

# 16000 S-3

ANSI B30.5



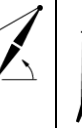
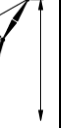
150 590 kg  
+  
54 430 kg



36,0 m

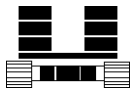
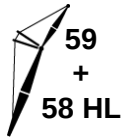


42,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 16,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 62,4                                                                                   | 74,5                                                                                   | 49 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 59,2                                                                                   | 73,3                                                                                   | 45 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 56,0                                                                                   | 72,0                                                                                   | 42 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 52,6                                                                                   | 70,5                                                                                   | 39 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 49,0                                                                                   | 68,8                                                                                   | 36 900                                                                                  | 54,3                                                                                   | 70,3                                                                                   | 34 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 45,2                                                                                   | 66,9                                                                                   | 34 500                                                                                  | 50,8                                                                                   | 68,7                                                                                   | 32 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 41,1                                                                                   | 64,7                                                                                   | 32 400                                                                                  | 47,1                                                                                   | 66,9                                                                                   | 30 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 36,7                                                                                   | 62,1                                                                                   | 30 500                                                                                  | 43,2                                                                                   | 64,8                                                                                   | 28 600                                                                                  | 48,8                                                                                   | 66,4                                                                                    | 26 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 31,7                                                                                   | 59,0                                                                                   | 28 700                                                                                  | 39,0                                                                                   | 62,4                                                                                   | 26 900                                                                                  | 45,0                                                                                   | 64,5                                                                                    | 25 100                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 25,8                                                                                   | 55,2                                                                                   | 27 100                                                                                  | 34,3                                                                                   | 59,6                                                                                   | 25 400                                                                                  | 40,9                                                                                   | 62,3                                                                                    | 23 700                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 18,1                                                                                   | 50,0                                                                                   | 25 600                                                                                  | 28,9                                                                                   | 56,2                                                                                   | 24 000                                                                                  | 36,5                                                                                   | 59,7                                                                                    | 22 400                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 22,3                                                                                   | 51,8                                                                                   | 22 700                                                                                  | 31,5                                                                                   | 56,6                                                                                    | 21 100                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 12,7                                                                                   | 45,1                                                                                   | 21 400                                                                                  | 25,5                                                                                   | 52,7                                                                                    | 20 000                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 17,8                                                                                   | 47,4                                                                                    | 18 900                                                                                    | 58,0                                                                                     |

# 16000 S-3

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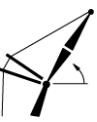
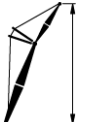
150 590 kg  
+  
54 430 kg



36,0 m

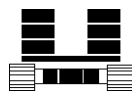
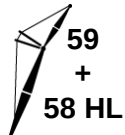


48,0 m

|  |  87° |                                                                                   |                                                                                   |      |  85° |                                                                                   |                                                                                   |  80° |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |      |  |  |      |      |  |  |      |  |  |                                                                                     |
| m                                                                                 | o                                                                                     | m                                                                                 | kg                                                                                | o    | m                                                                                     | kg                                                                                | o                                                                                 | m                                                                                       | kg                                                                                  | m                                                                                   |                                                                                     |
| 18,3                                                                              | 74,1                                                                                  | 85,0                                                                              | 103 100 *                                                                         |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 18,3                                                                                |                                                                                     |
| 20,0                                                                              | 71,9                                                                                  | 84,4                                                                              | 96 500 *                                                                          |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 20,0                                                                                |                                                                                     |
| 22,0                                                                              | 69,4                                                                                  | 83,7                                                                              | 89 400 *                                                                          | 71,0 | 84,0                                                                                  | 89 300                                                                            |                                                                                   |                                                                                         |                                                                                     | 22,0                                                                                |                                                                                     |
| 24,0                                                                              | 66,8                                                                                  | 82,8                                                                              | 81 700                                                                            | 68,4 | 83,3                                                                                  | 79 900                                                                            |                                                                                   |                                                                                         |                                                                                     | 24,0                                                                                |                                                                                     |
| 26,0                                                                              | 64,1                                                                                  | 81,9                                                                              | 73 500                                                                            | 65,8 | 82,4                                                                                  | 72 000                                                                            |                                                                                   |                                                                                         |                                                                                     | 26,0                                                                                |                                                                                     |
| 28,0                                                                              | 61,4                                                                                  | 80,8                                                                              | 66 800                                                                            | 63,1 | 81,4                                                                                  | 65 400                                                                            |                                                                                   |                                                                                         |                                                                                     | 28,0                                                                                |                                                                                     |
| 30,0                                                                              | 58,6                                                                                  | 79,6                                                                              | 61 100                                                                            | 60,4 | 80,3                                                                                  | 59 800                                                                            | 64,7                                                                              | 81,5                                                                                    | 56 500                                                                              | 30,0                                                                                |                                                                                     |
| 32,0                                                                              | 55,8                                                                                  | 78,3                                                                              | 56 200                                                                            | 57,6 | 79,0                                                                                  | 55 000                                                                            | 62,0                                                                              | 80,4                                                                                    | 51 800                                                                              | 32,0                                                                                |                                                                                     |
| 34,0                                                                              | 52,8                                                                                  | 76,8                                                                              | 51 900                                                                            | 54,7 | 77,6                                                                                  | 50 800                                                                            | 59,2                                                                              | 79,2                                                                                    | 47 900                                                                              | 34,0                                                                                |                                                                                     |
| 36,0                                                                              | 49,7                                                                                  | 75,1                                                                              | 48 200                                                                            | 51,7 | 76,1                                                                                  | 47 100                                                                            | 56,4                                                                              | 77,9                                                                                    | 44 400                                                                              | 36,0                                                                                |                                                                                     |
| 38,0                                                                              | 46,4                                                                                  | 73,3                                                                              | 44 900                                                                            | 48,5 | 74,3                                                                                  | 43 900                                                                            | 53,4                                                                              | 76,5                                                                                    | 41 300                                                                              | 38,0                                                                                |                                                                                     |
| 40,0                                                                              | 43,0                                                                                  | 71,2                                                                              | 42 000                                                                            | 45,2 | 72,4                                                                                  | 41 000                                                                            | 50,3                                                                              | 74,9                                                                                    | 38 600                                                                              | 40,0                                                                                |                                                                                     |
| 42,0                                                                              | 39,3                                                                                  | 68,8                                                                              | 39 300                                                                            | 41,6 | 70,2                                                                                  | 38 400                                                                            | 47,1                                                                              | 73,1                                                                                    | 36 100                                                                              | 42,0                                                                                |                                                                                     |
| 44,0                                                                              | 35,2                                                                                  | 66,1                                                                              | 36 900                                                                            | 37,8 | 67,7                                                                                  | 36 100                                                                            | 43,7                                                                              | 71,0                                                                                    | 33 900                                                                              | 44,0                                                                                |                                                                                     |
| 46,0                                                                              | 30,7                                                                                  | 62,9                                                                              | 34 700                                                                            | 33,7 | 64,9                                                                                  | 33 900                                                                            | 40,1                                                                              | 68,7                                                                                    | 31 900                                                                              | 46,0                                                                                |                                                                                     |
| 48,0                                                                              | 25,5                                                                                  | 59,0                                                                              | 32 700                                                                            | 28,9 | 61,4                                                                                  | 32 000                                                                            | 36,1                                                                              | 66,1                                                                                    | 30 100                                                                              | 48,0                                                                                |                                                                                     |
| 50,0                                                                              | 18,9                                                                                  | 53,9                                                                              | 30 700                                                                            | 23,3 | 57,2                                                                                  | 30 200                                                                            | 31,7                                                                              | 63,0                                                                                    | 28 400                                                                              | 50,0                                                                                |                                                                                     |
| 52,0                                                                              |                                                                                       |                                                                                   |                                                                                   | 15,8 | 51,3                                                                                  | 28 400                                                                            | 26,7                                                                              | 59,3                                                                                    | 26 800                                                                              | 52,0                                                                                |                                                                                     |
| 54,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   | 20,5                                                                              | 54,5                                                                                    | 25 300                                                                              | 54,0                                                                                |                                                                                     |
| 56,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   | 11,1                                                                              | 46,9                                                                                    | 24 000                                                                              | 56,0                                                                                |                                                                                     |
| 58,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 58,0                                                                                |                                                                                     |
| 60,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 60,0                                                                                |                                                                                     |
| 62,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 62,0                                                                                |                                                                                     |
| 64,0                                                                              |                                                                                       |                                                                                   |                                                                                   |      |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 64,0                                                                                |                                                                                     |

# 16000 S-3

ANSI B30.5



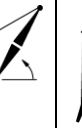
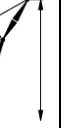
150 590 kg  
+  
54 430 kg



36,0 m

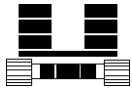
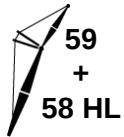


48,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 60,7                                                                                   | 79,1                                                                                   | 41 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 57,9                                                                                   | 77,9                                                                                   | 38 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 55,0                                                                                   | 76,5                                                                                   | 36 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 52,0                                                                                   | 75,0                                                                                   | 33 900                                                                                  | 56,5                                                                                   | 76,2                                                                                   | 31 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 48,9                                                                                   | 73,3                                                                                   | 31 800                                                                                  | 53,6                                                                                   | 74,8                                                                                   | 29 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 45,6                                                                                   | 71,4                                                                                   | 29 900                                                                                  | 50,5                                                                                   | 73,2                                                                                   | 27 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 42,1                                                                                   | 69,2                                                                                   | 28 200                                                                                  | 47,3                                                                                   | 71,3                                                                                   | 26 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 38,3                                                                                   | 66,8                                                                                   | 26 600                                                                                  | 43,9                                                                                   | 69,3                                                                                   | 24 700                                                                                  | 48,7                                                                                   | 70,9                                                                                    | 23 000                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 34,2                                                                                   | 64,0                                                                                   | 25 100                                                                                  | 40,2                                                                                   | 67,0                                                                                   | 23 400                                                                                  | 45,4                                                                                   | 69,0                                                                                    | 21 700                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 29,5                                                                                   | 60,6                                                                                   | 23 700                                                                                  | 36,3                                                                                   | 64,4                                                                                   | 22 100                                                                                  | 41,9                                                                                   | 66,8                                                                                    | 20 500                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 24,0                                                                                   | 56,5                                                                                   | 22 500                                                                                  | 31,9                                                                                   | 61,3                                                                                   | 20 900                                                                                  | 38,1                                                                                   | 64,3                                                                                    | 19 400                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 16,9                                                                                   | 50,8                                                                                   | 21 300                                                                                  | 26,9                                                                                   | 57,7                                                                                   | 19 800                                                                                  | 34,0                                                                                   | 61,5                                                                                    | 18 300                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 20,8                                                                                   | 52,9                                                                                   | 18 700                                                                                  | 29,3                                                                                   | 58,1                                                                                    | 17 300                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 11,8                                                                                   | 45,6                                                                                   | 17 700                                                                                  | 23,8                                                                                   | 54,0                                                                                    | 16 400                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 16,5                                                                                   | 48,2                                                                                    | 15 500                                                                                    | 64,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



36,0 m

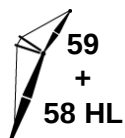


54,0 m

|      | 87°  |      |          | 85°  |      |        | 80°  |      |        |      |
|------|------|------|----------|------|------|--------|------|------|--------|------|
|      |      |      |          |      |      |        |      |      |        |      |
| m    | o    | m    | kg       | o    | m    | kg     | o    | m    | kg     | m    |
| 19,8 | 74,2 | 90,8 | 91 800 * |      |      |        |      |      |        | 19,8 |
| 20,0 | 74,0 | 90,7 | 91 200 * |      |      |        |      |      |        | 20,0 |
| 22,0 | 71,8 | 90,1 | 85 200 * |      |      |        |      |      |        | 22,0 |
| 24,0 | 69,5 | 89,3 | 79 500 * | 70,9 | 89,7 | 79 100 |      |      |        | 24,0 |
| 26,0 | 67,2 | 88,5 | 73 100   | 68,7 | 88,9 | 71 500 |      |      |        | 26,0 |
| 28,0 | 64,9 | 87,6 | 66 400   | 66,3 | 88,1 | 64 900 |      |      |        | 28,0 |
| 30,0 | 62,5 | 86,6 | 60 700   | 64,0 | 87,1 | 59 300 |      |      |        | 30,0 |
| 32,0 | 60,0 | 85,4 | 55 800   | 61,6 | 86,0 | 54 500 | 65,3 | 87,2 | 51 400 | 32,0 |
| 34,0 | 57,5 | 84,2 | 51 500   | 59,1 | 84,8 | 50 300 | 63,0 | 86,2 | 47 400 | 34,0 |
| 36,0 | 55,0 | 82,8 | 47 800   | 56,6 | 83,6 | 46 700 | 60,5 | 85,1 | 43 900 | 36,0 |
| 38,0 | 52,3 | 81,3 | 44 500   | 54,0 | 82,1 | 43 400 | 58,0 | 83,8 | 40 800 | 38,0 |
| 40,0 | 49,5 | 79,6 | 41 500   | 51,3 | 80,6 | 40 600 | 55,5 | 82,5 | 38 100 | 40,0 |
| 42,0 | 46,6 | 77,7 | 38 900   | 48,5 | 78,8 | 38 000 | 52,8 | 81,0 | 35 600 | 42,0 |
| 44,0 | 43,6 | 75,7 | 36 500   | 45,5 | 76,9 | 35 600 | 50,1 | 79,3 | 33 400 | 44,0 |
| 46,0 | 40,4 | 73,4 | 34 400   | 42,4 | 74,8 | 33 500 | 47,2 | 77,5 | 31 400 | 46,0 |
| 48,0 | 36,9 | 70,8 | 32 400   | 39,1 | 72,4 | 31 600 | 44,2 | 75,5 | 29 600 | 48,0 |
| 50,0 | 33,1 | 67,9 | 30 600   | 35,6 | 69,7 | 29 800 | 41,0 | 73,3 | 27 900 | 50,0 |
| 52,0 | 28,9 | 64,4 | 28 900   | 31,6 | 66,6 | 28 200 | 37,6 | 70,8 | 26 400 | 52,0 |
| 54,0 | 24,0 | 60,3 | 27 400   | 27,2 | 62,9 | 26 700 | 33,9 | 67,9 | 25 000 | 54,0 |
| 56,0 | 17,8 | 54,8 | 25 500   | 21,9 | 58,3 | 25 300 | 29,8 | 64,6 | 23 700 | 56,0 |
| 58,0 |      |      |          | 14,9 | 52,0 | 23 900 | 25,1 | 60,6 | 22 400 | 58,0 |
| 60,0 |      |      |          |      |      |        | 19,2 | 55,5 | 21 300 | 60,0 |
| 62,0 |      |      |          |      |      |        | 10,5 | 47,4 | 20 100 | 62,0 |
| 64,0 |      |      |          |      |      |        |      |      |        | 64,0 |
| 66,0 |      |      |          |      |      |        |      |      |        | 66,0 |
| 68,0 |      |      |          |      |      |        |      |      |        | 68,0 |
| 70,0 |      |      |          |      |      |        |      |      |        | 70,0 |

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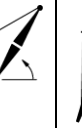
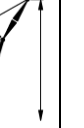
150 590 kg  
+  
54 430 kg



36,0 m

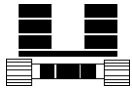
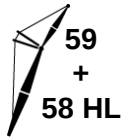


54,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 19,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 19,8                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 59,4                                                                                   | 83,7                                                                                   | 35 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 56,9                                                                                   | 82,4                                                                                   | 33 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 54,3                                                                                   | 81,0                                                                                   | 31 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 51,6                                                                                   | 79,5                                                                                   | 29 400                                                                                  | 55,6                                                                                   | 80,7                                                                                   | 27 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 48,8                                                                                   | 77,8                                                                                   | 27 700                                                                                  | 53,0                                                                                   | 79,3                                                                                   | 25 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 45,9                                                                                   | 75,9                                                                                   | 26 100                                                                                  | 50,2                                                                                   | 77,6                                                                                   | 24 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 42,8                                                                                   | 73,8                                                                                   | 24 600                                                                                  | 47,4                                                                                   | 75,8                                                                                   | 22 800                                                                                  | 51,5                                                                                   | 77,1                                                                                    | 21 100                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 39,5                                                                                   | 71,4                                                                                   | 23 200                                                                                  | 44,4                                                                                   | 73,8                                                                                   | 21 600                                                                                  | 48,7                                                                                   | 75,4                                                                                    | 19 900                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 36,0                                                                                   | 68,7                                                                                   | 22 000                                                                                  | 41,2                                                                                   | 71,6                                                                                   | 20 400                                                                                  | 45,8                                                                                   | 73,5                                                                                    | 18 800                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 32,1                                                                                   | 65,7                                                                                   | 20 900                                                                                  | 37,8                                                                                   | 69,1                                                                                   | 19 300                                                                                  | 42,7                                                                                   | 71,3                                                                                    | 17 800                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 27,7                                                                                   | 62,1                                                                                   | 19 800                                                                                  | 34,1                                                                                   | 66,2                                                                                   | 18 300                                                                                  | 39,4                                                                                   | 69,0                                                                                    | 16 800                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 22,6                                                                                   | 57,7                                                                                   | 18 700                                                                                  | 30,0                                                                                   | 63,0                                                                                   | 17 300                                                                                  | 35,8                                                                                   | 66,3                                                                                    | 15 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 15,9                                                                                   | 51,7                                                                                   | 17 800                                                                                  | 25,3                                                                                   | 59,0                                                                                   | 16 400                                                                                  | 31,9                                                                                   | 63,2                                                                                    | 15 100                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 19,6                                                                                   | 54,0                                                                                   | 15 500                                                                                  | 27,6                                                                                   | 59,6                                                                                    | 14 300                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 11,1                                                                                   | 46,2                                                                                   | 14 700                                                                                  | 22,4                                                                                   | 55,1                                                                                    | 13 500                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 15,5                                                                                   | 49,0                                                                                    | 12 800                                                                                    | 70,0                                                                                     |

# 16000 S-3

ANSI B30.5



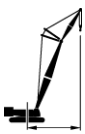
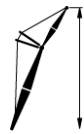
150 590 kg  
+  
54 430 kg



36,0 m

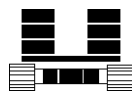
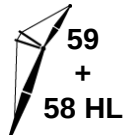


60,0 m

|      |  87° |                                                                                   |                                                                                   |  85° |                                                                                   |                                                                                   |  80° |                                                                                     |                                                                                     |  |      |
|------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      |      |  |  |      |  |  |       |  |  |                                                                                     |      |
|      | m                                                                                     | o                                                                                 | m                                                                                 | kg                                                                                    | o                                                                                 | m                                                                                 | kg                                                                                      | o                                                                                   | m                                                                                   | kg                                                                                  | m    |
| 21,3 | 74,3                                                                                  | 96,6                                                                              | 81 300 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 21,3 |
| 22,0 | 73,6                                                                                  | 96,4                                                                              | 80 100 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 22,0 |
| 24,0 | 71,6                                                                                  | 95,7                                                                              | 75 900 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 24,0 |
| 26,0 | 69,6                                                                                  | 95,0                                                                              | 71 200                                                                            | 70,9                                                                                  | 95,3                                                                              | 71 000                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 26,0 |
| 28,0 | 67,5                                                                                  | 94,2                                                                              | 66 000                                                                            | 68,8                                                                                  | 94,6                                                                              | 64 300                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 28,0 |
| 30,0 | 65,4                                                                                  | 93,3                                                                              | 60 100                                                                            | 66,8                                                                                  | 93,7                                                                              | 58 700                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 30,0 |
| 32,0 | 63,3                                                                                  | 92,3                                                                              | 55 300                                                                            | 64,7                                                                                  | 92,8                                                                              | 53 900                                                                            | 68,0                                                                                    | 93,7                                                                                | 50 700                                                                              |                                                                                     | 32,0 |
| 34,0 | 61,1                                                                                  | 91,2                                                                              | 51 000                                                                            | 62,5                                                                                  | 91,8                                                                              | 49 800                                                                            | 65,9                                                                                    | 92,8                                                                                | 46 700                                                                              |                                                                                     | 34,0 |
| 36,0 | 58,9                                                                                  | 90,0                                                                              | 47 300                                                                            | 60,3                                                                                  | 90,7                                                                              | 46 100                                                                            | 63,7                                                                                    | 91,9                                                                                | 43 300                                                                              |                                                                                     | 36,0 |
| 38,0 | 56,6                                                                                  | 88,7                                                                              | 44 000                                                                            | 58,1                                                                                  | 89,4                                                                              | 42 900                                                                            | 61,6                                                                                    | 90,8                                                                                | 40 200                                                                              |                                                                                     | 38,0 |
| 40,0 | 54,3                                                                                  | 87,3                                                                              | 41 000                                                                            | 55,8                                                                                  | 88,1                                                                              | 40 000                                                                            | 59,4                                                                                    | 89,7                                                                                | 37 500                                                                              |                                                                                     | 40,0 |
| 42,0 | 51,9                                                                                  | 85,7                                                                              | 38 400                                                                            | 53,4                                                                                  | 86,6                                                                              | 37 400                                                                            | 57,1                                                                                    | 88,4                                                                                | 35 100                                                                              |                                                                                     | 42,0 |
| 44,0 | 49,4                                                                                  | 84,1                                                                              | 36 000                                                                            | 51,0                                                                                  | 85,0                                                                              | 35 100                                                                            | 54,8                                                                                    | 87,0                                                                                | 32 900                                                                              |                                                                                     | 44,0 |
| 46,0 | 46,8                                                                                  | 82,2                                                                              | 33 900                                                                            | 48,4                                                                                  | 83,3                                                                              | 33 000                                                                            | 52,4                                                                                    | 85,5                                                                                | 30 800                                                                              |                                                                                     | 46,0 |
| 48,0 | 44,1                                                                                  | 80,2                                                                              | 31 900                                                                            | 45,8                                                                                  | 81,4                                                                              | 31 100                                                                            | 49,9                                                                                    | 83,8                                                                                | 29 000                                                                              |                                                                                     | 48,0 |
| 50,0 | 41,2                                                                                  | 78,0                                                                              | 30 100                                                                            | 43,0                                                                                  | 79,3                                                                              | 29 300                                                                            | 47,3                                                                                    | 82,0                                                                                | 27 400                                                                              |                                                                                     | 50,0 |
| 52,0 | 38,2                                                                                  | 75,5                                                                              | 28 500                                                                            | 40,1                                                                                  | 77,0                                                                              | 27 700                                                                            | 44,6                                                                                    | 80,0                                                                                | 25 900                                                                              |                                                                                     | 52,0 |
| 54,0 | 34,9                                                                                  | 72,7                                                                              | 26 900                                                                            | 37,0                                                                                  | 74,4                                                                              | 26 200                                                                            | 41,8                                                                                    | 77,8                                                                                | 24 400                                                                              |                                                                                     | 54,0 |
| 56,0 | 31,3                                                                                  | 69,6                                                                              | 25 500                                                                            | 33,6                                                                                  | 71,5                                                                              | 24 800                                                                            | 38,8                                                                                    | 75,4                                                                                | 23 100                                                                              |                                                                                     | 56,0 |
| 58,0 | 27,3                                                                                  | 65,9                                                                              | 24 200                                                                            | 29,9                                                                                  | 68,2                                                                              | 23 500                                                                            | 35,6                                                                                    | 72,7                                                                                | 21 900                                                                              |                                                                                     | 58,0 |
| 60,0 | 22,7                                                                                  | 61,5                                                                              | 23 000                                                                            | 25,7                                                                                  | 64,2                                                                              | 22 400                                                                            | 32,1                                                                                    | 69,6                                                                                | 20 800                                                                              |                                                                                     | 60,0 |
| 62,0 | 16,8                                                                                  | 55,7                                                                              | 21 200                                                                            | 20,7                                                                                  | 59,4                                                                              | 21 200                                                                            | 28,2                                                                                    | 66,1                                                                                | 19 700                                                                              |                                                                                     | 62,0 |
| 64,0 | 6,9                                                                                   | 45,5                                                                              | 18 200 *                                                                          | 14,1                                                                                  | 52,7                                                                              | 19 700                                                                            | 23,7                                                                                    | 61,8                                                                                | 18 700                                                                              |                                                                                     | 64,0 |
| 66,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 18,2                                                                                    | 56,4                                                                                | 17 700                                                                              |                                                                                     | 66,0 |
| 68,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 9,9                                                                                     | 47,9                                                                                | 16 800                                                                              |                                                                                     | 68,0 |
| 70,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 70,0 |
| 72,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 72,0 |
| 74,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 74,0 |
| 76,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 76,0 |

# 16000 S-3

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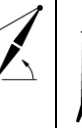
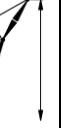
150 590 kg  
+  
54 430 kg



36,0 m

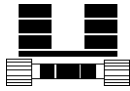
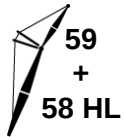


60,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 21,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 21,3                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 60,6                                                                                   | 89,5                                                                                   | 32 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 58,3                                                                                   | 88,3                                                                                   | 30 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 56,1                                                                                   | 87,0                                                                                   | 28 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 53,7                                                                                   | 85,5                                                                                   | 27 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 51,3                                                                                   | 84,0                                                                                   | 25 400                                                                                  | 54,9                                                                                   | 85,2                                                                                   | 23 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 48,7                                                                                   | 82,2                                                                                   | 24 000                                                                                  | 52,5                                                                                   | 83,7                                                                                   | 22 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 46,1                                                                                   | 80,3                                                                                   | 22 600                                                                                  | 50,0                                                                                   | 82,1                                                                                   | 20 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 43,4                                                                                   | 78,3                                                                                   | 21 400                                                                                  | 47,5                                                                                   | 80,3                                                                                   | 19 700                                                                                  | 51,2                                                                                   | 81,6                                                                                    | 18 100                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 40,5                                                                                   | 76,0                                                                                   | 20 300                                                                                  | 44,8                                                                                   | 78,3                                                                                   | 18 600                                                                                  | 48,6                                                                                   | 79,8                                                                                    | 17 100                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 37,4                                                                                   | 73,4                                                                                   | 19 200                                                                                  | 42,0                                                                                   | 76,1                                                                                   | 17 600                                                                                  | 46,0                                                                                   | 77,9                                                                                    | 16 100                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 34,0                                                                                   | 70,6                                                                                   | 18 200                                                                                  | 39,0                                                                                   | 73,7                                                                                   | 16 700                                                                                  | 43,3                                                                                   | 75,9                                                                                    | 15 300                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 30,4                                                                                   | 67,3                                                                                   | 17 200                                                                                  | 35,8                                                                                   | 71,0                                                                                   | 15 800                                                                                  | 40,3                                                                                   | 73,6                                                                                    | 14 400                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 26,3                                                                                   | 63,5                                                                                   | 16 400                                                                                  | 32,3                                                                                   | 68,0                                                                                   | 15 000                                                                                  | 37,2                                                                                   | 71,0                                                                                    | 13 600                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 21,4                                                                                   | 58,8                                                                                   | 15 500                                                                                  | 28,4                                                                                   | 64,5                                                                                   | 14 200                                                                                  | 33,9                                                                                   | 68,1                                                                                    | 12 900                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 15,0                                                                                   | 52,4                                                                                   | 14 700                                                                                  | 24,0                                                                                   | 60,3                                                                                   | 13 500                                                                                  | 30,2                                                                                   | 64,8                                                                                    | 12 200                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 18,5                                                                                   | 54,9                                                                                   | 12 700                                                                                  | 26,1                                                                                   | 61,0                                                                                    | 11 500                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 10,4                                                                                   | 46,7                                                                                   | 12 000                                                                                  | 21,2                                                                                   | 56,2                                                                                    | 10 900                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 14,7                                                                                   | 49,8                                                                                    | 10 300                                                                                    | 76,0                                                                                     |

# 16000 S-3

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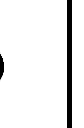
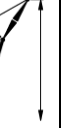
150 590 kg  
+  
54 430 kg



36,0 m

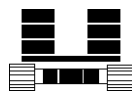
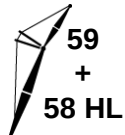


66,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 22,9                                                                                   | 74,4                                                                                   | 102,4                                                                                  | 67 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,9                                                                                     |
| 24,0                                                                                   | 73,4                                                                                   | 102,0                                                                                  | 67 400 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 71,5                                                                                   | 101,4                                                                                  | 66 600 *                                                                                | 72,7                                                                                   | 101,7                                                                                  | 65 900 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 69,7                                                                                   | 100,7                                                                                  | 64 200 *                                                                                | 70,9                                                                                   | 101,0                                                                                  | 64 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 67,8                                                                                   | 99,8                                                                                   | 59 800                                                                                  | 69,0                                                                                   | 100,2                                                                                  | 58 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 65,9                                                                                   | 99,0                                                                                   | 54 700                                                                                  | 67,1                                                                                   | 99,4                                                                                   | 53 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 64,0                                                                                   | 98,0                                                                                   | 50 400                                                                                  | 65,2                                                                                   | 98,5                                                                                   | 49 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 62,0                                                                                   | 96,9                                                                                   | 46 700                                                                                  | 63,3                                                                                   | 97,5                                                                                   | 45 500                                                                                  | 66,3                                                                                   | 98,5                                                                                    | 42 700                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 60,0                                                                                   | 95,8                                                                                   | 43 400                                                                                  | 61,3                                                                                   | 96,4                                                                                   | 42 300                                                                                  | 64,4                                                                                   | 97,6                                                                                    | 39 600                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 58,0                                                                                   | 94,6                                                                                   | 40 500                                                                                  | 59,3                                                                                   | 95,2                                                                                   | 39 400                                                                                  | 62,4                                                                                   | 96,6                                                                                    | 36 900                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 55,9                                                                                   | 93,2                                                                                   | 37 800                                                                                  | 57,2                                                                                   | 94,0                                                                                   | 36 900                                                                                  | 60,4                                                                                   | 95,4                                                                                    | 34 400                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 53,8                                                                                   | 91,8                                                                                   | 35 500                                                                                  | 55,1                                                                                   | 92,6                                                                                   | 34 500                                                                                  | 58,4                                                                                   | 94,2                                                                                    | 32 200                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 51,6                                                                                   | 90,2                                                                                   | 33 300                                                                                  | 53,0                                                                                   | 91,1                                                                                   | 32 500                                                                                  | 56,3                                                                                   | 92,9                                                                                    | 30 300                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 49,3                                                                                   | 88,5                                                                                   | 31 300                                                                                  | 50,7                                                                                   | 89,5                                                                                   | 30 500                                                                                  | 54,2                                                                                   | 91,5                                                                                    | 28 400                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 46,9                                                                                   | 86,7                                                                                   | 29 600                                                                                  | 48,4                                                                                   | 87,8                                                                                   | 28 800                                                                                  | 52,0                                                                                   | 89,9                                                                                    | 26 800                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 44,5                                                                                   | 84,7                                                                                   | 27 900                                                                                  | 46,0                                                                                   | 85,9                                                                                   | 27 200                                                                                  | 49,7                                                                                   | 88,3                                                                                    | 25 300                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 41,9                                                                                   | 82,5                                                                                   | 26 400                                                                                  | 43,5                                                                                   | 83,8                                                                                   | 25 700                                                                                  | 47,4                                                                                   | 86,5                                                                                    | 23 900                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 39,2                                                                                   | 80,1                                                                                   | 25 000                                                                                  | 40,9                                                                                   | 81,5                                                                                   | 24 300                                                                                  | 45,0                                                                                   | 84,5                                                                                    | 22 500                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 36,3                                                                                   | 77,5                                                                                   | 23 700                                                                                  | 38,1                                                                                   | 79,1                                                                                   | 23 000                                                                                  | 42,4                                                                                   | 82,4                                                                                    | 21 400                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 33,2                                                                                   | 74,5                                                                                   | 22 500                                                                                  | 35,2                                                                                   | 76,3                                                                                   | 21 900                                                                                  | 39,8                                                                                   | 80,0                                                                                    | 20 200                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 29,8                                                                                   | 71,2                                                                                   | 21 400                                                                                  | 32,0                                                                                   | 73,2                                                                                   | 20 700                                                                                  | 36,9                                                                                   | 77,4                                                                                    | 19 100                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 26,0                                                                                   | 67,3                                                                                   | 20 300                                                                                  | 28,5                                                                                   | 69,7                                                                                   | 19 700                                                                                  | 33,9                                                                                   | 74,5                                                                                    | 18 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 21,6                                                                                   | 62,6                                                                                   | 19 200                                                                                  | 24,5                                                                                   | 65,6                                                                                   | 18 700                                                                                  | 30,5                                                                                   | 71,3                                                                                    | 17 200                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 16,0                                                                                   | 56,5                                                                                   | 17 500 *                                                                                | 19,7                                                                                   | 60,5                                                                                   | 17 800                                                                                  | 26,8                                                                                   | 67,5                                                                                    | 16 400                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 6,6                                                                                    | 45,8                                                                                   | 14 900 *                                                                                | 13,4                                                                                   | 53,4                                                                                   | 16 200                                                                                  | 22,6                                                                                   | 63,0                                                                                    | 15 600                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 17,3                                                                                   | 57,3                                                                                    | 14 800                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 9,4                                                                                    | 48,4                                                                                    | 13 800                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 80,0                                                                                     |

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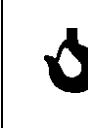
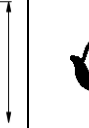
150 590 kg  
+  
54 430 kg



36,0 m

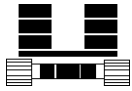
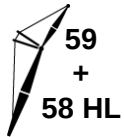


66,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                     |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 22,9                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 22,9                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 61,5                                                                                   | 95,3                                                                                   | 29 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 59,5                                                                                   | 94,1                                                                                   | 28 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 57,5                                                                                   | 92,9                                                                                   | 26 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 55,4                                                                                   | 91,5                                                                                   | 24 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 53,2                                                                                   | 90,0                                                                                   | 23 400                                                                                  | 56,4                                                                                   | 91,2                                                                                   | 21 500                                                                                  |                                                                                         |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 51,0                                                                                   | 88,4                                                                                   | 22 000                                                                                  | 54,3                                                                                   | 89,8                                                                                   | 20 200                                                                                  |                                                                                         |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 48,7                                                                                   | 86,7                                                                                   | 20 800                                                                                  | 52,1                                                                                   | 88,2                                                                                   | 19 100                                                                                  |                                                                                         |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 46,3                                                                                   | 84,8                                                                                   | 19 700                                                                                  | 49,9                                                                                   | 86,6                                                                                   | 18 000                                                                                  |                                                                                         |                                                                                          |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   | 43,8                                                                                   | 82,8                                                                                   | 18 600                                                                                  | 47,5                                                                                   | 84,8                                                                                   | 17 000                                                                                  | 50,9                                                                                    | 86,1                                                                                     | 15 500                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 41,2                                                                                   | 80,6                                                                                   | 17 600                                                                                  | 45,1                                                                                   | 82,8                                                                                   | 16 100                                                                                  | 48,6                                                                                    | 84,3                                                                                     | 14 600                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 38,5                                                                                   | 78,1                                                                                   | 16 700                                                                                  | 42,6                                                                                   | 80,7                                                                                   | 15 200                                                                                  | 46,2                                                                                    | 82,4                                                                                     | 13 700                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 35,5                                                                                   | 75,4                                                                                   | 15 800                                                                                  | 39,9                                                                                   | 78,3                                                                                   | 14 400                                                                                  | 43,7                                                                                    | 80,4                                                                                     | 13 000                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 32,4                                                                                   | 72,3                                                                                   | 15 000                                                                                  | 37,1                                                                                   | 75,8                                                                                   | 13 600                                                                                  | 41,1                                                                                    | 78,1                                                                                     | 12 300                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 28,9                                                                                   | 68,9                                                                                   | 14 200                                                                                  | 34,0                                                                                   | 72,9                                                                                   | 12 900                                                                                  | 38,4                                                                                    | 75,7                                                                                     | 11 600                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 25,0                                                                                   | 64,8                                                                                   | 13 500                                                                                  | 30,7                                                                                   | 69,6                                                                                   | 12 200                                                                                  | 35,4                                                                                    | 72,9                                                                                     | 10 900                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 20,3                                                                                   | 59,8                                                                                   | 12 800                                                                                  | 27,0                                                                                   | 65,9                                                                                   | 11 500                                                                                  | 32,2                                                                                    | 69,9                                                                                     | 10 300                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 14,3                                                                                   | 53,2                                                                                   | 12 100                                                                                  | 22,8                                                                                   | 61,5                                                                                   | 10 900                                                                                  | 28,8                                                                                    | 66,4                                                                                     | 9 800                                                                                     | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,1                                                                                    | 57,3                                                                                     | 8 600                                                                                     | 80,0                                                                                     |

# 16000 S-3

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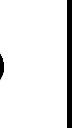
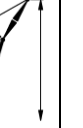
150 590 kg  
+  
54 430 kg



36,0 m

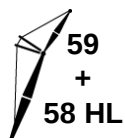


72,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 24,4                                                                                   | 74,5                                                                                   | 108,2                                                                                  | 56 400 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,4                                                                                     |
| 26,0                                                                                   | 73,1                                                                                   | 107,7                                                                                  | 55 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 71,4                                                                                   | 107,0                                                                                  | 55 100 *                                                                                | 72,5                                                                                   | 107,3                                                                                  | 54 600 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 69,8                                                                                   | 106,3                                                                                  | 54 400 *                                                                                | 70,8                                                                                   | 106,7                                                                                  | 54 000 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 68,0                                                                                   | 105,5                                                                                  | 53 700 *                                                                                | 69,1                                                                                   | 105,9                                                                                  | 52 800                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 66,3                                                                                   | 104,7                                                                                  | 49 900                                                                                  | 67,4                                                                                   | 105,1                                                                                  | 48 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 64,5                                                                                   | 103,7                                                                                  | 46 100                                                                                  | 65,7                                                                                   | 104,2                                                                                  | 45 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 62,8                                                                                   | 102,7                                                                                  | 42 800                                                                                  | 63,9                                                                                   | 103,2                                                                                  | 41 700                                                                                  | 66,7                                                                                   | 104,2                                                                                   | 38 900                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 60,9                                                                                   | 101,6                                                                                  | 39 900                                                                                  | 62,1                                                                                   | 102,2                                                                                  | 38 800                                                                                  | 64,9                                                                                   | 103,3                                                                                   | 36 200                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 59,1                                                                                   | 100,4                                                                                  | 37 300                                                                                  | 60,3                                                                                   | 101,0                                                                                  | 36 300                                                                                  | 63,1                                                                                   | 102,3                                                                                   | 33 800                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 57,2                                                                                   | 99,1                                                                                   | 34 900                                                                                  | 58,4                                                                                   | 99,8                                                                                   | 34 000                                                                                  | 61,3                                                                                   | 101,2                                                                                   | 31 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 55,3                                                                                   | 97,8                                                                                   | 32 800                                                                                  | 56,5                                                                                   | 98,5                                                                                   | 31 900                                                                                  | 59,5                                                                                   | 100,0                                                                                   | 29 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 53,3                                                                                   | 96,3                                                                                   | 30 800                                                                                  | 54,6                                                                                   | 97,1                                                                                   | 29 900                                                                                  | 57,6                                                                                   | 98,8                                                                                    | 27 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 51,3                                                                                   | 94,7                                                                                   | 29 000                                                                                  | 52,6                                                                                   | 95,6                                                                                   | 28 200                                                                                  | 55,7                                                                                   | 97,4                                                                                    | 26 100                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 49,2                                                                                   | 93,0                                                                                   | 27 400                                                                                  | 50,5                                                                                   | 94,0                                                                                   | 26 600                                                                                  | 53,7                                                                                   | 96,0                                                                                    | 24 600                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 47,0                                                                                   | 91,2                                                                                   | 25 900                                                                                  | 48,4                                                                                   | 92,2                                                                                   | 25 100                                                                                  | 51,7                                                                                   | 94,4                                                                                    | 23 200                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 44,8                                                                                   | 89,2                                                                                   | 24 500                                                                                  | 46,2                                                                                   | 90,3                                                                                   | 23 700                                                                                  | 49,6                                                                                   | 92,7                                                                                    | 21 900                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 42,5                                                                                   | 87,1                                                                                   | 23 200                                                                                  | 43,9                                                                                   | 88,3                                                                                   | 22 400                                                                                  | 47,5                                                                                   | 90,9                                                                                    | 20 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 40,0                                                                                   | 84,7                                                                                   | 21 900                                                                                  | 41,6                                                                                   | 86,1                                                                                   | 21 300                                                                                  | 45,3                                                                                   | 89,0                                                                                    | 19 600                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 37,4                                                                                   | 82,2                                                                                   | 20 800                                                                                  | 39,1                                                                                   | 83,7                                                                                   | 20 200                                                                                  | 42,9                                                                                   | 86,9                                                                                    | 18 600                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 34,7                                                                                   | 79,3                                                                                   | 19 800                                                                                  | 36,4                                                                                   | 81,0                                                                                   | 19 100                                                                                  | 40,5                                                                                   | 84,6                                                                                    | 17 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 31,7                                                                                   | 76,2                                                                                   | 18 800                                                                                  | 33,6                                                                                   | 78,1                                                                                   | 18 200                                                                                  | 38,0                                                                                   | 82,1                                                                                    | 16 700                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 28,5                                                                                   | 72,7                                                                                   | 17 800                                                                                  | 30,6                                                                                   | 74,9                                                                                   | 17 300                                                                                  | 35,3                                                                                   | 79,3                                                                                    | 15 800                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 24,9                                                                                   | 68,6                                                                                   | 17 000                                                                                  | 27,2                                                                                   | 71,1                                                                                   | 16 400                                                                                  | 32,3                                                                                   | 76,3                                                                                    | 15 000                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 20,6                                                                                   | 63,7                                                                                   | 16 000 *                                                                                | 23,4                                                                                   | 66,8                                                                                   | 15 600                                                                                  | 29,2                                                                                   | 72,8                                                                                    | 14 200                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 15,3                                                                                   | 57,3                                                                                   | 14 100 *                                                                                | 18,9                                                                                   | 61,4                                                                                   | 14 700                                                                                  | 25,6                                                                                   | 68,9                                                                                    | 13 500                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 6,2                                                                                    | 46,1                                                                                   | 11 900 *                                                                                | 12,8                                                                                   | 54,1                                                                                   | 13 100 *                                                                                | 21,6                                                                                   | 64,2                                                                                    | 12 800                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 84,0                                                                                     |

# 16000 S-3

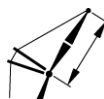
ANSI B30.5



150 590 kg  
+  
54 430 kg



36,0 m

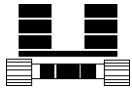
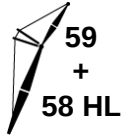


72,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | o    | m     | kg     | o    | m    | kg     |
| 24,4 |      |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 |      |       |        |      |      |        |
| 44,0 |      |       |        |      |      |        |
| 46,0 | 62,3 | 101,0 | 27 400 |      |      |        |
| 48,0 | 60,5 | 99,9  | 25 600 |      |      |        |
| 50,0 | 58,6 | 98,7  | 24 100 |      |      |        |
| 52,0 | 56,7 | 97,4  | 22 600 |      |      |        |
| 54,0 | 54,8 | 96,0  | 21 300 |      |      |        |
| 56,0 | 52,8 | 94,5  | 20 100 | 55,8 | 95,7 | 18 400 |
| 58,0 | 50,8 | 92,9  | 19 000 | 53,8 | 94,3 | 17 300 |
| 60,0 | 48,6 | 91,2  | 17 900 | 51,8 | 92,7 | 16 300 |
| 62,0 | 46,5 | 89,3  | 17 000 | 49,7 | 91,0 | 15 400 |
| 64,0 | 44,2 | 87,3  | 16 000 | 47,6 | 89,2 | 14 500 |
| 66,0 | 41,8 | 85,1  | 15 200 | 45,4 | 87,3 | 13 700 |
| 68,0 | 39,4 | 82,7  | 14 400 | 43,1 | 85,2 | 12 900 |
| 70,0 | 36,8 | 80,1  | 13 600 | 40,6 | 82,9 | 12 200 |
| 72,0 | 34,0 | 77,2  | 12 900 | 38,1 | 80,4 | 11 500 |
| 74,0 | 30,9 | 74,0  | 12 200 | 35,4 | 77,7 | 10 900 |
| 76,0 | 27,6 | 70,3  | 11 500 | 32,5 | 74,6 | 10 300 |
| 80,0 | 19,4 | 60,9  | 10 300 | 25,8 | 67,3 | 9 100  |
| 84,0 |      |       |        | 16,8 | 56,7 | 8 100  |

# 16000 S-3

ANSI B30.5



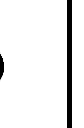
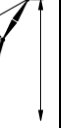
150 590 kg  
+  
54 430 kg

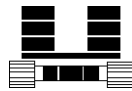
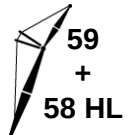


36,0 m



78,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 25,9                                                                                   | 74,5                                                                                   | 114,0                                                                                  | 48 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 25,9                                                                                     |
| 26,0                                                                                   | 74,5                                                                                   | 114,0                                                                                  | 48 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 72,9                                                                                   | 113,4                                                                                  | 47 400 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 71,4                                                                                   | 112,7                                                                                  | 46 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 69,8                                                                                   | 112,0                                                                                  | 46 400 *                                                                                | 70,8                                                                                   | 112,3                                                                                  | 46 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 68,2                                                                                   | 111,2                                                                                  | 45 800 *                                                                                | 69,2                                                                                   | 111,6                                                                                  | 45 700 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 66,6                                                                                   | 110,3                                                                                  | 45 000                                                                                  | 67,6                                                                                   | 110,7                                                                                  | 44 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 65,0                                                                                   | 109,4                                                                                  | 42 400                                                                                  | 66,0                                                                                   | 109,9                                                                                  | 41 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 63,4                                                                                   | 108,4                                                                                  | 39 400                                                                                  | 64,4                                                                                   | 108,9                                                                                  | 38 300                                                                                  | 67,0                                                                                   | 109,9                                                                                   | 35 700                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 61,7                                                                                   | 107,3                                                                                  | 36 800                                                                                  | 62,8                                                                                   | 107,9                                                                                  | 35 800                                                                                  | 65,4                                                                                   | 109,0                                                                                   | 33 200                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 60,0                                                                                   | 106,2                                                                                  | 34 400                                                                                  | 61,1                                                                                   | 106,8                                                                                  | 33 400                                                                                  | 63,7                                                                                   | 108,0                                                                                   | 31 000                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 58,3                                                                                   | 105,0                                                                                  | 32 300                                                                                  | 59,4                                                                                   | 105,7                                                                                  | 31 300                                                                                  | 62,1                                                                                   | 107,0                                                                                   | 29 000                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 56,5                                                                                   | 103,7                                                                                  | 30 300                                                                                  | 57,7                                                                                   | 104,4                                                                                  | 29 400                                                                                  | 60,4                                                                                   | 105,8                                                                                   | 27 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 54,8                                                                                   | 102,3                                                                                  | 28 500                                                                                  | 55,9                                                                                   | 103,1                                                                                  | 27 700                                                                                  | 58,7                                                                                   | 104,6                                                                                   | 25 600                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 52,9                                                                                   | 100,8                                                                                  | 26 900                                                                                  | 54,1                                                                                   | 101,6                                                                                  | 26 100                                                                                  | 56,9                                                                                   | 103,3                                                                                   | 24 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 51,0                                                                                   | 99,2                                                                                   | 25 400                                                                                  | 52,2                                                                                   | 100,1                                                                                  | 24 600                                                                                  | 55,1                                                                                   | 102,0                                                                                   | 22 700                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 49,1                                                                                   | 97,5                                                                                   | 24 000                                                                                  | 50,3                                                                                   | 98,5                                                                                   | 23 200                                                                                  | 53,3                                                                                   | 100,5                                                                                   | 21 400                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 47,1                                                                                   | 95,7                                                                                   | 22 700                                                                                  | 48,4                                                                                   | 96,7                                                                                   | 21 900                                                                                  | 51,4                                                                                   | 98,9                                                                                    | 20 200                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 45,1                                                                                   | 93,7                                                                                   | 21 500                                                                                  | 46,4                                                                                   | 94,8                                                                                   | 20 800                                                                                  | 49,5                                                                                   | 97,2                                                                                    | 19 100                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 42,9                                                                                   | 91,6                                                                                   | 20 300                                                                                  | 44,3                                                                                   | 92,8                                                                                   | 19 700                                                                                  | 47,5                                                                                   | 95,4                                                                                    | 18 000                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 40,7                                                                                   | 89,3                                                                                   | 19 300                                                                                  | 42,1                                                                                   | 90,6                                                                                   | 18 600                                                                                  | 45,5                                                                                   | 93,5                                                                                    | 17 100                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 38,4                                                                                   | 86,8                                                                                   | 18 300                                                                                  | 39,8                                                                                   | 88,3                                                                                   | 17 700                                                                                  | 43,4                                                                                   | 91,4                                                                                    | 16 200                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 35,9                                                                                   | 84,1                                                                                   | 17 400                                                                                  | 37,5                                                                                   | 85,7                                                                                   | 16 800                                                                                  | 41,2                                                                                   | 89,2                                                                                    | 15 300                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 33,3                                                                                   | 81,2                                                                                   | 16 500                                                                                  | 34,9                                                                                   | 82,9                                                                                   | 15 900                                                                                  | 38,8                                                                                   | 86,7                                                                                    | 14 500                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 30,4                                                                                   | 77,8                                                                                   | 15 700                                                                                  | 32,2                                                                                   | 79,9                                                                                   | 15 100                                                                                  | 36,4                                                                                   | 84,1                                                                                    | 13 700                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 27,3                                                                                   | 74,1                                                                                   | 14 900                                                                                  | 29,3                                                                                   | 76,4                                                                                   | 14 400                                                                                  | 33,8                                                                                   | 81,2                                                                                    | 13 000                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 23,9                                                                                   | 69,8                                                                                   | 14 100                                                                                  | 26,1                                                                                   | 72,5                                                                                   | 13 600                                                                                  | 31,0                                                                                   | 77,9                                                                                    | 12 300                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 14,7                                                                                   | 58,0                                                                                   | 11 100 *                                                                                | 18,1                                                                                   | 62,4                                                                                   | 11 800 *                                                                                | 24,6                                                                                   | 70,2                                                                                    | 11 000                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 15,9                                                                                   | 59,0                                                                                    | 9 900                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 88,0                                                                                     |



150 590 kg  
+  
54 430 kg



36,0 m

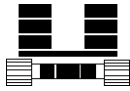
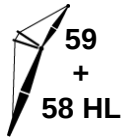


78,0 m

|      | 75°  |       |        |
|------|------|-------|--------|
|      |      |       |        |
|      | m    | o     | kg     |
| 25,9 |      |       |        |
| 26,0 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 |      |       |        |
| 48,0 |      |       |        |
| 50,0 | 61,3 | 105,7 | 23 500 |
| 52,0 | 59,6 | 104,5 | 22 100 |
| 54,0 | 57,9 | 103,3 | 20 800 |
| 56,0 | 56,1 | 101,9 | 19 500 |
| 58,0 | 54,3 | 100,5 | 18 400 |
| 60,0 | 52,5 | 99,0  | 17 300 |
| 62,0 | 50,6 | 97,4  | 16 400 |
| 64,0 | 48,6 | 95,7  | 15 500 |
| 66,0 | 46,6 | 93,8  | 14 600 |
| 68,0 | 44,5 | 91,8  | 13 800 |
| 70,0 | 42,4 | 89,6  | 13 100 |
| 72,0 | 40,1 | 87,3  | 12 300 |
| 74,0 | 37,7 | 84,8  | 11 600 |
| 76,0 | 35,2 | 82,0  | 11 000 |
| 80,0 | 29,7 | 75,6  | 9 800  |
| 84,0 | 22,9 | 67,3  | 8 700  |
| 88,0 | 13,1 | 54,5  | 7 700  |

# 16000 S-3

ANSI B30.5



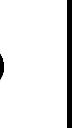
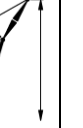
150 590 kg  
+  
54 430 kg



36,0 m



84,0 m

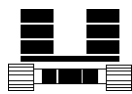
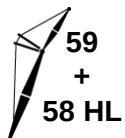
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 27,4                                                                                   | 74,6                                                                                   | 119,8                                                                                  | 40 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 27,4                                                                                     |
| 28,0                                                                                   | 74,2                                                                                   | 119,6                                                                                  | 40 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 72,8                                                                                   | 119,0                                                                                  | 40 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 71,3                                                                                   | 118,3                                                                                  | 39 500 *                                                                                | 72,2                                                                                   | 118,7                                                                                  | 39 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 69,9                                                                                   | 117,6                                                                                  | 38 900 *                                                                                | 70,8                                                                                   | 118,0                                                                                  | 38 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 68,4                                                                                   | 116,8                                                                                  | 38 400 *                                                                                | 69,3                                                                                   | 117,2                                                                                  | 38 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 66,9                                                                                   | 116,0                                                                                  | 37 900 *                                                                                | 67,9                                                                                   | 116,4                                                                                  | 37 900 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 65,4                                                                                   | 115,1                                                                                  | 37 400 *                                                                                | 66,4                                                                                   | 115,6                                                                                  | 37 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 63,9                                                                                   | 114,1                                                                                  | 36 300                                                                                  | 64,9                                                                                   | 114,6                                                                                  | 35 300                                                                                  | 67,2                                                                                   | 115,6                                                                                   | 32 600                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 62,4                                                                                   | 113,1                                                                                  | 33 800                                                                                  | 63,3                                                                                   | 113,6                                                                                  | 32 800                                                                                  | 65,7                                                                                   | 114,7                                                                                   | 30 400                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 60,8                                                                                   | 112,0                                                                                  | 31 700                                                                                  | 61,8                                                                                   | 112,6                                                                                  | 30 700                                                                                  | 64,2                                                                                   | 113,7                                                                                   | 28 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 59,2                                                                                   | 110,8                                                                                  | 29 700                                                                                  | 60,2                                                                                   | 111,4                                                                                  | 28 800                                                                                  | 62,7                                                                                   | 112,7                                                                                   | 26 600                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 57,6                                                                                   | 109,5                                                                                  | 28 000                                                                                  | 58,6                                                                                   | 110,2                                                                                  | 27 100                                                                                  | 61,1                                                                                   | 111,6                                                                                   | 24 900                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 56,0                                                                                   | 108,2                                                                                  | 26 300                                                                                  | 57,0                                                                                   | 108,9                                                                                  | 25 500                                                                                  | 59,6                                                                                   | 110,4                                                                                   | 23 400                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 54,3                                                                                   | 106,8                                                                                  | 24 800                                                                                  | 55,4                                                                                   | 107,6                                                                                  | 24 000                                                                                  | 57,9                                                                                   | 109,2                                                                                   | 22 000                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 52,6                                                                                   | 105,3                                                                                  | 23 400                                                                                  | 53,7                                                                                   | 106,1                                                                                  | 22 600                                                                                  | 56,3                                                                                   | 107,9                                                                                   | 20 700                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 50,8                                                                                   | 103,7                                                                                  | 22 100                                                                                  | 52,0                                                                                   | 104,6                                                                                  | 21 400                                                                                  | 54,6                                                                                   | 106,5                                                                                   | 19 500                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 49,0                                                                                   | 101,9                                                                                  | 20 900                                                                                  | 50,2                                                                                   | 102,9                                                                                  | 20 200                                                                                  | 52,9                                                                                   | 105,0                                                                                   | 18 400                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 47,2                                                                                   | 100,1                                                                                  | 19 800                                                                                  | 48,4                                                                                   | 101,2                                                                                  | 19 100                                                                                  | 51,2                                                                                   | 103,4                                                                                   | 17 400                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 45,3                                                                                   | 98,2                                                                                   | 18 700                                                                                  | 46,5                                                                                   | 99,3                                                                                   | 18 100                                                                                  | 49,4                                                                                   | 101,7                                                                                   | 16 400                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 43,3                                                                                   | 96,1                                                                                   | 17 700                                                                                  | 44,6                                                                                   | 97,3                                                                                   | 17 100                                                                                  | 47,6                                                                                   | 99,9                                                                                    | 15 500                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 41,3                                                                                   | 93,8                                                                                   | 16 800                                                                                  | 42,6                                                                                   | 95,2                                                                                   | 16 200                                                                                  | 45,7                                                                                   | 98,0                                                                                    | 14 700                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 39,1                                                                                   | 91,4                                                                                   | 16 000                                                                                  | 40,5                                                                                   | 92,9                                                                                   | 15 400                                                                                  | 43,7                                                                                   | 95,9                                                                                    | 13 900                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 36,9                                                                                   | 88,8                                                                                   | 15 100                                                                                  | 38,3                                                                                   | 90,4                                                                                   | 14 500                                                                                  | 41,7                                                                                   | 93,7                                                                                    | 13 100                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 34,5                                                                                   | 86,0                                                                                   | 14 400                                                                                  | 36,0                                                                                   | 87,7                                                                                   | 13 800                                                                                  | 39,6                                                                                   | 91,3                                                                                    | 12 400                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 32,0                                                                                   | 82,9                                                                                   | 13 600                                                                                  | 33,6                                                                                   | 84,8                                                                                   | 13 100                                                                                  | 37,4                                                                                   | 88,8                                                                                    | 11 700                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 26,3                                                                                   | 75,5                                                                                   | 12 200                                                                                  | 28,2                                                                                   | 77,9                                                                                   | 11 700                                                                                  | 32,5                                                                                   | 82,9                                                                                    | 10 500                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   | 19,0                                                                                   | 65,7                                                                                   | 9 900 *                                                                                 | 21,6                                                                                   | 69,1                                                                                   | 10 400 *                                                                                | 26,9                                                                                   | 75,8                                                                                    | 9 300                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 11,8                                                                                   | 55,3                                                                                   | 7 600 *                                                                                 | 19,9                                                                                   | 66,3                                                                                    | 8 300                                                                                     | 88,0                                                                                     |



REFERENCE  
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# 16000 S-3

ANSI B30.5



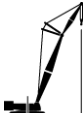
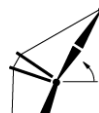
150 590 kg  
+  
54 430 kg



42,0 m

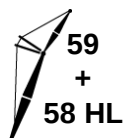


24,0 m

| <br>m |  87°  |                                                                                        |                                                                                         |  85°  |                                                                                        |                                                                                         |  80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg |                                                                                          |
| 12,2                                                                                   | 73,6                                                                                   | 67,8                                                                                   | 151 000 *d                                                                              |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 12,2                                                                                     |
| 14,0                                                                                   | 69,0                                                                                   | 67,2                                                                                   | 138 200 *c                                                                              |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   | 63,7                                                                                   | 66,2                                                                                   | 124 400 *b                                                                              | 67,6                                                                                   | 66,8                                                                                   | 128 000 *c                                                                              |                                                                                         |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   | 58,1                                                                                   | 65,0                                                                                   | 112 600 *                                                                               | 62,3                                                                                   | 65,8                                                                                   | 115 700 *b                                                                              |                                                                                         |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   | 52,2                                                                                   | 63,5                                                                                   | 102 200 *                                                                               | 56,6                                                                                   | 64,5                                                                                   | 102 700                                                                                 | 66,7                                                                                    | 66,1                                                                                     | 97 000 b                                                                                  | 20,0                                                                                     |
| 22,0                                                                                   | 45,6                                                                                   | 61,6                                                                                   | 92 700                                                                                  | 50,5                                                                                   | 62,9                                                                                   | 90 600                                                                                  | 61,3                                                                                    | 65,0                                                                                     | 85 600 b                                                                                  | 22,0                                                                                     |
| 24,0                                                                                   | 38,2                                                                                   | 59,2                                                                                   | 82 800                                                                                  | 43,8                                                                                   | 60,9                                                                                   | 81 000                                                                                  | 55,6                                                                                    | 63,7                                                                                     | 76 500                                                                                    | 24,0                                                                                     |
| 26,0                                                                                   | 29,2                                                                                   | 56,0                                                                                   | 73 900 *                                                                                | 36,1                                                                                   | 58,4                                                                                   | 73 000                                                                                  | 49,4                                                                                    | 62,0                                                                                     | 69 000                                                                                    | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 26,3                                                                                   | 54,8                                                                                   | 66 400                                                                                  | 42,6                                                                                    | 60,0                                                                                     | 62 800                                                                                    | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 34,6                                                                                    | 57,3                                                                                     | 57 400                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,3                                                                                    | 53,5                                                                                     | 52 800                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 44,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

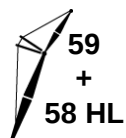


24,0 m

|      | 75°  |   |      | 70°      |      |      | 65°    |      |      |        |
|------|------|---|------|----------|------|------|--------|------|------|--------|
|      |      |   |      |          |      |      |        |      |      |        |
|      | m    | o | m    | kg       | o    | m    | kg     | o    | m    | kg     |
| 12,2 |      |   |      |          |      |      |        |      |      | 12,2   |
| 14,0 |      |   |      |          |      |      |        |      |      | 14,0   |
| 16,0 |      |   |      |          |      |      |        |      |      | 16,0   |
| 18,0 |      |   |      |          |      |      |        |      |      | 18,0   |
| 20,0 |      |   |      |          |      |      |        |      |      | 20,0   |
| 22,0 |      |   |      |          |      |      |        |      |      | 22,0   |
| 24,0 |      |   |      |          |      |      |        |      |      | 24,0   |
| 26,0 | 60,2 |   | 63,9 | 65 000 b |      |      |        |      |      | 26,0   |
| 28,0 | 54,4 |   | 62,5 | 59 100   |      |      |        |      |      | 28,0   |
| 30,0 | 48,1 |   | 60,8 | 54 100   |      |      |        |      |      | 30,0   |
| 32,0 | 41,1 |   | 58,6 | 49 700   | 52,9 | 60,9 | 46 600 |      |      | 32,0   |
| 34,0 | 32,8 |   | 55,8 | 45 900   | 46,5 | 59,1 | 43 100 |      |      | 34,0   |
| 36,0 | 21,6 |   | 51,5 | 42 500   | 39,2 | 56,8 | 40 000 |      |      | 36,0   |
| 38,0 |      |   |      |          | 30,4 | 53,7 | 37 200 | 44,4 | 57,0 | 34 800 |
| 40,0 |      |   |      |          |      |      |        | 36,7 | 54,5 | 32 400 |
| 42,0 |      |   |      |          |      |      |        | 27,2 | 51,0 | 30 300 |
| 44,0 |      |   |      |          |      |      |        | 11,1 | 44,6 | 28 200 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

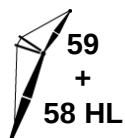


30,0 m

|      | 87°  |      |            | 85°  |      |            | 80°  |      |        |      |
|------|------|------|------------|------|------|------------|------|------|--------|------|
|      |      |      |            |      |      |            |      |      |        |      |
| m    | o    | m    | kg         | o    | m    | kg         | o    | m    | kg     | m    |
| 13,7 | 73,9 | 73,6 | 133 200 *c |      |      |            |      |      |        | 13,7 |
| 14,0 | 73,4 | 73,6 | 131 500 *c |      |      |            |      |      |        | 14,0 |
| 16,0 | 69,3 | 72,8 | 119 700 *b |      |      |            |      |      |        | 16,0 |
| 18,0 | 65,1 | 71,9 | 109 300 *b | 68,2 | 72,5 | 111 900 *b |      |      |        | 18,0 |
| 20,0 | 60,8 | 70,8 | 100 200 *  | 64,0 | 71,5 | 102 300 b  |      |      |        | 20,0 |
| 22,0 | 56,2 | 69,5 | 91 800     | 59,6 | 70,4 | 90 400     |      |      |        | 22,0 |
| 24,0 | 51,4 | 68,0 | 82 800     | 55,0 | 69,0 | 80 800     | 63,3 | 70,8 | 76 200 | 24,0 |
| 26,0 | 46,2 | 66,1 | 74 600     | 50,1 | 67,4 | 73 000     | 58,8 | 69,6 | 68 700 | 26,0 |
| 28,0 | 40,4 | 63,9 | 67 900     | 44,7 | 65,4 | 66 300     | 54,2 | 68,2 | 62 500 | 28,0 |
| 30,0 | 33,9 | 61,1 | 62 100     | 38,8 | 63,1 | 60 700     | 49,2 | 66,5 | 57 200 | 30,0 |
| 32,0 | 25,8 | 57,4 | 57 200     | 32,0 | 60,1 | 55 900     | 43,8 | 64,5 | 52 600 | 32,0 |
| 34,0 |      |      |            | 23,3 | 56,0 | 51 600     | 37,7 | 62,1 | 48 700 | 34,0 |
| 36,0 |      |      |            |      |      |            | 30,7 | 59,0 | 45 100 | 36,0 |
| 38,0 |      |      |            |      |      |            | 21,5 | 54,6 | 42 000 | 38,0 |
| 40,0 |      |      |            |      |      |            |      |      |        | 40,0 |
| 42,0 |      |      |            |      |      |            |      |      |        | 42,0 |
| 44,0 |      |      |            |      |      |            |      |      |        | 44,0 |
| 46,0 |      |      |            |      |      |            |      |      |        | 46,0 |
| 48,0 |      |      |            |      |      |            |      |      |        | 48,0 |
| 50,0 |      |      |            |      |      |            |      |      |        | 50,0 |

# 16000 S-3

ANSI B30.5



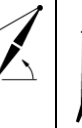
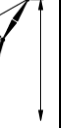
150 590 kg  
+  
54 430 kg



42,0 m

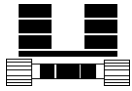
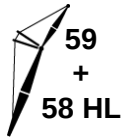


30,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 13,7                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 57,9                                                                                   | 68,4                                                                                   | 53 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 53,2                                                                                   | 67,0                                                                                   | 49 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 48,1                                                                                   | 65,3                                                                                   | 45 600                                                                                  | 56,8                                                                                   | 66,9                                                                                   | 42 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 42,6                                                                                   | 63,2                                                                                   | 42 400                                                                                  | 52,0                                                                                   | 65,4                                                                                   | 39 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 36,4                                                                                   | 60,6                                                                                   | 39 500                                                                                  | 46,8                                                                                   | 63,6                                                                                   | 36 800                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 29,1                                                                                   | 57,3                                                                                   | 36 800                                                                                  | 41,2                                                                                   | 61,4                                                                                   | 34 400                                                                                  | 50,5                                                                                   | 63,4                                                                                    | 32 000                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 19,1                                                                                   | 52,5                                                                                   | 34 400                                                                                  | 34,8                                                                                   | 58,7                                                                                   | 32 200                                                                                  | 45,2                                                                                   | 61,5                                                                                    | 29 900                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 27,0                                                                                   | 55,2                                                                                   | 30 200                                                                                  | 39,3                                                                                   | 59,2                                                                                    | 28 100                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 32,6                                                                                   | 56,3                                                                                    | 26 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,1                                                                                   | 52,3                                                                                    | 24 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 9,7                                                                                    | 45,0                                                                                    | 23 200                                                                                    | 50,0                                                                                     |

# 16000 S-3

ANSI B30.5



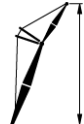
150 590 kg  
+  
54 430 kg



42,0 m

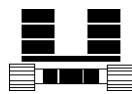
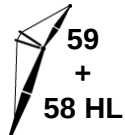


36,0 m

|  | 87°                                                                               |                                                                                   |                                                                                   |  | 85°                                                                               |                                                                                   |                                                                                   |  | 80°                                                                                |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |  |  |  |                                                                                   |  |  |  |                                                                                     |  |  |  |                                                                                     |
| m                                                                                 | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                 | m                                                                                   | kg                                                                                 | m                                                                                   |                                                                                     |                                                                                     |
| 15,2                                                                              | 74,2                                                                              | 79,4                                                                              | 116 800 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 15,2                                                                                |                                                                                     |                                                                                     |
| 16,0                                                                              | 72,9                                                                              | 79,2                                                                              | 113 300 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 16,0                                                                                |                                                                                     |                                                                                     |
| 18,0                                                                              | 69,5                                                                              | 78,5                                                                              | 104 300 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 18,0                                                                                |                                                                                     |                                                                                     |
| 20,0                                                                              | 66,0                                                                              | 77,6                                                                              | 96 300 *                                                                          | 68,6                                                                              | 78,1                                                                              | 98 200 *                                                                          |                                                                                   |                                                                                     |                                                                                    | 20,0                                                                                |                                                                                     |                                                                                     |
| 22,0                                                                              | 62,5                                                                              | 76,6                                                                              | 89 100 *                                                                          | 65,1                                                                              | 77,2                                                                              | 90 200                                                                            |                                                                                   |                                                                                     |                                                                                    | 22,0                                                                                |                                                                                     |                                                                                     |
| 24,0                                                                              | 58,8                                                                              | 75,4                                                                              | 82 100                                                                            | 61,5                                                                              | 76,2                                                                              | 80 400                                                                            |                                                                                   |                                                                                     |                                                                                    | 24,0                                                                                |                                                                                     |                                                                                     |
| 26,0                                                                              | 54,9                                                                              | 74,0                                                                              | 74 300                                                                            | 57,8                                                                              | 74,9                                                                              | 72 500                                                                            | 64,5                                                                              | 76,5                                                                                | 68 100                                                                             | 26,0                                                                                |                                                                                     |                                                                                     |
| 28,0                                                                              | 50,8                                                                              | 72,4                                                                              | 67 500                                                                            | 53,9                                                                              | 73,5                                                                              | 65 900                                                                            | 60,9                                                                              | 75,4                                                                                | 61 900                                                                             | 28,0                                                                                |                                                                                     |                                                                                     |
| 30,0                                                                              | 46,5                                                                              | 70,6                                                                              | 61 800                                                                            | 49,7                                                                              | 71,8                                                                              | 60 300                                                                            | 57,1                                                                              | 74,1                                                                                | 56 600                                                                             | 30,0                                                                                |                                                                                     |                                                                                     |
| 32,0                                                                              | 41,8                                                                              | 68,4                                                                              | 56 900                                                                            | 45,3                                                                              | 69,9                                                                              | 55 500                                                                            | 53,2                                                                              | 72,7                                                                                | 52 100                                                                             | 32,0                                                                                |                                                                                     |                                                                                     |
| 34,0                                                                              | 36,7                                                                              | 65,9                                                                              | 52 600                                                                            | 40,5                                                                              | 67,7                                                                              | 51 400                                                                            | 49,0                                                                              | 71,0                                                                                | 48 100                                                                             | 34,0                                                                                |                                                                                     |                                                                                     |
| 36,0                                                                              | 30,7                                                                              | 62,7                                                                              | 48 800                                                                            | 35,2                                                                              | 65,0                                                                              | 47 600                                                                            | 44,6                                                                              | 69,0                                                                                | 44 700                                                                             | 36,0                                                                                |                                                                                     |                                                                                     |
| 38,0                                                                              | 23,4                                                                              | 58,6                                                                              | 45 500                                                                            | 29,0                                                                              | 61,7                                                                              | 44 400                                                                            | 39,7                                                                              | 66,7                                                                                | 41 600                                                                             | 38,0                                                                                |                                                                                     |                                                                                     |
| 40,0                                                                              |                                                                                   |                                                                                   |                                                                                   | 21,1                                                                              | 57,1                                                                              | 41 400                                                                            | 34,2                                                                              | 63,9                                                                                | 38 900                                                                             | 40,0                                                                                |                                                                                     |                                                                                     |
| 42,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 27,8                                                                              | 60,4                                                                                | 36 400                                                                             | 42,0                                                                                |                                                                                     |                                                                                     |
| 44,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19,5                                                                              | 55,6                                                                                | 34 100                                                                             | 44,0                                                                                |                                                                                     |                                                                                     |
| 46,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 46,0                                                                                |                                                                                     |                                                                                     |
| 48,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 48,0                                                                                |                                                                                     |                                                                                     |
| 50,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 50,0                                                                                |                                                                                     |                                                                                     |
| 52,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 52,0                                                                                |                                                                                     |                                                                                     |
| 54,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                    | 54,0                                                                                |                                                                                     |                                                                                     |

# 16000 S-3

ANSI B30.5



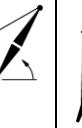
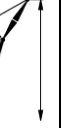
150 590 kg  
+  
54 430 kg



42,0 m

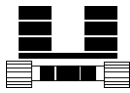
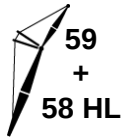


36,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 15,2                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 60,1                                                                                   | 74,3                                                                                   | 48 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 56,3                                                                                   | 73,0                                                                                   | 45 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 52,4                                                                                   | 71,5                                                                                   | 41 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 48,1                                                                                   | 69,7                                                                                   | 38 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 43,6                                                                                   | 67,7                                                                                   | 36 300                                                                                  | 51,4                                                                                   | 69,9                                                                                   | 33 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 38,7                                                                                   | 65,3                                                                                   | 34 000                                                                                  | 47,1                                                                                   | 68,1                                                                                   | 31 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 33,0                                                                                   | 62,4                                                                                   | 31 900                                                                                  | 42,4                                                                                   | 66,0                                                                                   | 29 600                                                                                  | 50,1                                                                                   | 67,9                                                                                    | 27 400                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 26,4                                                                                   | 58,7                                                                                   | 30 000                                                                                  | 37,3                                                                                   | 63,5                                                                                   | 27 800                                                                                  | 45,7                                                                                   | 66,0                                                                                    | 25 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 17,3                                                                                   | 53,4                                                                                   | 28 200                                                                                  | 31,5                                                                                   | 60,4                                                                                   | 26 200                                                                                  | 41,0                                                                                   | 63,8                                                                                    | 24 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 24,5                                                                                   | 56,4                                                                                   | 24 700                                                                                  | 35,7                                                                                   | 61,1                                                                                    | 22 800                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 29,6                                                                                   | 57,8                                                                                    | 21 500                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 21,9                                                                                   | 53,4                                                                                    | 20 300                                                                                    | 54,0                                                                                     |

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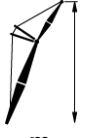
150 590 kg  
+  
54 430 kg



42,0 m

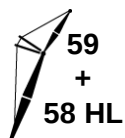


42,0 m

|      |  87° |                                                                                     |                                                                                     |                                                                                      |  85° |                                                                                     |                                                                                      |  80° |                                                                                       |                                                                                        |  |
|------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      |  m   |  o |  m |  kg |  o   |  m |  kg |  o    |  m |  kg |                                                                                     |
| 16,8 | 74,3                                                                                  | 85,2                                                                                | 103 800 *b                                                                          |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 16,8                                                                                |
| 18,0 | 72,6                                                                                  | 84,9                                                                                | 99 200 *                                                                            |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 18,0                                                                                |
| 20,0 | 69,7                                                                                  | 84,1                                                                                | 92 300 *                                                                            | 71,8                                                                                 | 84,5                                                                                  | 93 800 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 20,0                                                                                |
| 22,0 | 66,7                                                                                  | 83,3                                                                                | 85 900 *                                                                            | 68,9                                                                                 | 83,8                                                                                  | 87 400 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 22,0                                                                                |
| 24,0 | 63,7                                                                                  | 82,3                                                                                | 80 100 *                                                                            | 65,9                                                                                 | 82,9                                                                                  | 80 100                                                                              |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 24,0                                                                                |
| 26,0 | 60,5                                                                                  | 81,2                                                                                | 73 900                                                                              | 62,9                                                                                 | 81,9                                                                                  | 72 100                                                                              |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 26,0                                                                                |
| 28,0 | 57,3                                                                                  | 79,9                                                                                | 67 200                                                                              | 59,7                                                                                 | 80,8                                                                                  | 65 500                                                                              | 65,4                                                                                 | 82,2                                                                                    | 61 500                                                                                |                                                                                        | 28,0                                                                                |
| 30,0 | 54,0                                                                                  | 78,5                                                                                | 61 500                                                                              | 56,5                                                                                 | 79,5                                                                                  | 59 900                                                                              | 62,3                                                                                 | 81,2                                                                                    | 56 100                                                                                |                                                                                        | 30,0                                                                                |
| 32,0 | 50,5                                                                                  | 76,9                                                                                | 56 600                                                                              | 53,1                                                                                 | 78,0                                                                                  | 55 200                                                                              | 59,2                                                                                 | 80,0                                                                                    | 51 600                                                                                |                                                                                        | 32,0                                                                                |
| 34,0 | 46,8                                                                                  | 75,1                                                                                | 52 300                                                                              | 49,5                                                                                 | 76,3                                                                                  | 51 000                                                                              | 55,9                                                                                 | 78,7                                                                                    | 47 700                                                                                |                                                                                        | 34,0                                                                                |
| 36,0 | 42,8                                                                                  | 73,0                                                                                | 48 600                                                                              | 45,8                                                                                 | 74,4                                                                                  | 47 300                                                                              | 52,5                                                                                 | 77,2                                                                                    | 44 300                                                                                |                                                                                        | 36,0                                                                                |
| 38,0 | 38,5                                                                                  | 70,6                                                                                | 45 200                                                                              | 41,7                                                                                 | 72,3                                                                                  | 44 100                                                                              | 48,9                                                                                 | 75,5                                                                                    | 41 200                                                                                |                                                                                        | 38,0                                                                                |
| 40,0 | 33,8                                                                                  | 67,7                                                                                | 42 300                                                                              | 37,3                                                                                 | 69,7                                                                                  | 41 200                                                                              | 45,1                                                                                 | 73,5                                                                                    | 38 500                                                                                |                                                                                        | 40,0                                                                                |
| 42,0 | 28,3                                                                                  | 64,3                                                                                | 39 600                                                                              | 32,4                                                                                 | 66,8                                                                                  | 38 600                                                                              | 41,0                                                                                 | 71,3                                                                                    | 36 100                                                                                |                                                                                        | 42,0                                                                                |
| 44,0 | 21,6                                                                                  | 59,7                                                                                | 37 200                                                                              | 26,7                                                                                 | 63,1                                                                                  | 36 300                                                                              | 36,6                                                                                 | 68,7                                                                                    | 33 900                                                                                |                                                                                        | 44,0                                                                                |
| 46,0 |                                                                                       |                                                                                     |                                                                                     | 19,4                                                                                 | 58,1                                                                                  | 34 000                                                                              | 31,5                                                                                 | 65,6                                                                                    | 31 800                                                                                |                                                                                        | 46,0                                                                                |
| 48,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     | 25,6                                                                                 | 61,8                                                                                    | 30 000                                                                                |                                                                                        | 48,0                                                                                |
| 50,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     | 17,9                                                                                 | 56,5                                                                                    | 28 300                                                                                |                                                                                        | 50,0                                                                                |
| 52,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 52,0                                                                                |
| 54,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 54,0                                                                                |
| 56,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 56,0                                                                                |
| 58,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 58,0                                                                                |
| 60,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 60,0                                                                                |

# 16000 S-3

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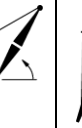
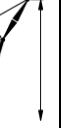
150 590 kg  
+  
54 430 kg



42,0 m

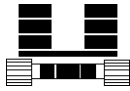
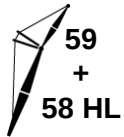


42,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 16,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 61,7                                                                                   | 80,1                                                                                   | 44 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 58,5                                                                                   | 78,9                                                                                   | 41 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 55,2                                                                                   | 77,5                                                                                   | 38 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 51,8                                                                                   | 76,0                                                                                   | 35 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 48,2                                                                                   | 74,2                                                                                   | 33 500                                                                                  | 54,4                                                                                   | 75,9                                                                                   | 31 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 44,3                                                                                   | 72,2                                                                                   | 31 500                                                                                  | 50,9                                                                                   | 74,4                                                                                   | 29 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 40,2                                                                                   | 69,9                                                                                   | 29 600                                                                                  | 47,2                                                                                   | 72,6                                                                                   | 27 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 35,6                                                                                   | 67,3                                                                                   | 27 900                                                                                  | 43,3                                                                                   | 70,5                                                                                   | 25 700                                                                                  | 49,8                                                                                   | 72,3                                                                                    | 23 600                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 30,5                                                                                   | 64,1                                                                                   | 26 300                                                                                  | 39,1                                                                                   | 68,1                                                                                   | 24 300                                                                                  | 46,1                                                                                   | 70,5                                                                                    | 22 300                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 24,3                                                                                   | 60,0                                                                                   | 24 800                                                                                  | 34,4                                                                                   | 65,3                                                                                   | 22 900                                                                                  | 42,1                                                                                   | 68,3                                                                                    | 21 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 15,9                                                                                   | 54,2                                                                                   | 23 400                                                                                  | 29,1                                                                                   | 62,0                                                                                   | 21 600                                                                                  | 37,7                                                                                   | 65,8                                                                                    | 19 800                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 22,5                                                                                   | 57,6                                                                                   | 20 500                                                                                  | 32,9                                                                                   | 62,9                                                                                    | 18 800                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 27,2                                                                                   | 59,3                                                                                    | 17 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,1                                                                                   | 54,5                                                                                    | 16 700                                                                                    | 60,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

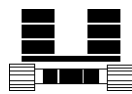
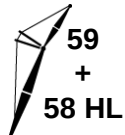


48,0 m

|      | 87°  |      |          | 85°  |      |          | 80°  |      |        |      |
|------|------|------|----------|------|------|----------|------|------|--------|------|
|      |      |      |          |      |      |          |      |      |        |      |
|      | m    | o    | m        | kg   | o    | m        | kg   | o    | m      | kg   |
| 18,3 | 74,4 | 91,1 | 92 100 * |      |      |          |      |      |        | 18,3 |
| 20,0 | 72,3 | 90,5 | 87 100 * |      |      |          |      |      |        | 20,0 |
| 22,0 | 69,8 | 89,8 | 81 600 * | 71,6 | 90,2 | 82 800 * |      |      |        | 22,0 |
| 24,0 | 67,2 | 89,0 | 76 500 * | 69,1 | 89,4 | 77 700 * |      |      |        | 24,0 |
| 26,0 | 64,5 | 88,0 | 71 900   | 66,5 | 88,6 | 71 500   |      |      |        | 26,0 |
| 28,0 | 61,8 | 87,0 | 66 900   | 63,8 | 87,6 | 65 000   |      |      |        | 28,0 |
| 30,0 | 59,1 | 85,8 | 61 000   | 61,1 | 86,5 | 59 400   | 66,1 | 87,9 | 55 500 | 30,0 |
| 32,0 | 56,2 | 84,5 | 56 100   | 58,3 | 85,3 | 54 600   | 63,4 | 86,9 | 51 000 | 32,0 |
| 34,0 | 53,3 | 83,0 | 51 800   | 55,5 | 84,0 | 50 500   | 60,7 | 85,8 | 47 100 | 34,0 |
| 36,0 | 50,2 | 81,4 | 48 100   | 52,5 | 82,5 | 46 800   | 57,9 | 84,6 | 43 600 | 36,0 |
| 38,0 | 46,9 | 79,6 | 44 800   | 49,3 | 80,8 | 43 600   | 55,0 | 83,2 | 40 600 | 38,0 |
| 40,0 | 43,5 | 77,5 | 41 900   | 46,1 | 78,9 | 40 800   | 52,0 | 81,6 | 37 900 | 40,0 |
| 42,0 | 39,9 | 75,2 | 39 200   | 42,6 | 76,8 | 38 200   | 48,8 | 79,9 | 35 500 | 42,0 |
| 44,0 | 35,9 | 72,5 | 36 800   | 38,9 | 74,4 | 35 800   | 45,5 | 78,0 | 33 300 | 44,0 |
| 46,0 | 31,5 | 69,4 | 34 700   | 34,8 | 71,6 | 33 700   | 42,0 | 75,8 | 31 300 | 46,0 |
| 48,0 | 26,4 | 65,7 | 32 700   | 30,2 | 68,4 | 31 800   | 38,2 | 73,4 | 29 500 | 48,0 |
| 50,0 | 20,1 | 60,8 | 30 600   | 24,9 | 64,4 | 30 000   | 34,1 | 70,6 | 27 800 | 50,0 |
| 52,0 |      |      |          | 18,1 | 59,1 | 28 300   | 29,4 | 67,2 | 26 300 | 52,0 |
| 54,0 |      |      |          |      |      |          | 23,9 | 63,0 | 24 900 | 54,0 |
| 56,0 |      |      |          |      |      |          | 16,7 | 57,3 | 23 600 | 56,0 |
| 58,0 |      |      |          |      |      |          |      |      |        | 58,0 |
| 60,0 |      |      |          |      |      |          |      |      |        | 60,0 |
| 62,0 |      |      |          |      |      |          |      |      |        | 62,0 |
| 64,0 |      |      |          |      |      |          |      |      |        | 64,0 |
| 66,0 |      |      |          |      |      |          |      |      |        | 66,0 |

# 16000 S-3

ANSI B30.5



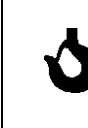
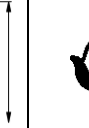
150 590 kg  
+  
54 430 kg



42,0 m

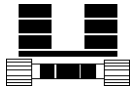
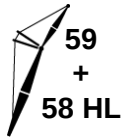


48,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                     |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 60,1                                                                                   | 84,7                                                                                   | 37 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 57,3                                                                                   | 83,4                                                                                   | 35 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 54,4                                                                                   | 82,0                                                                                   | 32 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 51,3                                                                                   | 80,4                                                                                   | 30 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 48,2                                                                                   | 78,7                                                                                   | 29 000                                                                                  | 53,6                                                                                   | 80,4                                                                                   | 26 600                                                                                  |                                                                                         |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 44,8                                                                                   | 76,7                                                                                   | 27 300                                                                                  | 50,6                                                                                   | 78,8                                                                                   | 25 000                                                                                  |                                                                                         |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 41,3                                                                                   | 74,5                                                                                   | 25 700                                                                                  | 47,4                                                                                   | 77,0                                                                                   | 23 600                                                                                  |                                                                                         |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 37,4                                                                                   | 72,0                                                                                   | 24 300                                                                                  | 44,0                                                                                   | 75,0                                                                                   | 22 200                                                                                  | 49,6                                                                                    | 76,8                                                                                     | 20 300                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 33,2                                                                                   | 69,1                                                                                   | 23 000                                                                                  | 40,3                                                                                   | 72,7                                                                                   | 21 000                                                                                  | 46,3                                                                                    | 74,9                                                                                     | 19 100                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 28,4                                                                                   | 65,6                                                                                   | 21 700                                                                                  | 36,4                                                                                   | 70,1                                                                                   | 19 900                                                                                  | 42,9                                                                                    | 72,9                                                                                     | 18 100                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 22,6                                                                                   | 61,2                                                                                   | 20 500                                                                                  | 32,1                                                                                   | 67,1                                                                                   | 18 800                                                                                  | 39,2                                                                                    | 70,5                                                                                     | 17 100                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 14,8                                                                                   | 55,0                                                                                   | 19 500                                                                                  | 27,1                                                                                   | 63,4                                                                                   | 17 800                                                                                  | 35,1                                                                                    | 67,7                                                                                     | 16 200                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 21,0                                                                                   | 58,7                                                                                   | 16 800                                                                                  | 30,6                                                                                    | 64,5                                                                                     | 15 300                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 12,1                                                                                   | 51,5                                                                                   | 15 900                                                                                  | 25,4                                                                                    | 60,6                                                                                     | 14 400                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 18,8                                                                                    | 55,5                                                                                     | 13 600                                                                                    | 66,0                                                                                     |

# 16000 S-3

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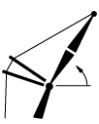
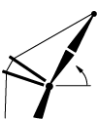
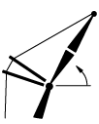
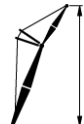
150 590 kg  
+  
54 430 kg



42,0 m

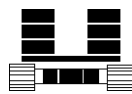
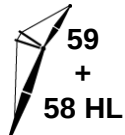


54,0 m

|      |  87°  |                                                                                        |                                                                                        |  85° |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |  |      |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      | <br>m | <br>o | <br>m | kg                                                                                    | <br>o | <br>m | kg                                                                                      | <br>o | <br>m |                                                                                     | kg   |
| 19,8 | 74,5                                                                                   | 96,9                                                                                   | 82 700 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 19,8 |
| 20,0 | 74,3                                                                                   | 96,8                                                                                   | 82 200 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 20,0 |
| 22,0 | 72,1                                                                                   | 96,2                                                                                   | 77 500 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 22,0 |
| 24,0 | 69,8                                                                                   | 95,4                                                                                   | 73 100 *                                                                               | 71,5                                                                                  | 95,9                                                                                   | 74 000 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 24,0 |
| 26,0 | 67,6                                                                                   | 94,6                                                                                   | 68 900 *                                                                               | 69,3                                                                                  | 95,1                                                                                   | 69 800                                                                                 |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 26,0 |
| 28,0 | 65,2                                                                                   | 93,7                                                                                   | 65 000 *                                                                               | 67,0                                                                                  | 94,3                                                                                   | 64 700                                                                                 |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 28,0 |
| 30,0 | 62,8                                                                                   | 92,7                                                                                   | 60 700                                                                                 | 64,6                                                                                  | 93,3                                                                                   | 58 900                                                                                 |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 30,0 |
| 32,0 | 60,4                                                                                   | 91,6                                                                                   | 55 700                                                                                 | 62,2                                                                                  | 92,3                                                                                   | 54 200                                                                                 | 66,6                                                                                    | 93,6                                                                                    | 50 400                                                                                   |                                                                                     | 32,0 |
| 34,0 | 57,9                                                                                   | 90,4                                                                                   | 51 400                                                                                 | 59,8                                                                                  | 91,2                                                                                   | 50 000                                                                                 | 64,2                                                                                    | 92,6                                                                                    | 46 500                                                                                   |                                                                                     | 34,0 |
| 36,0 | 55,4                                                                                   | 89,0                                                                                   | 47 700                                                                                 | 57,3                                                                                  | 89,9                                                                                   | 46 400                                                                                 | 61,8                                                                                    | 91,6                                                                                    | 43 100                                                                                   |                                                                                     | 36,0 |
| 38,0 | 52,7                                                                                   | 87,5                                                                                   | 44 400                                                                                 | 54,7                                                                                  | 88,5                                                                                   | 43 100                                                                                 | 59,4                                                                                    | 90,4                                                                                    | 40 100                                                                                   |                                                                                     | 38,0 |
| 40,0 | 50,0                                                                                   | 85,9                                                                                   | 41 400                                                                                 | 52,0                                                                                  | 87,0                                                                                   | 40 300                                                                                 | 56,8                                                                                    | 89,1                                                                                    | 37 400                                                                                   |                                                                                     | 40,0 |
| 42,0 | 47,1                                                                                   | 84,0                                                                                   | 38 800                                                                                 | 49,2                                                                                  | 85,3                                                                                   | 37 700                                                                                 | 54,2                                                                                    | 87,7                                                                                    | 35 000                                                                                   |                                                                                     | 42,0 |
| 44,0 | 44,1                                                                                   | 82,0                                                                                   | 36 500                                                                                 | 46,3                                                                                  | 83,4                                                                                   | 35 400                                                                                 | 51,5                                                                                    | 86,1                                                                                    | 32 800                                                                                   |                                                                                     | 44,0 |
| 46,0 | 40,9                                                                                   | 79,8                                                                                   | 34 300                                                                                 | 43,3                                                                                  | 81,3                                                                                   | 33 300                                                                                 | 48,7                                                                                    | 84,4                                                                                    | 30 800                                                                                   |                                                                                     | 46,0 |
| 48,0 | 37,5                                                                                   | 77,2                                                                                   | 32 300                                                                                 | 40,0                                                                                  | 79,0                                                                                   | 31 400                                                                                 | 45,8                                                                                    | 82,5                                                                                    | 29 000                                                                                   |                                                                                     | 48,0 |
| 50,0 | 33,7                                                                                   | 74,4                                                                                   | 30 500                                                                                 | 36,5                                                                                  | 76,4                                                                                   | 29 600                                                                                 | 42,7                                                                                    | 80,4                                                                                    | 27 400                                                                                   |                                                                                     | 50,0 |
| 52,0 | 29,6                                                                                   | 71,0                                                                                   | 28 900                                                                                 | 32,7                                                                                  | 73,4                                                                                   | 28 000                                                                                 | 39,4                                                                                    | 78,0                                                                                    | 25 900                                                                                   |                                                                                     | 52,0 |
| 54,0 | 24,8                                                                                   | 67,0                                                                                   | 27 300                                                                                 | 28,4                                                                                  | 69,9                                                                                   | 26 500                                                                                 | 35,9                                                                                    | 75,3                                                                                    | 24 500                                                                                   |                                                                                     | 54,0 |
| 56,0 | 18,9                                                                                   | 61,8                                                                                   | 25 400                                                                                 | 23,4                                                                                  | 65,6                                                                                   | 25 100                                                                                 | 32,0                                                                                    | 72,3                                                                                    | 23 200                                                                                   |                                                                                     | 56,0 |
| 58,0 |                                                                                        |                                                                                        |                                                                                        | 17,0                                                                                  | 59,9                                                                                   | 23 800                                                                                 | 27,6                                                                                    | 68,7                                                                                    | 22 000                                                                                   |                                                                                     | 58,0 |
| 60,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 22,5                                                                                    | 64,2                                                                                    | 20 800                                                                                   |                                                                                     | 60,0 |
| 62,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 15,7                                                                                    | 58,2                                                                                    | 19 800                                                                                   |                                                                                     | 62,0 |
| 64,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 64,0 |
| 66,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 66,0 |
| 68,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 68,0 |
| 70,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 70,0 |
| 72,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 72,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

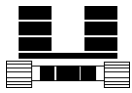
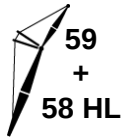


54,0 m

|      | 75°                                                                               |                                                                                   |                                                                                   | 70°                                                                               |                                                                                   |                                                                                   | 65°                                                                                 |                                                                                     |                                                                                     |      |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      |  |  |  |  |  |  |  |  |  |      |
| m    | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                   | m                                                                                   | kg                                                                                  | m    |
| 19,8 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 19,8 |
| 20,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 20,0 |
| 22,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 22,0 |
| 24,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 24,0 |
| 26,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 26,0 |
| 28,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 28,0 |
| 30,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 30,0 |
| 32,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 32,0 |
| 34,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 34,0 |
| 36,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 36,0 |
| 38,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 38,0 |
| 40,0 | 61,3                                                                              | 90,4                                                                              | 34 600                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 40,0 |
| 42,0 | 58,9                                                                              | 89,3                                                                              | 32 300                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 42,0 |
| 44,0 | 56,3                                                                              | 87,9                                                                              | 30 300                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 44,0 |
| 46,0 | 53,7                                                                              | 86,5                                                                              | 28 400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 46,0 |
| 48,0 | 51,0                                                                              | 84,9                                                                              | 26 700                                                                            | 55,7                                                                              | 86,4                                                                              | 24 500                                                                            |                                                                                     |                                                                                     |                                                                                     | 48,0 |
| 50,0 | 48,2                                                                              | 83,2                                                                              | 25 200                                                                            | 53,0                                                                              | 84,9                                                                              | 23 000                                                                            |                                                                                     |                                                                                     |                                                                                     | 50,0 |
| 52,0 | 45,2                                                                              | 81,2                                                                              | 23 800                                                                            | 50,3                                                                              | 83,3                                                                              | 21 700                                                                            |                                                                                     |                                                                                     |                                                                                     | 52,0 |
| 54,0 | 42,1                                                                              | 79,1                                                                              | 22 500                                                                            | 47,5                                                                              | 81,5                                                                              | 20 500                                                                            |                                                                                     |                                                                                     |                                                                                     | 54,0 |
| 56,0 | 38,8                                                                              | 76,6                                                                              | 21 300                                                                            | 44,5                                                                              | 79,5                                                                              | 19 300                                                                            | 49,5                                                                                | 81,3                                                                                | 17 500                                                                              | 56,0 |
| 58,0 | 35,2                                                                              | 73,9                                                                              | 20 100                                                                            | 41,3                                                                              | 77,3                                                                              | 18 300                                                                            | 46,6                                                                                | 79,4                                                                                | 16 500                                                                              | 58,0 |
| 60,0 | 31,2                                                                              | 70,7                                                                              | 19 100                                                                            | 37,9                                                                              | 74,8                                                                              | 17 300                                                                            | 43,5                                                                                | 77,4                                                                                | 15 600                                                                              | 60,0 |
| 62,0 | 26,7                                                                              | 67,0                                                                              | 18 100                                                                            | 34,2                                                                              | 72,0                                                                              | 16 400                                                                            | 40,3                                                                                | 75,1                                                                                | 14 800                                                                              | 62,0 |
| 64,0 | 21,3                                                                              | 62,3                                                                              | 17 100                                                                            | 30,1                                                                              | 68,7                                                                              | 15 500                                                                            | 36,8                                                                                | 72,5                                                                                | 13 900                                                                              | 64,0 |
| 66,0 | 13,9                                                                              | 55,7                                                                              | 16 200                                                                            | 25,5                                                                              | 64,8                                                                              | 14 700                                                                            | 33,0                                                                                | 69,5                                                                                | 13 200                                                                              | 66,0 |
| 68,0 |                                                                                   |                                                                                   |                                                                                   | 19,7                                                                              | 59,7                                                                              | 13 900                                                                            | 28,8                                                                                | 66,1                                                                                | 12 500                                                                              | 68,0 |
| 70,0 |                                                                                   |                                                                                   |                                                                                   | 11,4                                                                              | 52,1                                                                              | 13 100                                                                            | 23,9                                                                                | 61,9                                                                                | 11 800                                                                              | 70,0 |
| 72,0 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17,6                                                                                | 56,4                                                                                | 11 100                                                                              | 72,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

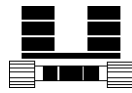
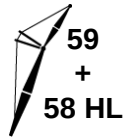


60,0 m

|      | 87°  |       |          | 85°  |       |          | 80°  |      |        |      |
|------|------|-------|----------|------|-------|----------|------|------|--------|------|
|      |      |       |          |      |       |          |      |      |        |      |
|      | m    | o     | m        | kg   | o     | m        | kg   | o    | m      | kg   |
| 21,3 | 74,6 | 102,7 | 73 500 * |      |       |          |      |      |        | 21,3 |
| 22,0 | 74,0 | 102,5 | 72 600 * |      |       |          |      |      |        | 22,0 |
| 24,0 | 71,9 | 101,8 | 69 300 * |      |       |          |      |      |        | 24,0 |
| 26,0 | 69,9 | 101,1 | 65 600 * | 71,4 | 101,5 | 66 300 * |      |      |        | 26,0 |
| 28,0 | 67,9 | 100,3 | 62 100 * | 69,4 | 100,8 | 62 800   |      |      |        | 28,0 |
| 30,0 | 65,8 | 99,4  | 58 900 * | 67,3 | 99,9  | 58 500   |      |      |        | 30,0 |
| 32,0 | 63,6 | 98,4  | 55 100   | 65,2 | 99,0  | 53 600   |      |      |        | 32,0 |
| 34,0 | 61,5 | 97,4  | 50 900   | 63,1 | 98,0  | 49 500   | 67,0 | 99,2 | 45 900 | 34,0 |
| 36,0 | 59,3 | 96,2  | 47 100   | 60,9 | 96,9  | 45 800   | 64,9 | 98,3 | 42 500 | 36,0 |
| 38,0 | 57,0 | 94,9  | 43 900   | 58,7 | 95,7  | 42 600   | 62,7 | 97,3 | 39 500 | 38,0 |
| 40,0 | 54,7 | 93,5  | 40 900   | 56,4 | 94,4  | 39 700   | 60,5 | 96,2 | 36 800 | 40,0 |
| 42,0 | 52,3 | 92,0  | 38 300   | 54,0 | 93,0  | 37 200   | 58,3 | 95,0 | 34 400 | 42,0 |
| 44,0 | 49,8 | 90,3  | 35 900   | 51,6 | 91,4  | 34 900   | 56,0 | 93,6 | 32 200 | 44,0 |
| 46,0 | 47,2 | 88,5  | 33 800   | 49,1 | 89,7  | 32 800   | 53,6 | 92,2 | 30 200 | 46,0 |
| 48,0 | 44,5 | 86,5  | 31 800   | 46,5 | 87,9  | 30 900   | 51,2 | 90,6 | 28 500 | 48,0 |
| 50,0 | 41,7 | 84,3  | 30 000   | 43,8 | 85,8  | 29 100   | 48,7 | 88,9 | 26 800 | 50,0 |
| 52,0 | 38,7 | 81,9  | 28 400   | 40,9 | 83,6  | 27 500   | 46,1 | 87,0 | 25 300 | 52,0 |
| 54,0 | 35,4 | 79,2  | 26 900   | 37,8 | 81,1  | 26 000   | 43,3 | 84,9 | 23 900 | 54,0 |
| 56,0 | 31,9 | 76,1  | 25 500   | 34,5 | 78,3  | 24 600   | 40,4 | 82,6 | 22 600 | 56,0 |
| 58,0 | 28,0 | 72,5  | 24 200   | 30,9 | 75,1  | 23 400   | 37,3 | 80,1 | 21 400 | 58,0 |
| 60,0 | 23,5 | 68,2  | 22 900   | 26,9 | 71,3  | 22 200   | 34,0 | 77,2 | 20 300 | 60,0 |
| 62,0 | 17,9 | 62,7  | 21 100 * | 22,2 | 66,8  | 21 000   | 30,3 | 73,9 | 19 300 | 62,0 |
| 64,0 | 9,3  | 53,9  | 18 300 * | 16,1 | 60,8  | 19 700   | 26,2 | 70,1 | 18 300 | 64,0 |
| 66,0 |      |       |          |      |       |          | 21,3 | 65,3 | 17 300 | 66,0 |
| 68,0 |      |       |          |      |       |          | 14,8 | 58,9 | 16 400 | 68,0 |
| 70,0 |      |       |          |      |       |          |      |      |        | 70,0 |
| 72,0 |      |       |          |      |       |          |      |      |        | 72,0 |
| 74,0 |      |       |          |      |       |          |      |      |        | 74,0 |
| 76,0 |      |       |          |      |       |          |      |      |        | 76,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

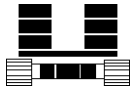
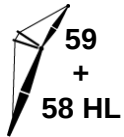


60,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 21,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 21,3                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 60,1                                                                                   | 95,1                                                                                   | 29 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 57,8                                                                                   | 93,8                                                                                   | 27 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 55,5                                                                                   | 92,5                                                                                   | 26 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 53,2                                                                                   | 91,0                                                                                   | 24 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 50,7                                                                                   | 89,4                                                                                   | 23 100                                                                                  | 55,0                                                                                   | 90,9                                                                                   | 21 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 48,2                                                                                   | 87,6                                                                                   | 21 800                                                                                  | 52,6                                                                                   | 89,4                                                                                   | 19 800                                                                                  |                                                                                          |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 45,5                                                                                   | 85,7                                                                                   | 20 600                                                                                  | 50,1                                                                                   | 87,8                                                                                   | 18 600                                                                                  |                                                                                          |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 42,7                                                                                   | 83,6                                                                                   | 19 500                                                                                  | 47,5                                                                                   | 86,0                                                                                   | 17 600                                                                                  | 51,8                                                                                     | 87,4                                                                                     | 15 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 39,8                                                                                   | 81,2                                                                                   | 18 400                                                                                  | 44,8                                                                                   | 84,0                                                                                   | 16 600                                                                                  | 49,3                                                                                     | 85,8                                                                                     | 14 800                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 36,7                                                                                   | 78,6                                                                                   | 17 500                                                                                  | 42,0                                                                                   | 81,8                                                                                   | 15 700                                                                                  | 46,7                                                                                     | 83,9                                                                                     | 14 000                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 33,3                                                                                   | 75,7                                                                                   | 16 600                                                                                  | 39,0                                                                                   | 79,4                                                                                   | 14 900                                                                                  | 44,0                                                                                     | 81,9                                                                                     | 13 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 29,5                                                                                   | 72,3                                                                                   | 15 700                                                                                  | 35,8                                                                                   | 76,8                                                                                   | 14 100                                                                                  | 41,1                                                                                     | 79,7                                                                                     | 12 500                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 25,2                                                                                   | 68,3                                                                                   | 14 900                                                                                  | 32,4                                                                                   | 73,7                                                                                   | 13 300                                                                                  | 38,1                                                                                     | 77,2                                                                                     | 11 800                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 20,1                                                                                   | 63,4                                                                                   | 14 100                                                                                  | 28,5                                                                                   | 70,2                                                                                   | 12 600                                                                                  | 34,8                                                                                     | 74,4                                                                                     | 11 100                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 13,1                                                                                   | 56,3                                                                                   | 13 400                                                                                  | 24,1                                                                                   | 66,0                                                                                   | 11 900                                                                                  | 31,2                                                                                     | 71,2                                                                                     | 10 500                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 18,7                                                                                   | 60,7                                                                                   | 11 300                                                                                  | 27,2                                                                                     | 67,5                                                                                     | 9 900                                                                                     | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 10,7                                                                                   | 52,7                                                                                   | 10 600                                                                                  | 22,6                                                                                     | 63,1                                                                                     | 9 300                                                                                     | 76,0                                                                                     |

# 16000 S-3

ANSI B30.5



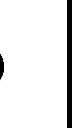
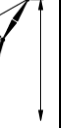
150 590 kg  
+  
54 430 kg



42,0 m

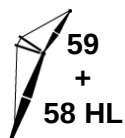


66,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 22,9                                                                                   | 74,7                                                                                   | 108,5                                                                                  | 61 700 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,9                                                                                     |
| 24,0                                                                                   | 73,6                                                                                   | 108,1                                                                                  | 61 400 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 71,8                                                                                   | 107,5                                                                                  | 60 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 70,0                                                                                   | 106,8                                                                                  | 58 700 *                                                                                | 71,3                                                                                   | 107,2                                                                                  | 59 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 68,1                                                                                   | 106,0                                                                                  | 55 800 *                                                                                | 69,5                                                                                   | 106,4                                                                                  | 56 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 66,2                                                                                   | 105,1                                                                                  | 53 100 *                                                                                | 67,6                                                                                   | 105,6                                                                                  | 53 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 64,3                                                                                   | 104,2                                                                                  | 50 300                                                                                  | 65,7                                                                                   | 104,7                                                                                  | 48 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 62,3                                                                                   | 103,1                                                                                  | 46 600                                                                                  | 63,8                                                                                   | 103,7                                                                                  | 45 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 60,3                                                                                   | 102,0                                                                                  | 43 300                                                                                  | 61,8                                                                                   | 102,7                                                                                  | 42 000                                                                                  | 65,4                                                                                   | 104,0                                                                                   | 38 800                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 58,3                                                                                   | 100,8                                                                                  | 40 400                                                                                  | 59,8                                                                                   | 101,6                                                                                  | 39 200                                                                                  | 63,5                                                                                   | 103,0                                                                                   | 36 100                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 56,2                                                                                   | 99,4                                                                                   | 37 700                                                                                  | 57,8                                                                                   | 100,3                                                                                  | 36 600                                                                                  | 61,5                                                                                   | 101,9                                                                                   | 33 700                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 54,1                                                                                   | 98,0                                                                                   | 35 400                                                                                  | 55,7                                                                                   | 98,9                                                                                   | 34 300                                                                                  | 59,5                                                                                   | 100,8                                                                                   | 31 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 51,9                                                                                   | 96,5                                                                                   | 33 200                                                                                  | 53,5                                                                                   | 97,5                                                                                   | 32 200                                                                                  | 57,4                                                                                   | 99,5                                                                                    | 29 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 49,6                                                                                   | 94,8                                                                                   | 31 300                                                                                  | 51,3                                                                                   | 95,9                                                                                   | 30 300                                                                                  | 55,3                                                                                   | 98,2                                                                                    | 27 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 47,3                                                                                   | 93,0                                                                                   | 29 500                                                                                  | 49,0                                                                                   | 94,2                                                                                   | 28 500                                                                                  | 53,2                                                                                   | 96,7                                                                                    | 26 200                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 44,9                                                                                   | 91,0                                                                                   | 27 800                                                                                  | 46,7                                                                                   | 92,4                                                                                   | 26 900                                                                                  | 50,9                                                                                   | 95,1                                                                                    | 24 700                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 42,3                                                                                   | 88,9                                                                                   | 26 400                                                                                  | 44,2                                                                                   | 90,3                                                                                   | 25 500                                                                                  | 48,6                                                                                   | 93,3                                                                                    | 23 300                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 39,6                                                                                   | 86,5                                                                                   | 24 900                                                                                  | 41,6                                                                                   | 88,1                                                                                   | 24 100                                                                                  | 46,3                                                                                   | 91,5                                                                                    | 22 100                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 36,8                                                                                   | 83,9                                                                                   | 23 700                                                                                  | 38,9                                                                                   | 85,7                                                                                   | 22 800                                                                                  | 43,8                                                                                   | 89,4                                                                                    | 20 900                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 33,7                                                                                   | 81,0                                                                                   | 22 400                                                                                  | 36,0                                                                                   | 83,0                                                                                   | 21 700                                                                                  | 41,2                                                                                   | 87,2                                                                                    | 19 700                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 30,4                                                                                   | 77,7                                                                                   | 21 300                                                                                  | 32,9                                                                                   | 80,0                                                                                   | 20 600                                                                                  | 38,4                                                                                   | 84,7                                                                                    | 18 700                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 26,6                                                                                   | 73,9                                                                                   | 20 200                                                                                  | 29,4                                                                                   | 76,6                                                                                   | 19 500                                                                                  | 35,5                                                                                   | 82,0                                                                                    | 17 700                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 22,3                                                                                   | 69,4                                                                                   | 19 100                                                                                  | 25,6                                                                                   | 72,7                                                                                   | 18 600                                                                                  | 32,3                                                                                   | 78,9                                                                                    | 16 800                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 17,0                                                                                   | 63,6                                                                                   | 17 300 *                                                                                | 21,1                                                                                   | 67,9                                                                                   | 17 600                                                                                  | 28,8                                                                                   | 75,5                                                                                    | 16 000                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 8,8                                                                                    | 54,3                                                                                   | 15 000 *                                                                                | 15,3                                                                                   | 61,5                                                                                   | 16 100                                                                                  | 24,9                                                                                   | 71,4                                                                                    | 15 100                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,2                                                                                   | 66,4                                                                                    | 14 400                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 14,1                                                                                   | 59,6                                                                                    | 13 600                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 80,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

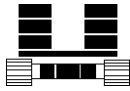
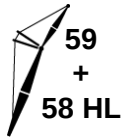


66,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | o    | m     | kg     | o    | m    | kg     |
| 22,9 |      |       |        |      |      |        |
| 24,0 |      |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 |      |       |        |      |      |        |
| 44,0 |      |       |        |      |      |        |
| 46,0 | 61,1 | 100,8 | 27 100 |      |      |        |
| 48,0 | 59,1 | 99,7  | 25 400 |      |      |        |
| 50,0 | 57,0 | 98,4  | 23 900 |      |      |        |
| 52,0 | 54,9 | 97,0  | 22 500 |      |      |        |
| 54,0 | 52,7 | 95,5  | 21 200 | 56,5 | 96,8 | 19 100 |
| 56,0 | 50,5 | 93,9  | 20 000 | 54,4 | 95,4 | 18 000 |
| 58,0 | 48,2 | 92,1  | 18 900 | 52,2 | 93,9 | 16 900 |
| 60,0 | 45,8 | 90,2  | 17 900 | 49,9 | 92,2 | 16 000 |
| 62,0 | 43,3 | 88,1  | 16 900 | 47,6 | 90,5 | 15 100 |
| 64,0 | 40,6 | 85,8  | 16 000 | 45,2 | 88,5 | 14 200 |
| 66,0 | 37,8 | 83,3  | 15 100 | 42,6 | 86,4 | 13 500 |
| 68,0 | 34,9 | 80,5  | 14 300 | 40,0 | 84,0 | 12 700 |
| 70,0 | 31,6 | 77,4  | 13 600 | 37,1 | 81,5 | 12 000 |
| 72,0 | 28,1 | 73,8  | 12 900 | 34,1 | 78,6 | 11 300 |
| 74,0 | 24,0 | 69,6  | 12 200 | 30,8 | 75,4 | 10 700 |
| 76,0 | 19,2 | 64,4  | 11 500 | 27,1 | 71,7 | 10 100 |
| 80,0 |      |       |        | 17,8 | 61,6 | 9 000  |

# 16000 S-3

ANSI B30.5



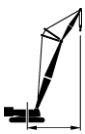
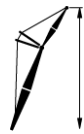
150 590 kg  
+  
54 430 kg



42,0 m

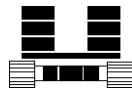
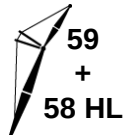


72,0 m

|      |  87° |                                                                                   |                                                                                   |  85° |                                                                                   |                                                                                   |  80° |                                                                                     |                                                                                     |  |      |
|------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      |      |  |  |      |  |  |       |  |  |                                                                                     |      |
|      | m                                                                                     | o                                                                                 | m                                                                                 | kg                                                                                    | o                                                                                 | m                                                                                 | kg                                                                                      | o                                                                                   | m                                                                                   | kg                                                                                  | m    |
| 24,4 | 74,7                                                                                  | 114,3                                                                             | 52 200 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 24,4 |
| 26,0 | 73,4                                                                                  | 113,8                                                                             | 51 700 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 26,0 |
| 28,0 | 71,7                                                                                  | 113,1                                                                             | 51 200 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 28,0 |
| 30,0 | 70,0                                                                                  | 112,4                                                                             | 50 600 *                                                                          | 71,3                                                                                  | 112,8                                                                             | 50 300 *                                                                          |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 30,0 |
| 32,0 | 68,3                                                                                  | 111,6                                                                             | 50 100 *                                                                          | 69,6                                                                                  | 112,1                                                                             | 49 800 *                                                                          |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 32,0 |
| 34,0 | 66,6                                                                                  | 110,8                                                                             | 48 200 *                                                                          | 67,9                                                                                  | 111,3                                                                             | 48 400                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 34,0 |
| 36,0 | 64,8                                                                                  | 109,8                                                                             | 45 800                                                                            | 66,1                                                                                  | 110,4                                                                             | 44 600                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 36,0 |
| 38,0 | 63,0                                                                                  | 108,8                                                                             | 42 800                                                                            | 64,4                                                                                  | 109,5                                                                             | 41 400                                                                            |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 38,0 |
| 40,0 | 61,2                                                                                  | 107,8                                                                             | 39 800                                                                            | 62,6                                                                                  | 108,4                                                                             | 38 500                                                                            | 65,8                                                                                    | 109,7                                                                               | 35 400                                                                              |                                                                                     | 40,0 |
| 42,0 | 59,4                                                                                  | 106,6                                                                             | 37 200                                                                            | 60,8                                                                                  | 107,3                                                                             | 36 000                                                                            | 64,1                                                                                    | 108,7                                                                               | 33 100                                                                              |                                                                                     | 42,0 |
| 44,0 | 57,5                                                                                  | 105,3                                                                             | 34 800                                                                            | 58,9                                                                                  | 106,1                                                                             | 33 700                                                                            | 62,3                                                                                    | 107,7                                                                               | 30 900                                                                              |                                                                                     | 44,0 |
| 46,0 | 55,6                                                                                  | 104,0                                                                             | 32 700                                                                            | 57,0                                                                                  | 104,8                                                                             | 31 600                                                                            | 60,4                                                                                    | 106,6                                                                               | 28 900                                                                              |                                                                                     | 46,0 |
| 48,0 | 53,6                                                                                  | 102,5                                                                             | 30 700                                                                            | 55,1                                                                                  | 103,5                                                                             | 29 700                                                                            | 58,6                                                                                    | 105,4                                                                               | 27 200                                                                              |                                                                                     | 48,0 |
| 50,0 | 51,6                                                                                  | 101,0                                                                             | 28 900                                                                            | 53,1                                                                                  | 102,0                                                                             | 28 000                                                                            | 56,7                                                                                    | 104,1                                                                               | 25 500                                                                              |                                                                                     | 50,0 |
| 52,0 | 49,5                                                                                  | 99,3                                                                              | 27 300                                                                            | 51,1                                                                                  | 100,4                                                                             | 26 300                                                                            | 54,7                                                                                    | 102,7                                                                               | 24 000                                                                              |                                                                                     | 52,0 |
| 54,0 | 47,4                                                                                  | 97,5                                                                              | 25 800                                                                            | 49,0                                                                                  | 98,7                                                                              | 24 900                                                                            | 52,8                                                                                    | 101,2                                                                               | 22 600                                                                              |                                                                                     | 54,0 |
| 56,0 | 45,1                                                                                  | 95,5                                                                              | 24 400                                                                            | 46,8                                                                                  | 96,8                                                                              | 23 500                                                                            | 50,7                                                                                    | 99,6                                                                                | 21 400                                                                              |                                                                                     | 56,0 |
| 58,0 | 42,8                                                                                  | 93,4                                                                              | 23 100                                                                            | 44,5                                                                                  | 94,8                                                                              | 22 300                                                                            | 48,6                                                                                    | 97,8                                                                                | 20 200                                                                              |                                                                                     | 58,0 |
| 60,0 | 40,4                                                                                  | 91,1                                                                              | 21 900                                                                            | 42,2                                                                                  | 92,7                                                                              | 21 100                                                                            | 46,4                                                                                    | 95,9                                                                                | 19 100                                                                              |                                                                                     | 60,0 |
| 62,0 | 37,8                                                                                  | 88,6                                                                              | 20 700                                                                            | 39,7                                                                                  | 90,3                                                                              | 20 000                                                                            | 44,2                                                                                    | 93,9                                                                                | 18 100                                                                              |                                                                                     | 62,0 |
| 64,0 | 35,1                                                                                  | 85,8                                                                              | 19 700                                                                            | 37,1                                                                                  | 87,7                                                                              | 19 000                                                                            | 41,8                                                                                    | 91,7                                                                                | 17 100                                                                              |                                                                                     | 64,0 |
| 66,0 | 32,2                                                                                  | 82,7                                                                              | 18 700                                                                            | 34,4                                                                                  | 84,9                                                                              | 18 000                                                                            | 39,3                                                                                    | 89,3                                                                                | 16 200                                                                              |                                                                                     | 66,0 |
| 68,0 | 29,0                                                                                  | 79,3                                                                              | 17 800                                                                            | 31,4                                                                                  | 81,7                                                                              | 17 100                                                                            | 36,7                                                                                    | 86,7                                                                                | 15 400                                                                              |                                                                                     | 68,0 |
| 70,0 | 25,5                                                                                  | 75,3                                                                              | 16 900                                                                            | 28,1                                                                                  | 78,1                                                                              | 16 200                                                                            | 33,9                                                                                    | 83,8                                                                                | 14 600                                                                              |                                                                                     | 70,0 |
| 72,0 | 21,4                                                                                  | 70,5                                                                              | 15 700 *                                                                          | 24,5                                                                                  | 74,0                                                                              | 15 400                                                                            | 30,9                                                                                    | 80,6                                                                                | 13 800                                                                              |                                                                                     | 72,0 |
| 74,0 | 16,2                                                                                  | 64,4                                                                              | 13 900 *                                                                          | 20,1                                                                                  | 68,9                                                                              | 14 500                                                                            | 27,5                                                                                    | 76,9                                                                                | 13 100                                                                              |                                                                                     | 74,0 |
| 76,0 | 8,4                                                                                   | 54,7                                                                              | 12 000 *                                                                          | 14,6                                                                                  | 62,3                                                                              | 13 000 *                                                                          | 23,8                                                                                    | 72,6                                                                                | 12 400                                                                              |                                                                                     | 76,0 |
| 80,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 80,0 |
| 84,0 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     | 84,0 |

# 16000 S-3

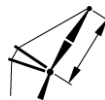
ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m

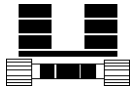
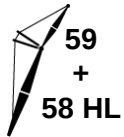


72,0 m

|      | 75°                                                                               |                                                                                   |                                                                                   |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|      |  |  |  |
|      | m                                                                                 | o                                                                                 | kg                                                                                |
| 24,4 |                                                                                   |                                                                                   |                                                                                   |
| 26,0 |                                                                                   |                                                                                   |                                                                                   |
| 28,0 |                                                                                   |                                                                                   |                                                                                   |
| 30,0 |                                                                                   |                                                                                   |                                                                                   |
| 32,0 |                                                                                   |                                                                                   |                                                                                   |
| 34,0 |                                                                                   |                                                                                   |                                                                                   |
| 36,0 |                                                                                   |                                                                                   |                                                                                   |
| 38,0 |                                                                                   |                                                                                   |                                                                                   |
| 40,0 |                                                                                   |                                                                                   |                                                                                   |
| 42,0 |                                                                                   |                                                                                   |                                                                                   |
| 44,0 |                                                                                   |                                                                                   |                                                                                   |
| 46,0 |                                                                                   |                                                                                   |                                                                                   |
| 48,0 | 61,9                                                                              | 106,6                                                                             | 24 700                                                                            |
| 50,0 | 60,1                                                                              | 105,4                                                                             | 23 100                                                                            |
| 52,0 | 58,2                                                                              | 104,2                                                                             | 21 700                                                                            |
| 54,0 | 56,3                                                                              | 102,9                                                                             | 20 500                                                                            |
| 56,0 | 54,3                                                                              | 101,5                                                                             | 19 300                                                                            |
| 58,0 | 52,3                                                                              | 100,0                                                                             | 18 200                                                                            |
| 60,0 | 50,3                                                                              | 98,3                                                                              | 17 100                                                                            |
| 62,0 | 48,2                                                                              | 96,6                                                                              | 16 200                                                                            |
| 64,0 | 46,0                                                                              | 94,7                                                                              | 15 300                                                                            |
| 66,0 | 43,7                                                                              | 92,6                                                                              | 14 500                                                                            |
| 68,0 | 41,3                                                                              | 90,4                                                                              | 13 700                                                                            |
| 70,0 | 38,8                                                                              | 87,9                                                                              | 12 900                                                                            |
| 72,0 | 36,1                                                                              | 85,3                                                                              | 12 200                                                                            |
| 74,0 | 33,3                                                                              | 82,3                                                                              | 11 600                                                                            |
| 76,0 | 30,2                                                                              | 79,0                                                                              | 10 900                                                                            |
| 80,0 | 23,0                                                                              | 70,8                                                                              | 9 800                                                                             |
| 84,0 | 11,9                                                                              | 57,6                                                                              | 8 700                                                                             |

# 16000 S-3

ANSI B30.5



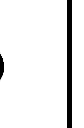
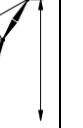
150 590 kg  
+  
54 430 kg



42,0 m



78,0 m

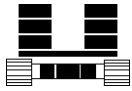
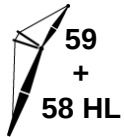
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 25,9                                                                                   | 74,8                                                                                   | 120,1                                                                                  | 44 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 25,9                                                                                     |
| 26,0                                                                                   | 74,7                                                                                   | 120,1                                                                                  | 44 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 73,2                                                                                   | 119,5                                                                                  | 44 200 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 71,6                                                                                   | 118,8                                                                                  | 43 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 70,1                                                                                   | 118,1                                                                                  | 43 300 *                                                                                | 71,2                                                                                   | 118,5                                                                                  | 43 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 68,5                                                                                   | 117,3                                                                                  | 42 900 *                                                                                | 69,6                                                                                   | 117,7                                                                                  | 42 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 66,9                                                                                   | 116,5                                                                                  | 42 500 *                                                                                | 68,1                                                                                   | 116,9                                                                                  | 42 400 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 65,3                                                                                   | 115,6                                                                                  | 41 700 *                                                                                | 66,5                                                                                   | 116,1                                                                                  | 40 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 63,6                                                                                   | 114,6                                                                                  | 39 300                                                                                  | 64,8                                                                                   | 115,2                                                                                  | 38 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 62,0                                                                                   | 113,5                                                                                  | 36 600                                                                                  | 63,2                                                                                   | 114,2                                                                                  | 35 400                                                                                  | 66,2                                                                                   | 115,4                                                                                   | 32 500                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 60,3                                                                                   | 112,4                                                                                  | 34 300                                                                                  | 61,5                                                                                   | 113,1                                                                                  | 33 100                                                                                  | 64,6                                                                                   | 114,4                                                                                   | 30 300                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 58,6                                                                                   | 111,2                                                                                  | 32 100                                                                                  | 59,8                                                                                   | 111,9                                                                                  | 31 100                                                                                  | 62,9                                                                                   | 113,4                                                                                   | 28 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 56,8                                                                                   | 109,9                                                                                  | 30 200                                                                                  | 58,1                                                                                   | 110,7                                                                                  | 29 200                                                                                  | 61,3                                                                                   | 112,3                                                                                   | 26 600                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 55,0                                                                                   | 108,5                                                                                  | 28 400                                                                                  | 56,4                                                                                   | 109,4                                                                                  | 27 400                                                                                  | 59,6                                                                                   | 111,2                                                                                   | 25 000                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 53,2                                                                                   | 107,0                                                                                  | 26 800                                                                                  | 54,6                                                                                   | 108,0                                                                                  | 25 800                                                                                  | 57,8                                                                                   | 109,9                                                                                   | 23 500                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 51,3                                                                                   | 105,4                                                                                  | 25 300                                                                                  | 52,7                                                                                   | 106,5                                                                                  | 24 400                                                                                  | 56,1                                                                                   | 108,6                                                                                   | 22 100                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 49,4                                                                                   | 103,7                                                                                  | 23 900                                                                                  | 50,8                                                                                   | 104,9                                                                                  | 23 000                                                                                  | 54,3                                                                                   | 107,2                                                                                   | 20 800                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 47,4                                                                                   | 101,9                                                                                  | 22 600                                                                                  | 48,9                                                                                   | 103,2                                                                                  | 21 800                                                                                  | 52,4                                                                                   | 105,7                                                                                   | 19 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 45,4                                                                                   | 100,0                                                                                  | 21 400                                                                                  | 46,9                                                                                   | 101,3                                                                                  | 20 600                                                                                  | 50,5                                                                                   | 104,0                                                                                   | 18 600                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 43,3                                                                                   | 97,9                                                                                   | 20 300                                                                                  | 44,8                                                                                   | 99,3                                                                                   | 19 500                                                                                  | 48,6                                                                                   | 102,3                                                                                   | 17 500                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 41,0                                                                                   | 95,7                                                                                   | 19 200                                                                                  | 42,7                                                                                   | 97,2                                                                                   | 18 500                                                                                  | 46,6                                                                                   | 100,4                                                                                   | 16 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 38,7                                                                                   | 93,2                                                                                   | 18 200                                                                                  | 40,5                                                                                   | 94,9                                                                                   | 17 500                                                                                  | 44,5                                                                                   | 98,4                                                                                    | 15 700                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 36,3                                                                                   | 90,6                                                                                   | 17 300                                                                                  | 38,1                                                                                   | 92,4                                                                                   | 16 600                                                                                  | 42,3                                                                                   | 96,3                                                                                    | 14 800                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 33,7                                                                                   | 87,6                                                                                   | 16 500                                                                                  | 35,6                                                                                   | 89,7                                                                                   | 15 800                                                                                  | 40,1                                                                                   | 93,9                                                                                    | 14 100                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 30,9                                                                                   | 84,4                                                                                   | 15 600                                                                                  | 33,0                                                                                   | 86,7                                                                                   | 15 000                                                                                  | 37,7                                                                                   | 91,4                                                                                    | 13 300                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 27,8                                                                                   | 80,7                                                                                   | 14 800                                                                                  | 30,1                                                                                   | 83,3                                                                                   | 14 200                                                                                  | 35,2                                                                                   | 88,6                                                                                    | 12 600                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 24,4                                                                                   | 76,6                                                                                   | 13 800                                                                                  | 27,0                                                                                   | 79,6                                                                                   | 13 500                                                                                  | 32,5                                                                                   | 85,6                                                                                    | 11 900                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 15,6                                                                                   | 65,2                                                                                   | 10 900 *                                                                                | 19,3                                                                                   | 70,0                                                                                   | 11 600 *                                                                                | 26,4                                                                                   | 78,3                                                                                    | 10 700                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 18,5                                                                                   | 68,4                                                                                    | 9 500                                                                                     | 84,0                                                                                     |



REFERENCE  
ONLY!

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



42,0 m



84,0 m

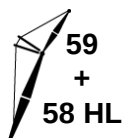
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                     |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 27,4                                                                                   | 74,8                                                                                   | 125,9                                                                                  | 38 100 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 27,4                                                                                     |
| 28,0                                                                                   | 74,4                                                                                   | 125,7                                                                                  | 37 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 73,0                                                                                   | 125,1                                                                                  | 37 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 71,5                                                                                   | 124,4                                                                                  | 37 100 *                                                                                | 72,6                                                                                   | 124,8                                                                                  | 36 900 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 70,1                                                                                   | 123,7                                                                                  | 36 700 *                                                                                | 71,2                                                                                   | 124,1                                                                                  | 36 600 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 68,6                                                                                   | 123,0                                                                                  | 36 300 *                                                                                | 69,7                                                                                   | 123,4                                                                                  | 36 200 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 67,2                                                                                   | 122,1                                                                                  | 35 800 *                                                                                | 68,2                                                                                   | 122,6                                                                                  | 35 800 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 65,7                                                                                   | 121,2                                                                                  | 35 400 *                                                                                | 66,8                                                                                   | 121,8                                                                                  | 35 400 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 64,1                                                                                   | 120,3                                                                                  | 35 000 *                                                                                | 65,3                                                                                   | 120,8                                                                                  | 34 700                                                                                  |                                                                                         |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 62,6                                                                                   | 119,2                                                                                  | 33 800                                                                                  | 63,7                                                                                   | 119,9                                                                                  | 32 600                                                                                  | 66,5                                                                                    | 121,1                                                                                    | 29 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 61,1                                                                                   | 118,2                                                                                  | 31 600                                                                                  | 62,2                                                                                   | 118,8                                                                                  | 30 500                                                                                  | 65,0                                                                                    | 120,1                                                                                    | 27 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 59,5                                                                                   | 117,0                                                                                  | 29 600                                                                                  | 60,6                                                                                   | 117,7                                                                                  | 28 600                                                                                  | 63,5                                                                                    | 119,1                                                                                    | 25 900                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 57,9                                                                                   | 115,7                                                                                  | 27 900                                                                                  | 59,1                                                                                   | 116,5                                                                                  | 26 800                                                                                  | 61,9                                                                                    | 118,1                                                                                    | 24 300                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 56,2                                                                                   | 114,4                                                                                  | 26 200                                                                                  | 57,4                                                                                   | 115,3                                                                                  | 25 300                                                                                  | 60,4                                                                                    | 117,0                                                                                    | 22 800                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 54,6                                                                                   | 113,0                                                                                  | 24 700                                                                                  | 55,8                                                                                   | 113,9                                                                                  | 23 800                                                                                  | 58,8                                                                                    | 115,8                                                                                    | 21 500                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 52,9                                                                                   | 111,5                                                                                  | 23 300                                                                                  | 54,1                                                                                   | 112,5                                                                                  | 22 400                                                                                  | 57,2                                                                                    | 114,5                                                                                    | 20 200                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 51,1                                                                                   | 109,9                                                                                  | 22 000                                                                                  | 52,4                                                                                   | 111,0                                                                                  | 21 200                                                                                  | 55,5                                                                                    | 113,1                                                                                    | 19 000                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 49,3                                                                                   | 108,2                                                                                  | 20 800                                                                                  | 50,7                                                                                   | 109,3                                                                                  | 20 000                                                                                  | 53,8                                                                                    | 111,7                                                                                    | 17 900                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 47,5                                                                                   | 106,4                                                                                  | 19 700                                                                                  | 48,9                                                                                   | 107,6                                                                                  | 18 900                                                                                  | 52,1                                                                                    | 110,1                                                                                    | 16 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 45,6                                                                                   | 104,5                                                                                  | 18 600                                                                                  | 47,0                                                                                   | 105,8                                                                                  | 17 900                                                                                  | 50,4                                                                                    | 108,5                                                                                    | 16 000                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 43,6                                                                                   | 102,4                                                                                  | 17 700                                                                                  | 45,1                                                                                   | 103,8                                                                                  | 16 900                                                                                  | 48,5                                                                                    | 106,8                                                                                    | 15 100                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 41,6                                                                                   | 100,2                                                                                  | 16 800                                                                                  | 43,1                                                                                   | 101,7                                                                                  | 16 000                                                                                  | 46,7                                                                                    | 104,9                                                                                    | 14 200                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 39,5                                                                                   | 97,8                                                                                   | 15 900                                                                                  | 41,0                                                                                   | 99,5                                                                                   | 15 200                                                                                  | 44,8                                                                                    | 102,9                                                                                    | 13 400                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 37,2                                                                                   | 95,2                                                                                   | 15 100                                                                                  | 38,9                                                                                   | 97,0                                                                                   | 14 400                                                                                  | 42,8                                                                                    | 100,8                                                                                    | 12 700                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 34,9                                                                                   | 92,4                                                                                   | 14 300                                                                                  | 36,6                                                                                   | 94,4                                                                                   | 13 600                                                                                  | 40,7                                                                                    | 98,5                                                                                     | 12 000                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 32,4                                                                                   | 89,4                                                                                   | 13 500                                                                                  | 34,3                                                                                   | 91,5                                                                                   | 12 900                                                                                  | 38,5                                                                                    | 96,0                                                                                     | 11 300                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 26,8                                                                                   | 82,2                                                                                   | 12 100                                                                                  | 29,0                                                                                   | 84,9                                                                                   | 11 600                                                                                  | 33,8                                                                                    | 90,5                                                                                     | 10 100                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   | 19,7                                                                                   | 72,6                                                                                   | 9 600 *                                                                                 | 22,6                                                                                   | 76,4                                                                                   | 10 100 *                                                                                | 28,5                                                                                    | 83,7                                                                                     | 9 000                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   | 7,7                                                                                    | 55,5                                                                                   | 6 800 *                                                                                 | 13,5                                                                                   | 63,7                                                                                   | 7 600 *                                                                                 | 21,9                                                                                    | 75,0                                                                                     | 8 000                                                                                     | 88,0                                                                                     |



REFERENCE  
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# 16000 S-3

ANSI B30.5



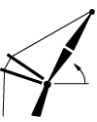
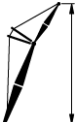
150 590 kg  
+  
54 430 kg



48,0 m

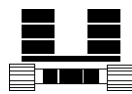
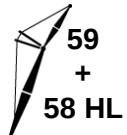


24,0 m

|      |  87° |                                                                                     |                                                                                     |  85° |                                                                                     |                                                                                     |  80° |                                                                                       |                                                                                       |  |                                                                                        |
|------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|
|      |  m   |  o |  m |  kg  |  o |  m |  kg    |  o |  m |  |  kg |
| 12,2 | 74,4                                                                                  | 73,9                                                                                | 145 200 *d                                                                          |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 12,2                                                                                   |
| 14,0 | 69,8                                                                                  | 73,3                                                                                | 132 300 *c                                                                          |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 14,0                                                                                   |
| 16,0 | 64,5                                                                                  | 72,3                                                                                | 119 700 *b                                                                          | 69,0                                                                                  | 73,0                                                                                | 123 300 *c                                                                          |                                                                                         |                                                                                       |                                                                                       |  | 16,0                                                                                   |
| 18,0 | 59,0                                                                                  | 71,2                                                                                | 108 600 *b                                                                          | 63,7                                                                                  | 72,0                                                                                | 111 800 *b                                                                          |                                                                                         |                                                                                       |                                                                                       |  | 18,0                                                                                   |
| 20,0 | 53,1                                                                                  | 69,7                                                                                | 98 900 *                                                                            | 58,1                                                                                  | 70,8                                                                                | 101 600 b                                                                           |                                                                                         |                                                                                       |                                                                                       |  | 20,0                                                                                   |
| 22,0 | 46,7                                                                                  | 67,9                                                                                | 90 000 *                                                                            | 52,2                                                                                  | 69,3                                                                                | 90 300                                                                              | 64,2                                                                                    | 71,5                                                                                  | 84 400 b                                                                              |  | 22,0                                                                                   |
| 24,0 | 39,5                                                                                  | 65,7                                                                                | 81 900 *                                                                            | 45,6                                                                                  | 67,5                                                                                | 80 600                                                                              | 58,6                                                                                    | 70,3                                                                                  | 75 300 b                                                                              |  | 24,0                                                                                   |
| 26,0 | 30,7                                                                                  | 62,6                                                                                | 72 900 *                                                                            | 38,2                                                                                  | 65,1                                                                                | 72 700                                                                              | 52,7                                                                                    | 68,9                                                                                  | 67 900                                                                                |  | 26,0                                                                                   |
| 28,0 | 18,3                                                                                  | 57,8                                                                                | 63 300 *                                                                            | 29,1                                                                                  | 61,9                                                                                | 66 100                                                                              | 46,3                                                                                    | 67,0                                                                                  | 61 700                                                                                |  | 28,0                                                                                   |
| 30,0 |                                                                                       |                                                                                     |                                                                                     | 15,4                                                                                  | 56,5                                                                                | 58 600                                                                              | 38,9                                                                                    | 64,7                                                                                  | 56 500                                                                                |  | 30,0                                                                                   |
| 32,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     | 30,1                                                                                    | 61,6                                                                                  | 51 900                                                                                |  | 32,0                                                                                   |
| 34,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 34,0                                                                                   |
| 36,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 36,0                                                                                   |
| 38,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 38,0                                                                                   |
| 40,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 40,0                                                                                   |
| 42,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 42,0                                                                                   |
| 44,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                       |                                                                                     |                                                                                     |                                                                                         |                                                                                       |                                                                                       |  | 44,0                                                                                   |

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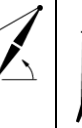
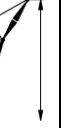
150 590 kg  
+  
54 430 kg



48,0 m

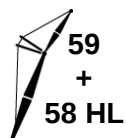


24,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 12,2                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 12,2                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 59,0                                                                                   | 69,4                                                                                   | 57 400 <b>b</b>                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 53,1                                                                                   | 67,9                                                                                   | 52 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 46,6                                                                                   | 66,2                                                                                   | 48 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 39,4                                                                                   | 63,9                                                                                   | 44 600                                                                                  | 53,1                                                                                   | 66,6                                                                                   | 41 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 30,6                                                                                   | 60,8                                                                                   | 41 400                                                                                  | 46,7                                                                                   | 64,8                                                                                   | 38 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 18,1                                                                                   | 56,0                                                                                   | 38 400                                                                                  | 39,4                                                                                   | 62,5                                                                                   | 35 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 30,7                                                                                   | 59,5                                                                                   | 33 200                                                                                  | 46,2                                                                                   | 63,0                                                                                    | 30 500                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 18,2                                                                                   | 54,6                                                                                   | 30 900                                                                                  | 38,9                                                                                   | 60,7                                                                                    | 28 500                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 30,0                                                                                   | 57,5                                                                                    | 26 700                                                                                    | 44,0                                                                                     |

# 16000 S-3

ANSI B30.5



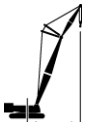
150 590 kg  
+  
54 430 kg



48,0 m

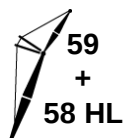


30,0 m

|                                                                                     |  87° |                                                                                     |                                                                                      |  85° |                                                                                     |                                                                                      |  80° |                                                                                       |                                                                                        |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  m |  o   |  m |  kg |  o   |  m |  kg |  o   |  m |  kg |  m |
| 13,7                                                                                | 74,6                                                                                  | 79,7                                                                                | 126 500 *c                                                                           |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 13,7                                                                                  |
| 14,0                                                                                | 74,0                                                                                  | 79,6                                                                                | 125 000 *c                                                                           |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 14,0                                                                                  |
| 16,0                                                                                | 69,9                                                                                  | 78,9                                                                                | 114 300 *b                                                                           |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 16,0                                                                                  |
| 18,0                                                                                | 65,8                                                                                  | 78,1                                                                                | 104 800 *b                                                                           | 69,3                                                                                  | 78,7                                                                                | 107 300 *b                                                                           |                                                                                         |                                                                                       |                                                                                        | 18,0                                                                                  |
| 20,0                                                                                | 61,5                                                                                  | 77,0                                                                                | 96 300 *                                                                             | 65,1                                                                                  | 77,7                                                                                | 98 500 *b                                                                            |                                                                                         |                                                                                       |                                                                                        | 20,0                                                                                  |
| 22,0                                                                                | 56,9                                                                                  | 75,7                                                                                | 88 600 *                                                                             | 60,8                                                                                  | 76,7                                                                                | 90 000                                                                               |                                                                                         |                                                                                       |                                                                                        | 22,0                                                                                  |
| 24,0                                                                                | 52,2                                                                                  | 74,2                                                                                | 81 600 *                                                                             | 56,2                                                                                  | 75,4                                                                                | 80 400                                                                               | 65,5                                                                                    | 77,2                                                                                  | 75 000 b                                                                               | 24,0                                                                                  |
| 26,0                                                                                | 47,0                                                                                  | 72,4                                                                                | 74 600                                                                               | 51,4                                                                                  | 73,8                                                                                | 72 600                                                                               | 61,2                                                                                    | 76,1                                                                                  | 67 500                                                                                 | 26,0                                                                                  |
| 28,0                                                                                | 41,4                                                                                  | 70,3                                                                                | 67 800                                                                               | 46,2                                                                                  | 72,0                                                                                | 66 000                                                                               | 56,6                                                                                    | 74,9                                                                                  | 61 400                                                                                 | 28,0                                                                                  |
| 30,0                                                                                | 35,0                                                                                  | 67,6                                                                                | 62 100                                                                               | 40,4                                                                                  | 69,7                                                                                | 60 400                                                                               | 51,8                                                                                    | 73,3                                                                                  | 56 200                                                                                 | 30,0                                                                                  |
| 32,0                                                                                | 27,3                                                                                  | 64,1                                                                                | 56 600                                                                               | 33,9                                                                                  | 66,9                                                                                | 55 600                                                                               | 46,7                                                                                    | 71,5                                                                                  | 51 800                                                                                 | 32,0                                                                                  |
| 34,0                                                                                |                                                                                       |                                                                                     |                                                                                      | 25,8                                                                                  | 63,2                                                                                | 51 300                                                                               | 41,0                                                                                    | 69,3                                                                                  | 47 800                                                                                 | 34,0                                                                                  |
| 36,0                                                                                |                                                                                       |                                                                                     |                                                                                      | 13,6                                                                                  | 57,2                                                                                | 46 200                                                                               | 34,5                                                                                    | 66,6                                                                                  | 44 400                                                                                 | 36,0                                                                                  |
| 38,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 26,7                                                                                    | 63,0                                                                                  | 41 300                                                                                 | 38,0                                                                                  |
| 40,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 40,0                                                                                  |
| 42,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 42,0                                                                                  |
| 44,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 44,0                                                                                  |
| 46,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 46,0                                                                                  |
| 48,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 48,0                                                                                  |
| 50,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 50,0                                                                                  |

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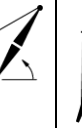
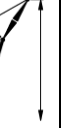
150 590 kg  
+  
54 430 kg



48,0 m

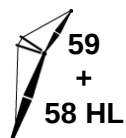


30,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 13,7                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 56,9                                                                                   | 73,9                                                                                   | 47 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 52,1                                                                                   | 72,4                                                                                   | 44 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 47,0                                                                                   | 70,6                                                                                   | 41 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 41,3                                                                                   | 68,5                                                                                   | 38 200                                                                                  | 52,1                                                                                   | 71,1                                                                                   | 35 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 34,9                                                                                   | 65,8                                                                                   | 35 700                                                                                  | 47,0                                                                                   | 69,3                                                                                   | 32 800                                                                                  |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 27,2                                                                                   | 62,2                                                                                   | 33 400                                                                                  | 41,3                                                                                   | 67,1                                                                                   | 30 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 16,0                                                                                   | 56,8                                                                                   | 31 300                                                                                  | 34,9                                                                                   | 64,4                                                                                   | 28 800                                                                                  | 46,6                                                                                   | 67,5                                                                                    | 26 300                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 27,2                                                                                   | 60,9                                                                                   | 27 000                                                                                  | 41,0                                                                                   | 65,3                                                                                    | 24 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 16,1                                                                                   | 55,5                                                                                   | 25 400                                                                                  | 34,5                                                                                   | 62,5                                                                                    | 23 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 26,6                                                                                   | 59,0                                                                                    | 21 800                                                                                    | 50,0                                                                                     |

# 16000 S-3

ANSI B30.5



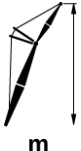
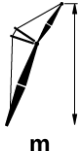
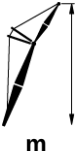
150 590 kg  
+  
54 430 kg



48,0 m

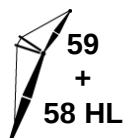


36,0 m

|  | 87°                                                                               |                                                                                   |                                                                                   |  | 85°                                                                               |                                                                                   |                                                                                   |  | 80°                                                                                 |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |  |  |  |                                                                                   |  |  |  |                                                                                     |  |  |  |                                                                                     |
| m                                                                                 | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                 | m                                                                                   | kg                                                                                  | m                                                                                   |                                                                                     |                                                                                     |
| 15,2                                                                              | 74,7                                                                              | 85,5                                                                              | 111 700 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 15,2                                                                                |                                                                                     |                                                                                     |
| 16,0                                                                              | 73,4                                                                              | 85,3                                                                              | 108 400 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 16,0                                                                                |                                                                                     |                                                                                     |
| 18,0                                                                              | 70,0                                                                              | 84,6                                                                              | 100 200 *b                                                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 18,0                                                                                |                                                                                     |                                                                                     |
| 20,0                                                                              | 66,6                                                                              | 83,7                                                                              | 92 700 *                                                                          | 69,5                                                                              | 84,3                                                                              | 94 300 *b                                                                         |                                                                                   |                                                                                     |                                                                                     | 20,0                                                                                |                                                                                     |                                                                                     |
| 22,0                                                                              | 63,0                                                                              | 82,7                                                                              | 85 900 *                                                                          | 66,0                                                                              | 83,4                                                                              | 87 400 *                                                                          |                                                                                   |                                                                                     |                                                                                     | 22,0                                                                                |                                                                                     |                                                                                     |
| 24,0                                                                              | 59,4                                                                              | 81,6                                                                              | 79 700 *                                                                          | 62,5                                                                              | 82,4                                                                              | 80 000                                                                            |                                                                                   |                                                                                     |                                                                                     | 24,0                                                                                |                                                                                     |                                                                                     |
| 26,0                                                                              | 55,5                                                                              | 80,2                                                                              | 74 000                                                                            | 58,8                                                                              | 81,2                                                                              | 72 100                                                                            | 66,4                                                                              | 82,9                                                                                | 66 900                                                                              | 26,0                                                                                |                                                                                     |                                                                                     |
| 28,0                                                                              | 51,5                                                                              | 78,7                                                                              | 67 500                                                                            | 54,9                                                                              | 79,9                                                                              | 65 600                                                                            | 62,8                                                                              | 81,9                                                                                | 60 800                                                                              | 28,0                                                                                |                                                                                     |                                                                                     |
| 30,0                                                                              | 47,2                                                                              | 76,9                                                                              | 61 700                                                                            | 50,8                                                                              | 78,3                                                                              | 60 000                                                                            | 59,1                                                                              | 80,7                                                                                | 55 600                                                                              | 30,0                                                                                |                                                                                     |                                                                                     |
| 32,0                                                                              | 42,6                                                                              | 74,8                                                                              | 56 800                                                                            | 46,5                                                                              | 76,4                                                                              | 55 200                                                                            | 55,3                                                                              | 79,4                                                                                | 51 200                                                                              | 32,0                                                                                |                                                                                     |                                                                                     |
| 34,0                                                                              | 37,5                                                                              | 72,3                                                                              | 52 600                                                                            | 41,8                                                                              | 74,3                                                                              | 51 000                                                                            | 51,2                                                                              | 77,8                                                                                | 47 300                                                                              | 34,0                                                                                |                                                                                     |                                                                                     |
| 36,0                                                                              | 31,7                                                                              | 69,3                                                                              | 48 800                                                                            | 36,7                                                                              | 71,7                                                                              | 47 400                                                                            | 46,9                                                                              | 76,0                                                                                | 43 900                                                                              | 36,0                                                                                |                                                                                     |                                                                                     |
| 38,0                                                                              | 24,7                                                                              | 65,3                                                                              | 45 300                                                                            | 30,7                                                                              | 68,6                                                                              | 44 100                                                                            | 42,3                                                                              | 73,9                                                                                | 40 900                                                                              | 38,0                                                                                |                                                                                     |                                                                                     |
| 40,0                                                                              |                                                                                   |                                                                                   |                                                                                   | 23,4                                                                              | 64,5                                                                              | 41 200                                                                            | 37,2                                                                              | 71,4                                                                                | 38 200                                                                              | 40,0                                                                                |                                                                                     |                                                                                     |
| 42,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 31,3                                                                              | 68,3                                                                                | 35 800                                                                              | 42,0                                                                                |                                                                                     |                                                                                     |
| 44,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24,2                                                                              | 64,3                                                                                | 33 500                                                                              | 44,0                                                                                |                                                                                     |                                                                                     |
| 46,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 46,0                                                                                |                                                                                     |                                                                                     |
| 48,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 48,0                                                                                |                                                                                     |                                                                                     |
| 50,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 50,0                                                                                |                                                                                     |                                                                                     |
| 52,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 52,0                                                                                |                                                                                     |                                                                                     |
| 54,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 54,0                                                                                |                                                                                     |                                                                                     |
| 56,0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 56,0                                                                                |                                                                                     |                                                                                     |

# 16000 S-3

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150 590 kg  
+  
54 430 kg



48,0 m

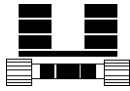
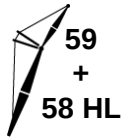


36,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 15,2                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 63,0                                                                                   | 80,9                                                                                   | 47 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 59,3                                                                                   | 79,8                                                                                   | 43 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 55,5                                                                                   | 78,5                                                                                   | 40 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 51,4                                                                                   | 76,9                                                                                   | 37 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 47,2                                                                                   | 75,1                                                                                   | 35 100                                                                                  | 55,5                                                                                   | 77,1                                                                                   | 32 100                                                                                  |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 42,6                                                                                   | 73,0                                                                                   | 32 900                                                                                  | 51,5                                                                                   | 75,6                                                                                   | 30 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 37,5                                                                                   | 70,5                                                                                   | 30 800                                                                                  | 47,2                                                                                   | 73,8                                                                                   | 28 100                                                                                  |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 31,7                                                                                   | 67,5                                                                                   | 29 000                                                                                  | 42,6                                                                                   | 71,7                                                                                   | 26 400                                                                                  | 51,2                                                                                     | 73,8                                                                                     | 23 900                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 24,6                                                                                   | 63,5                                                                                   | 27 300                                                                                  | 37,5                                                                                   | 69,2                                                                                   | 24 900                                                                                  | 46,9                                                                                     | 72,0                                                                                     | 22 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 14,5                                                                                   | 57,5                                                                                   | 25 700                                                                                  | 31,7                                                                                   | 66,1                                                                                   | 23 500                                                                                  | 42,3                                                                                     | 69,8                                                                                     | 21 200                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 24,7                                                                                   | 62,2                                                                                   | 22 100                                                                                  | 37,1                                                                                     | 67,3                                                                                     | 20 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 14,5                                                                                   | 56,2                                                                                   | 20 800                                                                                  | 31,3                                                                                     | 64,2                                                                                     | 18 800                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,2                                                                                     | 60,2                                                                                     | 17 800                                                                                    | 56,0                                                                                     |

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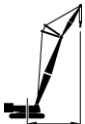
150 590 kg  
+  
54 430 kg



48,0 m

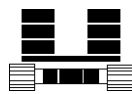
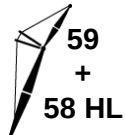


42,0 m

|      |  87°  |                                                                                        |                                                                                        |  85° |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |  |      |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      | <br>m | <br>o | <br>m | kg                                                                                    | <br>o | <br>m | kg                                                                                      | <br>o | <br>m |                                                                                     | kg   |
| 16,8 | 74,8                                                                                   | 91,3                                                                                   | 99 200 *b                                                                              |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 16,8 |
| 18,0 | 73,0                                                                                   | 90,9                                                                                   | 95 000 *b                                                                              |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 18,0 |
| 20,0 | 70,1                                                                                   | 90,2                                                                                   | 88 500 *                                                                               | 72,6                                                                                  | 90,7                                                                                   | 89 700 *b                                                                              |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 20,0 |
| 22,0 | 67,2                                                                                   | 89,4                                                                                   | 82 500 *                                                                               | 69,7                                                                                  | 90,0                                                                                   | 83 700 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 22,0 |
| 24,0 | 64,1                                                                                   | 88,5                                                                                   | 77 000 *                                                                               | 66,7                                                                                  | 89,1                                                                                   | 78 200 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 24,0 |
| 26,0 | 61,0                                                                                   | 87,4                                                                                   | 71 900 *                                                                               | 63,7                                                                                  | 88,2                                                                                   | 71 700                                                                                 |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 26,0 |
| 28,0 | 57,8                                                                                   | 86,2                                                                                   | 67 100                                                                                 | 60,5                                                                                  | 87,1                                                                                   | 65 100                                                                                 | 67,0                                                                                    | 88,6                                                                                    | 60 300                                                                                   |                                                                                     | 28,0 |
| 30,0 | 54,5                                                                                   | 84,7                                                                                   | 61 400                                                                                 | 57,3                                                                                  | 85,8                                                                                   | 59 600                                                                                 | 63,9                                                                                    | 87,6                                                                                    | 55 100                                                                                   |                                                                                     | 30,0 |
| 32,0 | 51,0                                                                                   | 83,2                                                                                   | 56 500                                                                                 | 54,0                                                                                  | 84,4                                                                                   | 54 800                                                                                 | 60,8                                                                                    | 86,5                                                                                    | 50 700                                                                                   |                                                                                     | 32,0 |
| 34,0 | 47,4                                                                                   | 81,4                                                                                   | 52 200                                                                                 | 50,5                                                                                  | 82,8                                                                                   | 50 700                                                                                 | 57,6                                                                                    | 85,3                                                                                    | 46 800                                                                                   |                                                                                     | 34,0 |
| 36,0 | 43,5                                                                                   | 79,3                                                                                   | 48 500                                                                                 | 46,8                                                                                  | 80,9                                                                                   | 47 000                                                                                 | 54,3                                                                                    | 83,9                                                                                    | 43 400                                                                                   |                                                                                     | 36,0 |
| 38,0 | 39,2                                                                                   | 77,0                                                                                   | 45 200                                                                                 | 42,8                                                                                  | 78,8                                                                                   | 43 800                                                                                 | 50,8                                                                                    | 82,3                                                                                    | 40 400                                                                                   |                                                                                     | 38,0 |
| 40,0 | 34,6                                                                                   | 74,2                                                                                   | 42 200                                                                                 | 38,5                                                                                  | 76,4                                                                                   | 41 000                                                                                 | 47,1                                                                                    | 80,5                                                                                    | 37 800                                                                                   |                                                                                     | 40,0 |
| 42,0 | 29,3                                                                                   | 70,8                                                                                   | 39 600                                                                                 | 33,8                                                                                  | 73,6                                                                                   | 38 400                                                                                 | 43,2                                                                                    | 78,4                                                                                    | 35 400                                                                                   |                                                                                     | 42,0 |
| 44,0 | 22,8                                                                                   | 66,6                                                                                   | 37 100                                                                                 | 28,3                                                                                  | 70,1                                                                                   | 36 000                                                                                 | 38,9                                                                                    | 76,0                                                                                    | 33 200                                                                                   |                                                                                     | 44,0 |
| 46,0 |                                                                                        |                                                                                        |                                                                                        | 21,6                                                                                  | 65,6                                                                                   | 33 900                                                                                 | 34,2                                                                                    | 73,2                                                                                    | 31 300                                                                                   |                                                                                     | 46,0 |
| 48,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 28,9                                                                                    | 69,8                                                                                    | 29 400                                                                                   |                                                                                     | 48,0 |
| 50,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 22,3                                                                                    | 65,4                                                                                    | 27 800                                                                                   |                                                                                     | 50,0 |
| 52,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 52,0 |
| 54,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 54,0 |
| 56,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 56,0 |
| 58,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 58,0 |
| 60,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 60,0 |
| 62,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 62,0 |
| 64,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 64,0 |

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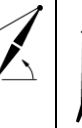
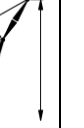
150 590 kg  
+  
54 430 kg



48,0 m

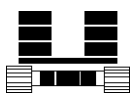
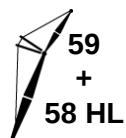


42,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 16,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 61,0                                                                                   | 85,6                                                                                   | 39 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 57,8                                                                                   | 84,4                                                                                   | 37 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 54,5                                                                                   | 83,0                                                                                   | 34 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 51,0                                                                                   | 81,4                                                                                   | 32 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 47,3                                                                                   | 79,6                                                                                   | 30 400                                                                                  | 54,5                                                                                   | 81,6                                                                                   | 27 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 43,4                                                                                   | 77,5                                                                                   | 28 500                                                                                  | 51,0                                                                                   | 80,0                                                                                   | 25 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 39,2                                                                                   | 75,2                                                                                   | 26 900                                                                                  | 47,3                                                                                   | 78,2                                                                                   | 24 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 34,5                                                                                   | 72,4                                                                                   | 25 400                                                                                  | 43,4                                                                                   | 76,2                                                                                   | 23 000                                                                                  | 50,8                                                                                   | 78,2                                                                                    | 20 600                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 29,2                                                                                   | 69,0                                                                                   | 24 000                                                                                  | 39,2                                                                                   | 73,8                                                                                   | 21 700                                                                                  | 47,1                                                                                   | 76,4                                                                                    | 19 400                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 22,7                                                                                   | 64,7                                                                                   | 22 600                                                                                  | 34,5                                                                                   | 71,1                                                                                   | 20 500                                                                                  | 43,2                                                                                   | 74,4                                                                                    | 18 300                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 13,3                                                                                   | 58,2                                                                                   | 21 300                                                                                  | 29,2                                                                                   | 67,7                                                                                   | 19 300                                                                                  | 38,9                                                                                   | 72,0                                                                                    | 17 300                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 22,7                                                                                   | 63,4                                                                                   | 18 300                                                                                  | 34,2                                                                                   | 69,2                                                                                    | 16 300                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 28,8                                                                                   | 65,8                                                                                    | 15 400                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,3                                                                                   | 61,4                                                                                    | 14 600                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 12,5                                                                                   | 54,5                                                                                    | 13 700                                                                                    | 64,0                                                                                     |

# 16000 S-3

ANSI B30.5



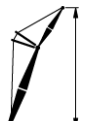
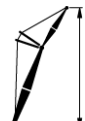
150 590 kg  
+  
54 430 kg



48,0 m

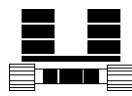
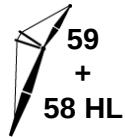


48,0 m

| <br>m | <br>87° |                                                                                        |                                                                                         | <br>85° |                                                                                        |                                                                                         | <br>80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o    | <br>m | <br>kg |                                                                                          |
| 18,3                                                                                   | 74,8                                                                                     | 97,1                                                                                   | 87 900 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   | 72,7                                                                                     | 96,6                                                                                   | 83 300 *                                                                                |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 70,2                                                                                     | 95,9                                                                                   | 78 200 *                                                                                |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 67,6                                                                                     | 95,1                                                                                   | 73 400 *                                                                                | 69,8                                                                                     | 95,6                                                                                   | 74 300 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 65,0                                                                                     | 94,2                                                                                   | 68 900 *                                                                                | 67,2                                                                                     | 94,8                                                                                   | 69 800                                                                                  |                                                                                            |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 62,3                                                                                     | 93,1                                                                                   | 64 800 *                                                                                | 64,5                                                                                     | 93,9                                                                                   | 64 700                                                                                  |                                                                                            |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 59,5                                                                                     | 92,0                                                                                   | 60 700                                                                                  | 61,8                                                                                     | 92,8                                                                                   | 59 000                                                                                  |                                                                                            |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 56,7                                                                                     | 90,7                                                                                   | 56 000                                                                                  | 59,1                                                                                     | 91,6                                                                                   | 54 300                                                                                  | 64,8                                                                                       | 93,3                                                                                     | 50 000                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 53,7                                                                                     | 89,2                                                                                   | 51 800                                                                                  | 56,2                                                                                     | 90,3                                                                                   | 50 100                                                                                  | 62,1                                                                                       | 92,3                                                                                     | 46 100                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 50,7                                                                                     | 87,7                                                                                   | 48 000                                                                                  | 53,3                                                                                     | 88,9                                                                                   | 46 500                                                                                  | 59,3                                                                                       | 91,1                                                                                     | 42 800                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 47,5                                                                                     | 85,8                                                                                   | 44 700                                                                                  | 50,2                                                                                     | 87,2                                                                                   | 43 300                                                                                  | 56,5                                                                                       | 89,8                                                                                     | 39 800                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 44,1                                                                                     | 83,8                                                                                   | 41 800                                                                                  | 46,9                                                                                     | 85,4                                                                                   | 40 500                                                                                  | 53,5                                                                                       | 88,4                                                                                     | 37 200                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 40,5                                                                                     | 81,6                                                                                   | 39 100                                                                                  | 43,5                                                                                     | 83,3                                                                                   | 37 900                                                                                  | 50,5                                                                                       | 86,7                                                                                     | 34 800                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 36,5                                                                                     | 79,0                                                                                   | 36 800                                                                                  | 39,9                                                                                     | 81,0                                                                                   | 35 600                                                                                  | 47,2                                                                                       | 84,9                                                                                     | 32 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 32,2                                                                                     | 75,9                                                                                   | 34 600                                                                                  | 35,9                                                                                     | 78,4                                                                                   | 33 500                                                                                  | 43,8                                                                                       | 82,9                                                                                     | 30 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 27,3                                                                                     | 72,3                                                                                   | 32 600                                                                                  | 31,5                                                                                     | 75,3                                                                                   | 31 600                                                                                  | 40,2                                                                                       | 80,6                                                                                     | 28 900                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 21,2                                                                                     | 67,7                                                                                   | 30 400                                                                                  | 26,4                                                                                     | 71,5                                                                                   | 29 800                                                                                  | 36,3                                                                                       | 78,0                                                                                     | 27 300                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 20,1                                                                                     | 66,6                                                                                   | 28 100                                                                                  | 31,9                                                                                       | 74,9                                                                                     | 25 800                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 26,9                                                                                       | 71,2                                                                                     | 24 400                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 20,8                                                                                       | 66,5                                                                                     | 23 100                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 70,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



48,0 m

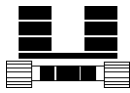
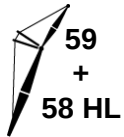


48,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 59,5                                                                                   | 90,2                                                                                   | 33 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 56,6                                                                                   | 88,9                                                                                   | 31 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 53,7                                                                                   | 87,5                                                                                   | 29 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 50,6                                                                                   | 85,8                                                                                   | 27 900                                                                                  | 56,7                                                                                   | 87,6                                                                                   | 25 100                                                                                  |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 47,4                                                                                   | 84,1                                                                                   | 26 200                                                                                  | 53,7                                                                                   | 86,1                                                                                   | 23 600                                                                                  |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 44,0                                                                                   | 82,0                                                                                   | 24 700                                                                                  | 50,6                                                                                   | 84,5                                                                                   | 22 200                                                                                  |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 40,4                                                                                   | 79,8                                                                                   | 23 300                                                                                  | 47,4                                                                                   | 82,7                                                                                   | 21 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 36,5                                                                                   | 77,2                                                                                   | 22 100                                                                                  | 44,1                                                                                   | 80,7                                                                                   | 19 800                                                                                  | 50,5                                                                                     | 82,7                                                                                     | 17 600                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 32,2                                                                                   | 74,1                                                                                   | 20 900                                                                                  | 40,4                                                                                   | 78,4                                                                                   | 18 700                                                                                  | 47,2                                                                                     | 80,9                                                                                     | 16 500                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 27,2                                                                                   | 70,5                                                                                   | 19 800                                                                                  | 36,5                                                                                   | 75,8                                                                                   | 17 700                                                                                  | 43,8                                                                                     | 78,9                                                                                     | 15 600                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 21,1                                                                                   | 65,8                                                                                   | 18 700                                                                                  | 32,2                                                                                   | 72,8                                                                                   | 16 700                                                                                  | 40,2                                                                                     | 76,6                                                                                     | 14 800                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 12,4                                                                                   | 58,8                                                                                   | 17 700                                                                                  | 27,2                                                                                   | 69,2                                                                                   | 15 800                                                                                  | 36,3                                                                                     | 74,0                                                                                     | 13 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 21,2                                                                                   | 64,5                                                                                   | 15 000                                                                                  | 31,9                                                                                     | 70,9                                                                                     | 13 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 26,9                                                                                     | 67,2                                                                                     | 12 400                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,7                                                                                     | 62,5                                                                                     | 11 700                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 11,6                                                                                     | 55,1                                                                                     | 11 100                                                                                    | 70,0                                                                                     |

# 16000 S-3

ANSI B30.5



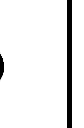
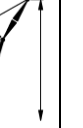
150 590 kg  
+  
54 430 kg



48,0 m

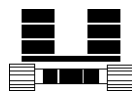
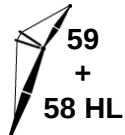


54,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 19,8                                                                                   | 74,9                                                                                   | 102,9                                                                                  | 78 400 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 19,8                                                                                     |
| 20,0                                                                                   | 74,7                                                                                   | 102,9                                                                                  | 78 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 72,5                                                                                   | 102,3                                                                                  | 74 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 70,2                                                                                   | 101,6                                                                                  | 69 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 67,9                                                                                   | 100,8                                                                                  | 66 000 *                                                                                | 69,8                                                                                   | 101,3                                                                                  | 66 600 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 65,6                                                                                   | 99,9                                                                                   | 62 300 *                                                                                | 67,6                                                                                   | 100,5                                                                                  | 62 900 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 63,2                                                                                   | 98,9                                                                                   | 58 800 *                                                                                | 65,2                                                                                   | 99,6                                                                                   | 58 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 60,8                                                                                   | 97,8                                                                                   | 55 600                                                                                  | 62,8                                                                                   | 98,6                                                                                   | 53 800                                                                                  | 67,8                                                                                   | 99,9                                                                                    | 49 400                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 58,3                                                                                   | 96,6                                                                                   | 51 300                                                                                  | 60,4                                                                                   | 97,4                                                                                   | 49 600                                                                                  | 65,4                                                                                   | 99,0                                                                                    | 45 600                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 55,8                                                                                   | 95,2                                                                                   | 47 600                                                                                  | 57,9                                                                                   | 96,2                                                                                   | 46 100                                                                                  | 63,1                                                                                   | 98,0                                                                                    | 42 200                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 53,1                                                                                   | 93,7                                                                                   | 44 300                                                                                  | 55,4                                                                                   | 94,8                                                                                   | 42 900                                                                                  | 60,6                                                                                   | 96,9                                                                                    | 39 300                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 50,4                                                                                   | 92,1                                                                                   | 41 400                                                                                  | 52,7                                                                                   | 93,3                                                                                   | 40 000                                                                                  | 58,2                                                                                   | 95,7                                                                                    | 36 600                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 47,5                                                                                   | 90,3                                                                                   | 38 700                                                                                  | 50,0                                                                                   | 91,7                                                                                   | 37 400                                                                                  | 55,6                                                                                   | 94,3                                                                                    | 34 300                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 44,6                                                                                   | 88,3                                                                                   | 36 400                                                                                  | 47,1                                                                                   | 89,9                                                                                   | 35 100                                                                                  | 53,0                                                                                   | 92,9                                                                                    | 32 100                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 41,4                                                                                   | 86,1                                                                                   | 34 200                                                                                  | 44,1                                                                                   | 87,9                                                                                   | 33 100                                                                                  | 50,2                                                                                   | 91,2                                                                                    | 30 200                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 38,0                                                                                   | 83,7                                                                                   | 32 300                                                                                  | 40,9                                                                                   | 85,6                                                                                   | 31 200                                                                                  | 47,4                                                                                   | 89,4                                                                                    | 28 400                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 34,3                                                                                   | 80,8                                                                                   | 30 500                                                                                  | 37,5                                                                                   | 83,1                                                                                   | 29 400                                                                                  | 44,4                                                                                   | 87,4                                                                                    | 26 800                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 30,3                                                                                   | 77,6                                                                                   | 28 800                                                                                  | 33,7                                                                                   | 80,2                                                                                   | 27 800                                                                                  | 41,2                                                                                   | 85,2                                                                                    | 25 300                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 25,6                                                                                   | 73,7                                                                                   | 27 300                                                                                  | 29,6                                                                                   | 76,8                                                                                   | 26 300                                                                                  | 37,8                                                                                   | 82,7                                                                                    | 23 900                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 19,9                                                                                   | 68,7                                                                                   | 25 200                                                                                  | 24,8                                                                                   | 72,8                                                                                   | 24 900                                                                                  | 34,1                                                                                   | 79,8                                                                                    | 22 600                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 18,9                                                                                   | 67,6                                                                                   | 23 600                                                                                  | 30,0                                                                                   | 76,6                                                                                    | 21 400                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 25,3                                                                                   | 72,6                                                                                    | 20 400                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 19,5                                                                                   | 67,5                                                                                    | 19 300                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 11,0                                                                                   | 59,7                                                                                    | 18 300                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 76,0                                                                                     |

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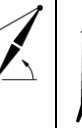
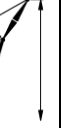
150 590 kg  
+  
54 430 kg



48,0 m

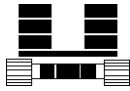
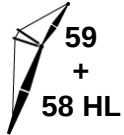


54,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 19,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 19,8                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 60,8                                                                                   | 96,0                                                                                   | 31 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 58,3                                                                                   | 94,8                                                                                   | 29 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 55,7                                                                                   | 93,4                                                                                   | 27 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 53,1                                                                                   | 91,9                                                                                   | 25 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 50,4                                                                                   | 90,3                                                                                   | 24 200                                                                                  | 55,7                                                                                   | 92,1                                                                                   | 21 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 47,5                                                                                   | 88,5                                                                                   | 22 800                                                                                  | 53,1                                                                                   | 90,6                                                                                   | 20 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 44,5                                                                                   | 86,6                                                                                   | 21 500                                                                                  | 50,4                                                                                   | 89,0                                                                                   | 19 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 41,4                                                                                   | 84,3                                                                                   | 20 400                                                                                  | 47,5                                                                                   | 87,2                                                                                   | 18 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 38,0                                                                                   | 81,8                                                                                   | 19 300                                                                                  | 44,5                                                                                   | 85,2                                                                                   | 17 100                                                                                  | 50,2                                                                                   | 87,2                                                                                    | 15 000                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 34,3                                                                                   | 79,0                                                                                   | 18 300                                                                                  | 41,4                                                                                   | 83,0                                                                                   | 16 200                                                                                  | 47,3                                                                                   | 85,4                                                                                    | 14 100                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 30,2                                                                                   | 75,7                                                                                   | 17 300                                                                                  | 38,0                                                                                   | 80,5                                                                                   | 15 300                                                                                  | 44,3                                                                                   | 83,4                                                                                    | 13 400                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 25,6                                                                                   | 71,8                                                                                   | 16 400                                                                                  | 34,3                                                                                   | 77,7                                                                                   | 14 500                                                                                  | 41,2                                                                                   | 81,2                                                                                    | 12 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 19,9                                                                                   | 66,9                                                                                   | 15 500                                                                                  | 30,2                                                                                   | 74,4                                                                                   | 13 700                                                                                  | 37,8                                                                                   | 78,7                                                                                    | 11 900                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 11,6                                                                                   | 59,3                                                                                   | 14 700                                                                                  | 25,6                                                                                   | 70,5                                                                                   | 13 000                                                                                  | 34,1                                                                                   | 75,8                                                                                    | 11 300                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 19,9                                                                                   | 65,5                                                                                   | 12 300                                                                                  | 30,0                                                                                   | 72,5                                                                                    | 10 600                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 25,3                                                                                   | 68,5                                                                                    | 10 000                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 19,5                                                                                   | 63,5                                                                                    | 9 400                                                                                     | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 10,9                                                                                   | 55,7                                                                                    | 8 800                                                                                     | 76,0                                                                                     |

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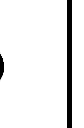
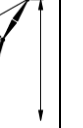
150 590 kg  
+  
54 430 kg



48,0 m

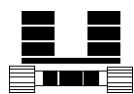
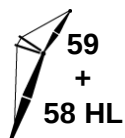


60,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 21,3                                                                                   | 74,9                                                                                   | 108,7                                                                                  | 66 700 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 21,3                                                                                     |
| 22,0                                                                                   | 74,3                                                                                   | 108,6                                                                                  | 66 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 72,3                                                                                   | 107,9                                                                                  | 65 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 70,2                                                                                   | 107,2                                                                                  | 62 600 *                                                                                | 71,9                                                                                   | 107,7                                                                                  | 63 000 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 68,2                                                                                   | 106,4                                                                                  | 59 300 *                                                                                | 69,9                                                                                   | 106,9                                                                                  | 59 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 66,1                                                                                   | 105,6                                                                                  | 56 300 *                                                                                | 67,9                                                                                   | 106,1                                                                                  | 56 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 64,0                                                                                   | 104,6                                                                                  | 53 300 *                                                                                | 65,8                                                                                   | 105,3                                                                                  | 53 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 61,8                                                                                   | 103,5                                                                                  | 50 500                                                                                  | 63,6                                                                                   | 104,3                                                                                  | 49 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 59,6                                                                                   | 102,4                                                                                  | 47 100                                                                                  | 61,5                                                                                   | 103,2                                                                                  | 45 500                                                                                  | 66,0                                                                                   | 104,7                                                                                   | 41 600                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 57,4                                                                                   | 101,1                                                                                  | 43 800                                                                                  | 59,3                                                                                   | 102,0                                                                                  | 42 300                                                                                  | 63,8                                                                                   | 103,7                                                                                   | 38 600                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 55,0                                                                                   | 99,7                                                                                   | 40 800                                                                                  | 57,0                                                                                   | 100,7                                                                                  | 39 400                                                                                  | 61,7                                                                                   | 102,7                                                                                   | 35 900                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 52,6                                                                                   | 98,2                                                                                   | 38 200                                                                                  | 54,7                                                                                   | 99,4                                                                                   | 36 900                                                                                  | 59,5                                                                                   | 101,5                                                                                   | 33 600                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 50,2                                                                                   | 96,6                                                                                   | 35 900                                                                                  | 52,3                                                                                   | 97,8                                                                                   | 34 600                                                                                  | 57,2                                                                                   | 100,2                                                                                   | 31 400                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 47,6                                                                                   | 94,8                                                                                   | 33 700                                                                                  | 49,8                                                                                   | 96,2                                                                                   | 32 500                                                                                  | 54,9                                                                                   | 98,9                                                                                    | 29 500                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 44,9                                                                                   | 92,8                                                                                   | 31 800                                                                                  | 47,2                                                                                   | 94,3                                                                                   | 30 600                                                                                  | 52,5                                                                                   | 97,3                                                                                    | 27 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 42,1                                                                                   | 90,7                                                                                   | 30 000                                                                                  | 44,5                                                                                   | 92,4                                                                                   | 28 900                                                                                  | 50,0                                                                                   | 95,7                                                                                    | 26 200                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 39,1                                                                                   | 88,3                                                                                   | 28 300                                                                                  | 41,7                                                                                   | 90,2                                                                                   | 27 300                                                                                  | 47,4                                                                                   | 93,9                                                                                    | 24 700                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 36,0                                                                                   | 85,6                                                                                   | 26 800                                                                                  | 38,7                                                                                   | 87,7                                                                                   | 25 800                                                                                  | 44,8                                                                                   | 91,9                                                                                    | 23 300                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 32,5                                                                                   | 82,6                                                                                   | 25 400                                                                                  | 35,4                                                                                   | 85,0                                                                                   | 24 500                                                                                  | 41,9                                                                                   | 89,7                                                                                    | 22 100                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 28,7                                                                                   | 79,1                                                                                   | 24 100                                                                                  | 31,9                                                                                   | 81,9                                                                                   | 23 200                                                                                  | 38,9                                                                                   | 87,3                                                                                    | 20 900                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 24,2                                                                                   | 74,9                                                                                   | 22 800                                                                                  | 28,0                                                                                   | 78,3                                                                                   | 22 000                                                                                  | 35,7                                                                                   | 84,6                                                                                    | 19 800                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 18,9                                                                                   | 69,7                                                                                   | 20 700 *                                                                                | 23,5                                                                                   | 74,1                                                                                   | 20 900                                                                                  | 32,3                                                                                   | 81,6                                                                                    | 18 800                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 11,1                                                                                   | 61,8                                                                                   | 18 100 *                                                                                | 17,9                                                                                   | 68,5                                                                                   | 19 400                                                                                  | 28,4                                                                                   | 78,1                                                                                    | 17 800                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 23,9                                                                                   | 73,8                                                                                    | 16 900                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 18,5                                                                                   | 68,5                                                                                    | 16 000                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 10,4                                                                                   | 60,2                                                                                    | 15 200                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 76,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg

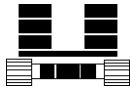
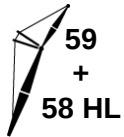


48,0 m



60,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | o    | m     | kg     | o    | m    | kg     |
| 21,3 |      |       |        |      |      |        |
| 22,0 |      |       |        |      |      |        |
| 24,0 |      |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 |      |       |        |      |      |        |
| 44,0 |      |       |        |      |      |        |
| 46,0 | 59,6 | 100,6 | 26 600 |      |      |        |
| 48,0 | 57,3 | 99,3  | 25 000 |      |      |        |
| 50,0 | 55,0 | 97,9  | 23 500 |      |      |        |
| 52,0 | 52,6 | 96,4  | 22 100 | 57,3 | 98,0 | 19 600 |
| 54,0 | 50,1 | 94,8  | 20 900 | 55,0 | 96,6 | 18 400 |
| 56,0 | 47,6 | 93,0  | 19 700 | 52,6 | 95,1 | 17 400 |
| 58,0 | 44,9 | 91,0  | 18 600 | 50,2 | 93,5 | 16 400 |
| 60,0 | 42,1 | 88,9  | 17 600 | 47,6 | 91,7 | 15 500 |
| 62,0 | 39,1 | 86,5  | 16 700 | 44,9 | 89,7 | 14 600 |
| 64,0 | 35,9 | 83,8  | 15 800 | 42,1 | 87,5 | 13 800 |
| 66,0 | 32,5 | 80,8  | 15 000 | 39,1 | 85,1 | 13 100 |
| 68,0 | 28,6 | 77,3  | 14 200 | 35,9 | 82,5 | 12 300 |
| 70,0 | 24,2 | 73,1  | 13 500 | 32,5 | 79,4 | 11 600 |
| 72,0 | 18,8 | 67,8  | 12 700 | 28,6 | 75,9 | 11 000 |
| 74,0 | 11,0 | 59,9  | 12 000 | 24,2 | 71,8 | 10 400 |
| 76,0 |      |       |        | 18,8 | 66,5 | 9 800  |



150 590 kg  
+  
54 430 kg

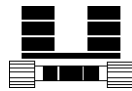
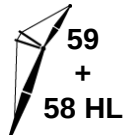


48,0 m



66,0 m

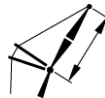
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 22,9                                                                                   | 75,0                                                                                   | 114,6                                                                                  | 56 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,9                                                                                     |
| 24,0                                                                                   | 73,9                                                                                   | 114,2                                                                                  | 56 300 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 72,1                                                                                   | 113,6                                                                                  | 55 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 70,3                                                                                   | 112,9                                                                                  | 55 200 *                                                                                | 71,8                                                                                   | 113,3                                                                                  | 55 100 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 68,4                                                                                   | 112,1                                                                                  | 53 300 *                                                                                | 70,0                                                                                   | 112,6                                                                                  | 53 700 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 66,5                                                                                   | 111,2                                                                                  | 50 700 *                                                                                | 68,1                                                                                   | 111,8                                                                                  | 51 000 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 64,6                                                                                   | 110,3                                                                                  | 48 200 *                                                                                | 66,2                                                                                   | 110,9                                                                                  | 48 400                                                                                  |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 62,6                                                                                   | 109,3                                                                                  | 45 900 *                                                                                | 64,3                                                                                   | 110,0                                                                                  | 44 900                                                                                  |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 60,7                                                                                   | 108,2                                                                                  | 43 200                                                                                  | 62,3                                                                                   | 109,0                                                                                  | 41 700                                                                                  | 66,4                                                                                     | 110,4                                                                                    | 38 000                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 58,6                                                                                   | 107,0                                                                                  | 40 300                                                                                  | 60,3                                                                                   | 107,8                                                                                  | 38 900                                                                                  | 64,5                                                                                     | 109,4                                                                                    | 35 300                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 56,6                                                                                   | 105,7                                                                                  | 37 600                                                                                  | 58,3                                                                                   | 106,6                                                                                  | 36 300                                                                                  | 62,5                                                                                     | 108,4                                                                                    | 32 900                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 54,4                                                                                   | 104,2                                                                                  | 35 300                                                                                  | 56,2                                                                                   | 105,3                                                                                  | 34 000                                                                                  | 60,5                                                                                     | 107,3                                                                                    | 30 800                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 52,3                                                                                   | 102,7                                                                                  | 33 200                                                                                  | 54,1                                                                                   | 103,9                                                                                  | 32 000                                                                                  | 58,5                                                                                     | 106,1                                                                                    | 28 900                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 50,0                                                                                   | 101,1                                                                                  | 31 200                                                                                  | 51,9                                                                                   | 102,3                                                                                  | 30 100                                                                                  | 56,4                                                                                     | 104,8                                                                                    | 27 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 47,7                                                                                   | 99,3                                                                                   | 29 400                                                                                  | 49,6                                                                                   | 100,7                                                                                  | 28 300                                                                                  | 54,3                                                                                     | 103,4                                                                                    | 25 500                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 45,2                                                                                   | 97,3                                                                                   | 27 800                                                                                  | 47,3                                                                                   | 98,8                                                                                   | 26 700                                                                                  | 52,1                                                                                     | 101,8                                                                                    | 24 100                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 42,7                                                                                   | 95,2                                                                                   | 26 300                                                                                  | 44,9                                                                                   | 96,9                                                                                   | 25 300                                                                                  | 49,8                                                                                     | 100,2                                                                                    | 22 700                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 40,1                                                                                   | 92,9                                                                                   | 24 900                                                                                  | 42,3                                                                                   | 94,7                                                                                   | 23 900                                                                                  | 47,5                                                                                     | 98,4                                                                                     | 21 500                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 37,2                                                                                   | 90,3                                                                                   | 23 600                                                                                  | 39,6                                                                                   | 92,3                                                                                   | 22 700                                                                                  | 45,1                                                                                     | 96,4                                                                                     | 20 300                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 34,2                                                                                   | 87,5                                                                                   | 22 400                                                                                  | 36,8                                                                                   | 89,7                                                                                   | 21 500                                                                                  | 42,5                                                                                     | 94,3                                                                                     | 19 200                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 30,9                                                                                   | 84,2                                                                                   | 21 200                                                                                  | 33,7                                                                                   | 86,8                                                                                   | 20 400                                                                                  | 39,9                                                                                     | 91,9                                                                                     | 18 200                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 27,3                                                                                   | 80,6                                                                                   | 20 200                                                                                  | 30,4                                                                                   | 83,6                                                                                   | 19 300                                                                                  | 37,0                                                                                     | 89,4                                                                                     | 17 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 23,1                                                                                   | 76,2                                                                                   | 18 800 *                                                                                | 26,6                                                                                   | 79,8                                                                                   | 18 400                                                                                  | 34,0                                                                                     | 86,5                                                                                     | 16 400                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 18,0                                                                                   | 70,6                                                                                   | 16 900 *                                                                                | 22,3                                                                                   | 75,2                                                                                   | 17 400                                                                                  | 30,7                                                                                     | 83,2                                                                                     | 15 500                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 10,5                                                                                   | 62,3                                                                                   | 14 800 *                                                                                | 17,0                                                                                   | 69,4                                                                                   | 15 900 *                                                                                | 27,0                                                                                     | 79,5                                                                                     | 14 700                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,8                                                                                     | 75,1                                                                                     | 14 000                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 17,6                                                                                     | 69,4                                                                                     | 13 300                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 9,8                                                                                      | 60,7                                                                                     | 12 200                                                                                    | 76,0                                                                                     |



150 590 kg  
+  
54 430 kg



48,0 m

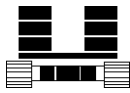
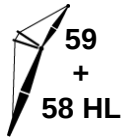


66,0 m

|      | 75°                                                                               |                                                                                   |                                                                                   |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|      |  |  |  |
|      | m                                                                                 | o                                                                                 | kg                                                                                |
| 22,9 |                                                                                   |                                                                                   |                                                                                   |
| 24,0 |                                                                                   |                                                                                   |                                                                                   |
| 26,0 |                                                                                   |                                                                                   |                                                                                   |
| 28,0 |                                                                                   |                                                                                   |                                                                                   |
| 30,0 |                                                                                   |                                                                                   |                                                                                   |
| 32,0 |                                                                                   |                                                                                   |                                                                                   |
| 34,0 |                                                                                   |                                                                                   |                                                                                   |
| 36,0 |                                                                                   |                                                                                   |                                                                                   |
| 38,0 |                                                                                   |                                                                                   |                                                                                   |
| 40,0 |                                                                                   |                                                                                   |                                                                                   |
| 42,0 |                                                                                   |                                                                                   |                                                                                   |
| 44,0 |                                                                                   |                                                                                   |                                                                                   |
| 46,0 | 62,6                                                                              | 107,5                                                                             | 25 900                                                                            |
| 48,0 | 60,6                                                                              | 106,4                                                                             | 24 300                                                                            |
| 50,0 | 58,6                                                                              | 105,2                                                                             | 22 800                                                                            |
| 52,0 | 56,5                                                                              | 103,9                                                                             | 21 500                                                                            |
| 54,0 | 54,4                                                                              | 102,5                                                                             | 20 200                                                                            |
| 56,0 | 52,2                                                                              | 100,9                                                                             | 19 000                                                                            |
| 58,0 | 50,0                                                                              | 99,3                                                                              | 18 000                                                                            |
| 60,0 | 47,6                                                                              | 97,5                                                                              | 17 000                                                                            |
| 62,0 | 45,2                                                                              | 95,5                                                                              | 16 000                                                                            |
| 64,0 | 42,7                                                                              | 93,4                                                                              | 15 200                                                                            |
| 66,0 | 40,0                                                                              | 91,1                                                                              | 14 400                                                                            |
| 68,0 | 37,2                                                                              | 88,5                                                                              | 13 600                                                                            |
| 70,0 | 34,2                                                                              | 85,7                                                                              | 12 900                                                                            |
| 72,0 | 30,9                                                                              | 82,4                                                                              | 12 200                                                                            |
| 74,0 | 27,2                                                                              | 78,7                                                                              | 11 500                                                                            |
| 76,0 | 23,0                                                                              | 74,3                                                                              | 10 900                                                                            |

# 16000 S-3

ANSI B30.5



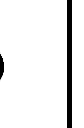
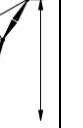
150 590 kg  
+  
54 430 kg

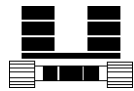
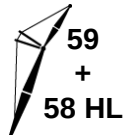


48,0 m



72,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 24,4                                                                                   | 75,0                                                                                   | 120,3                                                                                  | 48 300 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,4                                                                                     |
| 26,0                                                                                   | 73,6                                                                                   | 119,9                                                                                  | 47 900 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 72,0                                                                                   | 119,2                                                                                  | 47 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 70,3                                                                                   | 118,5                                                                                  | 47 000 *                                                                                | 71,7                                                                                   | 119,0                                                                                  | 46 700 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 68,6                                                                                   | 117,7                                                                                  | 46 600 *                                                                                | 70,0                                                                                   | 118,3                                                                                  | 46 400 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 66,9                                                                                   | 116,9                                                                                  | 45 500 *                                                                                | 68,3                                                                                   | 117,5                                                                                  | 45 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 65,1                                                                                   | 116,0                                                                                  | 43 700 *                                                                                | 66,6                                                                                   | 116,6                                                                                  | 44 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 63,3                                                                                   | 115,0                                                                                  | 41 800 *                                                                                | 64,8                                                                                   | 115,7                                                                                  | 41 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 61,5                                                                                   | 113,9                                                                                  | 39 800                                                                                  | 63,0                                                                                   | 114,7                                                                                  | 38 200                                                                                  | 66,7                                                                                   | 116,1                                                                                   | 34 600                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 59,7                                                                                   | 112,8                                                                                  | 37 100                                                                                  | 61,2                                                                                   | 113,6                                                                                  | 35 700                                                                                  | 65,0                                                                                   | 115,2                                                                                   | 32 200                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 57,8                                                                                   | 111,5                                                                                  | 34 700                                                                                  | 59,4                                                                                   | 112,4                                                                                  | 33 400                                                                                  | 63,2                                                                                   | 114,2                                                                                   | 30 100                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 55,9                                                                                   | 110,2                                                                                  | 32 600                                                                                  | 57,5                                                                                   | 111,2                                                                                  | 31 300                                                                                  | 61,4                                                                                   | 113,1                                                                                   | 28 200                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 53,9                                                                                   | 108,7                                                                                  | 30 600                                                                                  | 55,6                                                                                   | 109,8                                                                                  | 29 400                                                                                  | 59,6                                                                                   | 111,9                                                                                   | 26 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 51,9                                                                                   | 107,2                                                                                  | 28 900                                                                                  | 53,6                                                                                   | 108,4                                                                                  | 27 700                                                                                  | 57,7                                                                                   | 110,7                                                                                   | 24 900                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 49,8                                                                                   | 105,5                                                                                  | 27 200                                                                                  | 51,6                                                                                   | 106,8                                                                                  | 26 100                                                                                  | 55,8                                                                                   | 109,3                                                                                   | 23 400                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 47,7                                                                                   | 103,7                                                                                  | 25 700                                                                                  | 49,5                                                                                   | 105,1                                                                                  | 24 700                                                                                  | 53,8                                                                                   | 107,9                                                                                   | 22 100                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 45,5                                                                                   | 101,8                                                                                  | 24 300                                                                                  | 47,4                                                                                   | 103,3                                                                                  | 23 300                                                                                  | 51,8                                                                                   | 106,3                                                                                   | 20 800                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 43,2                                                                                   | 99,7                                                                                   | 23 000                                                                                  | 45,1                                                                                   | 101,3                                                                                  | 22 100                                                                                  | 49,7                                                                                   | 104,6                                                                                   | 19 600                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 40,8                                                                                   | 97,4                                                                                   | 21 800                                                                                  | 42,8                                                                                   | 99,2                                                                                   | 20 900                                                                                  | 47,6                                                                                   | 102,8                                                                                   | 18 600                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 38,3                                                                                   | 95,0                                                                                   | 20 700                                                                                  | 40,4                                                                                   | 96,9                                                                                   | 19 800                                                                                  | 45,3                                                                                   | 100,9                                                                                   | 17 600                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 35,6                                                                                   | 92,2                                                                                   | 19 600                                                                                  | 37,8                                                                                   | 94,4                                                                                   | 18 800                                                                                  | 43,0                                                                                   | 98,8                                                                                    | 16 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 32,7                                                                                   | 89,2                                                                                   | 18 600                                                                                  | 35,1                                                                                   | 91,6                                                                                   | 17 800                                                                                  | 40,6                                                                                   | 96,5                                                                                    | 15 700                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 29,5                                                                                   | 85,8                                                                                   | 17 700                                                                                  | 32,2                                                                                   | 88,6                                                                                   | 16 900                                                                                  | 38,1                                                                                   | 94,0                                                                                    | 14 900                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 26,1                                                                                   | 81,9                                                                                   | 16 800                                                                                  | 29,0                                                                                   | 85,1                                                                                   | 16 100                                                                                  | 35,4                                                                                   | 91,3                                                                                    | 14 100                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 22,0                                                                                   | 77,3                                                                                   | 15 300 *                                                                                | 25,5                                                                                   | 81,1                                                                                   | 15 300                                                                                  | 32,5                                                                                   | 88,2                                                                                    | 13 400                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 17,2                                                                                   | 71,5                                                                                   | 13 600 *                                                                                | 21,4                                                                                   | 76,3                                                                                   | 14 300                                                                                  | 29,3                                                                                   | 84,8                                                                                    | 12 700                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 10,1                                                                                   | 62,8                                                                                   | 11 800 *                                                                                | 16,2                                                                                   | 70,2                                                                                   | 12 700 *                                                                                | 25,8                                                                                   | 80,9                                                                                    | 12 000                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 16,8                                                                                   | 70,3                                                                                    | 10 700                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 84,0                                                                                     |



150 590 kg  
+  
54 430 kg



48,0 m

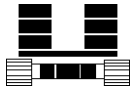
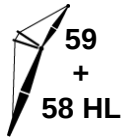


72,0 m

|      | 75°                                                                               |                                                                                   |                                                                                   |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|      |  |  |  |
|      | m                                                                                 | o                                                                                 | kg                                                                                |
| 24,4 |                                                                                   |                                                                                   |                                                                                   |
| 26,0 |                                                                                   |                                                                                   |                                                                                   |
| 28,0 |                                                                                   |                                                                                   |                                                                                   |
| 30,0 |                                                                                   |                                                                                   |                                                                                   |
| 32,0 |                                                                                   |                                                                                   |                                                                                   |
| 34,0 |                                                                                   |                                                                                   |                                                                                   |
| 36,0 |                                                                                   |                                                                                   |                                                                                   |
| 38,0 |                                                                                   |                                                                                   |                                                                                   |
| 40,0 |                                                                                   |                                                                                   |                                                                                   |
| 42,0 |                                                                                   |                                                                                   |                                                                                   |
| 44,0 |                                                                                   |                                                                                   |                                                                                   |
| 46,0 |                                                                                   |                                                                                   |                                                                                   |
| 48,0 |                                                                                   |                                                                                   |                                                                                   |
| 50,0 | 61,5                                                                              | 112,1                                                                             | 22 100                                                                            |
| 52,0 | 59,7                                                                              | 111,0                                                                             | 20 700                                                                            |
| 54,0 | 57,8                                                                              | 109,7                                                                             | 19 500                                                                            |
| 56,0 | 55,9                                                                              | 108,4                                                                             | 18 300                                                                            |
| 58,0 | 53,9                                                                              | 107,0                                                                             | 17 300                                                                            |
| 60,0 | 51,9                                                                              | 105,4                                                                             | 16 300                                                                            |
| 62,0 | 49,8                                                                              | 103,7                                                                             | 15 400                                                                            |
| 64,0 | 47,7                                                                              | 101,9                                                                             | 14 500                                                                            |
| 66,0 | 45,5                                                                              | 100,0                                                                             | 13 600                                                                            |
| 68,0 | 43,2                                                                              | 97,9                                                                              | 12 900                                                                            |
| 70,0 | 40,8                                                                              | 95,7                                                                              | 12 200                                                                            |
| 72,0 | 38,2                                                                              | 93,2                                                                              | 11 500                                                                            |
| 74,0 | 35,5                                                                              | 90,4                                                                              | 10 900                                                                            |
| 76,0 | 32,6                                                                              | 87,4                                                                              | 10 300                                                                            |
| 80,0 | 26,0                                                                              | 80,1                                                                              | 9 100                                                                             |
| 84,0 | 17,1                                                                              | 69,6                                                                              | 8 100                                                                             |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



48,0 m

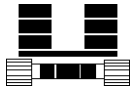
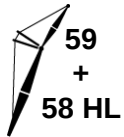


78,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                     |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 27,4                                                                                   | 73,8                                                                                   | 125,7                                                                                  | 41 300 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 27,4                                                                                     |
| 28,0                                                                                   | 73,4                                                                                   | 125,5                                                                                  | 41 200 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 71,9                                                                                   | 124,9                                                                                  | 40 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 70,3                                                                                   | 124,2                                                                                  | 40 500 *                                                                                | 71,6                                                                                   | 124,6                                                                                  | 40 300 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 68,7                                                                                   | 123,4                                                                                  | 40 100 *                                                                                | 70,1                                                                                   | 123,9                                                                                  | 40 000 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 67,1                                                                                   | 122,6                                                                                  | 39 500 *                                                                                | 68,5                                                                                   | 123,1                                                                                  | 39 700 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 65,5                                                                                   | 121,7                                                                                  | 38 300 *                                                                                | 66,9                                                                                   | 122,3                                                                                  | 39 400 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 63,9                                                                                   | 120,7                                                                                  | 36 900 *                                                                                | 65,3                                                                                   | 121,4                                                                                  | 37 800                                                                                  |                                                                                         |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 62,2                                                                                   | 119,7                                                                                  | 35 600 *                                                                                | 63,6                                                                                   | 120,4                                                                                  | 35 100                                                                                  | 67,0                                                                                    | 121,7                                                                                    | 31 700                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 60,6                                                                                   | 118,6                                                                                  | 34 200                                                                                  | 62,0                                                                                   | 119,3                                                                                  | 32 900                                                                                  | 65,4                                                                                    | 120,8                                                                                    | 29 500                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 58,8                                                                                   | 117,4                                                                                  | 32 100                                                                                  | 60,3                                                                                   | 118,2                                                                                  | 30 800                                                                                  | 63,8                                                                                    | 119,9                                                                                    | 27 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 57,1                                                                                   | 116,1                                                                                  | 30 100                                                                                  | 58,6                                                                                   | 117,0                                                                                  | 28 900                                                                                  | 62,1                                                                                    | 118,8                                                                                    | 25 900                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 55,3                                                                                   | 114,7                                                                                  | 28 400                                                                                  | 56,8                                                                                   | 115,7                                                                                  | 27 200                                                                                  | 60,4                                                                                    | 117,7                                                                                    | 24 300                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 53,5                                                                                   | 113,2                                                                                  | 26 700                                                                                  | 55,0                                                                                   | 114,3                                                                                  | 25 600                                                                                  | 58,7                                                                                    | 116,5                                                                                    | 22 800                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 51,6                                                                                   | 111,7                                                                                  | 25 200                                                                                  | 53,2                                                                                   | 112,9                                                                                  | 24 100                                                                                  | 57,0                                                                                    | 115,2                                                                                    | 21 500                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 49,7                                                                                   | 110,0                                                                                  | 23 800                                                                                  | 51,3                                                                                   | 111,3                                                                                  | 22 800                                                                                  | 55,2                                                                                    | 113,8                                                                                    | 20 200                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 47,7                                                                                   | 108,2                                                                                  | 22 500                                                                                  | 49,4                                                                                   | 109,6                                                                                  | 21 500                                                                                  | 53,4                                                                                    | 112,4                                                                                    | 19 100                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 45,7                                                                                   | 106,3                                                                                  | 21 300                                                                                  | 47,4                                                                                   | 107,8                                                                                  | 20 400                                                                                  | 51,5                                                                                    | 110,8                                                                                    | 18 000                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 43,6                                                                                   | 104,2                                                                                  | 20 200                                                                                  | 45,4                                                                                   | 105,8                                                                                  | 19 300                                                                                  | 49,6                                                                                    | 109,1                                                                                    | 17 000                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 41,4                                                                                   | 102,0                                                                                  | 19 200                                                                                  | 43,3                                                                                   | 103,7                                                                                  | 18 300                                                                                  | 47,6                                                                                    | 107,3                                                                                    | 16 100                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 39,1                                                                                   | 99,6                                                                                   | 18 200                                                                                  | 41,0                                                                                   | 101,5                                                                                  | 17 300                                                                                  | 45,6                                                                                    | 105,4                                                                                    | 15 200                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 36,7                                                                                   | 97,0                                                                                   | 17 300                                                                                  | 38,7                                                                                   | 99,1                                                                                   | 16 400                                                                                  | 43,5                                                                                    | 103,3                                                                                    | 14 400                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 34,1                                                                                   | 94,1                                                                                   | 16 400                                                                                  | 36,3                                                                                   | 96,4                                                                                   | 15 600                                                                                  | 41,3                                                                                    | 101,1                                                                                    | 13 600                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 31,3                                                                                   | 90,9                                                                                   | 15 600                                                                                  | 33,7                                                                                   | 93,5                                                                                   | 14 800                                                                                  | 38,9                                                                                    | 98,7                                                                                     | 12 900                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 28,3                                                                                   | 87,3                                                                                   | 14 700                                                                                  | 30,9                                                                                   | 90,2                                                                                   | 14 100                                                                                  | 36,5                                                                                    | 96,0                                                                                     | 12 200                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 25,0                                                                                   | 83,3                                                                                   | 13 400 *                                                                                | 27,8                                                                                   | 86,6                                                                                   | 13 300                                                                                  | 33,9                                                                                    | 93,1                                                                                     | 11 500                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 16,5                                                                                   | 72,3                                                                                   | 10 600 *                                                                                | 20,5                                                                                   | 77,4                                                                                   | 11 200 *                                                                                | 28,1                                                                                    | 86,3                                                                                     | 10 300                                                                                    | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,9                                                                                    | 77,3                                                                                     | 9 200                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 9,0                                                                                     | 61,7                                                                                     | 7 000 *                                                                                   | 88,0                                                                                     |



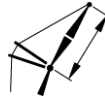
REFERENCE  
ONLY!



150 590 kg  
+  
54 430 kg



48,0 m



84,0 m

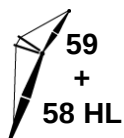
|      | 87°                                                                               |                                                                                   |                                                                                   | 85°                                                                                |                                                                                    |                                                                                     |
|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      |  |  |  |  |  |  |
| m    | o                                                                                 | m                                                                                 | kg                                                                                | o                                                                                  | m                                                                                  | kg                                                                                  |
| 29,0 | 73,9                                                                              | 131,5                                                                             | 35 400 *                                                                          |                                                                                    |                                                                                    |                                                                                     |
| 30,0 | 73,2                                                                              | 131,2                                                                             | 35 200 *                                                                          |                                                                                    |                                                                                    |                                                                                     |
| 32,0 | 71,8                                                                              | 130,6                                                                             | 34 900 *                                                                          | 73,0                                                                               | 130,9                                                                              | 34 700 *                                                                            |
| 34,0 | 70,3                                                                              | 129,8                                                                             | 34 500 *                                                                          | 71,5                                                                               | 130,3                                                                              | 34 400 *                                                                            |
| 36,0 | 68,9                                                                              | 129,1                                                                             | 34 200 *                                                                          | 70,1                                                                               | 129,6                                                                              | 34 100 *                                                                            |
| 38,0 | 67,4                                                                              | 128,2                                                                             | 33 800 *                                                                          | 68,6                                                                               | 128,8                                                                              | 33 800 *                                                                            |
| 40,0 | 65,9                                                                              | 127,4                                                                             | 33 400 *                                                                          | 67,2                                                                               | 128,0                                                                              | 33 500 *                                                                            |
| 42,0 | 64,4                                                                              | 126,4                                                                             | 32 400 *                                                                          | 65,7                                                                               | 127,1                                                                              | 33 200 *                                                                            |
| 44,0 | 62,9                                                                              | 125,4                                                                             | 31 400 *                                                                          | 64,1                                                                               | 126,1                                                                              | 32 200                                                                              |
| 46,0 | 61,3                                                                              | 124,3                                                                             | 30 400 *                                                                          | 62,6                                                                               | 125,1                                                                              | 30 200                                                                              |
| 48,0 | 59,7                                                                              | 123,2                                                                             | 29 300                                                                            | 61,1                                                                               | 124,0                                                                              | 28 300                                                                              |
| 50,0 | 58,1                                                                              | 121,9                                                                             | 27 800                                                                            | 59,5                                                                               | 122,8                                                                              | 26 600                                                                              |
| 52,0 | 56,5                                                                              | 120,6                                                                             | 26 100                                                                            | 57,9                                                                               | 121,6                                                                              | 25 000                                                                              |
| 54,0 | 54,8                                                                              | 119,2                                                                             | 24 600                                                                            | 56,2                                                                               | 120,3                                                                              | 23 500                                                                              |
| 56,0 | 53,1                                                                              | 117,7                                                                             | 23 300                                                                            | 54,6                                                                               | 118,8                                                                              | 22 200                                                                              |
| 58,0 | 51,4                                                                              | 116,2                                                                             | 21 900                                                                            | 52,9                                                                               | 117,3                                                                              | 20 900                                                                              |
| 60,0 | 49,6                                                                              | 114,5                                                                             | 20 800                                                                            | 51,1                                                                               | 115,8                                                                              | 19 800                                                                              |
| 62,0 | 47,8                                                                              | 112,7                                                                             | 19 600                                                                            | 49,3                                                                               | 114,1                                                                              | 18 700                                                                              |
| 64,0 | 45,9                                                                              | 110,8                                                                             | 18 600                                                                            | 47,5                                                                               | 112,2                                                                              | 17 700                                                                              |
| 66,0 | 43,9                                                                              | 108,7                                                                             | 17 600                                                                            | 45,6                                                                               | 110,3                                                                              | 16 700                                                                              |
| 68,0 | 41,9                                                                              | 106,6                                                                             | 16 700                                                                            | 43,6                                                                               | 108,2                                                                              | 15 900                                                                              |
| 70,0 | 39,8                                                                              | 104,2                                                                             | 15 800                                                                            | 41,6                                                                               | 106,0                                                                              | 15 000                                                                              |
| 72,0 | 37,6                                                                              | 101,7                                                                             | 15 000                                                                            | 39,5                                                                               | 103,7                                                                              | 14 200                                                                              |
| 74,0 | 35,3                                                                              | 98,9                                                                              | 14 200                                                                            | 37,2                                                                               | 101,1                                                                              | 13 500                                                                              |
| 76,0 | 32,8                                                                              | 95,9                                                                              | 13 500                                                                            | 34,9                                                                               | 98,3                                                                               | 12 800                                                                              |
| 80,0 | 27,3                                                                              | 88,8                                                                              | 11 600 *                                                                          | 29,7                                                                               | 91,8                                                                               | 11 500                                                                              |
| 84,0 | 20,4                                                                              | 79,5                                                                              | 9 300 *                                                                           | 23,5                                                                               | 83,6                                                                               | 9 600 *                                                                             |
| 88,0 | 9,3                                                                               | 63,8                                                                              | 6 600 *                                                                           | 15,0                                                                               | 71,8                                                                               | 7 300 *                                                                             |



REFERENCE  
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# 16000 S-3

ANSI B30.5



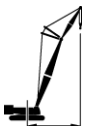
150 590 kg  
+  
54 430 kg



54,0 m

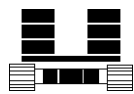
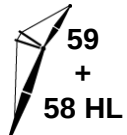


24,0 m

|                                                                                     |  87° |                                                                                     |                                                                                      |  85° |                                                                                     |                                                                                      |  80° |                                                                                       |                                                                                        |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  m |  o   |  m |  kg |  o   |  m |  kg |  o   |  m |  kg |  m |
| 13,7                                                                                | 71,3                                                                                  | 79,5                                                                                | 118 900 *d                                                                           |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 13,7                                                                                  |
| 14,0                                                                                | 70,6                                                                                  | 79,4                                                                                | 117 400 *d                                                                           |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 14,0                                                                                  |
| 16,0                                                                                | 65,4                                                                                  | 78,5                                                                                | 107 000 *b                                                                           | 70,3                                                                                  | 79,2                                                                                | 110 000 *d                                                                           |                                                                                         |                                                                                       |                                                                                        | 16,0                                                                                  |
| 18,0                                                                                | 59,9                                                                                  | 77,4                                                                                | 97 800 *b                                                                            | 65,1                                                                                  | 78,3                                                                                | 100 600 *b                                                                           |                                                                                         |                                                                                       |                                                                                        | 18,0                                                                                  |
| 20,0                                                                                | 54,1                                                                                  | 76,0                                                                                | 89 600 *                                                                             | 59,6                                                                                  | 77,2                                                                                | 92 100 *b                                                                            |                                                                                         |                                                                                       |                                                                                        | 20,0                                                                                  |
| 22,0                                                                                | 47,8                                                                                  | 74,2                                                                                | 82 200 *                                                                             | 53,8                                                                                  | 75,7                                                                                | 84 600 *b                                                                            |                                                                                         |                                                                                       |                                                                                        | 22,0                                                                                  |
| 24,0                                                                                | 40,7                                                                                  | 72,1                                                                                | 75 600 *                                                                             | 47,4                                                                                  | 74,0                                                                                | 77 700 *                                                                             | 61,6                                                                                    | 76,9                                                                                  | 74 100 b                                                                               | 24,0                                                                                  |
| 26,0                                                                                | 32,3                                                                                  | 69,2                                                                                | 69 500 *                                                                             | 40,3                                                                                  | 71,8                                                                                | 71 600                                                                               | 55,9                                                                                    | 75,6                                                                                  | 66 800 b                                                                               | 26,0                                                                                  |
| 28,0                                                                                | 20,8                                                                                  | 64,8                                                                                | 63 300 *                                                                             | 31,8                                                                                  | 68,8                                                                                | 65 800                                                                               | 49,7                                                                                    | 73,9                                                                                  | 60 700                                                                                 | 28,0                                                                                  |
| 30,0                                                                                |                                                                                       |                                                                                     |                                                                                      | 20,0                                                                                  | 64,3                                                                                | 59 200                                                                               | 42,9                                                                                    | 71,9                                                                                  | 55 500                                                                                 | 30,0                                                                                  |
| 32,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 35,0                                                                                    | 69,2                                                                                  | 51 100                                                                                 | 32,0                                                                                  |
| 34,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 24,8                                                                                    | 65,5                                                                                  | 47 100                                                                                 | 34,0                                                                                  |
| 36,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 36,0                                                                                  |
| 38,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 38,0                                                                                  |
| 40,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 40,0                                                                                  |
| 42,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 42,0                                                                                  |
| 44,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 44,0                                                                                  |
| 46,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 46,0                                                                                  |
| 48,0                                                                                |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 48,0                                                                                  |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



54,0 m

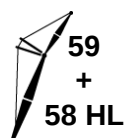


24,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 13,7                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 57,7                                                                                   | 74,9                                                                                   | 51 000 b                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 51,7                                                                                   | 73,4                                                                                   | 46 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 45,1                                                                                   | 71,5                                                                                   | 43 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 37,6                                                                                   | 69,1                                                                                   | 40 200                                                                                  | 53,2                                                                                   | 72,3                                                                                   | 36 500                                                                                  |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 28,3                                                                                   | 65,7                                                                                   | 37 300                                                                                  | 46,8                                                                                   | 70,5                                                                                   | 34 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 39,6                                                                                   | 68,2                                                                                   | 31 700                                                                                  |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 30,9                                                                                   | 65,2                                                                                   | 29 600                                                                                  | 48,0                                                                                     | 69,0                                                                                     | 26 700                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 18,6                                                                                   | 60,5                                                                                   | 27 700                                                                                  | 41,0                                                                                     | 66,8                                                                                     | 25 000                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 32,6                                                                                     | 63,9                                                                                     | 23 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 21,4                                                                                     | 59,7                                                                                     | 21 900                                                                                    | 48,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



54,0 m

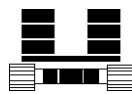
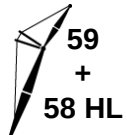


30,0 m

|                                                                                        |  87°  |                                                                                        |                                                                                         |  85°  |                                                                                        |                                                                                         |  80°  |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 15,2                                                                                   | 72,1                                                                                   | 85,3                                                                                   | 105 300 *c                                                                              |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   | 70,6                                                                                   | 85,0                                                                                   | 102 200 *c                                                                              |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   | 66,4                                                                                   | 84,2                                                                                   | 94 100 *b                                                                               | 70,4                                                                                   | 84,8                                                                                   | 96 300 *b                                                                               |                                                                                          |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   | 62,1                                                                                   | 83,2                                                                                   | 86 900 *b                                                                               | 66,2                                                                                   | 84,0                                                                                   | 89 000 *b                                                                               |                                                                                          |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 57,7                                                                                   | 81,9                                                                                   | 80 400 *                                                                                | 61,9                                                                                   | 82,9                                                                                   | 82 300 *b                                                                               |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 52,9                                                                                   | 80,5                                                                                   | 74 600 *                                                                                | 57,4                                                                                   | 81,7                                                                                   | 76 300 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 47,9                                                                                   | 78,7                                                                                   | 69 300 *                                                                                | 52,7                                                                                   | 80,2                                                                                   | 70 800 *                                                                                | 63,4                                                                                     | 82,6                                                                                     | 66 300 b                                                                                  | 26,0                                                                                     |
| 28,0                                                                                   | 42,3                                                                                   | 76,6                                                                                   | 64 400 *                                                                                | 47,6                                                                                   | 78,5                                                                                   | 65 600                                                                                  | 59,0                                                                                     | 81,5                                                                                     | 60 300                                                                                    | 28,0                                                                                     |
| 30,0                                                                                   | 36,1                                                                                   | 74,0                                                                                   | 59 900 *                                                                                | 42,0                                                                                   | 76,3                                                                                   | 60 000                                                                                  | 54,4                                                                                     | 80,1                                                                                     | 55 200                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   | 28,6                                                                                   | 70,7                                                                                   | 55 800 *                                                                                | 35,7                                                                                   | 73,7                                                                                   | 55 300                                                                                  | 49,4                                                                                     | 78,4                                                                                     | 50 800                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 18,4                                                                                   | 65,7                                                                                   | 50 200 *                                                                                | 28,2                                                                                   | 70,3                                                                                   | 51 000                                                                                  | 44,0                                                                                     | 76,4                                                                                     | 47 000                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 17,7                                                                                   | 65,2                                                                                   | 46 800                                                                                  | 38,0                                                                                     | 74,0                                                                                     | 43 600                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 31,0                                                                                     | 70,9                                                                                     | 40 600                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 21,9                                                                                     | 66,6                                                                                     | 37 900                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 54,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



54,0 m

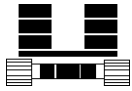
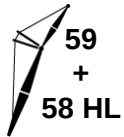


30,0 m

|      | 75°  |      |        | 70°  |      |        | 65°  |      |        |      |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      |      |      |        |      |      |        |      |      |        |      |
|      | m    | o    | m      | kg   | o    | m      | kg   | o    | m      | kg   |
| 15,2 |      |      |        |      |      |        |      |      |        | 15,2 |
| 16,0 |      |      |        |      |      |        |      |      |        | 16,0 |
| 18,0 |      |      |        |      |      |        |      |      |        | 18,0 |
| 20,0 |      |      |        |      |      |        |      |      |        | 20,0 |
| 22,0 |      |      |        |      |      |        |      |      |        | 22,0 |
| 24,0 |      |      |        |      |      |        |      |      |        | 24,0 |
| 26,0 |      |      |        |      |      |        |      |      |        | 26,0 |
| 28,0 |      |      |        |      |      |        |      |      |        | 28,0 |
| 30,0 |      |      |        |      |      |        |      |      |        | 30,0 |
| 32,0 | 60,4 | 80,7 | 46 400 |      |      |        |      |      |        | 32,0 |
| 34,0 | 55,8 | 79,4 | 42 800 |      |      |        |      |      |        | 34,0 |
| 36,0 | 51,0 | 77,8 | 39 700 |      |      |        |      |      |        | 36,0 |
| 38,0 | 45,7 | 76,0 | 37 000 |      |      |        |      |      |        | 38,0 |
| 40,0 | 40,0 | 73,7 | 34 600 | 52,2 | 76,8 | 31 200 |      |      |        | 40,0 |
| 42,0 | 33,3 | 70,9 | 32 300 | 47,1 | 75,0 | 29 200 |      |      |        | 42,0 |
| 44,0 | 25,1 | 67,1 | 30 300 | 41,5 | 72,8 | 27 400 |      |      |        | 44,0 |
| 46,0 |      |      |        | 35,1 | 70,2 | 25 700 | 48,1 | 73,4 | 23 000 | 46,0 |
| 48,0 |      |      |        | 27,4 | 66,7 | 24 200 | 42,6 | 71,3 | 21 600 | 48,0 |
| 50,0 |      |      |        | 16,5 | 61,3 | 22 700 | 36,3 | 68,8 | 20 300 | 50,0 |
| 52,0 |      |      |        |      |      |        | 29,0 | 65,5 | 19 100 | 52,0 |
| 54,0 |      |      |        |      |      |        | 18,9 | 60,6 | 18 000 | 54,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



54,0 m

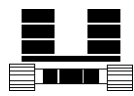
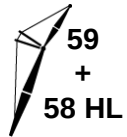


36,0 m

|      | 87°  |      |           | 85°  |      |           | 80°  |      |        |      |
|------|------|------|-----------|------|------|-----------|------|------|--------|------|
|      |      |      |           |      |      |           |      |      |        |      |
|      | m    | o    | m         | kg   | o    | m         | kg   | o    | m      | kg   |
| 16,8 | 72,7 | 91,1 | 93 100 *b |      |      |           |      |      |        | 16,8 |
| 18,0 | 70,6 | 90,7 | 89 000 *b |      |      |           |      |      |        | 18,0 |
| 20,0 | 67,1 | 89,9 | 82 800 *b | 70,4 | 90,5 | 84 400 *b |      |      |        | 20,0 |
| 22,0 | 63,6 | 88,9 | 77 100 *  | 66,9 | 89,7 | 78 600 *b |      |      |        | 22,0 |
| 24,0 | 59,9 | 87,8 | 71 900 *  | 63,4 | 88,7 | 73 300 *  |      |      |        | 24,0 |
| 26,0 | 56,1 | 86,5 | 67 100 *  | 59,7 | 87,5 | 68 500 *  |      |      |        | 26,0 |
| 28,0 | 52,1 | 84,9 | 62 800 *  | 55,9 | 86,2 | 64 000 *  | 64,7 | 88,3 | 59 700 | 28,0 |
| 30,0 | 47,9 | 83,2 | 58 800 *  | 51,9 | 84,7 | 59 600    | 61,0 | 87,3 | 54 500 | 30,0 |
| 32,0 | 43,4 | 81,2 | 55 200 *  | 47,7 | 82,9 | 54 800    | 57,3 | 86,0 | 50 200 | 32,0 |
| 34,0 | 38,4 | 78,7 | 51 700 *  | 43,1 | 80,9 | 50 700    | 53,4 | 84,6 | 46 400 | 34,0 |
| 36,0 | 32,7 | 75,8 | 48 500 *  | 38,1 | 78,4 | 47 100    | 49,2 | 82,9 | 43 100 | 36,0 |
| 38,0 | 25,9 | 72,1 | 44 800 *  | 32,4 | 75,5 | 43 800    | 44,8 | 80,9 | 40 100 | 38,0 |
| 40,0 | 16,6 | 66,6 | 40 300 *  | 25,5 | 71,7 | 40 900    | 39,9 | 78,6 | 37 400 | 40,0 |
| 42,0 |      |      |           | 16,0 | 66,0 | 37 700    | 34,5 | 75,9 | 35 100 | 42,0 |
| 44,0 |      |      |           |      |      |           | 28,1 | 72,4 | 32 900 | 44,0 |
| 46,0 |      |      |           |      |      |           | 19,9 | 67,7 | 30 900 | 46,0 |
| 48,0 |      |      |           |      |      |           |      |      |        | 48,0 |
| 50,0 |      |      |           |      |      |           |      |      |        | 50,0 |
| 52,0 |      |      |           |      |      |           |      |      |        | 52,0 |
| 54,0 |      |      |           |      |      |           |      |      |        | 54,0 |
| 56,0 |      |      |           |      |      |           |      |      |        | 56,0 |
| 58,0 |      |      |           |      |      |           |      |      |        | 58,0 |
| 60,0 |      |      |           |      |      |           |      |      |        | 60,0 |

# 16000 S-3

ANSI B30.5



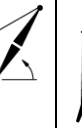
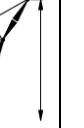
150 590 kg  
+  
54 430 kg



54,0 m

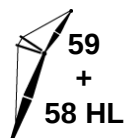


36,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 16,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 58,5                                                                                   | 85,3                                                                                   | 39 100                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 54,6                                                                                   | 83,9                                                                                   | 36 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 50,5                                                                                   | 82,3                                                                                   | 33 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 46,2                                                                                   | 80,5                                                                                   | 31 800                                                                                  | 55,6                                                                                   | 82,8                                                                                   | 28 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 41,5                                                                                   | 78,3                                                                                   | 29 800                                                                                  | 51,6                                                                                   | 81,2                                                                                   | 26 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 36,2                                                                                   | 75,7                                                                                   | 28 000                                                                                  | 47,3                                                                                   | 79,5                                                                                   | 25 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 30,2                                                                                   | 72,5                                                                                   | 26 300                                                                                  | 42,7                                                                                   | 77,4                                                                                   | 23 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 22,8                                                                                   | 68,2                                                                                   | 24 800                                                                                  | 37,6                                                                                   | 74,9                                                                                   | 22 200                                                                                  | 48,1                                                                                   | 77,9                                                                                    | 19 600                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 31,9                                                                                   | 71,9                                                                                   | 20 900                                                                                  | 43,6                                                                                   | 75,9                                                                                    | 18 400                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 24,9                                                                                   | 68,0                                                                                   | 19 700                                                                                  | 38,6                                                                                   | 73,5                                                                                    | 17 400                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 14,9                                                                                   | 62,0                                                                                   | 18 600                                                                                  | 33,0                                                                                   | 70,6                                                                                    | 16 400                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 26,3                                                                                   | 66,9                                                                                    | 15 500                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 17,1                                                                                   | 61,5                                                                                    | 14 600                                                                                    | 60,0                                                                                     |

# 16000 S-3

ANSI B30.5



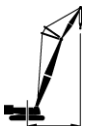
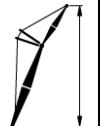
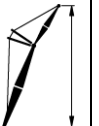
150 590 kg  
+  
54 430 kg



54,0 m

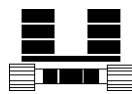
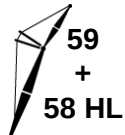


42,0 m

| <br>m | <br>87° |                                                                                        |                                                                                         | <br>85° |                                                                                        |                                                                                         | <br>80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg |                                                                                          |
| 18,3                                                                                   | 73,0                                                                                     | 96,9                                                                                   | 83 500 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   | 70,6                                                                                     | 96,4                                                                                   | 78 900 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 67,6                                                                                     | 95,6                                                                                   | 73 900 *                                                                                | 70,4                                                                                     | 96,2                                                                                   | 75 200 *b                                                                               |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 64,6                                                                                     | 94,6                                                                                   | 69 300 *                                                                                | 67,5                                                                                     | 95,3                                                                                   | 70 500 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 61,5                                                                                     | 93,6                                                                                   | 65 100 *                                                                                | 64,5                                                                                     | 94,4                                                                                   | 66 100 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 58,3                                                                                     | 92,3                                                                                   | 61 100 *                                                                                | 61,4                                                                                     | 93,3                                                                                   | 62 100 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 55,0                                                                                     | 91,0                                                                                   | 57 400 *                                                                                | 58,2                                                                                     | 92,1                                                                                   | 58 400 *                                                                                | 65,5                                                                                       | 94,1                                                                                     | 54 100                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   | 51,6                                                                                     | 89,4                                                                                   | 54 100 *                                                                                | 54,9                                                                                     | 90,7                                                                                   | 54 400                                                                                  | 62,5                                                                                       | 93,0                                                                                     | 49 700                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 48,0                                                                                     | 87,7                                                                                   | 50 900 *                                                                                | 51,4                                                                                     | 89,2                                                                                   | 50 300                                                                                  | 59,3                                                                                       | 91,9                                                                                     | 45 900                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 44,1                                                                                     | 85,7                                                                                   | 48 000 *                                                                                | 47,8                                                                                     | 87,4                                                                                   | 46 700                                                                                  | 56,0                                                                                       | 90,5                                                                                     | 42 600                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 39,9                                                                                     | 83,4                                                                                   | 45 100                                                                                  | 43,9                                                                                     | 85,4                                                                                   | 43 500                                                                                  | 52,6                                                                                       | 89,1                                                                                     | 39 600                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 35,3                                                                                     | 80,7                                                                                   | 42 200                                                                                  | 39,7                                                                                     | 83,1                                                                                   | 40 700                                                                                  | 49,1                                                                                       | 87,3                                                                                     | 37 000                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 30,1                                                                                     | 77,4                                                                                   | 39 500                                                                                  | 35,1                                                                                     | 80,3                                                                                   | 38 100                                                                                  | 45,3                                                                                       | 85,4                                                                                     | 34 600                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 23,9                                                                                     | 73,3                                                                                   | 36 700                                                                                  | 29,8                                                                                     | 77,1                                                                                   | 35 800                                                                                  | 41,2                                                                                       | 83,2                                                                                     | 32 500                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 15,3                                                                                     | 67,3                                                                                   | 33 000 *                                                                                | 23,5                                                                                     | 72,9                                                                                   | 33 600                                                                                  | 36,8                                                                                       | 80,7                                                                                     | 30 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 14,7                                                                                     | 66,8                                                                                   | 31 100                                                                                  | 31,8                                                                                       | 77,6                                                                                     | 28 800                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 25,9                                                                                       | 73,8                                                                                     | 27 200                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 18,3                                                                                       | 68,6                                                                                     | 25 700                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 66,0                                                                                     |

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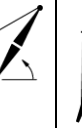
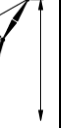
150 590 kg  
+  
54 430 kg



54,0 m

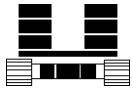
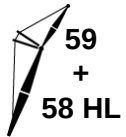


42,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 60,3                                                                                   | 91,1                                                                                   | 35 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 57,1                                                                                   | 89,9                                                                                   | 33 400                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 53,7                                                                                   | 88,4                                                                                   | 31 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 50,2                                                                                   | 86,8                                                                                   | 29 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 46,5                                                                                   | 84,9                                                                                   | 27 500                                                                                  | 54,6                                                                                   | 87,3                                                                                   | 24 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 42,5                                                                                   | 82,8                                                                                   | 25 900                                                                                  | 51,1                                                                                   | 85,7                                                                                   | 23 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 38,2                                                                                   | 80,4                                                                                   | 24 400                                                                                  | 47,4                                                                                   | 83,9                                                                                   | 21 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 33,4                                                                                   | 77,5                                                                                   | 23 100                                                                                  | 43,5                                                                                   | 81,9                                                                                   | 20 400                                                                                  | 51,7                                                                                   | 84,1                                                                                    | 17 800                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 27,9                                                                                   | 74,0                                                                                   | 21 800                                                                                  | 39,3                                                                                   | 79,5                                                                                   | 19 300                                                                                  | 48,1                                                                                   | 82,4                                                                                    | 16 800                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 21,0                                                                                   | 69,3                                                                                   | 20 600                                                                                  | 34,7                                                                                   | 76,8                                                                                   | 18 200                                                                                  | 44,3                                                                                   | 80,4                                                                                    | 15 800                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 29,4                                                                                   | 73,4                                                                                   | 17 200                                                                                  | 40,1                                                                                   | 78,1                                                                                    | 15 000                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 22,9                                                                                   | 69,2                                                                                   | 16 200                                                                                  | 35,5                                                                                   | 75,4                                                                                    | 14 100                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 13,7                                                                                   | 62,7                                                                                   | 15 300                                                                                  | 30,4                                                                                   | 72,2                                                                                    | 13 300                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,2                                                                                   | 68,1                                                                                    | 12 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 15,8                                                                                   | 62,3                                                                                    | 11 800                                                                                    | 66,0                                                                                     |

# 16000 S-3

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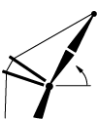
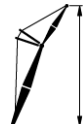
150 590 kg  
+  
54 430 kg



54,0 m

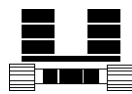
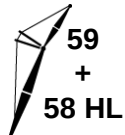


48,0 m

|      |  87° |                                                                                     |                                                                                     |                                                                                      |  85° |                                                                                     |                                                                                      |  80° |                                                                                       |                                                                                        |  |
|------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|      |  m   |  o |  m |  kg |  o   |  m |  kg |  o    |  m |  kg |                                                                                     |
| 19,8 | 73,3                                                                                  | 102,8                                                                               | 75 000 *                                                                            |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 19,8                                                                                |
| 20,0 | 73,1                                                                                  | 102,7                                                                               | 74 600 *                                                                            |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 20,0                                                                                |
| 22,0 | 70,6                                                                                  | 102,0                                                                               | 70 300 *                                                                            |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 22,0                                                                                |
| 24,0 | 68,0                                                                                  | 101,2                                                                               | 66 200 *                                                                            | 70,4                                                                                 | 101,8                                                                                 | 67 200 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 24,0                                                                                |
| 26,0 | 65,4                                                                                  | 100,3                                                                               | 62 400 *                                                                            | 67,9                                                                                 | 101,0                                                                                 | 63 300 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 26,0                                                                                |
| 28,0 | 62,7                                                                                  | 99,3                                                                                | 58 800 *                                                                            | 65,2                                                                                 | 100,1                                                                                 | 59 700 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 28,0                                                                                |
| 30,0 | 60,0                                                                                  | 98,2                                                                                | 55 500 *                                                                            | 62,6                                                                                 | 99,1                                                                                  | 56 300 *                                                                            |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 30,0                                                                                |
| 32,0 | 57,1                                                                                  | 96,9                                                                                | 52 400 *                                                                            | 59,8                                                                                 | 97,9                                                                                  | 53 200 *                                                                            | 66,2                                                                                 | 99,7                                                                                    | 48 900                                                                                |                                                                                        | 32,0                                                                                |
| 34,0 | 54,2                                                                                  | 95,5                                                                                | 49 500 *                                                                            | 57,0                                                                                 | 96,7                                                                                  | 49 900                                                                              | 63,5                                                                                 | 98,7                                                                                    | 45 200                                                                                |                                                                                        | 34,0                                                                                |
| 36,0 | 51,2                                                                                  | 93,9                                                                                | 46 900 *                                                                            | 54,0                                                                                 | 95,2                                                                                  | 46 200                                                                              | 60,8                                                                                 | 97,7                                                                                    | 41 900                                                                                |                                                                                        | 36,0                                                                                |
| 38,0 | 48,0                                                                                  | 92,1                                                                                | 44 400 *                                                                            | 51,0                                                                                 | 93,7                                                                                  | 43 000                                                                              | 58,0                                                                                 | 96,4                                                                                    | 39 000                                                                                |                                                                                        | 38,0                                                                                |
| 40,0 | 44,6                                                                                  | 90,2                                                                                | 41 700                                                                              | 47,8                                                                                 | 91,9                                                                                  | 40 200                                                                              | 55,1                                                                                 | 95,1                                                                                    | 36 400                                                                                |                                                                                        | 40,0                                                                                |
| 42,0 | 41,1                                                                                  | 87,9                                                                                | 39 100                                                                              | 44,4                                                                                 | 89,9                                                                                  | 37 600                                                                              | 52,1                                                                                 | 93,5                                                                                    | 34 000                                                                                |                                                                                        | 42,0                                                                                |
| 44,0 | 37,2                                                                                  | 85,4                                                                                | 36 700                                                                              | 40,9                                                                                 | 87,7                                                                                  | 35 300                                                                              | 48,9                                                                                 | 91,8                                                                                    | 31 900                                                                                |                                                                                        | 44,0                                                                                |
| 46,0 | 32,9                                                                                  | 82,4                                                                                | 34 500                                                                              | 37,0                                                                                 | 85,1                                                                                  | 33 200                                                                              | 45,6                                                                                 | 89,9                                                                                    | 30 000                                                                                |                                                                                        | 46,0                                                                                |
| 48,0 | 28,1                                                                                  | 78,9                                                                                | 32 500                                                                              | 32,7                                                                                 | 82,1                                                                                  | 31 300                                                                              | 42,1                                                                                 | 87,8                                                                                    | 28 200                                                                                |                                                                                        | 48,0                                                                                |
| 50,0 | 22,3                                                                                  | 74,5                                                                                | 30 300                                                                              | 27,8                                                                                 | 78,5                                                                                  | 29 600                                                                              | 38,4                                                                                 | 85,3                                                                                    | 26 700                                                                                |                                                                                        | 50,0                                                                                |
| 52,0 |                                                                                       |                                                                                     |                                                                                     | 21,9                                                                                 | 74,0                                                                                  | 27 900                                                                              | 34,2                                                                                 | 82,5                                                                                    | 25 200                                                                                |                                                                                        | 52,0                                                                                |
| 54,0 |                                                                                       |                                                                                     |                                                                                     | 13,7                                                                                 | 67,4                                                                                  | 25 600 *                                                                            | 29,6                                                                                 | 79,2                                                                                    | 23 800                                                                                |                                                                                        | 54,0                                                                                |
| 56,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     | 24,1                                                                                 | 75,1                                                                                    | 22 600                                                                                |                                                                                        | 56,0                                                                                |
| 58,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     | 17,0                                                                                 | 69,5                                                                                    | 21 300                                                                                |                                                                                        | 58,0                                                                                |
| 60,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 60,0                                                                                |
| 62,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 62,0                                                                                |
| 64,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 64,0                                                                                |
| 66,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 66,0                                                                                |
| 68,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 68,0                                                                                |
| 70,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 70,0                                                                                |
| 72,0 |                                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                       |                                                                                        | 72,0                                                                                |

# 16000 S-3

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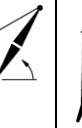
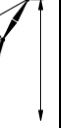
150 590 kg  
+  
54 430 kg



54,0 m

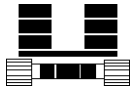
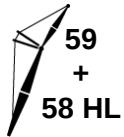


48,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 19,8                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 19,8                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 61,6                                                                                   | 96,9                                                                                   | 32 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 58,9                                                                                   | 95,7                                                                                   | 30 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 56,0                                                                                   | 94,4                                                                                   | 28 500                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 53,0                                                                                   | 92,9                                                                                   | 26 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 49,9                                                                                   | 91,3                                                                                   | 25 200                                                                                  | 56,7                                                                                   | 93,2                                                                                   | 22 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 46,7                                                                                   | 89,4                                                                                   | 23 700                                                                                  | 53,8                                                                                   | 91,8                                                                                   | 20 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 43,3                                                                                   | 87,4                                                                                   | 22 400                                                                                  | 50,7                                                                                   | 90,2                                                                                   | 19 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 39,6                                                                                   | 85,0                                                                                   | 21 100                                                                                  | 47,5                                                                                   | 88,4                                                                                   | 18 600                                                                                  |                                                                                        |                                                                                         |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 35,6                                                                                   | 82,3                                                                                   | 20 000                                                                                  | 44,1                                                                                   | 86,4                                                                                   | 17 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   | 31,1                                                                                   | 79,2                                                                                   | 18 900                                                                                  | 40,5                                                                                   | 84,1                                                                                   | 16 500                                                                                  | 48,1                                                                                   | 86,8                                                                                    | 14 200                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 26,0                                                                                   | 75,3                                                                                   | 17 900                                                                                  | 36,6                                                                                   | 81,5                                                                                   | 15 600                                                                                  | 44,8                                                                                   | 84,9                                                                                    | 13 300                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 19,5                                                                                   | 70,3                                                                                   | 17 000                                                                                  | 32,3                                                                                   | 78,5                                                                                   | 14 800                                                                                  | 41,2                                                                                   | 82,7                                                                                    | 12 600                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 9,3                                                                                    | 62,0                                                                                   | 16 000                                                                                  | 27,4                                                                                   | 74,9                                                                                   | 14 000                                                                                  | 37,4                                                                                   | 80,1                                                                                    | 11 900                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 21,3                                                                                   | 70,3                                                                                   | 13 200                                                                                  | 33,1                                                                                   | 77,2                                                                                    | 11 200                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 12,7                                                                                   | 63,3                                                                                   | 12 400                                                                                  | 28,3                                                                                   | 73,7                                                                                    | 10 600                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,5                                                                                   | 69,3                                                                                    | 10 000                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 14,7                                                                                   | 63,0                                                                                    | 9 300                                                                                     | 72,0                                                                                     |

# 16000 S-3

ANSI B30.5



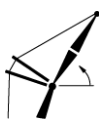
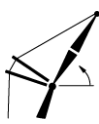
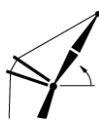
150 590 kg  
+  
54 430 kg



54,0 m

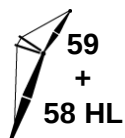


54,0 m

|      |  87°  |                                                                                        |                                                                                        |  85° |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |  |      |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      | <br>m | <br>o | <br>m | kg                                                                                    | <br>o | <br>m | kg                                                                                      | <br>o | <br>m |                                                                                     | kg   |
| 21,3 | 73,5                                                                                   | 108,6                                                                                  | 67 700 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 21,3 |
| 22,0 | 72,8                                                                                   | 108,4                                                                                  | 66 500 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 22,0 |
| 24,0 | 70,6                                                                                   | 107,7                                                                                  | 63 000 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 24,0 |
| 26,0 | 68,3                                                                                   | 106,9                                                                                  | 59 600 *                                                                               | 70,4                                                                                  | 107,5                                                                                  | 60 400 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 26,0 |
| 28,0 | 66,0                                                                                   | 106,0                                                                                  | 56 400 *                                                                               | 68,2                                                                                  | 106,7                                                                                  | 57 200 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 28,0 |
| 30,0 | 63,6                                                                                   | 105,0                                                                                  | 53 400 *                                                                               | 65,8                                                                                  | 105,8                                                                                  | 54 100 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 30,0 |
| 32,0 | 61,2                                                                                   | 103,9                                                                                  | 50 700 *                                                                               | 63,5                                                                                  | 104,8                                                                                  | 51 300 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 32,0 |
| 34,0 | 58,7                                                                                   | 102,7                                                                                  | 48 000 *                                                                               | 61,1                                                                                  | 103,7                                                                                  | 48 500 *                                                                               | 66,7                                                                                    | 105,4                                                                                   | 44 600                                                                                   |                                                                                     | 34,0 |
| 36,0 | 56,2                                                                                   | 101,4                                                                                  | 45 500 *                                                                               | 58,6                                                                                  | 102,5                                                                                  | 45 700                                                                                 | 64,3                                                                                    | 104,5                                                                                   | 41 300                                                                                   |                                                                                     | 36,0 |
| 38,0 | 53,6                                                                                   | 100,0                                                                                  | 43 200 *                                                                               | 56,0                                                                                  | 101,2                                                                                  | 42 500                                                                                 | 61,9                                                                                    | 103,4                                                                                   | 38 400                                                                                   |                                                                                     | 38,0 |
| 40,0 | 50,8                                                                                   | 98,4                                                                                   | 41 000                                                                                 | 53,4                                                                                  | 99,7                                                                                   | 39 700                                                                                 | 59,5                                                                                    | 102,2                                                                                   | 35 800                                                                                   |                                                                                     | 40,0 |
| 42,0 | 48,0                                                                                   | 96,6                                                                                   | 38 700                                                                                 | 50,7                                                                                  | 98,1                                                                                   | 37 200                                                                                 | 56,9                                                                                    | 101,0                                                                                   | 33 500                                                                                   |                                                                                     | 42,0 |
| 44,0 | 45,0                                                                                   | 94,7                                                                                   | 36 300                                                                                 | 47,9                                                                                  | 96,3                                                                                   | 34 900                                                                                 | 54,3                                                                                    | 99,6                                                                                    | 31 400                                                                                   |                                                                                     | 44,0 |
| 46,0 | 41,9                                                                                   | 92,5                                                                                   | 34 100                                                                                 | 44,9                                                                                  | 94,4                                                                                   | 32 800                                                                                 | 51,7                                                                                    | 98,0                                                                                    | 29 500                                                                                   |                                                                                     | 46,0 |
| 48,0 | 38,6                                                                                   | 90,1                                                                                   | 32 200                                                                                 | 41,7                                                                                  | 92,2                                                                                   | 30 900                                                                                 | 48,9                                                                                    | 96,3                                                                                    | 27 700                                                                                   |                                                                                     | 48,0 |
| 50,0 | 34,9                                                                                   | 87,3                                                                                   | 30 400                                                                                 | 38,4                                                                                  | 89,7                                                                                   | 29 200                                                                                 | 45,9                                                                                    | 94,4                                                                                    | 26 200                                                                                   |                                                                                     | 50,0 |
| 52,0 | 31,0                                                                                   | 84,1                                                                                   | 28 700                                                                                 | 34,7                                                                                  | 87,0                                                                                   | 27 600                                                                                 | 42,9                                                                                    | 92,3                                                                                    | 24 700                                                                                   |                                                                                     | 52,0 |
| 54,0 | 26,4                                                                                   | 80,3                                                                                   | 27 100                                                                                 | 30,7                                                                                  | 83,8                                                                                   | 26 100                                                                                 | 39,6                                                                                    | 89,9                                                                                    | 23 300                                                                                   |                                                                                     | 54,0 |
| 56,0 | 20,9                                                                                   | 75,6                                                                                   | 25 100 *                                                                               | 26,1                                                                                  | 79,9                                                                                   | 24 700                                                                                 | 36,1                                                                                    | 87,3                                                                                    | 22 100                                                                                   |                                                                                     | 56,0 |
| 58,0 |                                                                                        |                                                                                        |                                                                                        | 20,6                                                                                  | 75,1                                                                                   | 23 400                                                                                 | 32,2                                                                                    | 84,2                                                                                    | 20 900                                                                                   |                                                                                     | 58,0 |
| 60,0 |                                                                                        |                                                                                        |                                                                                        | 12,9                                                                                  | 68,1                                                                                   | 21 100 *                                                                               | 27,8                                                                                    | 80,7                                                                                    | 19 800                                                                                   |                                                                                     | 60,0 |
| 62,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 22,7                                                                                    | 76,3                                                                                    | 18 800                                                                                   |                                                                                     | 62,0 |
| 64,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 16,0                                                                                    | 70,3                                                                                    | 17 800                                                                                   |                                                                                     | 64,0 |
| 66,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 66,0 |
| 68,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 68,0 |
| 70,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 70,0 |
| 72,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 72,0 |
| 74,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 74,0 |

# 16000 S-3

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150 590 kg  
+  
54 430 kg



54,0 m

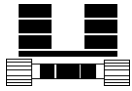
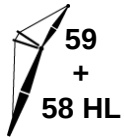


54,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | o    | m     | kg     | o    | m    | kg     |
| 21,3 |      |       |        |      |      |        |
| 22,0 |      |       |        |      |      |        |
| 24,0 |      |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 |      |       |        |      |      |        |
| 44,0 | 60,2 | 101,5 | 27 900 |      |      |        |
| 46,0 | 57,7 | 100,3 | 26 200 |      |      |        |
| 48,0 | 55,2 | 98,9  | 24 600 |      |      |        |
| 50,0 | 52,5 | 97,4  | 23 100 |      |      |        |
| 52,0 | 49,7 | 95,7  | 21 800 | 55,8 | 97,8 | 19 000 |
| 54,0 | 46,9 | 93,9  | 20 600 | 53,2 | 96,3 | 17 900 |
| 56,0 | 43,8 | 91,9  | 19 500 | 50,5 | 94,7 | 16 900 |
| 58,0 | 40,6 | 89,6  | 18 400 | 47,6 | 92,9 | 16 000 |
| 60,0 | 37,2 | 87,1  | 17 400 | 44,6 | 90,9 | 15 000 |
| 62,0 | 33,4 | 84,1  | 16 500 | 41,5 | 88,7 | 14 200 |
| 64,0 | 29,3 | 80,7  | 15 600 | 38,1 | 86,2 | 13 400 |
| 66,0 | 24,4 | 76,6  | 14 800 | 34,4 | 83,4 | 12 700 |
| 68,0 | 18,4 | 71,3  | 14 000 | 30,4 | 80,2 | 12 000 |
| 70,0 | 8,7  | 62,4  | 13 200 | 25,7 | 76,3 | 11 300 |
| 72,0 |      |       |        | 20,1 | 71,3 | 10 700 |
| 74,0 |      |       |        | 12,0 | 64,0 | 10 100 |

# 16000 S-3

ANSI B30.5



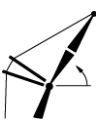
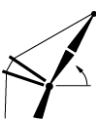
150 590 kg  
+  
54 430 kg

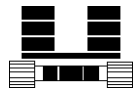
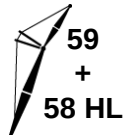


54,0 m



60,0 m

|      |  87°  |                                                                                        |                                                                                        |  85° |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |  |      |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      | <br>m | <br>o | <br>m | kg                                                                                    | <br>o | <br>m | kg                                                                                      | <br>o | <br>m |                                                                                     | kg   |
| 22,9 | 73,7                                                                                   | 114,4                                                                                  | 58 500 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 22,9 |
| 24,0 | 72,6                                                                                   | 114,0                                                                                  | 58 200 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 24,0 |
| 26,0 | 70,6                                                                                   | 113,3                                                                                  | 56 000 *                                                                               | 72,5                                                                                  | 113,8                                                                                  | 56 600 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 26,0 |
| 28,0 | 68,5                                                                                   | 112,6                                                                                  | 53 200 *                                                                               | 70,4                                                                                  | 113,1                                                                                  | 53 800 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 28,0 |
| 30,0 | 66,4                                                                                   | 111,7                                                                                  | 50 600 *                                                                               | 68,4                                                                                  | 112,3                                                                                  | 51 100 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 30,0 |
| 32,0 | 64,3                                                                                   | 110,7                                                                                  | 48 100 *                                                                               | 66,3                                                                                  | 111,5                                                                                  | 48 600 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 32,0 |
| 34,0 | 62,2                                                                                   | 109,7                                                                                  | 45 800 *                                                                               | 64,2                                                                                  | 110,5                                                                                  | 46 200 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 34,0 |
| 36,0 | 60,0                                                                                   | 108,6                                                                                  | 43 500 *                                                                               | 62,0                                                                                  | 109,5                                                                                  | 43 900 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 36,0 |
| 38,0 | 57,7                                                                                   | 107,3                                                                                  | 41 400 *                                                                               | 59,8                                                                                  | 108,3                                                                                  | 41 800 *                                                                               | 64,9                                                                                    | 110,2                                                                                   | 37 700                                                                                   |                                                                                     | 38,0 |
| 40,0 | 55,4                                                                                   | 105,9                                                                                  | 39 400 *                                                                               | 57,6                                                                                  | 107,1                                                                                  | 39 100                                                                                 | 62,8                                                                                    | 109,2                                                                                   | 35 100                                                                                   |                                                                                     | 40,0 |
| 42,0 | 53,0                                                                                   | 104,5                                                                                  | 37 500 *                                                                               | 55,3                                                                                  | 105,7                                                                                  | 36 600                                                                                 | 60,6                                                                                    | 108,0                                                                                   | 32 800                                                                                   |                                                                                     | 42,0 |
| 44,0 | 50,6                                                                                   | 102,8                                                                                  | 35 700 *                                                                               | 52,9                                                                                  | 104,2                                                                                  | 34 300                                                                                 | 58,4                                                                                    | 106,8                                                                                   | 30 700                                                                                   |                                                                                     | 44,0 |
| 46,0 | 48,0                                                                                   | 101,1                                                                                  | 33 600                                                                                 | 50,4                                                                                  | 102,6                                                                                  | 32 200                                                                                 | 56,1                                                                                    | 105,5                                                                                   | 28 800                                                                                   |                                                                                     | 46,0 |
| 48,0 | 45,4                                                                                   | 99,2                                                                                   | 31 700                                                                                 | 47,9                                                                                  | 100,8                                                                                  | 30 300                                                                                 | 53,7                                                                                    | 104,1                                                                                   | 27 100                                                                                   |                                                                                     | 48,0 |
| 50,0 | 42,6                                                                                   | 97,0                                                                                   | 29 900                                                                                 | 45,2                                                                                  | 98,9                                                                                   | 28 600                                                                                 | 51,3                                                                                    | 102,5                                                                                   | 25 500                                                                                   |                                                                                     | 50,0 |
| 52,0 | 39,6                                                                                   | 94,7                                                                                   | 28 200                                                                                 | 42,4                                                                                  | 96,7                                                                                   | 27 000                                                                                 | 48,8                                                                                    | 100,8                                                                                   | 24 100                                                                                   |                                                                                     | 52,0 |
| 54,0 | 36,5                                                                                   | 92,0                                                                                   | 26 700                                                                                 | 39,5                                                                                  | 94,4                                                                                   | 25 600                                                                                 | 46,2                                                                                    | 98,9                                                                                    | 22 700                                                                                   |                                                                                     | 54,0 |
| 56,0 | 33,1                                                                                   | 89,1                                                                                   | 25 300                                                                                 | 36,3                                                                                  | 91,7                                                                                   | 24 200                                                                                 | 43,4                                                                                    | 96,8                                                                                    | 21 500                                                                                   |                                                                                     | 56,0 |
| 58,0 | 29,3                                                                                   | 85,7                                                                                   | 24 000                                                                                 | 32,9                                                                                  | 88,7                                                                                   | 23 000                                                                                 | 40,5                                                                                    | 94,5                                                                                    | 20 400                                                                                   |                                                                                     | 58,0 |
| 60,0 | 25,0                                                                                   | 81,6                                                                                   | 22 500 *                                                                               | 29,1                                                                                  | 85,3                                                                                   | 21 800                                                                                 | 37,4                                                                                    | 92,0                                                                                    | 19 200                                                                                   |                                                                                     | 60,0 |
| 62,0 | 19,8                                                                                   | 76,6                                                                                   | 20 600 *                                                                               | 24,7                                                                                  | 81,2                                                                                   | 20 700                                                                                 | 34,1                                                                                    | 89,1                                                                                    | 18 300                                                                                   |                                                                                     | 62,0 |
| 64,0 | 12,6                                                                                   | 69,4                                                                                   | 18 200 *                                                                               | 19,5                                                                                  | 76,1                                                                                   | 19 300                                                                                 | 30,5                                                                                    | 85,9                                                                                    | 17 300                                                                                   |                                                                                     | 64,0 |
| 66,0 |                                                                                        |                                                                                        |                                                                                        | 12,1                                                                                  | 68,7                                                                                   | 17 100 *                                                                               | 26,3                                                                                    | 82,1                                                                                    | 16 400                                                                                   |                                                                                     | 66,0 |
| 68,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 21,5                                                                                    | 77,4                                                                                    | 15 600                                                                                   |                                                                                     | 68,0 |
| 70,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 15,1                                                                                    | 71,1                                                                                    | 14 800                                                                                   |                                                                                     | 70,0 |
| 72,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 72,0 |
| 74,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 74,0 |
| 76,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 76,0 |



150 590 kg  
+  
54 430 kg



54,0 m

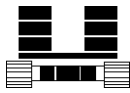
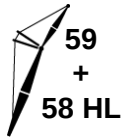


60,0 m

|      | 75°  |       |        |
|------|------|-------|--------|
|      |      |       |        |
|      | m    | o     | kg     |
| 22,9 |      |       |        |
| 24,0 |      |       |        |
| 26,0 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 | 61,3 | 107,3 | 25 400 |
| 48,0 | 59,1 | 106,1 | 23 900 |
| 50,0 | 56,8 | 104,8 | 22 400 |
| 52,0 | 54,5 | 103,4 | 21 100 |
| 54,0 | 52,1 | 101,9 | 19 900 |
| 56,0 | 49,6 | 100,2 | 18 800 |
| 58,0 | 47,0 | 98,4  | 17 700 |
| 60,0 | 44,3 | 96,4  | 16 800 |
| 62,0 | 41,4 | 94,2  | 15 900 |
| 64,0 | 38,4 | 91,7  | 15 000 |
| 66,0 | 35,2 | 89,0  | 14 200 |
| 68,0 | 31,6 | 85,8  | 13 400 |
| 70,0 | 27,7 | 82,2  | 12 700 |
| 72,0 | 23,1 | 77,8  | 12 000 |
| 74,0 | 17,4 | 72,2  | 11 400 |
| 76,0 | 8,2  | 62,8  | 10 700 |

# 16000 S-3

ANSI B30.5



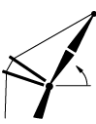
150 590 kg  
+  
54 430 kg

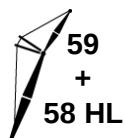


54,0 m



66,0 m

|                                                                                        |  87°  |                                                                                        |                                                                                         |  85°  |                                                                                        |                                                                                         |  80°  |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 24,4                                                                                   | 73,9                                                                                   | 120,2                                                                                  | 50 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,4                                                                                     |
| 26,0                                                                                   | 72,4                                                                                   | 119,7                                                                                  | 50 100 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 70,6                                                                                   | 119,0                                                                                  | 49 500 *                                                                                | 72,3                                                                                   | 119,5                                                                                  | 49 500 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 68,7                                                                                   | 118,2                                                                                  | 48 100 *                                                                                | 70,5                                                                                   | 118,8                                                                                  | 48 500 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 66,8                                                                                   | 117,4                                                                                  | 45 900 *                                                                                | 68,6                                                                                   | 118,0                                                                                  | 46 400 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 64,9                                                                                   | 116,4                                                                                  | 43 800 *                                                                                | 66,7                                                                                   | 117,2                                                                                  | 44 200 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 63,0                                                                                   | 115,4                                                                                  | 41 700 *                                                                                | 64,8                                                                                   | 116,2                                                                                  | 42 100 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 61,0                                                                                   | 114,3                                                                                  | 39 800 *                                                                                | 62,8                                                                                   | 115,2                                                                                  | 40 100 *                                                                                |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 59,0                                                                                   | 113,2                                                                                  | 38 000 *                                                                                | 60,9                                                                                   | 114,1                                                                                  | 38 300                                                                                  | 65,5                                                                                     | 115,9                                                                                    | 34 500                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 56,9                                                                                   | 111,9                                                                                  | 36 200 *                                                                                | 58,8                                                                                   | 112,9                                                                                  | 36 000                                                                                  | 63,5                                                                                     | 114,9                                                                                    | 32 200                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 54,8                                                                                   | 110,5                                                                                  | 34 600 *                                                                                | 56,8                                                                                   | 111,6                                                                                  | 33 700                                                                                  | 61,6                                                                                     | 113,8                                                                                    | 30 100                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 52,6                                                                                   | 109,0                                                                                  | 33 000                                                                                  | 54,7                                                                                   | 110,2                                                                                  | 31 700                                                                                  | 59,6                                                                                     | 112,7                                                                                    | 28 200                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 50,4                                                                                   | 107,3                                                                                  | 31 100                                                                                  | 52,5                                                                                   | 108,7                                                                                  | 29 800                                                                                  | 57,5                                                                                     | 111,4                                                                                    | 26 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 48,0                                                                                   | 105,6                                                                                  | 29 300                                                                                  | 50,2                                                                                   | 107,1                                                                                  | 28 000                                                                                  | 55,4                                                                                     | 110,0                                                                                    | 24 900                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 45,6                                                                                   | 103,6                                                                                  | 27 700                                                                                  | 47,9                                                                                   | 105,3                                                                                  | 26 500                                                                                  | 53,3                                                                                     | 108,6                                                                                    | 23 500                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 43,1                                                                                   | 101,6                                                                                  | 26 200                                                                                  | 45,5                                                                                   | 103,4                                                                                  | 25 000                                                                                  | 51,0                                                                                     | 107,0                                                                                    | 22 100                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 40,5                                                                                   | 99,2                                                                                   | 24 800                                                                                  | 43,0                                                                                   | 101,3                                                                                  | 23 700                                                                                  | 48,7                                                                                     | 105,2                                                                                    | 20 900                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 37,7                                                                                   | 96,7                                                                                   | 23 500                                                                                  | 40,3                                                                                   | 99,0                                                                                   | 22 400                                                                                  | 46,4                                                                                     | 103,4                                                                                    | 19 700                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 34,7                                                                                   | 93,9                                                                                   | 22 300                                                                                  | 37,5                                                                                   | 96,4                                                                                   | 21 300                                                                                  | 43,9                                                                                     | 101,3                                                                                    | 18 700                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 31,5                                                                                   | 90,8                                                                                   | 21 200                                                                                  | 34,5                                                                                   | 93,6                                                                                   | 20 200                                                                                  | 41,3                                                                                     | 99,1                                                                                     | 17 700                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 27,9                                                                                   | 87,2                                                                                   | 20 100                                                                                  | 31,3                                                                                   | 90,4                                                                                   | 19 100                                                                                  | 38,5                                                                                     | 96,6                                                                                     | 16 700                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 23,8                                                                                   | 82,9                                                                                   | 18 600 *                                                                                | 27,7                                                                                   | 86,8                                                                                   | 18 200                                                                                  | 35,6                                                                                     | 93,9                                                                                     | 15 900                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 18,8                                                                                   | 77,6                                                                                   | 16 900 *                                                                                | 23,5                                                                                   | 82,5                                                                                   | 17 300                                                                                  | 32,4                                                                                     | 90,9                                                                                     | 15 000                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 12,0                                                                                   | 70,0                                                                                   | 14 900 *                                                                                | 18,6                                                                                   | 77,1                                                                                   | 15 800                                                                                  | 29,0                                                                                     | 87,4                                                                                     | 14 300                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 11,6                                                                                   | 69,3                                                                                   | 13 900 *                                                                                | 25,1                                                                                     | 83,4                                                                                     | 13 500                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 20,4                                                                                     | 78,4                                                                                     | 12 800                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 14,4                                                                                     | 71,8                                                                                     | 12 100                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 80,0                                                                                     |



150 590 kg  
+  
54 430 kg



54,0 m

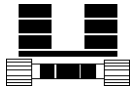
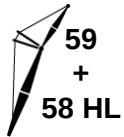


66,0 m

|      | 75°  |       |        |
|------|------|-------|--------|
|      |      |       |        |
|      | m    | o     | kg     |
| 24,4 |      |       |        |
| 26,0 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 |      |       |        |
| 48,0 | 62,2 | 113,1 | 23 200 |
| 50,0 | 60,2 | 111,9 | 21 700 |
| 52,0 | 58,1 | 110,7 | 20 400 |
| 54,0 | 56,1 | 109,4 | 19 200 |
| 56,0 | 53,9 | 107,9 | 18 100 |
| 58,0 | 51,7 | 106,4 | 17 100 |
| 60,0 | 49,5 | 104,7 | 16 100 |
| 62,0 | 47,1 | 102,9 | 15 200 |
| 64,0 | 44,7 | 100,9 | 14 400 |
| 66,0 | 42,1 | 98,7  | 13 600 |
| 68,0 | 39,4 | 96,3  | 12 800 |
| 70,0 | 36,5 | 93,7  | 12 100 |
| 72,0 | 33,5 | 90,8  | 11 500 |
| 74,0 | 30,1 | 87,4  | 10 800 |
| 76,0 | 26,3 | 83,6  | 10 200 |
| 80,0 | 16,5 | 73,1  | 9 100  |

# 16000 S-3

ANSI B30.5



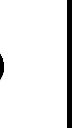
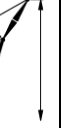
150 590 kg  
+  
54 430 kg



54,0 m



72,0 m

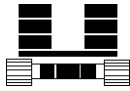
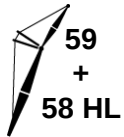
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 25,9                                                                                   | 74,0                                                                                   | 126,0                                                                                  | 43 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 25,9                                                                                     |
| 26,0                                                                                   | 73,9                                                                                   | 126,0                                                                                  | 43 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 72,2                                                                                   | 125,3                                                                                  | 43 100 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 70,6                                                                                   | 124,6                                                                                  | 42 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 68,8                                                                                   | 123,9                                                                                  | 42 000 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 67,1                                                                                   | 123,0                                                                                  | 40 600 *                                                                                | 70,5                                                                                   | 124,4                                                                                  | 42 200 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 65,4                                                                                   | 122,1                                                                                  | 39 200 *                                                                                | 68,8                                                                                   | 123,7                                                                                  | 41 700 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 63,6                                                                                   | 121,2                                                                                  | 37 700 *                                                                                | 67,0                                                                                   | 122,8                                                                                  | 40 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 61,8                                                                                   | 120,1                                                                                  | 36 300 *                                                                                | 65,3                                                                                   | 121,9                                                                                  | 38 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 60,0                                                                                   | 118,9                                                                                  | 34 700 *                                                                                | 63,5                                                                                   | 120,9                                                                                  | 36 600 *                                                                                | 67,6                                                                                   | 122,4                                                                                   | 33 700                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 58,1                                                                                   | 117,7                                                                                  | 33 200 *                                                                                | 61,7                                                                                   | 119,9                                                                                  | 35 000 *                                                                                | 65,9                                                                                   | 121,6                                                                                   | 31 400                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 56,2                                                                                   | 116,4                                                                                  | 31 700 *                                                                                | 59,9                                                                                   | 118,7                                                                                  | 33 100                                                                                  | 64,1                                                                                   | 120,6                                                                                   | 29 400                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 54,2                                                                                   | 115,0                                                                                  | 30 300 *                                                                                | 58,0                                                                                   | 117,5                                                                                  | 31 000                                                                                  | 62,3                                                                                   | 119,6                                                                                   | 27 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 52,2                                                                                   | 113,4                                                                                  | 28 700                                                                                  | 56,1                                                                                   | 116,2                                                                                  | 29 200                                                                                  | 60,5                                                                                   | 118,4                                                                                   | 25 800                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 50,2                                                                                   | 111,8                                                                                  | 27 100                                                                                  | 54,1                                                                                   | 114,7                                                                                  | 27 400                                                                                  | 58,7                                                                                   | 117,2                                                                                   | 24 200                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 48,1                                                                                   | 110,0                                                                                  | 25 600                                                                                  | 52,1                                                                                   | 113,2                                                                                  | 25 800                                                                                  | 56,8                                                                                   | 115,9                                                                                   | 22 700                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 45,9                                                                                   | 108,1                                                                                  | 24 200                                                                                  | 50,1                                                                                   | 111,6                                                                                  | 24 400                                                                                  | 54,8                                                                                   | 114,5                                                                                   | 21 400                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 43,6                                                                                   | 106,1                                                                                  | 22 900                                                                                  | 47,9                                                                                   | 109,8                                                                                  | 23 100                                                                                  | 52,8                                                                                   | 113,1                                                                                   | 20 200                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 41,2                                                                                   | 103,8                                                                                  | 21 700                                                                                  | 45,7                                                                                   | 107,8                                                                                  | 21 800                                                                                  | 50,8                                                                                   | 111,4                                                                                   | 19 000                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 38,7                                                                                   | 101,4                                                                                  | 20 600                                                                                  | 43,4                                                                                   | 105,8                                                                                  | 20 700                                                                                  | 48,7                                                                                   | 109,7                                                                                   | 18 000                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 36,0                                                                                   | 98,7                                                                                   | 19 500                                                                                  | 41,0                                                                                   | 103,5                                                                                  | 19 600                                                                                  | 46,5                                                                                   | 107,8                                                                                   | 17 000                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 33,1                                                                                   | 95,7                                                                                   | 18 600                                                                                  | 38,5                                                                                   | 101,1                                                                                  | 18 600                                                                                  | 44,3                                                                                   | 105,8                                                                                   | 16 100                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 30,1                                                                                   | 92,4                                                                                   | 17 600                                                                                  | 35,8                                                                                   | 98,4                                                                                   | 17 600                                                                                  | 41,9                                                                                   | 103,6                                                                                   | 15 200                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 26,6                                                                                   | 88,6                                                                                   | 16 500 *                                                                                | 33,0                                                                                   | 95,4                                                                                   | 16 700                                                                                  | 39,4                                                                                   | 101,3                                                                                   | 14 400                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 22,7                                                                                   | 84,1                                                                                   | 15 200 *                                                                                | 29,9                                                                                   | 92,0                                                                                   | 15 900                                                                                  | 36,8                                                                                   | 98,7                                                                                    | 13 600                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 18,0                                                                                   | 78,5                                                                                   | 13 600 *                                                                                | 26,4                                                                                   | 88,2                                                                                   | 15 100                                                                                  | 34,0                                                                                   | 95,8                                                                                    | 12 900                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 11,5                                                                                   | 70,6                                                                                   | 11 900 *                                                                                | 22,5                                                                                   | 83,7                                                                                   | 14 100                                                                                  | 31,0                                                                                   | 92,6                                                                                    | 12 200                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 17,7                                                                                   | 78,0                                                                                   | 12 700 *                                                                                | 27,7                                                                                   | 88,9                                                                                    | 11 600                                                                                    | 80,0                                                                                     |
|                                                                                        |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 19,5                                                                                   | 79,5                                                                                    | 10 300                                                                                    |                                                                                          |



REFERENCE  
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# 16000 S-3

ANSI B30.5



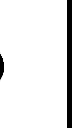
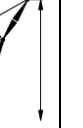
150 590 kg  
+  
54 430 kg



54,0 m



78,0 m

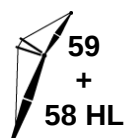
|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 27,4                                                                                   | 74,1                                                                                   | 131,8                                                                                  | 37 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 27,4                                                                                     |
| 28,0                                                                                   | 73,6                                                                                   | 131,6                                                                                  | 37 600 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 72,1                                                                                   | 131,0                                                                                  | 37 300 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 70,6                                                                                   | 130,3                                                                                  | 36 900 *                                                                                | 72,0                                                                                   | 130,8                                                                                  | 36 800 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 69,0                                                                                   | 129,5                                                                                  | 36 500 *                                                                                | 70,5                                                                                   | 130,1                                                                                  | 36 600 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 67,4                                                                                   | 128,7                                                                                  | 35 400 *                                                                                | 68,9                                                                                   | 129,3                                                                                  | 36 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 65,8                                                                                   | 127,8                                                                                  | 34 300 *                                                                                | 67,3                                                                                   | 128,5                                                                                  | 36 100 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 64,2                                                                                   | 126,9                                                                                  | 33 100 *                                                                                | 65,7                                                                                   | 127,6                                                                                  | 34 700 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 62,5                                                                                   | 125,8                                                                                  | 32 000 *                                                                                | 64,1                                                                                   | 126,7                                                                                  | 33 200 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 60,8                                                                                   | 124,7                                                                                  | 30 800 *                                                                                | 62,4                                                                                   | 125,6                                                                                  | 31 800 *                                                                                | 66,3                                                                                   | 127,2                                                                                   | 28 700                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 59,1                                                                                   | 123,6                                                                                  | 29 600 *                                                                                | 60,7                                                                                   | 124,5                                                                                  | 30 400                                                                                  | 64,6                                                                                   | 126,3                                                                                   | 26 900                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 57,4                                                                                   | 122,3                                                                                  | 28 500 *                                                                                | 59,0                                                                                   | 123,3                                                                                  | 28 600                                                                                  | 63,0                                                                                   | 125,3                                                                                   | 25 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 55,6                                                                                   | 120,9                                                                                  | 27 300 *                                                                                | 57,3                                                                                   | 122,1                                                                                  | 26 900                                                                                  | 61,3                                                                                   | 124,2                                                                                   | 23 600                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 53,8                                                                                   | 119,5                                                                                  | 26 300 *                                                                                | 55,5                                                                                   | 120,7                                                                                  | 25 300                                                                                  | 59,6                                                                                   | 123,0                                                                                   | 22 100                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 51,9                                                                                   | 117,9                                                                                  | 25 100                                                                                  | 53,7                                                                                   | 119,2                                                                                  | 23 900                                                                                  | 57,9                                                                                   | 121,8                                                                                   | 20 900                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 50,0                                                                                   | 116,3                                                                                  | 23 700                                                                                  | 51,8                                                                                   | 117,7                                                                                  | 22 600                                                                                  | 56,1                                                                                   | 120,5                                                                                   | 19 600                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 48,1                                                                                   | 114,5                                                                                  | 22 400                                                                                  | 49,9                                                                                   | 116,0                                                                                  | 21 300                                                                                  | 54,3                                                                                   | 119,1                                                                                   | 18 500                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   | 46,0                                                                                   | 112,6                                                                                  | 21 300                                                                                  | 48,0                                                                                   | 114,2                                                                                  | 20 100                                                                                  | 52,5                                                                                   | 117,5                                                                                   | 17 400                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   | 43,9                                                                                   | 110,6                                                                                  | 20 100                                                                                  | 45,9                                                                                   | 112,3                                                                                  | 19 100                                                                                  | 50,6                                                                                   | 115,9                                                                                   | 16 500                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   | 41,8                                                                                   | 108,4                                                                                  | 19 100                                                                                  | 43,8                                                                                   | 110,3                                                                                  | 18 100                                                                                  | 48,7                                                                                   | 114,2                                                                                   | 15 600                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   | 39,5                                                                                   | 106,0                                                                                  | 18 100                                                                                  | 41,6                                                                                   | 108,1                                                                                  | 17 100                                                                                  | 46,6                                                                                   | 112,3                                                                                   | 14 700                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   | 37,1                                                                                   | 103,4                                                                                  | 17 200                                                                                  | 39,3                                                                                   | 105,7                                                                                  | 16 200                                                                                  | 44,6                                                                                   | 110,3                                                                                   | 13 900                                                                                    | 68,0                                                                                     |
| 70,0                                                                                   | 34,5                                                                                   | 100,6                                                                                  | 16 300                                                                                  | 36,9                                                                                   | 103,1                                                                                  | 15 400                                                                                  | 42,4                                                                                   | 108,2                                                                                   | 13 100                                                                                    | 70,0                                                                                     |
| 72,0                                                                                   | 31,8                                                                                   | 97,4                                                                                   | 15 400 *                                                                                | 34,4                                                                                   | 100,2                                                                                  | 14 600                                                                                  | 40,2                                                                                   | 105,8                                                                                   | 12 400                                                                                    | 72,0                                                                                     |
| 74,0                                                                                   | 28,8                                                                                   | 93,9                                                                                   | 14 300 *                                                                                | 31,6                                                                                   | 97,1                                                                                   | 13 800                                                                                  | 37,8                                                                                   | 103,3                                                                                   | 11 700                                                                                    | 74,0                                                                                     |
| 76,0                                                                                   | 25,5                                                                                   | 89,9                                                                                   | 13 200 *                                                                                | 28,7                                                                                   | 93,6                                                                                   | 13 100                                                                                  | 35,3                                                                                   | 100,6                                                                                   | 11 100                                                                                    | 76,0                                                                                     |
| 80,0                                                                                   | 17,3                                                                                   | 79,4                                                                                   | 10 600 *                                                                                | 21,6                                                                                   | 84,8                                                                                   | 11 100 *                                                                                | 29,7                                                                                   | 94,2                                                                                    | 9 900                                                                                     | 80,0                                                                                     |
| 84,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 23,0                                                                                   | 85,9                                                                                    | 8 800                                                                                     | 84,0                                                                                     |
| 88,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 13,2                                                                                   | 73,2                                                                                    | 7 100 *                                                                                   | 88,0                                                                                     |



REFERENCE  
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# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



54,0 m



84,0 m

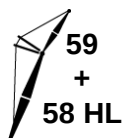
|      | 87°  |       |          | 85°  |       |          |
|------|------|-------|----------|------|-------|----------|
|      |      |       |          |      |       |          |
| m    | o    | m     | kg       | o    | m     | kg       |
| 29,0 | 74,2 | 137,6 | 32 100 * |      |       |          |
| 30,0 | 73,4 | 137,3 | 32 000 * |      |       |          |
| 32,0 | 72,0 | 136,6 | 31 700 * |      |       |          |
| 34,0 | 70,5 | 135,9 | 31 400 * | 71,9 | 136,4 | 31 300 * |
| 36,0 | 69,1 | 135,2 | 31 100 * | 70,5 | 135,7 | 31 000 * |
| 38,0 | 67,6 | 134,4 | 30 800 * | 69,0 | 135,0 | 30 800 * |
| 40,0 | 66,1 | 133,5 | 30 000 * | 67,5 | 134,2 | 30 600 * |
| 42,0 | 64,6 | 132,6 | 29 100 * | 66,0 | 133,3 | 30 300 * |
| 44,0 | 63,1 | 131,6 | 28 200 * | 64,5 | 132,4 | 29 600 * |
| 46,0 | 61,5 | 130,5 | 27 300 * | 63,0 | 131,3 | 28 400 * |
| 48,0 | 60,0 | 129,3 | 26 400 * | 61,5 | 130,3 | 27 200 * |
| 50,0 | 58,4 | 128,1 | 25 400 * | 59,9 | 129,1 | 26 000 * |
| 52,0 | 56,8 | 126,8 | 24 500 * | 58,3 | 127,9 | 24 700   |
| 54,0 | 55,1 | 125,4 | 23 700 * | 56,7 | 126,6 | 23 300   |
| 56,0 | 53,4 | 124,0 | 22 700 * | 55,0 | 125,2 | 21 900   |
| 58,0 | 51,7 | 122,4 | 21 800   | 53,3 | 123,7 | 20 700   |
| 60,0 | 49,9 | 120,7 | 20 700   | 51,6 | 122,2 | 19 500   |
| 62,0 | 48,1 | 119,0 | 19 500   | 49,8 | 120,5 | 18 500   |
| 64,0 | 46,2 | 117,1 | 18 500   | 48,0 | 118,7 | 17 500   |
| 66,0 | 44,3 | 115,1 | 17 500   | 46,1 | 116,8 | 16 500   |
| 68,0 | 42,2 | 112,9 | 16 600   | 44,1 | 114,8 | 15 600   |
| 70,0 | 40,1 | 110,6 | 15 700   | 42,1 | 112,6 | 14 800   |
| 72,0 | 38,0 | 108,1 | 14 900   | 40,0 | 110,3 | 14 000   |
| 74,0 | 35,7 | 105,3 | 14 100   | 37,8 | 107,7 | 13 300   |
| 76,0 | 33,2 | 102,3 | 13 100 * | 35,5 | 105,0 | 12 600   |
| 80,0 | 27,7 | 95,4  | 11 200 * | 30,4 | 98,7  | 11 200   |
| 84,0 | 21,0 | 86,3  | 9 100 *  | 24,4 | 90,8  | 9 400 *  |
| 88,0 | 10,6 | 71,7  | 6 600 *  | 16,4 | 79,7  | 7 200 *  |



REFERENCE  
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# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

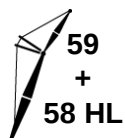


24,0 m

|      | 87°  |      |            | 85°  |      |           | 80°  |      |          |      |
|------|------|------|------------|------|------|-----------|------|------|----------|------|
|      |      |      |            |      |      |           |      |      |          |      |
|      | m    | o    | m          | kg   | o    | m         | kg   | o    | m        | kg   |
| 13,7 | 72,1 | 85,6 | 113 100 *d |      |      |           |      |      |          | 13,7 |
| 14,0 | 71,4 | 85,5 | 111 700 *d |      |      |           |      |      |          | 14,0 |
| 16,0 | 66,2 | 84,6 | 102 100 *c |      |      |           |      |      |          | 16,0 |
| 18,0 | 60,8 | 83,6 | 93 400 *b  | 66,5 | 84,5 | 95 800 *b |      |      |          | 18,0 |
| 20,0 | 55,0 | 82,2 | 85 600 *b  | 61,1 | 83,4 | 87 800 *b |      |      |          | 20,0 |
| 22,0 | 48,8 | 80,5 | 78 600 *   | 55,3 | 82,1 | 80 600 *b |      |      |          | 22,0 |
| 24,0 | 41,9 | 78,4 | 72 200 *   | 49,1 | 80,4 | 74 100 *  | 64,4 | 83,4 | 72 700 b | 24,0 |
| 26,0 | 33,7 | 75,7 | 66 300 *   | 42,2 | 78,4 | 68 200 *  | 58,9 | 82,2 | 65 500 b | 26,0 |
| 28,0 | 23,0 | 71,6 | 60 800 *   | 34,2 | 75,7 | 62 700 *  | 53,0 | 80,7 | 59 500 b | 28,0 |
| 30,0 |      |      |            | 23,7 | 71,7 | 57 500 *  | 46,5 | 78,9 | 54 500   | 30,0 |
| 32,0 |      |      |            |      |      |           | 39,3 | 76,6 | 50 100   | 32,0 |
| 34,0 |      |      |            |      |      |           | 30,5 | 73,6 | 46 300   | 34,0 |
| 36,0 |      |      |            |      |      |           | 17,9 | 68,7 | 42 800   | 36,0 |
| 38,0 |      |      |            |      |      |           |      |      |          | 38,0 |
| 40,0 |      |      |            |      |      |           |      |      |          | 40,0 |
| 42,0 |      |      |            |      |      |           |      |      |          | 42,0 |
| 44,0 |      |      |            |      |      |           |      |      |          | 44,0 |
| 46,0 |      |      |            |      |      |           |      |      |          | 46,0 |
| 48,0 |      |      |            |      |      |           |      |      |          | 48,0 |
| 50,0 |      |      |            |      |      |           |      |      |          | 50,0 |

# 16000 S-3

ANSI B30.5



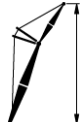
150 590 kg  
+  
54 430 kg



60,0 m

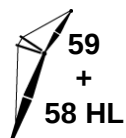


24,0 m

| <br>m | <br>75° |                                                                                        |                                                                                         | <br>70° |                                                                                        |                                                                                         | <br>65° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg |                                                                                          |
| 13,7                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 56,4                                                                                     | 80,4                                                                                   | 45 200 b                                                                                |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 50,3                                                                                     | 78,8                                                                                   | 41 800                                                                                  |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 43,5                                                                                     | 76,8                                                                                   | 38 700                                                                                  |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 35,7                                                                                     | 74,2                                                                                   | 36 000                                                                                  | 53,4                                                                                     | 78,0                                                                                   | 32 100 b                                                                                |                                                                                            |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 25,8                                                                                     | 70,6                                                                                   | 33 600                                                                                  | 47,0                                                                                     | 76,2                                                                                   | 30 000                                                                                  |                                                                                            |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 39,8                                                                                     | 73,9                                                                                   | 28 000                                                                                  |                                                                                            |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 31,2                                                                                     | 70,9                                                                                   | 26 200                                                                                  |                                                                                            |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 43,0                                                                                       | 72,9                                                                                     | 21 600                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 35,1                                                                                       | 70,2                                                                                     | 20 200                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 24,9                                                                                       | 66,5                                                                                     | 19 000                                                                                    | 50,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

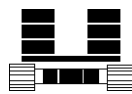
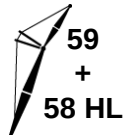


30,0 m

| <br>m | <br>87° |                                                                                        |                                                                                         | <br>85° |                                                                                        |                                                                                         | <br>80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg |                                                                                          |
| 15,2                                                                                   | 72,8                                                                                     | 91,4                                                                                   | 99 900 *c                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   | 71,2                                                                                     | 91,2                                                                                   | 97 000 *c                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   | 67,1                                                                                     | 90,3                                                                                   | 89 600 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   | 62,8                                                                                     | 89,3                                                                                   | 82 800 *b                                                                               | 67,3                                                                                     | 90,2                                                                                   | 84 500 *b                                                                               |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 58,4                                                                                     | 88,1                                                                                   | 76 700 *                                                                                | 63,1                                                                                     | 89,2                                                                                   | 78 200 *b                                                                               |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 53,7                                                                                     | 86,7                                                                                   | 71 200 *                                                                                | 58,6                                                                                     | 88,0                                                                                   | 72 600 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 48,7                                                                                     | 85,0                                                                                   | 66 100 *                                                                                | 53,9                                                                                     | 86,6                                                                                   | 67 400 *                                                                                | 65,7                                                                                       | 89,1                                                                                     | 65 000 b                                                                                  | 26,0                                                                                     |
| 28,0                                                                                   | 43,2                                                                                     | 83,0                                                                                   | 61 400 *                                                                                | 48,9                                                                                     | 84,9                                                                                   | 62 500 *                                                                                | 61,3                                                                                       | 88,0                                                                                     | 59 100 b                                                                                  | 28,0                                                                                     |
| 30,0                                                                                   | 37,1                                                                                     | 80,5                                                                                   | 57 100 *                                                                                | 43,5                                                                                     | 82,9                                                                                   | 58 200 *                                                                                | 56,8                                                                                       | 86,7                                                                                     | 54 100                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   | 29,9                                                                                     | 77,3                                                                                   | 53 000 *                                                                                | 37,4                                                                                     | 80,4                                                                                   | 54 100 *                                                                                | 52,0                                                                                       | 85,2                                                                                     | 49 800                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 20,4                                                                                     | 72,7                                                                                   | 49 000 *                                                                                | 30,3                                                                                     | 77,3                                                                                   | 50 300 *                                                                                | 46,9                                                                                       | 83,4                                                                                     | 46 000                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 21,0                                                                                     | 72,8                                                                                   | 46 400 *                                                                                | 41,2                                                                                       | 81,2                                                                                     | 42 700                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 34,8                                                                                       | 78,5                                                                                     | 39 700                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 27,0                                                                                       | 75,0                                                                                     | 37 100                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 15,8                                                                                       | 69,5                                                                                     | 34 600                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 56,0                                                                                     |

# 16000 S-3

ANSI B30.5



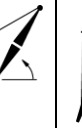
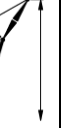
150 590 kg  
+  
54 430 kg



60,0 m

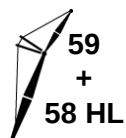


30,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 15,2                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 59,4                                                                                   | 86,3                                                                                   | 41 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 54,8                                                                                   | 84,9                                                                                   | 38 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 49,8                                                                                   | 83,3                                                                                   | 35 600                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 44,5                                                                                   | 81,3                                                                                   | 33 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 38,6                                                                                   | 78,9                                                                                   | 31 100                                                                                  | 52,4                                                                                   | 82,4                                                                                   | 27 500                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 31,7                                                                                   | 75,9                                                                                   | 29 200                                                                                  | 47,3                                                                                   | 80,7                                                                                   | 25 800                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 22,9                                                                                   | 71,8                                                                                   | 27 400                                                                                  | 41,7                                                                                   | 78,5                                                                                   | 24 200                                                                                  |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 35,3                                                                                   | 75,9                                                                                   | 22 700                                                                                  | 49,5                                                                                   | 79,4                                                                                    | 19 700                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 27,6                                                                                   | 72,4                                                                                   | 21 400                                                                                  | 44,1                                                                                   | 77,4                                                                                    | 18 500                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 38,1                                                                                   | 75,0                                                                                    | 17 500                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 31,1                                                                                   | 71,9                                                                                    | 16 400                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,1                                                                                   | 67,6                                                                                    | 15 500                                                                                    | 56,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

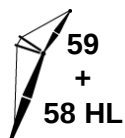


36,0 m

| <br>m | <br>87° |                                                                                        |                                                                                         | <br>85° |                                                                                        |                                                                                         | <br>80° |                                                                                          |                                                                                           | <br>m |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|                                                                                        | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg | <br>o   | <br>m | <br>kg |                                                                                          |
| 16,8                                                                                   | 73,2                                                                                     | 97,2                                                                                   | 88 200 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 16,8                                                                                     |
| 18,0                                                                                   | 71,1                                                                                     | 96,8                                                                                   | 84 500 *b                                                                               |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   | 67,7                                                                                     | 96,0                                                                                   | 78 700 *b                                                                               | 71,3                                                                                     | 96,7                                                                                   | 79 900 *b                                                                               |                                                                                            |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 64,2                                                                                     | 95,1                                                                                   | 73 300 *                                                                                | 67,9                                                                                     | 95,9                                                                                   | 74 500 *b                                                                               |                                                                                            |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 60,5                                                                                     | 93,9                                                                                   | 68 500 *                                                                                | 64,3                                                                                     | 94,9                                                                                   | 69 600 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 56,7                                                                                     | 92,7                                                                                   | 64 000 *                                                                                | 60,7                                                                                     | 93,8                                                                                   | 65 000 *                                                                                |                                                                                            |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 52,8                                                                                     | 91,2                                                                                   | 59 800 *                                                                                | 56,9                                                                                     | 92,6                                                                                   | 60 700 *                                                                                | 66,5                                                                                       | 94,7                                                                                     | 58 400 b                                                                                  | 28,0                                                                                     |
| 30,0                                                                                   | 48,6                                                                                     | 89,5                                                                                   | 56 000 *                                                                                | 53,0                                                                                     | 91,1                                                                                   | 56 800 *                                                                                | 62,9                                                                                       | 93,7                                                                                     | 53 400                                                                                    | 30,0                                                                                     |
| 32,0                                                                                   | 44,1                                                                                     | 87,5                                                                                   | 52 500 *                                                                                | 48,8                                                                                     | 89,4                                                                                   | 53 200 *                                                                                | 59,3                                                                                       | 92,6                                                                                     | 49 100                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 39,2                                                                                     | 85,1                                                                                   | 49 200 *                                                                                | 44,3                                                                                     | 87,4                                                                                   | 49 800 *                                                                                | 55,4                                                                                       | 91,2                                                                                     | 45 400                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 33,7                                                                                     | 82,3                                                                                   | 46 000 *                                                                                | 39,5                                                                                     | 85,1                                                                                   | 46 700                                                                                  | 51,4                                                                                       | 89,7                                                                                     | 42 100                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 27,1                                                                                     | 78,7                                                                                   | 43 000 *                                                                                | 34,0                                                                                     | 82,3                                                                                   | 43 600                                                                                  | 47,1                                                                                       | 87,9                                                                                     | 39 200                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 18,4                                                                                     | 73,6                                                                                   | 39 900 *                                                                                | 27,5                                                                                     | 78,7                                                                                   | 40 700                                                                                  | 42,5                                                                                       | 85,8                                                                                     | 36 600                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   |                                                                                          |                                                                                        |                                                                                         | 19,0                                                                                     | 73,8                                                                                   | 37 600                                                                                  | 37,4                                                                                       | 83,3                                                                                     | 34 300                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 31,6                                                                                       | 80,2                                                                                     | 32 200                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 24,5                                                                                       | 76,3                                                                                     | 30 200                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         | 14,3                                                                                       | 70,2                                                                                     | 28 400                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                          |                                                                                           | 62,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

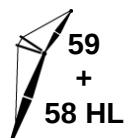


36,0 m

|      | 75°  |      |        | 70°  |      |        | 65°  |      |        |      |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      |      |      |        |      |      |        |      |      |        |      |
| m    | o    | m    | kg     | o    | m    | kg     | o    | m    | kg     | m    |
| 16,8 |      |      |        |      |      |        |      |      |        | 16,8 |
| 18,0 |      |      |        |      |      |        |      |      |        | 18,0 |
| 20,0 |      |      |        |      |      |        |      |      |        | 20,0 |
| 22,0 |      |      |        |      |      |        |      |      |        | 22,0 |
| 24,0 |      |      |        |      |      |        |      |      |        | 24,0 |
| 26,0 |      |      |        |      |      |        |      |      |        | 26,0 |
| 28,0 |      |      |        |      |      |        |      |      |        | 28,0 |
| 30,0 |      |      |        |      |      |        |      |      |        | 30,0 |
| 32,0 |      |      |        |      |      |        |      |      |        | 32,0 |
| 34,0 |      |      |        |      |      |        |      |      |        | 34,0 |
| 36,0 |      |      |        |      |      |        |      |      |        | 36,0 |
| 38,0 | 57,6 | 90,8 | 34 900 |      |      |        |      |      |        | 38,0 |
| 40,0 | 53,7 | 89,4 | 32 500 |      |      |        |      |      |        | 40,0 |
| 42,0 | 49,6 | 87,7 | 30 400 |      |      |        |      |      |        | 42,0 |
| 44,0 | 45,2 | 85,8 | 28 600 |      |      |        |      |      |        | 44,0 |
| 46,0 | 40,3 | 83,5 | 26 800 | 51,7 | 86,9 | 23 400 |      |      |        | 46,0 |
| 48,0 | 35,0 | 80,8 | 25 300 | 47,4 | 85,1 | 22 000 |      |      |        | 48,0 |
| 50,0 | 28,7 | 77,4 | 23 800 | 42,8 | 83,1 | 20 700 |      |      |        | 50,0 |
| 52,0 | 20,7 | 72,8 | 22 400 | 37,8 | 80,6 | 19 500 | 49,2 | 83,8 | 16 600 | 52,0 |
| 54,0 |      |      |        | 32,0 | 77,6 | 18 400 | 44,8 | 81,9 | 15 700 | 54,0 |
| 56,0 |      |      |        | 25,1 | 73,7 | 17 400 | 40,0 | 79,6 | 14 800 | 56,0 |
| 58,0 |      |      |        |      |      |        | 34,5 | 76,8 | 13 900 | 58,0 |
| 60,0 |      |      |        |      |      |        | 28,2 | 73,4 | 13 100 | 60,0 |
| 62,0 |      |      |        |      |      |        | 20,0 | 68,7 | 12 300 | 62,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

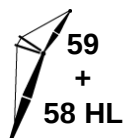


42,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                     |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   | 73,5                                                                                   | 103,0                                                                                  | 78 900 *b                                                                               |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   | 71,0                                                                                   | 102,5                                                                                  | 74 700 *b                                                                               |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   | 68,1                                                                                   | 101,7                                                                                  | 70 100 *                                                                                | 71,2                                                                                   | 102,3                                                                                  | 71 000 *b                                                                               |                                                                                         |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 65,1                                                                                   | 100,8                                                                                  | 65 800 *                                                                                | 68,2                                                                                   | 101,5                                                                                  | 66 600 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 62,0                                                                                   | 99,7                                                                                   | 61 700 *                                                                                | 65,3                                                                                   | 100,6                                                                                  | 62 500 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 58,8                                                                                   | 98,5                                                                                   | 58 100 *                                                                                | 62,2                                                                                   | 99,6                                                                                   | 58 800 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 55,6                                                                                   | 97,2                                                                                   | 54 600 *                                                                                | 59,0                                                                                   | 98,4                                                                                   | 55 300 *                                                                                |                                                                                         |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 52,1                                                                                   | 95,7                                                                                   | 51 400 *                                                                                | 55,7                                                                                   | 97,1                                                                                   | 51 900 *                                                                                | 64,1                                                                                    | 99,5                                                                                     | 48 500                                                                                    | 32,0                                                                                     |
| 34,0                                                                                   | 48,5                                                                                   | 93,9                                                                                   | 48 400 *                                                                                | 52,3                                                                                   | 95,6                                                                                   | 48 900 *                                                                                | 61,0                                                                                    | 98,4                                                                                     | 44 800                                                                                    | 34,0                                                                                     |
| 36,0                                                                                   | 44,7                                                                                   | 92,0                                                                                   | 45 600 *                                                                                | 48,7                                                                                   | 93,9                                                                                   | 46 000 *                                                                                | 57,7                                                                                    | 97,2                                                                                     | 41 600                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 40,6                                                                                   | 89,7                                                                                   | 43 000 *                                                                                | 44,9                                                                                   | 91,9                                                                                   | 43 200                                                                                  | 54,4                                                                                    | 95,7                                                                                     | 38 700                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 36,1                                                                                   | 87,1                                                                                   | 40 400 *                                                                                | 40,8                                                                                   | 89,7                                                                                   | 40 400                                                                                  | 50,9                                                                                    | 94,2                                                                                     | 36 100                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 31,0                                                                                   | 84,0                                                                                   | 38 100 *                                                                                | 36,3                                                                                   | 87,1                                                                                   | 37 800                                                                                  | 47,3                                                                                    | 92,4                                                                                     | 33 800                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 25,0                                                                                   | 80,0                                                                                   | 35 800 *                                                                                | 31,3                                                                                   | 84,0                                                                                   | 35 500                                                                                  | 43,4                                                                                    | 90,3                                                                                     | 31 800                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 17,0                                                                                   | 74,5                                                                                   | 32 700 *                                                                                | 25,3                                                                                   | 80,1                                                                                   | 33 400                                                                                  | 39,1                                                                                    | 87,9                                                                                     | 29 900                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 17,5                                                                                   | 74,7                                                                                   | 31 000 *                                                                                | 34,5                                                                                    | 85,2                                                                                     | 28 100                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 29,1                                                                                    | 81,8                                                                                     | 26 500                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 22,6                                                                                    | 77,5                                                                                     | 25 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 13,1                                                                                    | 70,8                                                                                     | 23 600                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                           | 68,0                                                                                     |

# 16000 S-3

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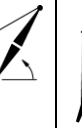
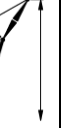
150 590 kg  
+  
54 430 kg



60,0 m

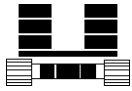
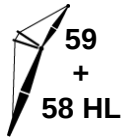


42,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 18,3                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,3                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 59,6                                                                                   | 96,7                                                                                   | 32 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 56,3                                                                                   | 95,3                                                                                   | 29 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 52,9                                                                                   | 93,9                                                                                   | 28 000                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 49,4                                                                                   | 92,2                                                                                   | 26 300                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 45,6                                                                                   | 90,3                                                                                   | 24 700                                                                                  | 54,7                                                                                   | 93,0                                                                                   | 21 400                                                                                  |                                                                                        |                                                                                         |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   | 41,6                                                                                   | 88,1                                                                                   | 23 300                                                                                  | 51,2                                                                                   | 91,4                                                                                   | 20 100                                                                                  |                                                                                        |                                                                                         |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   | 37,2                                                                                   | 85,6                                                                                   | 22 000                                                                                  | 47,5                                                                                   | 89,6                                                                                   | 19 000                                                                                  |                                                                                        |                                                                                         |                                                                                           | 52,0                                                                                     |
| 54,0                                                                                   | 32,2                                                                                   | 82,6                                                                                   | 20 800                                                                                  | 43,6                                                                                   | 87,6                                                                                   | 17 900                                                                                  |                                                                                        |                                                                                         |                                                                                           | 54,0                                                                                     |
| 56,0                                                                                   | 26,5                                                                                   | 78,8                                                                                   | 19 700                                                                                  | 39,4                                                                                   | 85,2                                                                                   | 16 900                                                                                  | 49,1                                                                                   | 88,3                                                                                    | 14 200                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 19,1                                                                                   | 73,8                                                                                   | 18 600                                                                                  | 34,8                                                                                   | 82,5                                                                                   | 16 000                                                                                  | 45,3                                                                                   | 86,4                                                                                    | 13 300                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 29,5                                                                                   | 79,2                                                                                   | 15 100                                                                                  | 41,2                                                                                   | 84,2                                                                                    | 12 600                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 23,1                                                                                   | 74,9                                                                                   | 14 200                                                                                  | 36,8                                                                                   | 81,6                                                                                    | 11 900                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 14,0                                                                                   | 68,6                                                                                   | 13 400                                                                                  | 31,8                                                                                   | 78,6                                                                                    | 11 200                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 26,0                                                                                   | 74,8                                                                                    | 10 500                                                                                    | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 18,4                                                                                   | 69,6                                                                                    | 9 900                                                                                     | 68,0                                                                                     |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

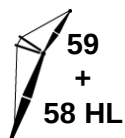


48,0 m

|  |  87° |                                                                                   |                                                                                   |  85° |                                                                                   |                                                                                   |  80° |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                   |      |  |  |      |  |  |      |  |  |                                                                                     |
| m                                                                                 | o                                                                                     | m                                                                                 | kg                                                                                | o                                                                                     | m                                                                                 | kg                                                                                | o                                                                                       | m                                                                                   | kg                                                                                  | m                                                                                   |
| 19,8                                                                              | 73,7                                                                                  | 108,8                                                                             | 68 700 *b                                                                         |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 19,8                                                                                |
| 20,0                                                                              | 73,5                                                                                  | 108,8                                                                             | 68 500 *b                                                                         |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 20,0                                                                                |
| 22,0                                                                              | 71,0                                                                                  | 108,1                                                                             | 66 600 *                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 22,0                                                                                |
| 24,0                                                                              | 68,4                                                                                  | 107,3                                                                             | 62 600 *                                                                          | 71,1                                                                                  | 108,0                                                                             | 63 300 *                                                                          |                                                                                         |                                                                                     |                                                                                     | 24,0                                                                                |
| 26,0                                                                              | 65,8                                                                                  | 106,5                                                                             | 59 100 *                                                                          | 68,5                                                                                  | 107,2                                                                             | 59 700 *                                                                          |                                                                                         |                                                                                     |                                                                                     | 26,0                                                                                |
| 28,0                                                                              | 63,1                                                                                  | 105,5                                                                             | 55 700 *                                                                          | 65,9                                                                                  | 106,3                                                                             | 56 300 *                                                                          |                                                                                         |                                                                                     |                                                                                     | 28,0                                                                                |
| 30,0                                                                              | 60,4                                                                                  | 104,3                                                                             | 52 600 *                                                                          | 63,3                                                                                  | 105,3                                                                             | 53 100 *                                                                          |                                                                                         |                                                                                     |                                                                                     | 30,0                                                                                |
| 32,0                                                                              | 57,6                                                                                  | 103,1                                                                             | 49 700 *                                                                          | 60,5                                                                                  | 104,2                                                                             | 50 200 *                                                                          | 67,5                                                                                    | 106,1                                                                               | 47 800                                                                              | 32,0                                                                                |
| 34,0                                                                              | 54,7                                                                                  | 101,7                                                                             | 47 000 *                                                                          | 57,7                                                                                  | 103,0                                                                             | 47 400 *                                                                          | 64,9                                                                                    | 105,2                                                                               | 44 100                                                                              | 34,0                                                                                |
| 36,0                                                                              | 51,6                                                                                  | 100,2                                                                             | 44 400 *                                                                          | 54,8                                                                                  | 101,6                                                                             | 44 700 *                                                                          | 62,2                                                                                    | 104,2                                                                               | 40 900                                                                              | 36,0                                                                                |
| 38,0                                                                              | 48,5                                                                                  | 98,4                                                                              | 42 000 *                                                                          | 51,8                                                                                  | 100,1                                                                             | 42 300 *                                                                          | 59,4                                                                                    | 103,0                                                                               | 38 000                                                                              | 38,0                                                                                |
| 40,0                                                                              | 45,2                                                                                  | 96,5                                                                              | 39 800 *                                                                          | 48,7                                                                                  | 98,3                                                                              | 39 800                                                                            | 56,6                                                                                    | 101,7                                                                               | 35 500                                                                              | 40,0                                                                                |
| 42,0                                                                              | 41,6                                                                                  | 94,3                                                                              | 37 600 *                                                                          | 45,3                                                                                  | 96,4                                                                              | 37 300                                                                            | 53,7                                                                                    | 100,2                                                                               | 33 200                                                                              | 42,0                                                                                |
| 44,0                                                                              | 37,8                                                                                  | 91,8                                                                              | 35 600 *                                                                          | 41,8                                                                                  | 94,2                                                                              | 35 000                                                                            | 50,6                                                                                    | 98,6                                                                                | 31 100                                                                              | 44,0                                                                                |
| 46,0                                                                              | 33,6                                                                                  | 88,9                                                                              | 33 700 *                                                                          | 38,0                                                                                  | 91,8                                                                              | 33 000                                                                            | 47,4                                                                                    | 96,8                                                                                | 29 200                                                                              | 46,0                                                                                |
| 48,0                                                                              | 28,9                                                                                  | 85,5                                                                              | 31 800 *                                                                          | 33,9                                                                                  | 88,9                                                                              | 31 100                                                                            | 44,0                                                                                    | 94,8                                                                                | 27 500                                                                              | 48,0                                                                                |
| 50,0                                                                              | 23,3                                                                                  | 81,2                                                                              | 29 600 *                                                                          | 29,2                                                                                  | 85,5                                                                              | 29 300                                                                            | 40,4                                                                                    | 92,5                                                                                | 26 000                                                                              | 50,0                                                                                |
| 52,0                                                                              | 15,8                                                                                  | 75,3                                                                              | 27 000 *                                                                          | 23,6                                                                                  | 81,3                                                                              | 27 700                                                                            | 36,4                                                                                    | 89,9                                                                                | 24 500                                                                              | 52,0                                                                                |
| 54,0                                                                              |                                                                                       |                                                                                   |                                                                                   | 16,3                                                                                  | 75,5                                                                              | 25 400 *                                                                          | 32,1                                                                                    | 86,9                                                                                | 23 200                                                                              | 54,0                                                                                |
| 56,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 27,1                                                                                    | 83,2                                                                                | 21 900                                                                              | 56,0                                                                                |
| 58,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 21,0                                                                                    | 78,6                                                                                | 20 800                                                                              | 58,0                                                                                |
| 60,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60,0                                                                                |
| 62,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 62,0                                                                                |
| 64,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 64,0                                                                                |
| 66,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 66,0                                                                                |
| 68,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 68,0                                                                                |
| 70,0                                                                              |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70,0                                                                                |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

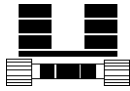
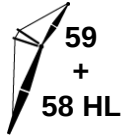


48,0 m

|      | 75°  |       |        | 70°  |      |        |
|------|------|-------|--------|------|------|--------|
|      |      |       |        |      |      |        |
| m    | o    | m     | kg     | o    | m    | kg     |
| 19,8 |      |       |        |      |      |        |
| 20,0 |      |       |        |      |      |        |
| 22,0 |      |       |        |      |      |        |
| 24,0 |      |       |        |      |      |        |
| 26,0 |      |       |        |      |      |        |
| 28,0 |      |       |        |      |      |        |
| 30,0 |      |       |        |      |      |        |
| 32,0 |      |       |        |      |      |        |
| 34,0 |      |       |        |      |      |        |
| 36,0 |      |       |        |      |      |        |
| 38,0 |      |       |        |      |      |        |
| 40,0 |      |       |        |      |      |        |
| 42,0 | 61,0 | 102,4 | 29 100 |      |      |        |
| 44,0 | 58,2 | 101,2 | 27 200 |      |      |        |
| 46,0 | 55,3 | 99,9  | 25 600 |      |      |        |
| 48,0 | 52,3 | 98,3  | 24 000 |      |      |        |
| 50,0 | 49,2 | 96,7  | 22 600 |      |      |        |
| 52,0 | 45,9 | 94,8  | 21 300 | 53,9 | 97,5 | 18 200 |
| 54,0 | 42,5 | 92,7  | 20 200 | 50,8 | 95,9 | 17 100 |
| 56,0 | 38,7 | 90,2  | 19 000 | 47,6 | 94,1 | 16 100 |
| 58,0 | 34,6 | 87,5  | 18 000 | 44,2 | 92,1 | 15 200 |
| 60,0 | 30,0 | 84,2  | 17 000 | 40,6 | 89,8 | 14 400 |
| 62,0 | 24,7 | 80,2  | 16 100 | 36,7 | 87,2 | 13 600 |
| 64,0 | 17,8 | 74,7  | 15 200 | 32,4 | 84,2 | 12 800 |
| 66,0 |      |       |        | 27,5 | 80,6 | 12 100 |
| 68,0 |      |       |        | 21,5 | 76,1 | 11 400 |
| 70,0 |      |       |        | 13,0 | 69,2 | 10 700 |

# 16000 S-3

ANSI B30.5



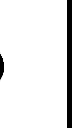
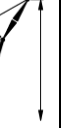
150 590 kg  
+  
54 430 kg



60,0 m

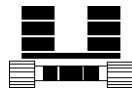
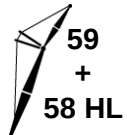


54,0 m

|                                                                                        | 87°                                                                                    |                                                                                        |                                                                                         | 85°                                                                                    |                                                                                        |                                                                                         | 80°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 21,3                                                                                   | 73,9                                                                                   | 114,7                                                                                  | 59 800 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 21,3                                                                                     |
| 22,0                                                                                   | 73,2                                                                                   | 114,5                                                                                  | 59 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   | 70,9                                                                                   | 113,8                                                                                  | 58 500 *                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   | 68,6                                                                                   | 113,0                                                                                  | 55 800 *                                                                                | 71,0                                                                                   | 113,6                                                                                  | 56 200 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   | 66,3                                                                                   | 112,1                                                                                  | 52 900 *                                                                                | 68,8                                                                                   | 112,9                                                                                  | 53 300 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   | 64,0                                                                                   | 111,2                                                                                  | 50 100 *                                                                                | 66,5                                                                                   | 112,0                                                                                  | 50 500 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 61,6                                                                                   | 110,1                                                                                  | 47 500 *                                                                                | 64,1                                                                                   | 111,1                                                                                  | 47 900 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 59,1                                                                                   | 108,9                                                                                  | 45 100 *                                                                                | 61,7                                                                                   | 110,0                                                                                  | 45 400 *                                                                                |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 56,6                                                                                   | 107,6                                                                                  | 42 800 *                                                                                | 59,2                                                                                   | 108,8                                                                                  | 43 000 *                                                                                | 65,5                                                                                   | 110,9                                                                                   | 40 300                                                                                    | 36,0                                                                                     |
| 38,0                                                                                   | 54,0                                                                                   | 106,2                                                                                  | 40 600 *                                                                                | 56,7                                                                                   | 107,5                                                                                  | 40 800 *                                                                                | 63,2                                                                                   | 109,9                                                                                   | 37 500                                                                                    | 38,0                                                                                     |
| 40,0                                                                                   | 51,3                                                                                   | 104,6                                                                                  | 38 500 *                                                                                | 54,1                                                                                   | 106,1                                                                                  | 38 700 *                                                                                | 60,7                                                                                   | 108,8                                                                                   | 34 900                                                                                    | 40,0                                                                                     |
| 42,0                                                                                   | 48,5                                                                                   | 102,9                                                                                  | 36 600 *                                                                                | 51,4                                                                                   | 104,5                                                                                  | 36 700                                                                                  | 58,3                                                                                   | 107,6                                                                                   | 32 600                                                                                    | 42,0                                                                                     |
| 44,0                                                                                   | 45,5                                                                                   | 101,0                                                                                  | 34 700 *                                                                                | 48,6                                                                                   | 102,8                                                                                  | 34 600                                                                                  | 55,7                                                                                   | 106,2                                                                                   | 30 600                                                                                    | 44,0                                                                                     |
| 46,0                                                                                   | 42,4                                                                                   | 98,8                                                                                   | 33 000 *                                                                                | 45,7                                                                                   | 100,9                                                                                  | 32 500                                                                                  | 53,1                                                                                   | 104,7                                                                                   | 28 700                                                                                    | 46,0                                                                                     |
| 48,0                                                                                   | 39,1                                                                                   | 96,4                                                                                   | 31 200 *                                                                                | 42,6                                                                                   | 98,8                                                                                   | 30 600                                                                                  | 50,3                                                                                   | 103,1                                                                                   | 27 000                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   | 35,5                                                                                   | 93,7                                                                                   | 29 600 *                                                                                | 39,3                                                                                   | 96,4                                                                                   | 28 900                                                                                  | 47,5                                                                                   | 101,3                                                                                   | 25 400                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   | 31,6                                                                                   | 90,6                                                                                   | 28 100 *                                                                                | 35,7                                                                                   | 93,7                                                                                   | 27 300                                                                                  | 44,5                                                                                   | 99,3                                                                                    | 24 000                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   | 27,2                                                                                   | 87,0                                                                                   | 26 500 *                                                                                | 31,8                                                                                   | 90,6                                                                                   | 25 900                                                                                  | 41,3                                                                                   | 97,1                                                                                    | 22 700                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   | 21,9                                                                                   | 82,4                                                                                   | 24 400 *                                                                                | 27,4                                                                                   | 87,0                                                                                   | 24 500                                                                                  | 37,9                                                                                   | 94,6                                                                                    | 21 500                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   | 14,8                                                                                   | 76,1                                                                                   | 22 100 *                                                                                | 22,2                                                                                   | 82,5                                                                                   | 23 000 *                                                                                | 34,3                                                                                   | 91,8                                                                                    | 20 400                                                                                    | 58,0                                                                                     |
| 60,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 15,3                                                                                   | 76,3                                                                                   | 20 900 *                                                                                | 30,2                                                                                   | 88,5                                                                                    | 19 300                                                                                    | 60,0                                                                                     |
| 62,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 25,5                                                                                   | 84,6                                                                                    | 18 300                                                                                    | 62,0                                                                                     |
| 64,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 19,8                                                                                   | 79,6                                                                                    | 17 300                                                                                    | 64,0                                                                                     |
| 66,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 66,0                                                                                     |
| 68,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 68,0                                                                                     |
| 70,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 70,0                                                                                     |

# 16000 S-3

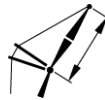
ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

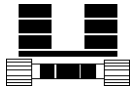
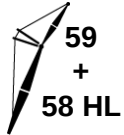


54,0 m

|      | 75°  |       |        |
|------|------|-------|--------|
|      |      |       |        |
|      | m    | o     | kg     |
| 21,3 |      |       |        |
| 22,0 |      |       |        |
| 24,0 |      |       |        |
| 26,0 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 | 59,7 | 107,1 | 24 900 |
| 48,0 | 57,2 | 105,8 | 23 400 |
| 50,0 | 54,6 | 104,4 | 22 000 |
| 52,0 | 51,9 | 102,8 | 20 700 |
| 54,0 | 49,1 | 101,1 | 19 600 |
| 56,0 | 46,2 | 99,3  | 18 500 |
| 58,0 | 43,1 | 97,2  | 17 500 |
| 60,0 | 39,9 | 94,8  | 16 500 |
| 62,0 | 36,4 | 92,2  | 15 600 |
| 64,0 | 32,5 | 89,2  | 14 800 |
| 66,0 | 28,2 | 85,7  | 14 000 |
| 68,0 | 23,2 | 81,4  | 13 200 |
| 70,0 | 16,7 | 75,6  | 12 500 |

# 16000 S-3

ANSI B30.5



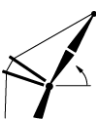
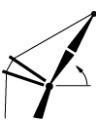
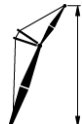
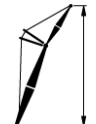
150 590 kg  
+  
54 430 kg



60,0 m

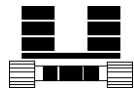
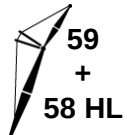


60,0 m

|      |  87°  |                                                                                        |                                                                                        |  85° |                                                                                        |                                                                                        |  80° |                                                                                         |                                                                                          |  |      |
|------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|      | <br>m | <br>o | <br>m | kg                                                                                    | <br>o | <br>m | kg                                                                                      | <br>o | <br>m |                                                                                     | kg   |
| 22,9 | 74,0                                                                                   | 120,5                                                                                  | 52 200 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 22,9 |
| 24,0 | 72,9                                                                                   | 120,1                                                                                  | 51 800 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 24,0 |
| 26,0 | 70,9                                                                                   | 119,4                                                                                  | 51 200 *                                                                               |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 26,0 |
| 28,0 | 68,8                                                                                   | 118,7                                                                                  | 49 600 *                                                                               | 71,0                                                                                  | 119,3                                                                                  | 50 300 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 28,0 |
| 30,0 | 66,8                                                                                   | 117,8                                                                                  | 47 600 *                                                                               | 68,9                                                                                  | 118,5                                                                                  | 48 100 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 30,0 |
| 32,0 | 64,6                                                                                   | 116,9                                                                                  | 45 400 *                                                                               | 66,9                                                                                  | 117,7                                                                                  | 45 700 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 32,0 |
| 34,0 | 62,5                                                                                   | 115,9                                                                                  | 43 200 *                                                                               | 64,8                                                                                  | 116,8                                                                                  | 43 400 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 34,0 |
| 36,0 | 60,3                                                                                   | 114,7                                                                                  | 41 100 *                                                                               | 62,6                                                                                  | 115,7                                                                                  | 41 300 *                                                                               |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 36,0 |
| 38,0 | 58,1                                                                                   | 113,5                                                                                  | 39 100 *                                                                               | 60,4                                                                                  | 114,6                                                                                  | 39 200 *                                                                               | 66,0                                                                                    | 116,6                                                                                   | 36 700                                                                                   |                                                                                     | 38,0 |
| 40,0 | 55,8                                                                                   | 112,2                                                                                  | 37 200 *                                                                               | 58,2                                                                                  | 113,4                                                                                  | 37 300 *                                                                               | 63,9                                                                                    | 115,6                                                                                   | 34 200                                                                                   |                                                                                     | 40,0 |
| 42,0 | 53,4                                                                                   | 110,7                                                                                  | 35 400 *                                                                               | 55,9                                                                                  | 112,1                                                                                  | 35 400 *                                                                               | 61,8                                                                                    | 114,5                                                                                   | 31 900                                                                                   |                                                                                     | 42,0 |
| 44,0 | 51,0                                                                                   | 109,1                                                                                  | 33 600 *                                                                               | 53,5                                                                                  | 110,6                                                                                  | 33 700 *                                                                               | 59,6                                                                                    | 113,4                                                                                   | 29 900                                                                                   |                                                                                     | 44,0 |
| 46,0 | 48,4                                                                                   | 107,4                                                                                  | 32 000 *                                                                               | 51,1                                                                                  | 109,0                                                                                  | 31 900                                                                                 | 57,3                                                                                    | 112,1                                                                                   | 28 000                                                                                   |                                                                                     | 46,0 |
| 48,0 | 45,8                                                                                   | 105,5                                                                                  | 30 400 *                                                                               | 48,6                                                                                  | 107,3                                                                                  | 30 100                                                                                 | 55,0                                                                                    | 110,7                                                                                   | 26 300                                                                                   |                                                                                     | 48,0 |
| 50,0 | 43,0                                                                                   | 103,4                                                                                  | 29 000 *                                                                               | 45,9                                                                                  | 105,4                                                                                  | 28 400                                                                                 | 52,6                                                                                    | 109,2                                                                                   | 24 800                                                                                   |                                                                                     | 50,0 |
| 52,0 | 40,1                                                                                   | 101,0                                                                                  | 27 500 *                                                                               | 43,2                                                                                  | 103,3                                                                                  | 26 800                                                                                 | 50,1                                                                                    | 107,6                                                                                   | 23 400                                                                                   |                                                                                     | 52,0 |
| 54,0 | 37,0                                                                                   | 98,5                                                                                   | 26 200 *                                                                               | 40,3                                                                                  | 101,0                                                                                  | 25 300                                                                                 | 47,5                                                                                    | 105,8                                                                                   | 22 100                                                                                   |                                                                                     | 54,0 |
| 56,0 | 33,6                                                                                   | 95,6                                                                                   | 24 900 *                                                                               | 37,2                                                                                  | 98,4                                                                                   | 24 000                                                                                 | 44,9                                                                                    | 103,8                                                                                   | 20 900                                                                                   |                                                                                     | 56,0 |
| 58,0 | 29,9                                                                                   | 92,2                                                                                   | 23 500 *                                                                               | 33,8                                                                                  | 95,5                                                                                   | 22 700                                                                                 | 42,1                                                                                    | 101,7                                                                                   | 19 700                                                                                   |                                                                                     | 58,0 |
| 60,0 | 25,7                                                                                   | 88,3                                                                                   | 21 800 *                                                                               | 30,1                                                                                  | 92,2                                                                                   | 21 600                                                                                 | 39,1                                                                                    | 99,3                                                                                    | 18 700                                                                                   |                                                                                     | 60,0 |
| 62,0 | 20,7                                                                                   | 83,5                                                                                   | 20 100 *                                                                               | 25,9                                                                                  | 88,4                                                                                   | 20 400                                                                                 | 35,9                                                                                    | 96,6                                                                                    | 17 700                                                                                   |                                                                                     | 62,0 |
| 64,0 | 14,0                                                                                   | 76,8                                                                                   | 18 100 *                                                                               | 21,0                                                                                  | 83,6                                                                                   | 18 900 *                                                                               | 32,4                                                                                    | 93,5                                                                                    | 16 800                                                                                   |                                                                                     | 64,0 |
| 66,0 |                                                                                        |                                                                                        |                                                                                        | 14,4                                                                                  | 77,0                                                                                   | 17 100 *                                                                               | 28,6                                                                                    | 90,0                                                                                    | 15 900                                                                                   |                                                                                     | 66,0 |
| 68,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 24,1                                                                                    | 85,9                                                                                    | 15 100                                                                                   |                                                                                     | 68,0 |
| 70,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        | 18,7                                                                                    | 80,6                                                                                    | 14 300                                                                                   |                                                                                     | 70,0 |
| 72,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 72,0 |
| 74,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 74,0 |
| 76,0 |                                                                                        |                                                                                        |                                                                                        |                                                                                       |                                                                                        |                                                                                        |                                                                                         |                                                                                         |                                                                                          |                                                                                     | 76,0 |

# 16000 S-3

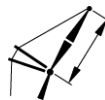
ANSI B30.5



150 590 kg  
+  
54 430 kg



60,0 m

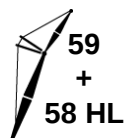


60,0 m

|      | 75°  |       |        |
|------|------|-------|--------|
|      |      |       |        |
|      | m    | o     | kg     |
| 22,9 |      |       |        |
| 24,0 |      |       |        |
| 26,0 |      |       |        |
| 28,0 |      |       |        |
| 30,0 |      |       |        |
| 32,0 |      |       |        |
| 34,0 |      |       |        |
| 36,0 |      |       |        |
| 38,0 |      |       |        |
| 40,0 |      |       |        |
| 42,0 |      |       |        |
| 44,0 |      |       |        |
| 46,0 |      |       |        |
| 48,0 | 60,8 | 112,8 | 22 700 |
| 50,0 | 58,6 | 111,6 | 21 300 |
| 52,0 | 56,3 | 110,3 | 20 000 |
| 54,0 | 53,9 | 108,9 | 18 800 |
| 56,0 | 51,5 | 107,3 | 17 800 |
| 58,0 | 49,0 | 105,6 | 16 700 |
| 60,0 | 46,4 | 103,7 | 15 800 |
| 62,0 | 43,7 | 101,7 | 14 900 |
| 64,0 | 40,8 | 99,4  | 14 100 |
| 66,0 | 37,7 | 96,9  | 13 300 |
| 68,0 | 34,4 | 94,1  | 12 600 |
| 70,0 | 30,8 | 90,9  | 12 000 |
| 72,0 | 26,7 | 87,1  | 11 300 |
| 74,0 | 21,9 | 82,5  | 10 600 |
| 76,0 | 15,8 | 76,4  | 10 000 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



66,0 m

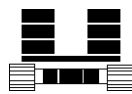
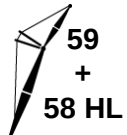


24,0 m

|      | 87°  |      |            | 85°  |      |           | 80°  |      |          |      |
|------|------|------|------------|------|------|-----------|------|------|----------|------|
|      |      |      |            |      |      |           |      |      |          |      |
|      | m    | o    | m          | kg   | o    | m         | kg   | o    | m        | kg   |
| 13,7 | 72,9 | 91,7 | 100 700 *d |      |      |           |      |      |          | 13,7 |
| 14,0 | 72,2 | 91,6 | 99 600 *d  |      |      |           |      |      |          | 14,0 |
| 16,0 | 67,0 | 90,8 | 91 900 *d  |      |      |           |      |      |          | 16,0 |
| 18,0 | 61,7 | 89,7 | 84 800 *b  | 67,9 | 90,7 | 87 000 *c |      |      |          | 18,0 |
| 20,0 | 56,0 | 88,4 | 78 200 *b  | 62,5 | 89,7 | 80 400 *b |      |      |          | 20,0 |
| 22,0 | 49,8 | 86,8 | 72 300 *   | 56,9 | 88,5 | 74 200 *b |      |      |          | 22,0 |
| 24,0 | 43,0 | 84,8 | 67 000 *   | 50,8 | 86,9 | 68 700 *  |      |      |          | 24,0 |
| 26,0 | 35,1 | 82,2 | 62 100 *   | 44,1 | 84,9 | 63 700 *  | 61,8 | 88,7 | 64 100 b | 26,0 |
| 28,0 | 25,0 | 78,4 | 57 400 *   | 36,4 | 82,4 | 59 000 *  | 56,1 | 87,4 | 58 300 b | 28,0 |
| 30,0 |      |      |            | 26,8 | 78,9 | 54 400 *  | 50,0 | 85,8 | 53 300   | 30,0 |
| 32,0 |      |      |            | 9,9  | 72,2 | 49 900 *  | 43,2 | 83,8 | 49 000   | 32,0 |
| 34,0 |      |      |            |      |      |           | 35,3 | 81,2 | 45 300   | 34,0 |
| 36,0 |      |      |            |      |      |           | 25,3 | 77,5 | 42 000   | 36,0 |
| 38,0 |      |      |            |      |      |           |      |      |          | 38,0 |
| 40,0 |      |      |            |      |      |           |      |      |          | 40,0 |
| 42,0 |      |      |            |      |      |           |      |      |          | 42,0 |
| 44,0 |      |      |            |      |      |           |      |      |          | 44,0 |
| 46,0 |      |      |            |      |      |           |      |      |          | 46,0 |
| 48,0 |      |      |            |      |      |           |      |      |          | 48,0 |
| 50,0 |      |      |            |      |      |           |      |      |          | 50,0 |
| 52,0 |      |      |            |      |      |           |      |      |          | 52,0 |

# 16000 S-3

ANSI B30.5



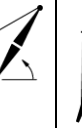
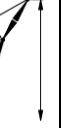
150 590 kg  
+  
54 430 kg

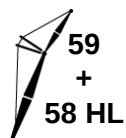


66,0 m



24,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                    |                                                                                         |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 13,7                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 13,7                                                                                     |
| 14,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 14,0                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   | 60,8                                                                                   | 87,2                                                                                   | 43 500 b                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   | 55,1                                                                                   | 85,8                                                                                   | 40 200 b                                                                                |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 48,8                                                                                   | 84,2                                                                                   | 37 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 41,9                                                                                   | 82,1                                                                                   | 34 700                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                         |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 33,7                                                                                   | 79,3                                                                                   | 32 300                                                                                  | 53,6                                                                                   | 83,7                                                                                   | 28 200 b                                                                                |                                                                                        |                                                                                         |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 23,0                                                                                   | 75,3                                                                                   | 30 200                                                                                  | 47,2                                                                                   | 81,9                                                                                   | 26 300                                                                                  |                                                                                        |                                                                                         |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 40,0                                                                                   | 79,6                                                                                   | 24 700                                                                                  |                                                                                        |                                                                                         |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 31,4                                                                                   | 76,7                                                                                   | 23 100                                                                                  | 51,5                                                                                   | 80,8                                                                                    | 19 700 b                                                                                  | 46,0                                                                                     |
| 48,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 19,5                                                                                   | 72,1                                                                                   | 21 600                                                                                  | 44,9                                                                                   | 78,9                                                                                    | 18 500                                                                                    | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 37,3                                                                                   | 76,4                                                                                    | 17 300                                                                                    | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 28,0                                                                                   | 73,1                                                                                    | 16 200                                                                                    | 52,0                                                                                     |



150 590 kg  
+  
54 430 kg



66,0 m

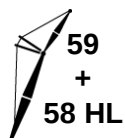


30,0 m

|      | 87°  |      |           | 85°  |      |           | 80°  |      |          |      |
|------|------|------|-----------|------|------|-----------|------|------|----------|------|
|      |      |      |           |      |      |           |      |      |          |      |
| m    | o    | m    | kg        | o    | m    | kg        | o    | m    | kg       | m    |
| 15,2 | 73,4 | 97,5 | 87 500 *d |      |      |           |      |      |          | 15,2 |
| 16,0 | 71,9 | 97,3 | 85 800 *d |      |      |           |      |      |          | 16,0 |
| 18,0 | 67,8 | 96,5 | 80 500 *b |      |      |           |      |      |          | 18,0 |
| 20,0 | 63,5 | 95,5 | 74 800 *b | 68,4 | 96,4 | 76 400 *b |      |      |          | 20,0 |
| 22,0 | 59,1 | 94,3 | 69 700 *b | 64,2 | 95,5 | 71 200 *b |      |      |          | 22,0 |
| 24,0 | 54,4 | 92,9 | 65 000 *  | 59,8 | 94,3 | 66 300 *  |      |      |          | 24,0 |
| 26,0 | 49,5 | 91,3 | 60 700 *  | 55,2 | 93,0 | 61 900 *  |      |      |          | 26,0 |
| 28,0 | 44,1 | 89,3 | 56 700 *  | 50,3 | 91,4 | 57 800 *  | 63,6 | 94,5 | 57 900 b | 28,0 |
| 30,0 | 38,1 | 86,9 | 53 000 *  | 45,0 | 89,4 | 54 100 *  | 59,2 | 93,3 | 52 900   | 30,0 |
| 32,0 | 31,1 | 83,8 | 49 600 *  | 39,1 | 87,1 | 50 500 *  | 54,6 | 91,9 | 48 700   | 32,0 |
| 34,0 | 22,1 | 79,6 | 46 200 *  | 32,3 | 84,2 | 47 100 *  | 49,6 | 90,3 | 45 000   | 34,0 |
| 36,0 |      |      |           | 23,8 | 80,2 | 43 800 *  | 44,3 | 88,3 | 41 700   | 36,0 |
| 38,0 |      |      |           | 8,7  | 72,6 | 40 500 *  | 38,3 | 85,9 | 38 900   | 38,0 |
| 40,0 |      |      |           |      |      |           | 31,3 | 82,9 | 36 300   | 40,0 |
| 42,0 |      |      |           |      |      |           | 22,4 | 78,7 | 33 900   | 42,0 |
| 44,0 |      |      |           |      |      |           |      |      |          | 44,0 |
| 46,0 |      |      |           |      |      |           |      |      |          | 46,0 |
| 48,0 |      |      |           |      |      |           |      |      |          | 48,0 |
| 50,0 |      |      |           |      |      |           |      |      |          | 50,0 |
| 52,0 |      |      |           |      |      |           |      |      |          | 52,0 |
| 54,0 |      |      |           |      |      |           |      |      |          | 54,0 |
| 56,0 |      |      |           |      |      |           |      |      |          | 56,0 |
| 58,0 |      |      |           |      |      |           |      |      |          | 58,0 |

# 16000 S-3

ANSI B30.5



150 590 kg  
+  
54 430 kg



66,0 m



30,0 m

|                                                                                        | 75°                                                                                    |                                                                                        |                                                                                         | 70°                                                                                    |                                                                                        |                                                                                         | 65°                                                                                      |                                                                                          |                                                                                           |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <br>m | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>o | <br>m | <br>kg | <br>m |
| 15,2                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 15,2                                                                                     |
| 16,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 16,0                                                                                     |
| 18,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 18,0                                                                                     |
| 20,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 20,0                                                                                     |
| 22,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 22,0                                                                                     |
| 24,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 24,0                                                                                     |
| 26,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 26,0                                                                                     |
| 28,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 28,0                                                                                     |
| 30,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 30,0                                                                                     |
| 32,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 32,0                                                                                     |
| 34,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 34,0                                                                                     |
| 36,0                                                                                   | 58,4                                                                                   | 91,8                                                                                   | 36 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 36,0                                                                                     |
| 38,0                                                                                   | 53,7                                                                                   | 90,3                                                                                   | 34 200                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 38,0                                                                                     |
| 40,0                                                                                   | 48,7                                                                                   | 88,7                                                                                   | 31 900                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 40,0                                                                                     |
| 42,0                                                                                   | 43,2                                                                                   | 86,6                                                                                   | 29 800                                                                                  |                                                                                        |                                                                                        |                                                                                         |                                                                                          |                                                                                          |                                                                                           | 42,0                                                                                     |
| 44,0                                                                                   | 37,1                                                                                   | 84,1                                                                                   | 28 000                                                                                  | 52,5                                                                                   | 88,1                                                                                   | 24 100                                                                                  |                                                                                          |                                                                                          |                                                                                           | 44,0                                                                                     |
| 46,0                                                                                   | 29,9                                                                                   | 80,9                                                                                   | 26 300                                                                                  | 47,4                                                                                   | 86,4                                                                                   | 22 700                                                                                  |                                                                                          |                                                                                          |                                                                                           | 46,0                                                                                     |
| 48,0                                                                                   | 20,4                                                                                   | 76,3                                                                                   | 24 700                                                                                  | 41,8                                                                                   | 84,2                                                                                   | 21 300                                                                                  |                                                                                          |                                                                                          |                                                                                           | 48,0                                                                                     |
| 50,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 35,5                                                                                   | 81,6                                                                                   | 20 000                                                                                  |                                                                                          |                                                                                          |                                                                                           | 50,0                                                                                     |
| 52,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 27,9                                                                                   | 78,1                                                                                   | 18 800                                                                                  | 45,6                                                                                     | 83,4                                                                                     | 15 700                                                                                    | 52,0                                                                                     |
| 54,0                                                                                   |                                                                                        |                                                                                        |                                                                                         | 17,2                                                                                   | 72,9                                                                                   | 17 700                                                                                  | 39,8                                                                                     | 81,1                                                                                     | 14 800                                                                                    | 54,0                                                                                     |
| 56,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 33,1                                                                                     | 78,2                                                                                     | 13 900                                                                                    | 56,0                                                                                     |
| 58,0                                                                                   |                                                                                        |                                                                                        |                                                                                         |                                                                                        |                                                                                        |                                                                                         | 24,8                                                                                     | 74,4                                                                                     | 13 100                                                                                    | 58,0                                                                                     |