



Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 76
Luffing Jib No. 135
57 610 kg Crane Counterweight
0 kg Carbody Counterweight
360 Degree Rating

14000 SERIES 1



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4,0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 1 280 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is 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 with gantry up and bearing turntable level within a tolerance of 13 mm in 3 m and properly supported. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. A18387**, Wire Rope Specification chart **No. 8822-A**, and Luffing Jib Raising Procedure chart **No. 8819-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.



WIND CONDITIONS: Machine may operate with full working load in wind speeds up to the maximum wind speed value provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Wind speed to be measured at luffing jib point elevation. **Operation is not permitted when wind speed is above conditions stated by maximum wind speed value.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 75 degrees and luffing jib at 55 degrees. Lower boom and luffing jib to ground when wind is above 22 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level (not to exceed 13 mm in 3 m) and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8810-A**.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0,4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2,5 seconds.

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 (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 8 280 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 8 230 mm live mast, 20 part boom hoist reeving, boom support straps, 8 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 57 610 kg crane counterweight, and 0 kg carbody counterweight.

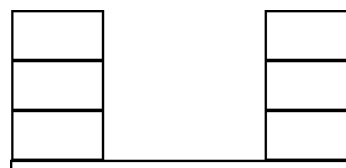
Consult Chart **No. 8815-AM** for main luffing jib capacities.

Fixed jib No. 138 must be removed before use of this chart.

Boom Catwalks Deduct

Deduct 200 kg from capacities when boom catwalks are attached.

Luffing Jib Position During Operation	
 Luffing Jib Length Meter	 Boom-to-Luffing Jib Angle Degrees
21,3	140
24,3 - 27,4	150
30,5 - 36,6	160
39,6 - 51,8	168



76 200 kg Crane Counterweight
6 Side Boxes - No Center Box

Explanation of Symbols



Luffing Jib No. 135
+
Boom No. 76



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Operating Radius
(see page 1)



Boom Angle
(see page 1)

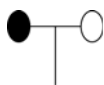
Explanation of Symbols (continued)



Boom Point Elevation
(see page 1)



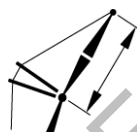
Lifting Capacities
(see page 1)



Maximum Wind Speed
(see page 1)



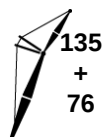
Boom Length



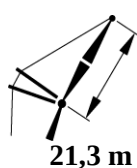
Luffing Jib Length



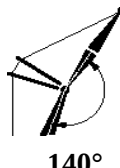
Boom-to-Luffing Jib Angle



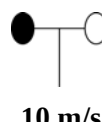
57 610 kg
+
0 kg



21,3 m



140°

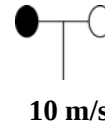
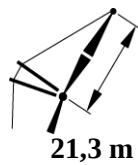
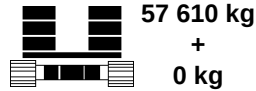
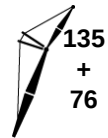


10 m/s

			
m	°	m	kg
 20,0 m			
4,6	82,3	22,2	160 700*
5,0	81,1	22,1	146 800
5,5	79,6	22,0	128 900
6,0	78,1	21,9	112 900
7,0	75,2	21,6	89 500
8,0	72,2	21,3	73 100

			
m	°	m	kg
 23,0 m			
4,9	82,6	25,2	146 000
5,0	82,3	25,1	140 900
5,5	81,0	25,0	122 400
6,0	79,7	24,9	107 800
7,0	77,2	24,7	86 000
8,0	74,6	24,4	70 700
9,0	71,9	24,1	59 100

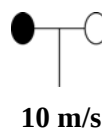
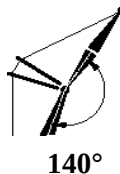
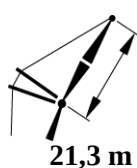
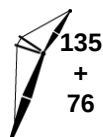
			
m	°	m	kg
 26,0 m			
5,2	82,7	28,1	126 500
5,5	82,0	28,1	116 300
6,0	80,9	28,0	103 000
7,0	78,7	27,8	82 800
8,0	76,4	27,5	68 300
9,0	74,1	27,3	57 400
10,0	71,8	26,9	48 900



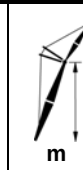
			
m	°	m	kg
 29,0 m			
5,5	82,9	31,1	111 100
6,0	81,9	31,0	98 400
7,0	79,9	30,9	79 600
8,0	77,8	30,6	66 000
9,0	75,8	30,4	55 600
10,0	73,7	30,1	47 500
11,0	71,6	29,7	41 000

			
m	°	m	kg
 32,0 m			
6,1	82,5	34,1	92 300
7,0	80,8	33,9	76 600
8,0	79,0	33,7	63 800
9,0	77,2	33,5	54 000
10,0	75,3	33,2	46 200
11,0	73,4	32,9	39 900
12,0	71,5	32,6	34 800

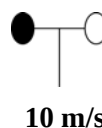
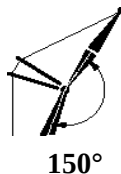
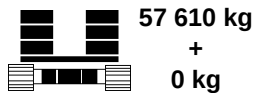
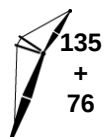
			
m	°	m	kg
 35,0 m			
6,7	82,1	37,0	78 100
7,0	81,6	37,0	74 000
8,0	80,0	36,8	61 600
9,0	78,3	36,6	52 300
10,0	76,6	36,3	44 800
11,0	74,9	36,0	38 800
12,0	73,2	35,7	33 800



			
m	°	m	kg
 38,0 m			
6,7	82,7	40,0	75 100
7,0	82,3	40,0	71 200
8,0	80,8	39,8	59 500
9,0	79,2	39,6	50 600
10,0	77,7	39,4	43 500
11,0	76,1	39,2	37 700
12,0	74,6	38,9	32 800

			
m	°	m	kg
 41,0 m			
7,3	82,4	43,0	64 600
8,0	81,4	42,9	57 500
9,0	80,0	42,7	49 000
10,0	78,6	42,5	42 100
11,0	77,2	42,3	36 500
12,0	75,7	42,0	31 800
14,0	72,8	41,4	24 400

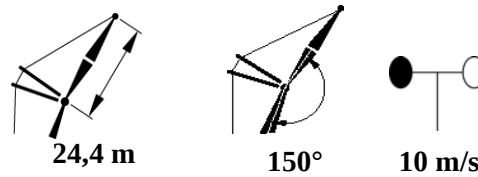
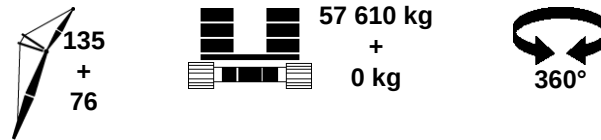
			
m	°	m	kg
 44,0 m			
7,3	82,9	46,0	62 400
8,0	82,0	45,9	55 600
9,0	80,7	45,7	47 500
10,0	79,4	45,6	40 900
11,0	78,1	45,3	35 500
12,0	76,7	45,1	31 000
14,0	74,0	44,5	23 800
16,0	71,3	43,9	18 400



20,0 m			
4,6	82,3	22,2	160 700*
5,0	81,1	22,1	146 600
5,5	79,6	22,0	128 500
6,0	78,1	21,9	112 400
7,0	75,2	21,6	88 700
8,0	72,2	21,3	72 300
9,0	69,1	20,9	60 000
10,0	65,9	20,4	50 600

23,0 m			
4,9	82,6	25,2	145 900
5,0	82,3	25,1	140 800
5,5	81,0	25,0	122 100
6,0	79,7	24,9	107 400
7,0	77,2	24,7	85 500
8,0	74,6	24,4	70 000
9,0	71,9	24,1	58 400
10,0	69,3	23,7	49 400
11,0	66,6	23,3	42 300

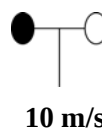
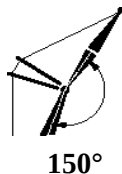
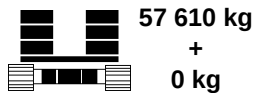
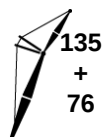
26,0 m			
5,2	82,7	28,1	126 400
5,5	82,0	28,1	116 200
6,0	80,9	28,0	102 700
7,0	78,7	27,8	82 300
8,0	76,4	27,5	67 800
9,0	74,1	27,3	56 800
10,0	71,8	26,9	48 200
11,0	69,4	26,5	41 300
12,0	67,0	26,1	35 700



			
m	°	m	kg
 29,0 m			
5,5	82,9	31,1	111 000
6,0	81,9	31,0	98 200
7,0	79,9	30,9	79 200
8,0	77,8	30,6	65 500
9,0	75,8	30,4	55 100
10,0	73,7	30,1	46 900
11,0	71,6	29,7	40 300
12,0	69,5	29,4	34 900

			
m	°	m	kg
 32,0 m			
6,1	82,5	34,1	92 000
7,0	80,8	33,9	76 300
8,0	79,0	33,7	63 400
9,0	77,2	33,5	53 500
10,0	75,3	33,2	45 700
11,0	73,4	32,9	39 300
12,0	71,5	32,6	34 100
14,0	67,7	31,8	26 000

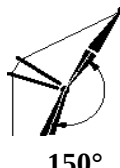
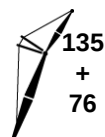
			
m	°	m	kg
 35,0 m			
6,7	82,1	37,0	77 800
7,0	81,6	37,0	73 700
8,0	80,0	36,8	61 300
9,0	78,3	36,6	51 800
10,0	76,6	36,3	44 300
11,0	74,9	36,0	38 200
12,0	73,2	35,7	33 200
14,0	69,7	35,0	25 300
16,0	66,1	34,2	19 400



m	°	m	kg
38,0 m			
6,7	82,7	40,0	74 900
7,0	82,3	40,0	71 000
8,0	80,8	39,8	59 200
9,0	79,2	39,6	50 200
10,0	77,7	39,4	43 000
11,0	76,1	39,2	37 200
12,0	74,6	38,9	32 300
14,0	71,4	38,2	24 600
16,0	68,1	37,4	18 800
18,0	64,8	36,5	14 400

m	°	m	kg
41,0 m			
7,3	82,4	43,0	64 400
8,0	81,4	42,9	57 200
9,0	80,0	42,7	48 600
10,0	78,6	42,5	41 700
11,0	77,2	42,3	36 100
12,0	75,7	42,0	31 300
14,0	72,8	41,4	23 900
16,0	69,8	40,7	18 200
18,0	66,8	39,8	13 900

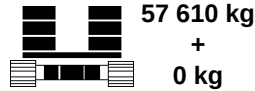
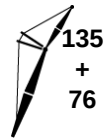
m	°	m	kg
44,0 m			
7,3	82,9	46,0	62 100
8,0	82,0	45,9	55 300
9,0	80,7	45,7	47 100
10,0	79,4	45,6	40 500
11,0	78,1	45,3	35 100
12,0	76,7	45,1	30 500
14,0	74,0	44,5	23 300
16,0	71,3	43,9	17 800
18,0	68,5	43,1	13 600



m	°	m	kg
20,0 m			
4,6	82,3	22,2	158 800*
5,0	81,1	22,1	144 300
5,5	79,6	22,0	125 600
6,0	78,1	21,9	109 700
7,0	75,2	21,6	86 400
8,0	72,2	21,3	70 100
9,0	69,1	20,9	58 100
10,0	65,9	20,4	48 800

m	°	m	kg
23,0 m			
4,9	82,6	25,2	142 800
5,0	82,3	25,1	137 800
5,5	81,0	25,0	119 400
6,0	79,7	24,9	104 900
7,0	77,2	24,7	83 200
8,0	74,6	24,4	68 000
9,0	71,9	24,1	56 500
10,0	69,3	23,7	47 700
11,0	66,6	23,3	40 600

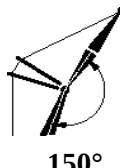
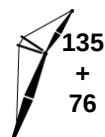
m	°	m	kg
26,0 m			
5,2	82,7	28,1	123 700
5,5	82,0	28,1	113 600
6,0	80,9	28,0	100 300
7,0	78,7	27,8	80 200
8,0	76,4	27,5	65 900
9,0	74,1	27,3	55 000
10,0	71,8	26,9	46 600
11,0	69,4	26,5	39 800
12,0	67,0	26,1	34 300



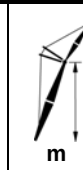
5,5	82,9	31,1	108 600
6,0	81,9	31,0	96 000
7,0	79,9	30,9	77 200
8,0	77,8	30,6	63 700
9,0	75,8	30,4	53 400
10,0	73,7	30,1	45 300
11,0	71,6	29,7	38 800
12,0	69,5	29,4	33 500

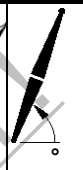
6,1	82,5	34,1	89 900
7,0	80,8	33,9	74 400
8,0	79,0	33,7	61 700
9,0	77,2	33,5	51 900
10,0	75,3	33,2	44 200
11,0	73,4	32,9	37 900
12,0	71,5	32,6	32 800
14,0	67,7	31,8	24 800

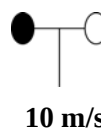
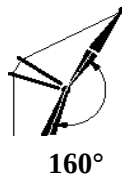
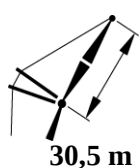
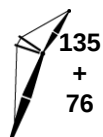
6,7	82,1	37,0	76 000
7,0	81,6	37,0	71 900
8,0	80,0	36,8	59 600
9,0	78,3	36,6	50 300
10,0	76,6	36,3	42 900
11,0	74,9	36,0	36 900
12,0	73,2	35,7	31 900
14,0	69,7	35,0	24 100
16,0	66,1	34,2	18 300



			
m	°	m	kg
 38,0 m			
6,7	82,7	40,0	73 100
7,0	82,3	40,0	69 200
8,0	80,8	39,8	57 600
9,0	79,2	39,6	48 700
10,0	77,7	39,4	41 600
11,0	76,1	39,2	35 900
12,0	74,6	38,9	31 000
14,0	71,4	38,2	23 400
16,0	68,1	37,4	17 800
18,0	64,8	36,5	13 400

			
m	°	m	kg
 41,0 m			
7,3	82,4	43,0	62 700
8,0	81,4	42,9	55 600
9,0	80,0	42,7	47 100
10,0	78,6	42,5	40 300
11,0	77,2	42,3	34 800
12,0	75,7	42,0	30 100
14,0	72,8	41,4	22 800
16,0	69,8	40,7	17 200
18,0	66,8	39,8	12 900

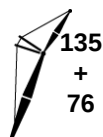
			
m	°	m	kg
 44,0 m			
7,3	82,9	46,0	60 500
8,0	82,0	45,9	53 800
9,0	80,7	45,7	45 700
10,0	79,4	45,6	39 200
11,0	78,1	45,3	33 800
12,0	76,7	45,1	29 300
14,0	74,0	44,5	22 200
16,0	71,3	43,9	16 800
18,0	68,5	43,1	12 600



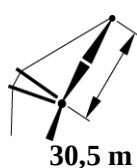
4,6	82,3	22,2	160 300*
5,0	81,1	22,1	145 700
5,5	79,6	22,0	126 900
6,0	78,1	21,9	110 700
7,0	75,2	21,6	86 900
8,0	72,2	21,3	70 300
9,0	69,1	20,9	58 000
10,0	65,9	20,4	48 500
11,0	62,7	19,9	41 000
12,0	59,4	19,3	34 300

4,9	82,6	25,2	144 700
5,0	82,3	25,1	139 600
5,5	81,0	25,0	120 700
6,0	79,7	24,9	106 000
7,0	77,2	24,7	83 900
8,0	74,6	24,4	68 300
9,0	71,9	24,1	56 600
10,0	69,3	23,7	47 600
11,0	66,6	23,3	40 400
12,0	63,8	22,8	34 500

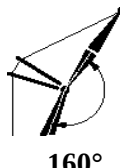
5,2	82,7	28,1	125 300
5,5	82,0	28,1	115 000
6,0	80,9	28,0	101 400
7,0	78,7	27,8	80 900
8,0	76,4	27,5	66 300
9,0	74,1	27,3	55 200
10,0	71,8	26,9	46 600
11,0	69,4	26,5	39 700
12,0	67,0	26,1	34 000
14,0	62,1	25,1	25 200



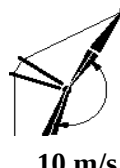
57 610 kg
+
0 kg



30,5 m



160°

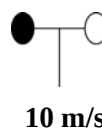
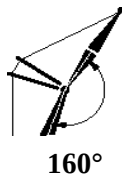
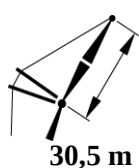
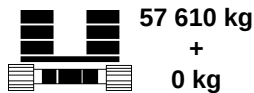
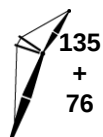


10 m/s

			
 29,0 m			
5,5	82,9	31,1	110 000
6,0	81,9	31,0	97 100
7,0	79,9	30,9	78 000
8,0	77,8	30,6	64 200
9,0	75,8	30,4	53 600
10,0	73,7	30,1	45 400
11,0	71,6	29,7	38 800
12,0	69,5	29,4	33 300
14,0	65,2	28,5	24 800
16,0	60,7	27,4	18 500

			
 32,0 m			
6,1	82,5	34,1	91 000
7,0	80,8	33,9	75 200
8,0	79,0	33,7	62 200
9,0	77,2	33,5	52 200
10,0	75,3	33,2	44 300
11,0	73,4	32,9	37 900
12,0	71,5	32,6	32 700
14,0	67,7	31,8	24 500
16,0	63,7	30,8	18 400
18,0	59,6	29,7	13 700

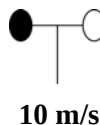
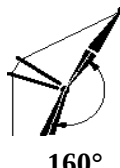
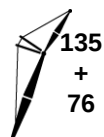
			
 35,0 m			
6,7	82,1	37,0	76 900
7,0	81,6	37,0	72 700
8,0	80,0	36,8	60 100
9,0	78,3	36,6	50 600
10,0	76,6	36,3	43 100
11,0	74,9	36,0	36 900
12,0	73,2	35,7	31 900
14,0	69,7	35,0	23 900
16,0	66,1	34,2	17 900
18,0	62,5	33,2	13 300



6,7	82,7	40,0	74 000
7,0	82,3	40,0	70 000
8,0	80,8	39,8	58 200
9,0	79,2	39,6	49 100
10,0	77,7	39,4	41 900
11,0	76,1	39,2	36 000
12,0	74,6	38,9	31 000
14,0	71,4	38,2	23 300
16,0	68,1	37,4	17 500
18,0	64,8	36,5	13 000
20,0	61,4	35,5	9 400

7,3	82,4	43,0	63 500
8,0	81,4	42,9	56 200
9,0	80,0	42,7	47 600
10,0	78,6	42,5	40 600
11,0	77,2	42,3	34 900
12,0	75,7	42,0	30 100
14,0	72,8	41,4	22 600
16,0	69,8	40,7	17 000
18,0	66,8	39,8	12 600
20,0	63,7	38,9	9 100
22,0	60,5	37,8	6 200

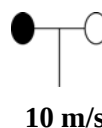
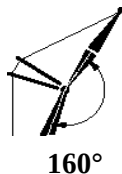
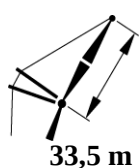
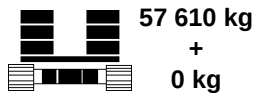
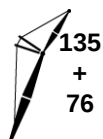
7,3	82,9	46,0	61 300
8,0	82,0	45,9	54 400
9,0	80,7	45,7	46 100
10,0	79,4	45,6	39 500
11,0	78,1	45,3	34 000
12,0	76,7	45,1	29 400
14,0	74,0	44,5	22 100
16,0	71,3	43,9	16 600
18,0	68,5	43,1	12 300
20,0	65,6	42,2	8 900
22,0	62,7	41,2	6 000
24,0	59,7	40,1	3 700



m	°	m	kg
20,0 m			
4,6	82,3	22,2	158 900*
5,0	81,1	22,1	144 100
5,5	79,6	22,0	124 700
6,0	78,1	21,9	108 700
7,0	75,2	21,6	85 100
8,0	72,2	21,3	68 700
9,0	69,1	20,9	56 500
10,0	65,9	20,4	47 100
11,0	62,7	19,9	39 700
12,0	59,4	19,3	33 200

m	°	m	kg
23,0 m			
4,9	82,6	25,2	142 500
5,0	82,3	25,1	137 500
5,5	81,0	25,0	118 800
6,0	79,7	24,9	104 100
7,0	77,2	24,7	82 200
8,0	74,6	24,4	66 800
9,0	71,9	24,1	55 300
10,0	69,3	23,7	46 300
11,0	66,6	23,3	39 200
12,0	63,8	22,8	33 300

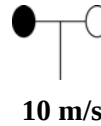
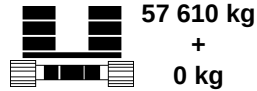
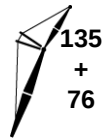
m	°	m	kg
26,0 m			
5,2	82,7	28,1	123 400
5,5	82,0	28,1	113 200
6,0	80,9	28,0	99 700
7,0	78,7	27,8	79 400
8,0	76,4	27,5	64 900
9,0	74,1	27,3	53 900
10,0	71,8	26,9	45 400
11,0	69,4	26,5	38 600
12,0	67,0	26,1	32 900
14,0	62,1	25,1	24 300



m	°	m	kg
29,0 m			
5,5	82,9	31,1	108 300
6,0	81,9	31,0	95 500
7,0	79,9	30,9	76 600
8,0	77,8	30,6	62 900
9,0	75,8	30,4	52 500
10,0	73,7	30,1	44 300
11,0	71,6	29,7	37 700
12,0	69,5	29,4	32 300
14,0	65,2	28,5	23 900
16,0	60,7	27,4	17 700

m	°	m	kg
32,0 m			
6,1	82,5	34,1	89 600
7,0	80,8	33,9	73 900
8,0	79,0	33,7	61 000
9,0	77,2	33,5	51 100
10,0	75,3	33,2	43 300
11,0	73,4	32,9	36 900
12,0	71,5	32,6	31 700
14,0	67,7	31,8	23 600
16,0	63,7	30,8	17 600
18,0	59,6	29,7	13 000

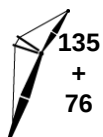
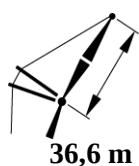
m	°	m	kg
35,0 m			
6,7	82,1	37,0	75 600
7,0	81,6	37,0	71 400
8,0	80,0	36,8	59 000
9,0	78,3	36,6	49 600
10,0	76,6	36,3	42 100
11,0	74,9	36,0	36 000
12,0	73,2	35,7	31 000
14,0	69,7	35,0	23 000
16,0	66,1	34,2	17 200
18,0	62,5	33,2	12 600



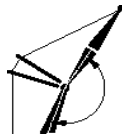
m	°	m	kg
6,7	82,7	40,0	72 700
7,0	82,3	40,0	68 800
8,0	80,8	39,8	57 100
9,0	79,2	39,6	48 100
10,0	77,7	39,4	40 900
11,0	76,1	39,2	35 000
12,0	74,6	38,9	30 200
14,0	71,4	38,2	22 500
16,0	68,1	37,4	16 800
18,0	64,8	36,5	12 300
20,0	61,4	35,5	8 800

m	°	m	kg
7,3	82,4	43,0	62 400
8,0	81,4	42,9	55 100
9,0	80,0	42,7	46 600
10,0	78,6	42,5	39 700
11,0	77,2	42,3	34 100
12,0	75,7	42,0	29 300
14,0	72,8	41,4	21 900
16,0	69,8	40,7	16 300
18,0	66,8	39,8	11 900
20,0	63,7	38,9	8 500
22,0	60,5	37,8	5 600

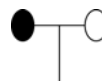
m	°	m	kg
7,3	82,9	46,0	60 200
8,0	82,0	45,9	53 400
9,0	80,7	45,7	45 200
10,0	79,4	45,6	38 600
11,0	78,1	45,3	33 200
12,0	76,7	45,1	28 600
14,0	74,0	44,5	21 400
16,0	71,3	43,9	16 000
18,0	68,5	43,1	11 700
20,0	65,6	42,2	8 300
22,0	62,7	41,2	5 500


57 610 kg
+
0 kg


36,6 m



160°

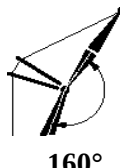
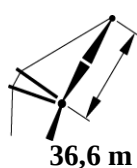
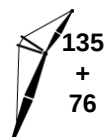


10 m/s

m	°	m	kg
20,0 m			
4,6	82,3	22,2	156 800*
5,0	81,1	22,1	141 700
5,5	79,6	22,0	121 700
6,0	78,1	21,9	105 900
7,0	75,2	21,6	82 600
8,0	72,2	21,3	66 300
9,0	69,1	20,9	54 300
10,0	65,9	20,4	45 000
11,0	62,7	19,9	37 700
12,0	59,4	19,3	31 400

m	°	m	kg
23,0 m			
4,9	82,6	25,2	139 400
5,0	82,3	25,1	134 400
5,5	81,0	25,0	115 900
6,0	79,7	24,9	101 400
7,0	77,2	24,7	79 800
8,0	74,6	24,4	64 600
9,0	71,9	24,1	53 100
10,0	69,3	23,7	44 300
11,0	66,6	23,3	37 300
12,0	63,8	22,8	31 500

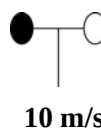
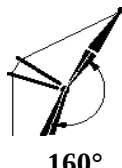
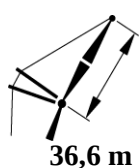
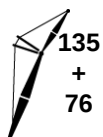
m	°	m	kg
26,0 m			
5,2	82,7	28,1	120 700
5,5	82,0	28,1	110 500
6,0	80,9	28,0	97 200
7,0	78,7	27,8	77 100
8,0	76,4	27,5	62 800
9,0	74,1	27,3	51 900
10,0	71,8	26,9	43 500
11,0	69,4	26,5	36 800
12,0	67,0	26,1	31 200
14,0	62,1	25,1	22 700



m	°	m	kg
29,0 m			
5,5	82,9	31,1	105 800
6,0	81,9	31,0	93 200
7,0	79,9	30,9	74 400
8,0	77,8	30,6	60 900
9,0	75,8	30,4	50 600
10,0	73,7	30,1	42 500
11,0	71,6	29,7	36 000
12,0	69,5	29,4	30 700
14,0	65,2	28,5	22 400
16,0	60,7	27,4	16 200

m	°	m	kg
32,0 m			
6,1	82,5	34,1	87 400
7,0	80,8	33,9	71 800
8,0	79,0	33,7	59 100
9,0	77,2	33,5	49 300
10,0	75,3	33,2	41 600
11,0	73,4	32,9	35 300
12,0	71,5	32,6	30 200
14,0	67,7	31,8	22 100
16,0	63,7	30,8	16 100
18,0	59,6	29,7	11 600

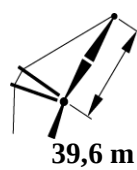
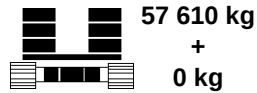
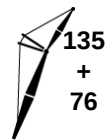
m	°	m	kg
35,0 m			
6,7	82,1	37,0	73 500
7,0	81,6	37,0	69 400
8,0	80,0	36,8	57 200
9,0	78,3	36,6	47 800
10,0	76,6	36,3	40 500
11,0	74,9	36,0	34 400
12,0	73,2	35,7	29 400
14,0	69,7	35,0	21 600
16,0	66,1	34,2	15 800
18,0	62,5	33,2	11 300



38,0 m			
6,7	82,7	40,0	70 800
7,0	82,3	40,0	66 900
8,0	80,8	39,8	55 300
9,0	79,2	39,6	46 400
10,0	77,7	39,4	39 300
11,0	76,1	39,2	33 600
12,0	74,6	38,9	28 700
14,0	71,4	38,2	21 100
16,0	68,1	37,4	15 500
18,0	64,8	36,5	11 100
20,0	61,4	35,5	7 600

41,0 m			
7,3	82,4	43,0	60 600
8,0	81,4	42,9	53 500
9,0	80,0	42,7	45 000
10,0	78,6	42,5	38 200
11,0	77,2	42,3	32 600
12,0	75,7	42,0	27 900
14,0	72,8	41,4	20 600
16,0	69,8	40,7	15 000
18,0	66,8	39,8	10 700
20,0	63,7	38,9	7 300
22,0	60,5	37,8	4 500

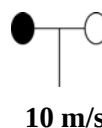
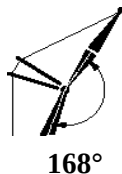
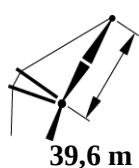
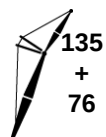
44,0 m			
7,3	82,9	46,0	58 500
8,0	82,0	45,9	51 700
9,0	80,7	45,7	43 600
10,0	79,4	45,6	37 100
11,0	78,1	45,3	31 700
12,0	76,7	45,1	27 200
14,0	74,0	44,5	20 100
16,0	71,3	43,9	14 700
18,0	68,5	43,1	10 500
20,0	65,6	42,2	7 100
22,0	62,7	41,2	4 400



4,6	82,3	22,2	159 700*
5,0	81,1	22,1	144 500
5,5	79,6	22,0	124 600
6,0	78,1	21,9	108 300
7,0	75,2	21,6	84 200
8,0	72,2	21,3	67 500
9,0	69,1	20,9	55 000
10,0	65,9	20,4	45 500
11,0	62,7	19,9	37 900
12,0	59,4	19,3	31 600

4,9	82,6	25,2	143 000
5,0	82,3	25,1	137 900
5,5	81,0	25,0	118 800
6,0	79,7	24,9	103 900
7,0	77,2	24,7	81 600
8,0	74,6	24,4	65 900
9,0	71,9	24,1	54 100
10,0	69,3	23,7	45 000
11,0	66,6	23,3	37 700
12,0	63,8	22,8	31 800
14,0	58,0	21,6	22 500

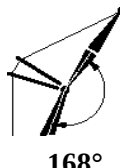
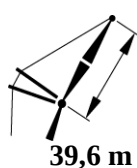
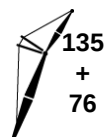
5,2	82,7	28,1	123 800
5,5	82,0	28,1	113 400
6,0	80,9	28,0	99 700
7,0	78,7	27,8	79 000
8,0	76,4	27,5	64 200
9,0	74,1	27,3	53 000
10,0	71,8	26,9	44 300
11,0	69,4	26,5	37 300
12,0	67,0	26,1	31 600
14,0	62,1	25,1	22 700
16,0	56,9	23,8	16 100



m	°	m	kg
29,0 m			
5,5	82,9	31,1	108 600
6,0	81,9	31,0	95 600
7,0	79,9	30,9	76 300
8,0	77,8	30,6	62 300
9,0	75,8	30,4	51 700
10,0	73,7	30,1	43 400
11,0	71,6	29,7	36 700
12,0	69,5	29,4	31 100
14,0	65,2	28,5	22 600
16,0	60,7	27,4	16 200
18,0	56,0	26,1	11 400

m	°	m	kg
32,0 m			
6,1	82,5	34,1	89 700
7,0	80,8	33,9	73 700
8,0	79,0	33,7	60 500
9,0	77,2	33,5	50 500
10,0	75,3	33,2	42 500
11,0	73,4	32,9	36 000
12,0	71,5	32,6	30 700
14,0	67,7	31,8	22 400
16,0	63,7	30,8	16 300
18,0	59,6	29,7	11 500
20,0	55,3	28,4	7 700

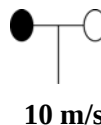
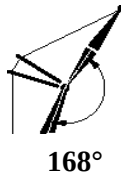
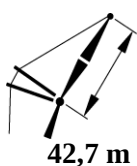
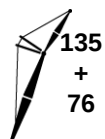
m	°	m	kg
35,0 m			
6,7	82,1	37,0	75 500
7,0	81,6	37,0	71 300
8,0	80,0	36,8	58 600
9,0	78,3	36,6	49 100
10,0	76,6	36,3	41 400
11,0	74,9	36,0	35 200
12,0	73,2	35,7	30 100
14,0	69,7	35,0	22 000
16,0	66,1	34,2	16 000
18,0	62,5	33,2	11 300
20,0	58,7	32,0	7 700
22,0	54,7	30,6	4 600



m	°	m	kg
38,0 m			
6,7	82,7	40,0	72 800
7,0	82,3	40,0	68 800
8,0	80,8	39,8	56 800
9,0	79,2	39,6	47 600
10,0	77,7	39,4	40 300
11,0	76,1	39,2	34 400
12,0	74,6	38,9	29 400
14,0	71,4	38,2	21 600
16,0	68,1	37,4	15 700
18,0	64,8	36,5	11 200
20,0	61,4	35,5	7 500
22,0	57,9	34,3	4 600

m	°	m	kg
41,0 m			
7,3	82,4	43,0	62 300
8,0	81,4	42,9	54 900
9,0	80,0	42,7	46 200
10,0	78,6	42,5	39 200
11,0	77,2	42,3	33 400
12,0	75,7	42,0	28 600
14,0	72,8	41,4	21 000
16,0	69,8	40,7	15 300
18,0	66,8	39,8	10 900
20,0	63,7	38,9	7 300
22,0	60,5	37,8	4 400

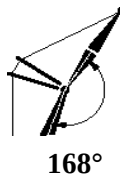
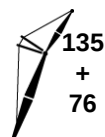
m	°	m	kg
44,0 m			
7,3	82,9	46,0	60 200
8,0	82,0	45,9	53 200
9,0	80,7	45,7	44 900
10,0	79,4	45,6	38 100
11,0	78,1	45,3	32 600
12,0	76,7	45,1	28 000
14,0	74,0	44,5	20 600
16,0	71,3	43,9	15 000
18,0	68,5	43,1	10 700
20,0	65,6	42,2	7 200
22,0	62,7	41,2	4 400



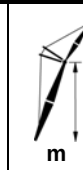
4,6	82,3	22,2	157 900*
5,0	81,1	22,1	142 400
5,5	79,6	22,0	121 900
6,0	78,1	21,9	105 800
7,0	75,2	21,6	81 900
8,0	72,2	21,3	65 300
9,0	69,1	20,9	52 900
10,0	65,9	20,4	43 400
11,0	62,7	19,9	35 900
12,0	59,4	19,3	29 800

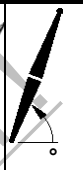
4,9	82,6	25,2	140 400
5,0	82,3	25,1	135 300
5,5	81,0	25,0	116 400
6,0	79,7	24,9	101 600
7,0	77,2	24,7	79 400
8,0	74,6	24,4	63 800
9,0	71,9	24,1	52 100
10,0	69,3	23,7	43 100
11,0	66,6	23,3	35 900
12,0	63,8	22,8	30 000
14,0	58,0	21,6	20 900

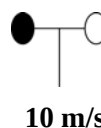
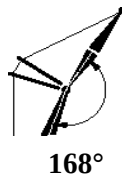
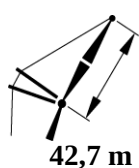
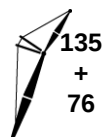
5,2	82,7	28,1	121 400
5,5	82,0	28,1	111 100
6,0	80,9	28,0	97 500
7,0	78,7	27,8	77 000
8,0	76,4	27,5	62 300
9,0	74,1	27,3	51 200
10,0	71,8	26,9	42 500
11,0	69,4	26,5	35 600
12,0	67,0	26,1	29 900
14,0	62,1	25,1	21 100
16,0	56,9	23,8	14 700



			
m	°	m	kg
 29,0 m			
5,5	82,9	31,1	106 500
6,0	81,9	31,0	93 500
7,0	79,9	30,9	74 400
8,0	77,8	30,6	60 500
9,0	75,8	30,4	50 000
10,0	73,7	30,1	41 700
11,0	71,6	29,7	35 100
12,0	69,5	29,4	29 600
14,0	65,2	28,5	21 100
16,0	60,7	27,4	14 800
18,0	56,0	26,1	9 900

			
m	°	m	kg
 32,0 m			
6,1	82,5	34,1	87 800
7,0	80,8	33,9	71 900
8,0	79,0	33,7	58 900
9,0	77,2	33,5	48 800
10,0	75,3	33,2	40 900
11,0	73,4	32,9	34 500
12,0	71,5	32,6	29 200
14,0	67,7	31,8	21 000
16,0	63,7	30,8	14 900
18,0	59,6	29,7	10 200
20,0	55,3	28,4	6 400

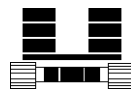
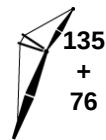
			
m	°	m	kg
 35,0 m			
6,7	82,1	37,0	73 800
7,0	81,6	37,0	69 600
8,0	80,0	36,8	57 100
9,0	78,3	36,6	47 500
10,0	76,6	36,3	39 900
11,0	74,9	36,0	33 800
12,0	73,2	35,7	28 600
14,0	69,7	35,0	20 600
16,0	66,1	34,2	14 700
18,0	62,5	33,2	10 100
20,0	58,7	32,0	6 400



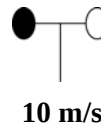
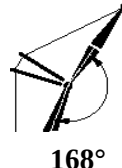
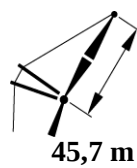
m	°	m	kg
38,0 m			
6,7	82,7	40,0	71 100
7,0	82,3	40,0	67 100
8,0	80,8	39,8	55 200
9,0	79,2	39,6	46 200
10,0	77,7	39,4	38 900
11,0	76,1	39,2	33 000
12,0	74,6	38,9	28 000
14,0	71,4	38,2	20 300
16,0	68,1	37,4	14 500
18,0	64,8	36,5	9 900
20,0	61,4	35,5	6 400

m	°	m	kg
41,0 m			
7,3	82,4	43,0	60 700
8,0	81,4	42,9	53 500
9,0	80,0	42,7	44 800
10,0	78,6	42,5	37 800
11,0	77,2	42,3	32 100
12,0	75,7	42,0	27 300
14,0	72,8	41,4	19 800
16,0	69,8	40,7	14 100
18,0	66,8	39,8	9 700
20,0	63,7	38,9	6 100

m	°	m	kg
44,0 m			
7,3	82,9	46,0	58 700
8,0	82,0	45,9	51 800
9,0	80,7	45,7	43 500
10,0	79,4	45,6	36 800
11,0	78,1	45,3	31 300
12,0	76,7	45,1	26 700
14,0	74,0	44,5	19 400
16,0	71,3	43,9	13 900
18,0	68,5	43,1	9 600
20,0	65,6	42,2	6 100



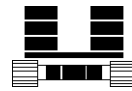
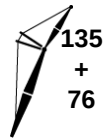
57 610 kg
+
0 kg



m	°	m	kg
20,0 m			
4,6	82,3	22,2	156 600*
5,0	81,1	22,1	140 900
5,5	79,6	22,0	119 800
6,0	78,1	21,9	103 800
7,0	75,2	21,6	80 100
8,0	72,2	21,3	63 600
9,0	69,1	20,9	51 400
10,0	65,9	20,4	42 000
11,0	62,7	19,9	34 500
12,0	59,4	19,3	28 500

m	°	m	kg
23,0 m			
4,9	82,6	25,2	138 300
5,0	82,3	25,1	133 200
5,5	81,0	25,0	114 500
6,0	79,7	24,9	99 800
7,0	77,2	24,7	77 800
8,0	74,6	24,4	62 300
9,0	71,9	24,1	50 700
10,0	69,3	23,7	41 700
11,0	66,6	23,3	34 600
12,0	63,8	22,8	28 800
14,0	58,0	21,6	19 700

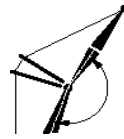
m	°	m	kg
26,0 m			
5,2	82,7	28,1	119 600
5,5	82,0	28,1	109 400
6,0	80,9	28,0	95 900
7,0	78,7	27,8	75 500
8,0	76,4	27,5	60 900
9,0	74,1	27,3	49 900
10,0	71,8	26,9	41 300
11,0	69,4	26,5	34 400
12,0	67,0	26,1	28 800
14,0	62,1	25,1	20 100
16,0	56,9	23,8	13 700



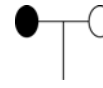
57 610 kg
+
0 kg



45,7 m



168°

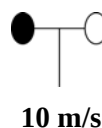
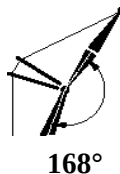
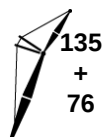


10 m/s

5,5	82,9	31,1	104 900
6,0	81,9	31,0	92 000
7,0	79,9	30,9	73 000
8,0	77,8	30,6	59 300
9,0	75,8	30,4	48 800
10,0	73,7	30,1	40 600
11,0	71,6	29,7	34 000
12,0	69,5	29,4	28 500
14,0	65,2	28,5	20 100
16,0	60,7	27,4	13 800
18,0	56,0	26,1	9 100

6,1	82,5	34,1	86 400
7,0	80,8	33,9	70 600
8,0	79,0	33,7	57 600
9,0	77,2	33,5	47 700
10,0	75,3	33,2	39 900
11,0	73,4	32,9	33 500
12,0	71,5	32,6	28 300
14,0	67,7	31,8	20 100
16,0	63,7	30,8	14 000
18,0	59,6	29,7	9 300
20,0	55,3	28,4	5 600

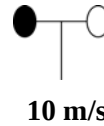
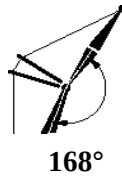
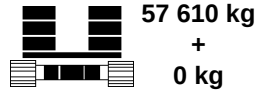
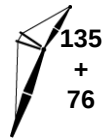
6,7	82,1	37,0	72 500
7,0	81,6	37,0	68 400
8,0	80,0	36,8	55 900
9,0	78,3	36,6	46 400
10,0	76,6	36,3	38 900
11,0	74,9	36,0	32 800
12,0	73,2	35,7	27 700
14,0	69,7	35,0	19 800
16,0	66,1	34,2	13 800
18,0	62,5	33,2	9 300
20,0	58,7	32,0	5 600



m	°	m	kg
38,0 m			
6,7	82,7	40,0	69 900
7,0	82,3	40,0	66 000
8,0	80,8	39,8	54 100
9,0	79,2	39,6	45 100
10,0	77,7	39,4	37 900
11,0	76,1	39,2	32 100
12,0	74,6	38,9	27 100
14,0	71,4	38,2	19 400
16,0	68,1	37,4	13 700
18,0	64,8	36,5	9 200
20,0	61,4	35,5	5 600

m	°	m	kg
41,0 m			
7,3	82,4	43,0	59 600
8,0	81,4	42,9	52 400
9,0	80,0	42,7	43 800
10,0	78,6	42,5	36 900
11,0	77,2	42,3	31 200
12,0	75,7	42,0	26 500
14,0	72,8	41,4	19 000
16,0	69,8	40,7	13 300
18,0	66,8	39,8	9 000

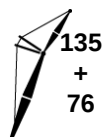
m	°	m	kg
44,0 m			
7,3	82,9	46,0	57 600
8,0	82,0	45,9	50 800
9,0	80,7	45,7	42 500
10,0	79,4	45,6	35 900
11,0	78,1	45,3	30 500
12,0	76,7	45,1	25 900
14,0	74,0	44,5	18 600
16,0	71,3	43,9	13 200
18,0	68,5	43,1	8 900



4,6	82,3	22,2	154 800*
5,0	81,1	22,1	137 800
5,5	79,6	22,0	117 000
6,0	78,1	21,9	101 100
7,0	75,2	21,6	77 600
8,0	72,2	21,3	61 300
9,0	69,1	20,9	49 100
10,0	65,9	20,4	39 800
11,0	62,7	19,9	32 400
12,0	59,4	19,3	26 400

4,9	82,6	25,2	135 500
5,0	82,3	25,1	130 500
5,5	81,0	25,0	111 900
6,0	79,7	24,9	97 300
7,0	77,2	24,7	75 500
8,0	74,6	24,4	60 200
9,0	71,9	24,1	48 700
10,0	69,3	23,7	39 800
11,0	66,6	23,3	32 700
12,0	63,8	22,8	26 900
14,0	58,0	21,6	18 000

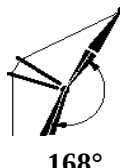
5,2	82,7	28,1	117 200
5,5	82,0	28,1	107 000
6,0	80,9	28,0	93 600
7,0	78,7	27,8	73 300
8,0	76,4	27,5	58 900
9,0	74,1	27,3	48 000
10,0	71,8	26,9	39 500
11,0	69,4	26,5	32 700
12,0	67,0	26,1	27 000
14,0	62,1	25,1	18 400
16,0	56,9	23,8	12 100



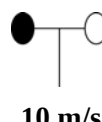
57 610 kg
+
0 kg



48,8 m



168°

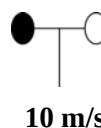
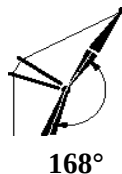
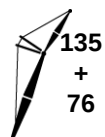


10 m/s

5,5	82,9	31,1	102 600
6,0	81,9	31,0	89 900
7,0	79,9	30,9	71 000
8,0	77,8	30,6	57 400
9,0	75,8	30,4	47 000
10,0	73,7	30,1	38 800
11,0	71,6	29,7	32 300
12,0	69,5	29,4	26 900
14,0	65,2	28,5	18 500
16,0	60,7	27,4	12 300
18,0	56,0	26,1	7 600

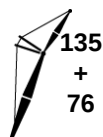
6,1	82,5	34,1	84 400
7,0	80,8	33,9	68 700
8,0	79,0	33,7	55 800
9,0	77,2	33,5	46 000
10,0	75,3	33,2	38 200
11,0	73,4	32,9	31 900
12,0	71,5	32,6	26 700
14,0	67,7	31,8	18 600
16,0	63,7	30,8	12 600
18,0	59,6	29,7	8 000

6,7	82,1	37,0	70 700
7,0	81,6	37,0	66 600
8,0	80,0	36,8	54 200
9,0	78,3	36,6	44 800
10,0	76,6	36,3	37 400
11,0	74,9	36,0	31 300
12,0	73,2	35,7	26 200
14,0	69,7	35,0	18 300
16,0	66,1	34,2	12 500
18,0	62,5	33,2	7 900

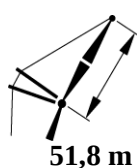


m	°	m	kg
6,7	82,7	40,0	68 100
7,0	82,3	40,0	64 200
8,0	80,8	39,8	52 500
9,0	79,2	39,6	43 600
10,0	77,7	39,4	36 400
11,0	76,1	39,2	30 600
12,0	74,6	38,9	25 700
14,0	71,4	38,2	18 100
16,0	68,1	37,4	12 400
18,0	64,8	36,5	7 900

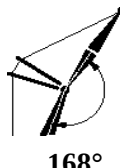
m	°	m	kg
7,3	82,4	43,0	58 100
8,0	81,4	42,9	50 900
9,0	80,0	42,7	42 300
10,0	78,6	42,5	35 400
11,0	77,2	42,3	29 800
12,0	75,7	42,0	25 100
14,0	72,8	41,4	17 700
16,0	69,8	40,7	12 100
18,0	66,8	39,8	7 700



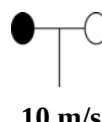
57 610 kg
+
0 kg



51,8 m



168°

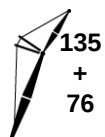
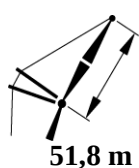


10 m/s

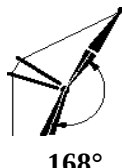
20,0 m			
4,6	82,3	22,2	153 000*
5,0	81,1	22,1	134 800
5,5	79,6	22,0	114 300
6,0	78,1	21,9	98 500
7,0	75,2	21,6	75 300
8,0	72,2	21,3	59 100
9,0	69,1	20,9	47 100
10,0	65,9	20,4	37 900
11,0	62,7	19,9	30 600
12,0	59,4	19,3	24 600

23,0 m			
4,9	82,6	25,2	132 900
5,0	82,3	25,1	127 900
5,5	81,0	25,0	109 500
6,0	79,7	24,9	95 000
7,0	77,2	24,7	73 400
8,0	74,6	24,4	58 200
9,0	71,9	24,1	46 800
10,0	69,3	23,7	38 000
11,0	66,6	23,3	30 900
12,0	63,8	22,8	25 200
14,0	58,0	21,6	16 400

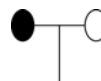
26,0 m			
5,2	82,7	28,1	114 800
5,5	82,0	28,1	104 700
6,0	80,9	28,0	91 400
7,0	78,7	27,8	71 400
8,0	76,4	27,5	57 100
9,0	74,1	27,3	46 200
10,0	71,8	26,9	37 800
11,0	69,4	26,5	31 000
12,0	67,0	26,1	25 500
14,0	62,1	25,1	16 900
16,0	56,9	23,8	10 700


 57 610 kg
+
0 kg


51,8 m



168°

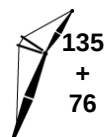


10 m/s

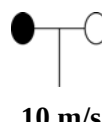
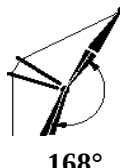
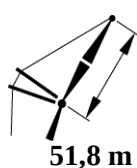
m	°	m	kg
29,0 m			
5,5	82,9	31,1	100 500
6,0	81,9	31,0	87 900
7,0	79,9	30,9	69 200
8,0	77,8	30,6	55 700
9,0	75,8	30,4	45 400
10,0	73,7	30,1	37 300
11,0	71,6	29,7	30 800
12,0	69,5	29,4	25 400
14,0	65,2	28,5	17 100
16,0	60,7	27,4	11 000
18,0	56,0	26,1	6 300

m	°	m	kg
32,0 m			
6,1	82,5	34,1	82 500
7,0	80,8	33,9	67 000
8,0	79,0	33,7	54 200
9,0	77,2	33,5	44 400
10,0	75,3	33,2	36 800
11,0	73,4	32,9	30 500
12,0	71,5	32,6	25 300
14,0	67,7	31,8	17 300
16,0	63,7	30,8	11 300
18,0	59,6	29,7	6 700

m	°	m	kg
35,0 m			
6,7	82,1	37,0	69 000
7,0	81,6	37,0	64 900
8,0	80,0	36,8	52 600
9,0	78,3	36,6	43 300
10,0	76,6	36,3	35 900
11,0	74,9	36,0	29 900
12,0	73,2	35,7	24 900
14,0	69,7	35,0	17 100
16,0	66,1	34,2	11 300
18,0	62,5	33,2	6 800



57 610 kg
+
0 kg



6,7	82,7	40,0	66 500
7,0	82,3	40,0	62 700
8,0	80,8	39,8	51 100
9,0	79,2	39,6	42 200
10,0	77,7	39,4	35 100
11,0	76,1	39,2	29 300
12,0	74,6	38,9	24 500
14,0	71,4	38,2	16 900
16,0	68,1	37,4	11 200
18,0	64,8	36,5	6 800

7,3	82,4	43,0	56 600
8,0	81,4	42,9	49 400
9,0	80,0	42,7	41 000
10,0	78,6	42,5	34 100
11,0	77,2	42,3	28 600
12,0	75,7	42,0	23 900
14,0	72,8	41,4	16 500
16,0	69,8	40,7	11 000
18,0	66,8	39,8	6 700