

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. 74A
Luffing Jib No. 135
56 000 kg Crane Counterweight
20 450 kg Carbody Counterweight
360 Degree Rating

MLC165-1 SERIES 2



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom-to-luffing jib angles, luffing jib lengths, and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components.

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 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. 81042733**, Wire Rope Specification chart **No. 9412-A**, Luffing Jib Raising Procedure chart **No. 9418-A**, and Wind Conditions chart **No. 9419-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.

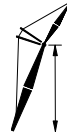
MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 9417-A**.



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



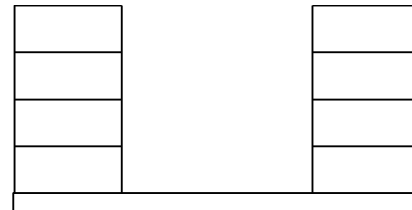
BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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

MACHINE EQUIPMENT: Machine equipped with 7 986 mm crawlers, 1 100 mm treads, 7 200 mm live mast, 18 part boom hoist reeving, boom support straps, 8 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 56 000 kg crane counterweight, and two 10 225 kg carbody counterweight.

Consult chart **No. 9415-AM** for main luffing jib capacities.



56 000 kg Crane Counterweight
8 Side Boxes

WARNING: Free fall operation is limited to 5 900 kg per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power must be used for full line pull.

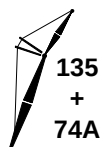
Lower Boom Point Sheave Deduct

Deduct 300 kg from capacities for boom lengths 45,0 m thru 48,0 m when lower boom point is equipped with outer sheave clusters.

Luffing Jib Position During Operation

Luffing Jib Length Meters	Boom-to-Luffing Jib Angle Degrees
21,3 - 24,4	150
27,4 - 30,5	160
33,5 - 51,8	168

Explanation of Symbols



Luffing Jib No. 135
+
Boom No. 74A



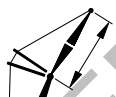
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Luffing Jib Length

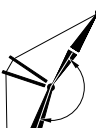


Boom Angle
(see page 1)

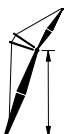
Explanation of Symbols (continued)



Operating Radius
(see page 1)



Boom-to-Luffing Jib Angle
(see page 1)

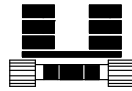
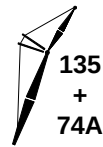


Boom Point Elevation
(see page 1)

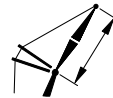


Lifting Capacities
(see page 1)

REFERENCE ONLY!



56 000 kg
+
20 450 kg



21,3 m

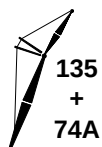


150°

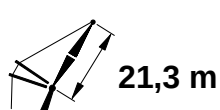
21,0 m			
m	o	m	kg
5,2	81,6	22,7	129 800
5,5	80,7	22,7	123 100
6,0	79,3	22,5	112 400
6,5	77,9	22,4	103 200
7,0	76,5	22,3	95 200
7,5	75,0	22,2	88 200
8,0	73,6	22,0	81 800
9,0	70,7	21,6	65 900
10,0	67,8	21,2	54 600

24,0 m			
m	o	m	kg
5,8	81,2	25,6	116 700
6,0	80,6	25,6	112 500
6,5	79,4	25,5	103 200
7,0	78,2	25,4	95 300
7,5	77,0	25,3	88 300
8,0	75,7	25,1	82 000
9,0	73,2	24,8	66 400
10,0	70,7	24,5	55 000
12,0	65,5	23,6	39 800

27,0 m			
m	o	m	kg
6,1	81,5	28,6	110 700
6,5	80,6	28,6	103 600
7,0	79,5	28,5	95 400
7,5	78,4	28,4	88 500
8,0	77,4	28,2	82 100
9,0	75,2	28,0	66 800
10,0	72,9	27,7	55 400
12,0	68,4	26,9	40 100



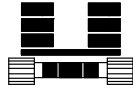
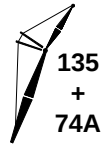
56 000 kg
+
20 450 kg



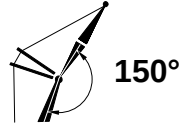
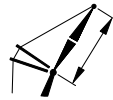
30,0 m			
m	o	m	kg
6,7	81,2	31,6	99 900
7,0	80,6	31,5	95 600
7,5	79,6	31,4	88 400
8,0	78,6	31,3	82 100
9,0	76,7	31,1	67 100
10,0	74,7	30,8	55 600
12,0	70,7	30,1	40 300

33,0 m			
m	o	m	kg
7,3	80,9	34,5	91 000
7,5	80,6	34,5	88 700
8,0	79,7	34,4	82 200
9,0	77,9	34,2	67 300
10,0	76,1	33,9	55 800
12,0	72,5	33,3	40 500
14,0	68,8	32,6	30 700

36,0 m			
m	o	m	kg
7,3	81,7	37,6	87 200
7,5	81,4	37,5	86 000
8,0	80,6	37,4	82 300
9,0	78,9	37,2	67 500
10,0	77,3	37,0	56 000
12,0	74,0	36,5	40 600
14,0	70,6	35,8	30 700
16,0	67,2	35,0	23 800



56 000 kg
+
20 450 kg



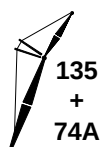
39,0 m			
m	o	m	kg
7,9	81,4	40,5	79 000
8,0	81,3	40,5	78 400
9,0	79,8	40,3	68 000
10,0	78,3	40,1	56 100
12,0	75,3	39,6	40 700
14,0	72,2	39,0	30 800
16,0	69,1	38,2	23 900
18,0	65,9	37,4	18 800

42,0 m			
m	o	m	kg
8,5	81,2	43,4	72 700
9,0	80,5	43,4	67 400
10,0	79,1	43,2	56 100
12,0	76,3	42,7	40 700
14,0	73,5	42,1	30 800
16,0	70,6	41,4	23 900
18,0	67,7	40,6	18 800

45,0 m			
m	o	m	kg
9,1	81,0	46,4	66 000
10,0	79,9	46,2	56 400
12,0	77,3	45,8	41 000
14,0	74,6	45,2	31 100
16,0	72,0	44,6	24 200
18,0	69,2	43,9	19 100
20,0	66,5	43,0	15 200

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135
+
74A



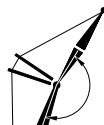
56 000 kg
+
20 450 kg



360°



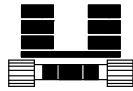
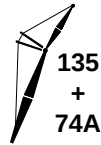
21,3 m



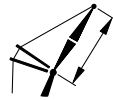
150°

m	°	m	kg
9,1	81,6	49,4	62 300
10,0	80,5	49,3	56 900
12,0	78,1	48,9	41 000
14,0	75,6	48,4	31 100
16,0	73,1	47,8	24 200
18,0	70,6	47,1	19 100
20,0	68,0	46,3	15 200
22,0	65,4	45,4	12 100

REFERENCE ONLY!



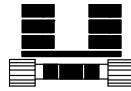
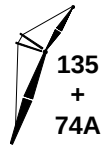
56 000 kg
+
20 450 kg



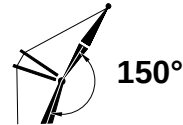
21,0 m			
m	o	m	kg
5,2	81,6	22,7	127 900
5,5	80,7	22,7	121 500
6,0	79,3	22,5	110 800
6,5	77,9	22,4	101 600
7,0	76,5	22,3	93 700
7,5	75,0	22,2	86 700
8,0	73,6	22,0	79 800
9,0	70,7	21,6	64 100
10,0	67,8	21,2	53 000

24,0 m			
m	o	m	kg
5,8	81,2	25,6	115 100
6,0	80,6	25,6	110 900
6,5	79,4	25,5	101 700
7,0	78,2	25,4	93 800
7,5	77,0	25,3	86 900
8,0	75,7	25,1	80 400
9,0	73,2	24,8	64 600
10,0	70,7	24,5	53 500
12,0	65,5	23,6	38 400

27,0 m			
m	o	m	kg
6,1	81,5	28,6	109 200
6,5	80,6	28,6	102 100
7,0	79,5	28,5	94 000
7,5	78,4	28,4	87 100
8,0	77,4	28,2	80 800
9,0	75,2	28,0	65 100
10,0	72,9	27,7	53 900
12,0	68,4	26,9	38 800



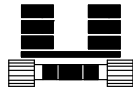
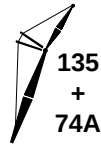
56 000 kg
+
20 450 kg



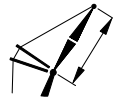
30,0 m			
m	o	m	kg
6,7	81,2	31,6	98 500
7,0	80,6	31,5	94 200
7,5	79,6	31,4	87 100
8,0	78,6	31,3	80 800
9,0	76,7	31,1	65 400
10,0	74,7	30,8	54 100
12,0	70,7	30,1	39 000

33,0 m			
m	o	m	kg
7,3	80,9	34,5	89 700
7,5	80,6	34,5	87 300
8,0	79,7	34,4	80 900
9,0	77,9	34,2	65 700
10,0	76,1	33,9	54 400
12,0	72,5	33,3	39 300
14,0	68,8	32,6	29 500

36,0 m			
m	o	m	kg
7,3	81,7	37,6	86 100
7,5	81,4	37,5	84 900
8,0	80,6	37,4	81 000
9,0	78,9	37,2	65 900
10,0	77,3	37,0	54 600
12,0	74,0	36,5	39 400
14,0	70,6	35,8	29 600
16,0	67,2	35,0	22 800



56 000 kg
+
20 450 kg



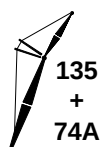
39,0 m			
m	o	m	kg
7,9	81,4	40,5	77 800
8,0	81,3	40,5	77 200
9,0	79,8	40,3	66 400
10,0	78,3	40,1	54 700
12,0	75,3	39,6	39 500
14,0	72,2	39,0	29 700
16,0	69,1	38,2	22 900
18,0	65,9	37,4	17 900

42,0 m			
m	o	m	kg
8,5	81,2	43,4	71 600
9,0	80,5	43,4	66 000
10,0	79,1	43,2	54 800
12,0	76,3	42,7	39 500
14,0	73,5	42,1	29 700
16,0	70,6	41,4	22 900
18,0	67,7	40,6	17 900

45,0 m			
m	o	m	kg
9,1	81,0	46,4	64 600
10,0	79,9	46,2	55 100
12,0	77,3	45,8	39 800
14,0	74,6	45,2	30 000
16,0	72,0	44,6	23 200
18,0	69,2	43,9	18 200
20,0	66,5	43,0	14 400

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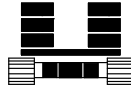
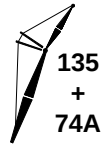


56 000 kg
+
20 450 kg

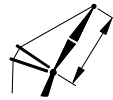


m	°	m	kg
9,1	81,6	49,4	61 300
10,0	80,5	49,3	55 500
12,0	78,1	48,9	39 900
14,0	75,6	48,4	30 000
16,0	73,1	47,8	23 200
18,0	70,6	47,1	18 200
20,0	68,0	46,3	14 300
22,0	65,4	45,4	11 200

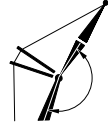
REFERENCE ONLY!



56 000 kg
+
20 450 kg



27,4 m

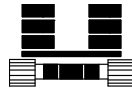
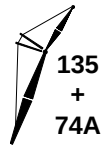


160°

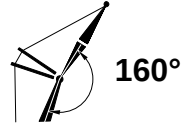
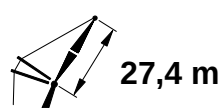
21,0 m			
m	o	m	kg
5,2	81,6	22,7	129 100
5,5	80,7	22,7	122 300
6,0	79,3	22,5	111 500
6,5	77,9	22,4	102 200
7,0	76,5	22,3	94 200
7,5	75,0	22,2	87 100
8,0	73,6	22,0	80 400
9,0	70,7	21,6	64 400
10,0	67,8	21,2	53 100
12,0	61,6	20,2	37 800

24,0 m			
m	o	m	kg
5,8	81,2	25,6	116 000
6,0	80,6	25,6	111 700
6,5	79,4	25,5	102 400
7,0	78,2	25,4	94 400
7,5	77,0	25,3	87 400
8,0	75,7	25,1	81 000
9,0	73,2	24,8	65 100
10,0	70,7	24,5	53 700
12,0	65,5	23,6	38 400

27,0 m			
m	o	m	kg
6,1	81,5	28,6	110 000
6,5	80,6	28,6	102 800
7,0	79,5	28,5	94 600
7,5	78,4	28,4	87 600
8,0	77,4	28,2	81 200
9,0	75,2	28,0	65 600
10,0	72,9	27,7	54 200
12,0	68,4	26,9	38 900
14,0	63,7	25,9	29 000



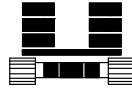
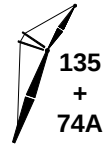
56 000 kg
+
20 450 kg



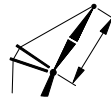
30,0 m			
m	o	m	kg
6,7	81,2	31,6	99 200
7,0	80,6	31,5	94 800
7,5	79,6	31,4	87 700
8,0	78,6	31,3	81 300
9,0	76,7	31,1	66 100
10,0	74,7	30,8	54 600
12,0	70,7	30,1	39 200
14,0	66,5	29,3	29 300
16,0	62,2	28,3	22 400
18,0	57,8	27,0	17 300

33,0 m			
m	o	m	kg
7,3	80,9	34,5	90 300
7,5	80,6	34,5	88 000
8,0	79,7	34,4	81 500
9,0	77,9	34,2	66 400
10,0	76,1	33,9	54 900
12,0	72,5	33,3	39 500
14,0	68,8	32,6	29 600
16,0	65,0	31,7	22 700
18,0	61,0	30,6	17 600

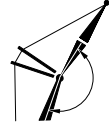
36,0 m			
m	o	m	kg
7,3	81,7	37,6	86 800
7,5	81,4	37,5	85 500
8,0	80,6	37,4	81 600
9,0	78,9	37,2	66 700
10,0	77,3	37,0	55 100
12,0	74,0	36,5	39 700
14,0	70,6	35,8	29 700
16,0	67,2	35,0	22 800
18,0	63,7	34,0	17 700
20,0	60,0	32,9	13 800



56 000 kg
+
20 450 kg



27,4 m



160°

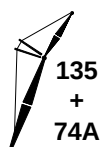
39,0 m			
m	o	m	kg
7,9	81,4	40,5	78 400
8,0	81,3	40,5	77 800
9,0	79,8	40,3	67 200
10,0	78,3	40,1	55 200
12,0	75,3	39,6	39 800
14,0	72,2	39,0	29 900
16,0	69,1	38,2	22 900
18,0	65,9	37,4	17 800
20,0	62,6	36,4	13 900
22,0	59,2	35,2	10 800

42,0 m			
m	o	m	kg
8,5	81,2	43,4	72 200
9,0	80,5	43,4	66 700
10,0	79,1	43,2	55 400
12,0	76,3	42,7	39 900
14,0	73,5	42,1	29 900
16,0	70,6	41,4	23 000
18,0	67,7	40,6	17 900
20,0	64,7	39,7	14 000
22,0	61,6	38,7	10 800
24,0	58,4	37,5	8 100

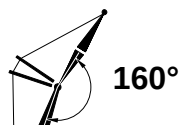
45,0 m			
m	o	m	kg
9,1	81,0	46,4	65 300
10,0	79,9	46,2	55 700
12,0	77,3	45,8	40 200
14,0	74,6	45,2	30 300
16,0	72,0	44,6	23 300
18,0	69,2	43,9	18 200
20,0	66,5	43,0	14 300
22,0	63,7	42,1	11 200
24,0	60,8	41,0	8 500

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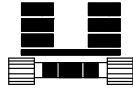
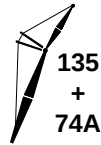


56 000 kg
+
20 450 kg

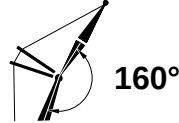
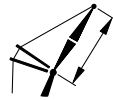


48,0 m			
m	°	m	kg
9,1	81,6	49,4	61 700
10,0	80,5	49,3	56 200
12,0	78,1	48,9	40 300
14,0	75,6	48,4	30 300
16,0	73,1	47,8	23 300
18,0	70,6	47,1	18 200
20,0	68,0	46,3	14 300
22,0	65,4	45,4	11 100
24,0	62,8	44,4	8 400
26,0	60,0	43,3	5 900

REFERENCE ONLY!



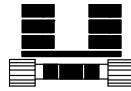
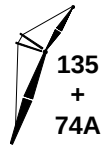
56 000 kg
+
20 450 kg



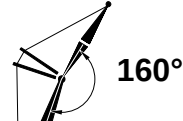
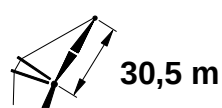
21,0 m			
m	o	m	kg
5,2	81,6	22,7	127 500
5,5	80,7	22,7	120 900
6,0	79,3	22,5	110 100
6,5	77,9	22,4	100 800
7,0	76,5	22,3	92 800
7,5	75,0	22,2	85 700
8,0	73,6	22,0	78 600
9,0	70,7	21,6	62 800
10,0	67,8	21,2	51 500
12,0	61,6	20,2	36 400

24,0 m			
m	o	m	kg
5,8	81,2	25,6	114 600
6,0	80,6	25,6	110 300
6,5	79,4	25,5	101 100
7,0	78,2	25,4	93 100
7,5	77,0	25,3	86 000
8,0	75,7	25,1	79 400
9,0	73,2	24,8	63 500
10,0	70,7	24,5	52 200
12,0	65,5	23,6	37 100

27,0 m			
m	o	m	kg
6,1	81,5	28,6	108 600
6,5	80,6	28,6	101 500
7,0	79,5	28,5	93 300
7,5	78,4	28,4	86 400
8,0	77,4	28,2	80 000
9,0	75,2	28,0	64 100
10,0	72,9	27,7	52 800
12,0	68,4	26,9	37 600
14,0	63,7	25,9	27 800



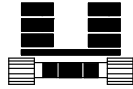
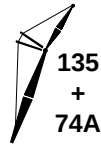
56 000 kg
+
20 450 kg



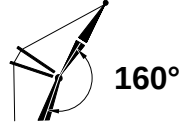
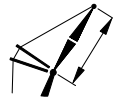
30,0 m			
m	o	m	kg
6,7	81,2	31,6	98 000
7,0	80,6	31,5	93 600
7,5	79,6	31,4	86 400
8,0	78,6	31,3	80 100
9,0	76,7	31,1	64 500
10,0	74,7	30,8	53 200
12,0	70,7	30,1	38 000
14,0	66,5	29,3	28 200
16,0	62,2	28,3	21 300
18,0	57,8	27,0	16 300

33,0 m			
m	o	m	kg
7,3	80,9	34,5	89 100
7,5	80,6	34,5	86 800
8,0	79,7	34,4	80 300
9,0	77,9	34,2	64 900
10,0	76,1	33,9	53 600
12,0	72,5	33,3	38 300
14,0	68,8	32,6	28 500
16,0	65,0	31,7	21 700
18,0	61,0	30,6	16 600

36,0 m			
m	o	m	kg
7,3	81,7	37,6	85 800
7,5	81,4	37,5	84 400
8,0	80,6	37,4	80 500
9,0	78,9	37,2	65 200
10,0	77,3	37,0	53 800
12,0	74,0	36,5	38 500
14,0	70,6	35,8	28 700
16,0	67,2	35,0	21 800
18,0	63,7	34,0	16 800
20,0	60,0	32,9	12 900



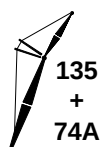
56 000 kg
+
20 450 kg



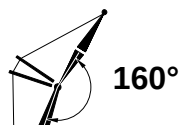
39,0 m			
m	o	m	kg
7,9	81,4	40,5	77 400
8,0	81,3	40,5	76 800
9,0	79,8	40,3	65 800
10,0	78,3	40,1	54 000
12,0	75,3	39,6	38 700
14,0	72,2	39,0	28 800
16,0	69,1	38,2	22 000
18,0	65,9	37,4	16 900
20,0	62,6	36,4	13 100
22,0	59,2	35,2	9 900

42,0 m			
m	o	m	kg
8,5	81,2	43,4	71 200
9,0	80,5	43,4	65 500
10,0	79,1	43,2	54 100
12,0	76,3	42,7	38 800
14,0	73,5	42,1	28 900
16,0	70,6	41,4	22 000
18,0	67,7	40,6	17 000
20,0	64,7	39,7	13 100
22,0	61,6	38,7	9 900
24,0	58,4	37,5	7 000

45,0 m			
m	o	m	kg
9,1	81,0	46,4	64 000
10,0	79,9	46,2	54 500
12,0	77,3	45,8	39 100
14,0	74,6	45,2	29 300
16,0	72,0	44,6	22 400
18,0	69,2	43,9	17 300
20,0	66,5	43,0	13 500
22,0	63,7	42,1	10 300
24,0	60,8	41,0	7 400

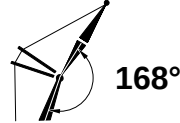
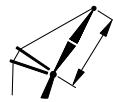
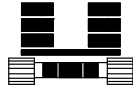
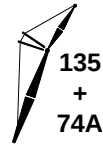


56 000 kg
+
20 450 kg



 m	 °	 m	 kg
9,1	81,6	49,4	60 900
10,0	80,5	49,3	55 000
12,0	78,1	48,9	39 200
14,0	75,6	48,4	29 300
16,0	73,1	47,8	22 400
18,0	70,6	47,1	17 300
20,0	68,0	46,3	13 500
22,0	65,4	45,4	10 200
24,0	62,8	44,4	7 300
26,0	60,0	43,3	5 000

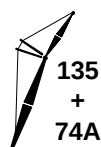
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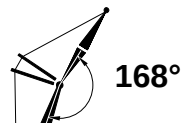
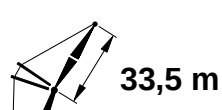
21,0 m			
m	o	m	kg
5,2	81,6	22,7	129 100
5,5	80,7	22,7	122 400
6,0	79,3	22,5	111 400
6,5	77,9	22,4	102 000
7,0	76,5	22,3	93 900
7,5	75,0	22,2	86 700
8,0	73,6	22,0	79 900
9,0	70,7	21,6	63 700
10,0	67,8	21,2	52 300
12,0	61,6	20,2	36 800

24,0 m			
m	o	m	kg
5,8	81,2	25,6	116 100
6,0	80,6	25,6	111 800
6,5	79,4	25,5	102 300
7,0	78,2	25,4	94 200
7,5	77,0	25,3	87 100
8,0	75,7	25,1	80 600
9,0	73,2	24,8	64 600
10,0	70,7	24,5	53 100
12,0	65,5	23,6	37 600
14,0	60,0	22,5	27 600
16,0	54,2	21,1	20 600

27,0 m			
m	o	m	kg
6,1	81,5	28,6	110 100
6,5	80,6	28,6	102 900
7,0	79,5	28,5	94 500
7,5	78,4	28,4	87 500
8,0	77,4	28,2	81 000
9,0	75,2	28,0	65 300
10,0	72,9	27,7	53 700
12,0	68,4	26,9	38 200
14,0	63,7	25,9	28 200
16,0	58,8	24,8	21 200
18,0	53,6	23,4	16 100



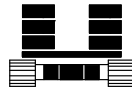
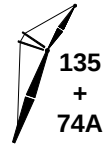
56 000 kg
+
20 450 kg



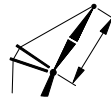
30,0 m			
m	°	m	kg
6,7	81,2	31,6	99 300
7,0	80,6	31,5	94 900
7,5	79,6	31,4	87 600
8,0	78,6	31,3	81 200
9,0	76,7	31,1	65 800
10,0	74,7	30,8	54 200
12,0	70,7	30,1	38 600
14,0	66,5	29,3	28 600
16,0	62,2	28,3	21 600
18,0	57,8	27,0	16 500

33,0 m			
m	°	m	kg
7,3	80,9	34,5	90 300
7,5	80,6	34,5	87 900
8,0	79,7	34,4	81 400
9,0	77,9	34,2	66 300
10,0	76,1	33,9	54 600
12,0	72,5	33,3	39 000
14,0	68,8	32,6	29 000
16,0	65,0	31,7	22 000
18,0	61,0	30,6	16 900
20,0	56,9	29,3	12 900

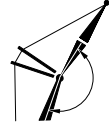
36,0 m			
m	°	m	kg
7,3	81,7	37,6	86 600
7,5	81,4	37,5	85 400
8,0	80,6	37,4	81 600
9,0	78,9	37,2	66 600
10,0	77,3	37,0	54 900
12,0	74,0	36,5	39 300
14,0	70,6	35,8	29 200
16,0	67,2	35,0	22 200
18,0	63,7	34,0	17 100
20,0	60,0	32,9	13 100
22,0	56,2	31,6	9 900
24,0	52,2	30,1	7 000



56 000 kg
+
20 450 kg



33,5 m



168°

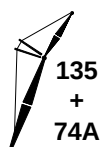
39,0 m			
m	°	m	kg
7,9	81,4	40,5	78 300
8,0	81,3	40,5	77 700
9,0	79,8	40,3	67 300
10,0	78,3	40,1	55 100
12,0	75,3	39,6	39 500
14,0	72,2	39,0	29 400
16,0	69,1	38,2	22 400
18,0	65,9	37,4	17 200
20,0	62,6	36,4	13 300
22,0	59,2	35,2	10 100
24,0	55,6	33,9	7 100

42,0 m			
m	°	m	kg
8,5	81,2	43,4	72 000
9,0	80,5	43,4	66 700
10,0	79,1	43,2	55 300
12,0	76,3	42,7	39 600
14,0	73,5	42,1	29 500
16,0	70,6	41,4	22 500
18,0	67,7	40,6	17 300
20,0	64,7	39,7	13 400
22,0	61,6	38,7	10 100
24,0	58,4	37,5	7 100
26,0	55,1	36,1	4 700

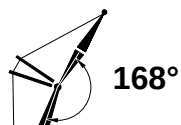
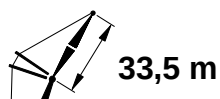
45,0 m			
m	°	m	kg
9,1	81,0	46,4	65 400
10,0	79,9	46,2	55 700
12,0	77,3	45,8	40 000
14,0	74,6	45,2	29 900
16,0	72,0	44,6	22 900
18,0	69,2	43,9	17 700
20,0	66,5	43,0	13 800
22,0	63,7	42,1	10 500
24,0	60,8	41,0	7 600
26,0	57,8	39,7	5 200
28,0	54,7	38,3	3 100

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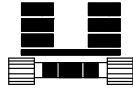
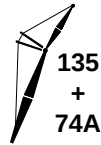


56 000 kg
+
20 450 kg

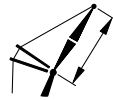


48,0 m			
m	o	m	kg
9,1	81,6	49,4	61 500
10,0	80,5	49,3	56 300
12,0	78,1	48,9	40 100
14,0	75,6	48,4	30 000
16,0	73,1	47,8	22 900
18,0	70,6	47,1	17 800
20,0	68,0	46,3	13 800
22,0	65,4	45,4	10 500
24,0	62,8	44,4	7 500
26,0	60,0	43,3	5 100
28,0	57,2	42,0	3 000

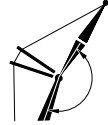
REFERENCE ONLY!



56 000 kg
+
20 450 kg



36,6 m

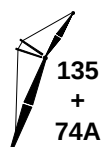


168°

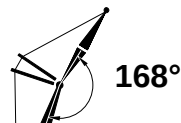
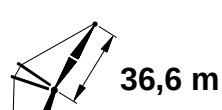
21,0 m			
m	o	m	kg
5,2	81,6	22,7	127 700
5,5	80,7	22,7	121 200
6,0	79,3	22,5	110 200
6,5	77,9	22,4	100 800
7,0	76,5	22,3	92 700
7,5	75,0	22,2	85 500
8,0	73,6	22,0	78 300
9,0	70,7	21,6	62 200
10,0	67,8	21,2	50 900
12,0	61,6	20,2	35 500

24,0 m			
m	o	m	kg
5,8	81,2	25,6	114 900
6,0	80,6	25,6	110 600
6,5	79,4	25,5	101 200
7,0	78,2	25,4	93 100
7,5	77,0	25,3	86 000
8,0	75,7	25,1	79 300
9,0	73,2	24,8	63 200
10,0	70,7	24,5	51 800
12,0	65,5	23,6	36 400
14,0	60,0	22,5	26 400
16,0	54,2	21,1	19 500

27,0 m			
m	o	m	kg
6,1	81,5	28,6	109 000
6,5	80,6	28,6	101 800
7,0	79,5	28,5	93 400
7,5	78,4	28,4	86 400
8,0	77,4	28,2	79 900
9,0	75,2	28,0	63 900
10,0	72,9	27,7	52 500
12,0	68,4	26,9	37 000
14,0	63,7	25,9	27 100
16,0	58,8	24,8	20 200
18,0	53,6	23,4	15 100



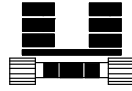
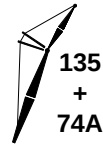
56 000 kg
+
20 450 kg



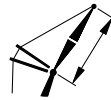
30,0 m			
m	°	m	kg
6,7	81,2	31,6	98 200
7,0	80,6	31,5	93 800
7,5	79,6	31,4	86 500
8,0	78,6	31,3	80 100
9,0	76,7	31,1	64 500
10,0	74,7	30,8	53 000
12,0	70,7	30,1	37 500
14,0	66,5	29,3	27 600
16,0	62,2	28,3	20 600
18,0	57,8	27,0	15 500

33,0 m			
m	°	m	kg
7,3	80,9	34,5	89 300
7,5	80,6	34,5	86 900
8,0	79,7	34,4	80 400
9,0	77,9	34,2	65 000
10,0	76,1	33,9	53 500
12,0	72,5	33,3	38 000
14,0	68,8	32,6	28 000
16,0	65,0	31,7	21 000
18,0	61,0	30,6	15 900
20,0	56,9	29,3	12 000

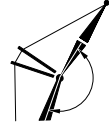
36,0 m			
m	°	m	kg
7,3	81,7	37,6	85 800
7,5	81,4	37,5	84 500
8,0	80,6	37,4	80 600
9,0	78,9	37,2	65 400
10,0	77,3	37,0	53 800
12,0	74,0	36,5	38 200
14,0	70,6	35,8	28 200
16,0	67,2	35,0	21 300
18,0	63,7	34,0	16 200
20,0	60,0	32,9	12 200
22,0	56,2	31,6	8 900
24,0	52,2	30,1	5 900



56 000 kg
+
20 450 kg



36,6 m



168°

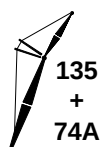
39,0 m			
m	o	m	kg
7,9	81,4	40,5	77 400
8,0	81,3	40,5	76 700
9,0	79,8	40,3	66 100
10,0	78,3	40,1	54 000
12,0	75,3	39,6	38 500
14,0	72,2	39,0	28 500
16,0	69,1	38,2	21 500
18,0	65,9	37,4	16 400
20,0	62,6	36,4	12 400
22,0	59,2	35,2	9 000
24,0	55,6	33,9	6 100

42,0 m			
m	o	m	kg
8,5	81,2	43,4	71 100
9,0	80,5	43,4	65 600
10,0	79,1	43,2	54 200
12,0	76,3	42,7	38 700
14,0	73,5	42,1	28 600
16,0	70,6	41,4	21 600
18,0	67,7	40,6	16 500
20,0	64,7	39,7	12 500
22,0	61,6	38,7	9 000
24,0	58,4	37,5	6 100
26,0	55,1	36,1	3 700

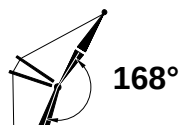
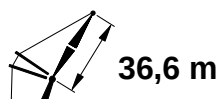
45,0 m			
m	o	m	kg
9,1	81,0	46,4	64 400
10,0	79,9	46,2	54 700
12,0	77,3	45,8	39 100
14,0	74,6	45,2	29 000
16,0	72,0	44,6	22 000
18,0	69,2	43,9	16 900
20,0	66,5	43,0	12 900
22,0	63,7	42,1	9 500
24,0	60,8	41,0	6 600
26,0	57,8	39,7	4 200

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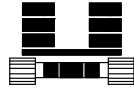
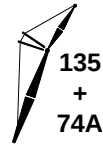


56 000 kg
+
20 450 kg

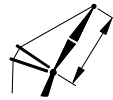


48,0 m			
m	o	m	kg
9,1	81,6	49,4	60 700
10,0	80,5	49,3	55 300
12,0	78,1	48,9	39 200
14,0	75,6	48,4	29 100
16,0	73,1	47,8	22 100
18,0	70,6	47,1	17 000
20,0	68,0	46,3	13 000
22,0	65,4	45,4	9 400
24,0	62,8	44,4	6 500
26,0	60,0	43,3	4 100

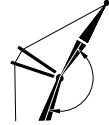
REFERENCE ONLY!



56 000 kg
+
20 450 kg



39,6 m

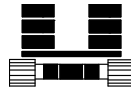
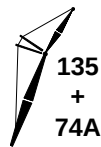


168°

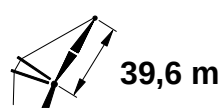
21,0 m			
m	o	m	kg
5,2	81,6	22,7	126 600
5,5	80,7	22,7	120 100
6,0	79,3	22,5	109 100
6,5	77,9	22,4	99 800
7,0	76,5	22,3	91 700
7,5	75,0	22,2	84 300
8,0	73,6	22,0	76 800
9,0	70,7	21,6	60 900
10,0	67,8	21,2	49 600
12,0	61,6	20,2	34 300

24,0 m			
m	o	m	kg
5,8	81,2	25,6	113 900
6,0	80,6	25,6	109 600
6,5	79,4	25,5	100 200
7,0	78,2	25,4	92 100
7,5	77,0	25,3	84 900
8,0	75,7	25,1	77 900
9,0	73,2	24,8	61 900
10,0	70,7	24,5	50 500
12,0	65,5	23,6	35 200
14,0	60,0	22,5	25 400
16,0	54,2	21,1	18 500

27,0 m			
m	o	m	kg
6,1	81,5	28,6	108 000
6,5	80,6	28,6	100 800
7,0	79,5	28,5	92 500
7,5	78,4	28,4	85 400
8,0	77,4	28,2	78 800
9,0	75,2	28,0	62 700
10,0	72,9	27,7	51 300
12,0	68,4	26,9	36 000
14,0	63,7	25,9	26 100
16,0	58,8	24,8	19 200
18,0	53,6	23,4	14 200



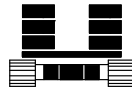
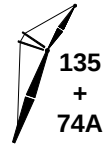
56 000 kg
+
20 450 kg



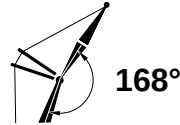
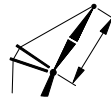
30,0 m			
m	°	m	kg
6,7	81,2	31,6	97 300
7,0	80,6	31,5	92 900
7,5	79,6	31,4	85 600
8,0	78,6	31,3	79 200
9,0	76,7	31,1	63 300
10,0	74,7	30,8	51 900
12,0	70,7	30,1	36 500
14,0	66,5	29,3	26 600
16,0	62,2	28,3	19 700
18,0	57,8	27,0	14 700

33,0 m			
m	°	m	kg
7,3	80,9	34,5	88 400
7,5	80,6	34,5	86 000
8,0	79,7	34,4	79 500
9,0	77,9	34,2	63 900
10,0	76,1	33,9	52 400
12,0	72,5	33,3	37 000
14,0	68,8	32,6	27 100
16,0	65,0	31,7	20 200
18,0	61,0	30,6	15 100
20,0	56,9	29,3	11 200

36,0 m			
m	°	m	kg
7,3	81,7	37,6	85 100
7,5	81,4	37,5	83 800
8,0	80,6	37,4	79 700
9,0	78,9	37,2	64 300
10,0	77,3	37,0	52 800
12,0	74,0	36,5	37 300
14,0	70,6	35,8	27 400
16,0	67,2	35,0	20 500
18,0	63,7	34,0	15 400
20,0	60,0	32,9	11 500
22,0	56,2	31,6	7 900
24,0	52,2	30,1	5 000



56 000 kg
+
20 450 kg



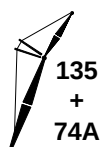
39,0 m			
m	o	m	kg
7,9	81,4	40,5	76 700
8,0	81,3	40,5	76 000
9,0	79,8	40,3	65 000
10,0	78,3	40,1	53 100
12,0	75,3	39,6	37 600
14,0	72,2	39,0	27 700
16,0	69,1	38,2	20 700
18,0	65,9	37,4	15 600
20,0	62,6	36,4	11 600
22,0	59,2	35,2	8 100
24,0	55,6	33,9	5 200

42,0 m			
m	o	m	kg
8,5	81,2	43,4	70 400
9,0	80,5	43,4	64 700
10,0	79,1	43,2	53 300
12,0	76,3	42,7	37 800
14,0	73,5	42,1	27 800
16,0	70,6	41,4	20 900
18,0	67,7	40,6	15 800
20,0	64,7	39,7	11 700
22,0	61,6	38,7	8 200
24,0	58,4	37,5	5 300

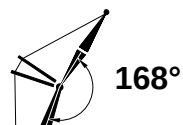
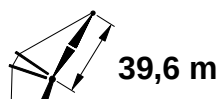
45,0 m			
m	o	m	kg
9,1	81,0	46,4	63 400
10,0	79,9	46,2	53 700
12,0	77,3	45,8	38 200
14,0	74,6	45,2	28 300
16,0	72,0	44,6	21 300
18,0	69,2	43,9	16 200
20,0	66,5	43,0	12 200
22,0	63,7	42,1	8 600
24,0	60,8	41,0	5 800
26,0	57,8	39,7	3 400

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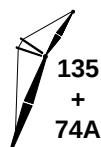


56 000 kg
+
20 450 kg

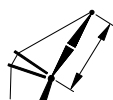


 48,0 m			
m	°	m	kg
9,1	81,6	49,4	60 100
10,0	80,5	49,3	54 300
12,0	78,1	48,9	38 400
14,0	75,6	48,4	28 400
16,0	73,1	47,8	21 400
18,0	70,6	47,1	16 300
20,0	68,0	46,3	12 100
22,0	65,4	45,4	8 600
24,0	62,8	44,4	5 700
26,0	60,0	43,3	3 400

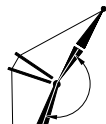
REFERENCE ONLY!



56 000 kg
+
20 450 kg



42,7 m

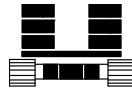
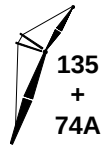


168°

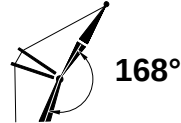
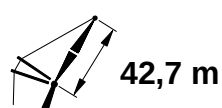
21,0 m			
m	o	m	kg
5,2	81,6	22,7	125 100
5,5	80,7	22,7	118 800
6,0	79,3	22,5	107 800
6,5	77,9	22,4	98 500
7,0	76,5	22,3	90 400
7,5	75,0	22,2	83 000
8,0	73,6	22,0	75 000
9,0	70,7	21,6	59 200
10,0	67,8	21,2	48 000
12,0	61,6	20,2	32 900

24,0 m			
m	o	m	kg
5,8	81,2	25,6	112 600
6,0	80,6	25,6	108 300
6,5	79,4	25,5	98 900
7,0	78,2	25,4	90 900
7,5	77,0	25,3	83 600
8,0	75,7	25,1	76 200
9,0	73,2	24,8	60 400
10,0	70,7	24,5	49 100
12,0	65,5	23,6	33 900
14,0	60,0	22,5	24 100
16,0	54,2	21,1	17 300

27,0 m			
m	o	m	kg
6,1	81,5	28,6	106 800
6,5	80,6	28,6	99 600
7,0	79,5	28,5	91 300
7,5	78,4	28,4	84 200
8,0	77,4	28,2	77 200
9,0	75,2	28,0	61 200
10,0	72,9	27,7	50 000
12,0	68,4	26,9	34 700
14,0	63,7	25,9	24 900
16,0	58,8	24,8	18 100
18,0	53,6	23,4	13 100



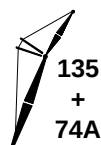
56 000 kg
+
20 450 kg



30,0 m			
m	°	m	kg
6,7	81,2	31,6	96 200
7,0	80,6	31,5	91 700
7,5	79,6	31,4	84 500
8,0	78,6	31,3	77 900
9,0	76,7	31,1	61 900
10,0	74,7	30,8	50 600
12,0	70,7	30,1	35 300
14,0	66,5	29,3	25 500
16,0	62,2	28,3	18 700
18,0	57,8	27,0	13 600

33,0 m			
m	°	m	kg
7,3	80,9	34,5	87 300
7,5	80,6	34,5	85 000
8,0	79,7	34,4	78 400
9,0	77,9	34,2	62 500
10,0	76,1	33,9	51 200
12,0	72,5	33,3	35 900
14,0	68,8	32,6	26 000
16,0	65,0	31,7	19 200
18,0	61,0	30,6	14 100
20,0	56,9	29,3	10 000

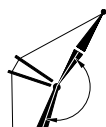
36,0 m			
m	°	m	kg
7,3	81,7	37,6	84 200
7,5	81,4	37,5	82 800
8,0	80,6	37,4	78 700
9,0	78,9	37,2	63 000
10,0	77,3	37,0	51 600
12,0	74,0	36,5	36 200
14,0	70,6	35,8	26 400
16,0	67,2	35,0	19 500
18,0	63,7	34,0	14 400
20,0	60,0	32,9	10 200
22,0	56,2	31,6	6 700
24,0	52,2	30,1	3 800



56 000 kg
+
20 450 kg



42,7 m



168°

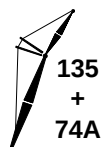
39,0 m			
m	o	m	kg
7,9	81,4	40,5	75 700
8,0	81,3	40,5	75 000
9,0	79,8	40,3	63 700
10,0	78,3	40,1	51 900
12,0	75,3	39,6	36 500
14,0	72,2	39,0	26 600
16,0	69,1	38,2	19 800
18,0	65,9	37,4	14 700
20,0	62,6	36,4	10 500
22,0	59,2	35,2	6 900
24,0	55,6	33,9	4 100

42,0 m			
m	o	m	kg
8,5	81,2	43,4	69 500
9,0	80,5	43,4	63 600
10,0	79,1	43,2	52 200
12,0	76,3	42,7	36 800
14,0	73,5	42,1	26 800
16,0	70,6	41,4	19 900
18,0	67,7	40,6	14 800
20,0	64,7	39,7	10 500
22,0	61,6	38,7	7 000
24,0	58,4	37,5	4 200

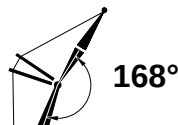
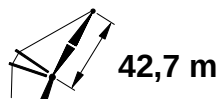
45,0 m			
m	o	m	kg
9,1	81,0	46,4	62 200
10,0	79,9	46,2	52 600
12,0	77,3	45,8	37 200
14,0	74,6	45,2	27 300
16,0	72,0	44,6	20 400
18,0	69,2	43,9	15 300
20,0	66,5	43,0	11 000
22,0	63,7	42,1	7 600
24,0	60,8	41,0	4 700

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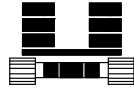
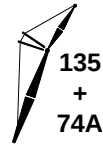


56 000 kg
+
20 450 kg

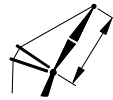


9,1	81,6	49,4	59 300
10,0	80,5	49,3	53 200
12,0	78,1	48,9	37 400
14,0	75,6	48,4	27 400
16,0	73,1	47,8	20 500
18,0	70,6	47,1	15 300
20,0	68,0	46,3	11 000
22,0	65,4	45,4	7 500
24,0	62,8	44,4	4 700

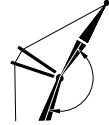
REFERENCE ONLY!



56 000 kg
+
20 450 kg



45,7 m

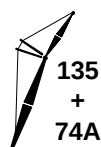


168°

21,0 m			
m	o	m	kg
5,2	81,6	22,7	123 900
5,5	80,7	22,7	117 800
6,0	79,3	22,5	106 900
6,5	77,9	22,4	97 500
7,0	76,5	22,3	89 500
7,5	75,0	22,2	82 000
8,0	73,6	22,0	73 700
9,0	70,7	21,6	58 000
10,0	67,8	21,2	46 900
12,0	61,6	20,2	31 900

24,0 m			
m	o	m	kg
5,8	81,2	25,6	111 700
6,0	80,6	25,6	107 400
6,5	79,4	25,5	98 100
7,0	78,2	25,4	90 000
7,5	77,0	25,3	82 700
8,0	75,7	25,1	75 000
9,0	73,2	24,8	59 200
10,0	70,7	24,5	48 000
12,0	65,5	23,6	33 000
14,0	60,0	22,5	23 300
16,0	54,2	21,1	16 500

27,0 m			
m	o	m	kg
6,1	81,5	28,6	105 900
6,5	80,6	28,6	98 800
7,0	79,5	28,5	90 500
7,5	78,4	28,4	83 300
8,0	77,4	28,2	76 000
9,0	75,2	28,0	60 200
10,0	72,9	27,7	49 000
12,0	68,4	26,9	33 900
14,0	63,7	25,9	24 100
16,0	58,8	24,8	17 300
18,0	53,6	23,4	12 300



135
+
74A



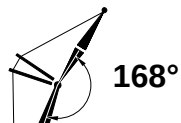
56 000 kg
+
20 450 kg



360°



45,7 m

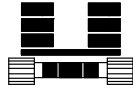
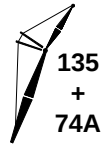


168°

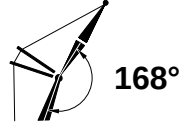
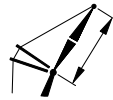
30,0 m			
m	o	m	kg
6,7	81,2	31,6	95 400
7,0	80,6	31,5	91 000
7,5	79,6	31,4	83 700
8,0	78,6	31,3	76 800
9,0	76,7	31,1	60 900
10,0	74,7	30,8	49 700
12,0	70,7	30,1	34 500
14,0	66,5	29,3	24 700
16,0	62,2	28,3	17 900
18,0	57,8	27,0	12 900

33,0 m			
m	o	m	kg
7,3	80,9	34,5	86 600
7,5	80,6	34,5	84 200
8,0	79,7	34,4	77 400
9,0	77,9	34,2	61 500
10,0	76,1	33,9	50 300
12,0	72,5	33,3	35 100
14,0	68,8	32,6	25 300
16,0	65,0	31,7	18 500
18,0	61,0	30,6	13 500
20,0	56,9	29,3	9 200

36,0 m			
m	o	m	kg
7,3	81,7	37,6	83 500
7,5	81,4	37,5	82 100
8,0	80,6	37,4	78 000
9,0	78,9	37,2	62 000
10,0	77,3	37,0	50 700
12,0	74,0	36,5	35 500
14,0	70,6	35,8	25 700
16,0	67,2	35,0	18 800
18,0	63,7	34,0	13 800
20,0	60,0	32,9	9 500
22,0	56,2	31,6	6 000
24,0	52,2	30,1	3 100



56 000 kg
+
20 450 kg



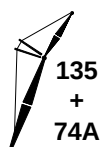
39,0 m			
m	o	m	kg
7,9	81,4	40,5	75 000
8,0	81,3	40,5	74 200
9,0	79,8	40,3	62 800
10,0	78,3	40,1	51 100
12,0	75,3	39,6	35 800
14,0	72,2	39,0	26 000
16,0	69,1	38,2	19 100
18,0	65,9	37,4	14 000
20,0	62,6	36,4	9 700
22,0	59,2	35,2	6 200
24,0	55,6	33,9	3 400

42,0 m			
m	o	m	kg
8,5	81,2	43,4	68 700
9,0	80,5	43,4	62 700
10,0	79,1	43,2	51 300
12,0	76,3	42,7	36 100
14,0	73,5	42,1	26 200
16,0	70,6	41,4	19 400
18,0	67,7	40,6	14 100
20,0	64,7	39,7	9 800
22,0	61,6	38,7	6 400
24,0	58,4	37,5	3 500

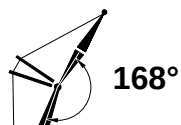
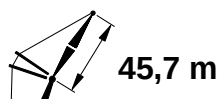
45,0 m			
m	o	m	kg
9,1	81,0	46,4	61 400
10,0	79,9	46,2	51 800
12,0	77,3	45,8	36 500
14,0	74,6	45,2	26 700
16,0	72,0	44,6	19 800
18,0	69,2	43,9	14 600
20,0	66,5	43,0	10 400
22,0	63,7	42,1	6 900
24,0	60,8	41,0	4 100

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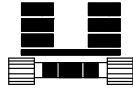
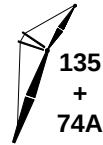


56 000 kg
+
20 450 kg

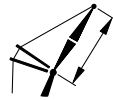


m	o	m	kg
9,1	81,6	49,4	58 600
10,0	80,5	49,3	52 400
12,0	78,1	48,9	36 700
14,0	75,6	48,4	26 800
16,0	73,1	47,8	20 000
18,0	70,6	47,1	14 700
20,0	68,0	46,3	10 400
22,0	65,4	45,4	6 900
24,0	62,8	44,4	4 100

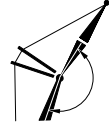
REFERENCE ONLY!



56 000 kg
+
20 450 kg



48,8 m

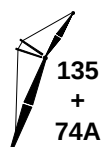


168°

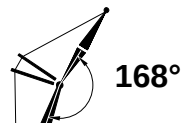
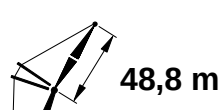
21,0 m			
m	o	m	kg
5,2	81,6	22,7	122 200
5,5	80,7	22,7	116 400
6,0	79,3	22,5	105 500
6,5	77,9	22,4	96 200
7,0	76,5	22,3	88 100
7,5	75,0	22,2	80 500
8,0	73,6	22,0	71 800
9,0	70,7	21,6	56 300
10,0	67,8	21,2	45 300
12,0	61,6	20,2	30 400

24,0 m			
m	o	m	kg
5,8	81,2	25,6	110 400
6,0	80,6	25,6	106 100
6,5	79,4	25,5	96 800
7,0	78,2	25,4	88 700
7,5	77,0	25,3	81 300
8,0	75,7	25,1	73 200
9,0	73,2	24,8	57 600
10,0	70,7	24,5	46 500
12,0	65,5	23,6	31 600
14,0	60,0	22,5	21 900
16,0	54,2	21,1	15 200

27,0 m			
m	o	m	kg
6,1	81,5	28,6	104 700
6,5	80,6	28,6	97 500
7,0	79,5	28,5	89 300
7,5	78,4	28,4	82 000
8,0	77,4	28,2	74 300
9,0	75,2	28,0	58 700
10,0	72,9	27,7	47 500
12,0	68,4	26,9	32 500
14,0	63,7	25,9	22 900
16,0	58,8	24,8	16 100
18,0	53,6	23,4	10 900



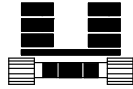
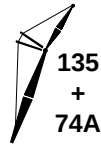
56 000 kg
+
20 450 kg



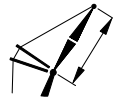
30,0 m			
m	o	m	kg
6,7	81,2	31,6	94 200
7,0	80,6	31,5	89 800
7,5	79,6	31,4	82 400
8,0	78,6	31,3	75 200
9,0	76,7	31,1	59 500
10,0	74,7	30,8	48 300
12,0	70,7	30,1	33 200
14,0	66,5	29,3	23 600
16,0	62,2	28,3	16 800
18,0	57,8	27,0	11 600

33,0 m			
m	o	m	kg
7,3	80,9	34,5	85 400
7,5	80,6	34,5	82 900
8,0	79,7	34,4	75 900
9,0	77,9	34,2	60 100
10,0	76,1	33,9	48 900
12,0	72,5	33,3	33 900
14,0	68,8	32,6	24 200
16,0	65,0	31,7	17 400
18,0	61,0	30,6	12 200
20,0	56,9	29,3	7 800

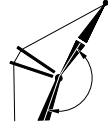
36,0 m			
m	o	m	kg
7,3	81,7	37,6	82 500
7,5	81,4	37,5	81 000
8,0	80,6	37,4	76 700
9,0	78,9	37,2	60 600
10,0	77,3	37,0	49 400
12,0	74,0	36,5	34 300
14,0	70,6	35,8	24 600
16,0	67,2	35,0	17 800
18,0	63,7	34,0	12 500
20,0	60,0	32,9	8 200
22,0	56,2	31,6	4 700



56 000 kg
+
20 450 kg



48,8 m



168°

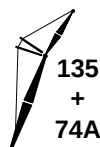
39,0 m			
m	o	m	kg
7,9	81,4	40,5	73 900
8,0	81,3	40,5	73 200
9,0	79,8	40,3	61 400
10,0	78,3	40,1	49 800
12,0	75,3	39,6	34 700
14,0	72,2	39,0	24 900
16,0	69,1	38,2	18 100
18,0	65,9	37,4	12 800
20,0	62,6	36,4	8 500
22,0	59,2	35,2	5 000

42,0 m			
m	o	m	kg
8,5	81,2	43,4	67 700
9,0	80,5	43,4	61 500
10,0	79,1	43,2	50 100
12,0	76,3	42,7	35 000
14,0	73,5	42,1	25 200
16,0	70,6	41,4	18 300
18,0	67,7	40,6	12 900
20,0	64,7	39,7	8 600
22,0	61,6	38,7	5 200
24,0	58,4	37,5	2 400

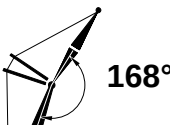
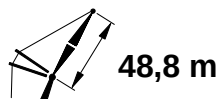
45,0 m			
m	o	m	kg
9,1	81,0	46,4	60 100
10,0	79,9	46,2	50 700
12,0	77,3	45,8	35 500
14,0	74,6	45,2	25 700
16,0	72,0	44,6	18 800
18,0	69,2	43,9	13 500
20,0	66,5	43,0	9 200
22,0	63,7	42,1	5 800
24,0	60,8	41,0	3 000

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ASME B30.5

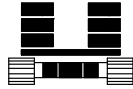
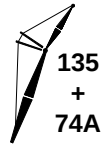


56 000 kg
+
20 450 kg

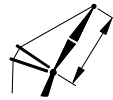


m	°	m	kg
9,1	81,6	49,4	57 800
10,0	80,5	49,3	51 200
12,0	78,1	48,9	35 700
14,0	75,6	48,4	25 900
16,0	73,1	47,8	18 900
18,0	70,6	47,1	13 500
20,0	68,0	46,3	9 200
22,0	65,4	45,4	5 800
24,0	62,8	44,4	3 000

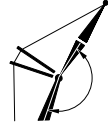
REFERENCE ONLY!



56 000 kg
+
20 450 kg



51,8 m

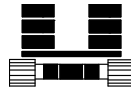
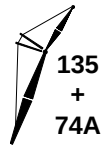


168°

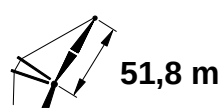
21,0 m			
m	o	m	kg
5,2	81,6	22,7	121 000
5,5	80,7	22,7	115 100
6,0	79,3	22,5	104 300
6,5	77,9	22,4	94 900
7,0	76,5	22,3	86 900
7,5	75,0	22,2	79 200
8,0	73,6	22,0	70 000
9,0	70,7	21,6	54 700
10,0	67,8	21,2	43 700
12,0	61,6	20,2	29 000

24,0 m			
m	o	m	kg
5,8	81,2	25,6	109 200
6,0	80,6	25,6	104 900
6,5	79,4	25,5	95 600
7,0	78,2	25,4	87 600
7,5	77,0	25,3	80 100
8,0	75,7	25,1	71 500
9,0	73,2	24,8	56 100
10,0	70,7	24,5	45 100
12,0	65,5	23,6	30 300
14,0	60,0	22,5	20 700
16,0	54,2	21,1	13 900

27,0 m			
m	o	m	kg
6,1	81,5	28,6	103 500
6,5	80,6	28,6	96 400
7,0	79,5	28,5	88 200
7,5	78,4	28,4	80 800
8,0	77,4	28,2	72 700
9,0	75,2	28,0	57 200
10,0	72,9	27,7	46 200
12,0	68,4	26,9	31 300
14,0	63,7	25,9	21 700
16,0	58,8	24,8	15 000
18,0	53,6	23,4	9 500



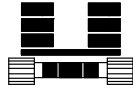
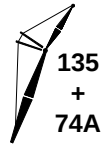
56 000 kg
+
20 450 kg



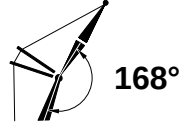
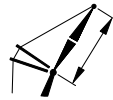
30,0 m			
m	o	m	kg
6,7	81,2	31,6	93 100
7,0	80,6	31,5	88 700
7,5	79,6	31,4	81 300
8,0	78,6	31,3	73 700
9,0	76,7	31,1	58 100
10,0	74,7	30,8	47 000
12,0	70,7	30,1	32 100
14,0	66,5	29,3	22 500
16,0	62,2	28,3	15 700
18,0	57,8	27,0	10 300

33,0 m			
m	o	m	kg
7,3	80,9	34,5	84 400
7,5	80,6	34,5	81 800
8,0	79,7	34,4	74 500
9,0	77,9	34,2	58 800
10,0	76,1	33,9	47 700
12,0	72,5	33,3	32 800
14,0	68,8	32,6	23 200
16,0	65,0	31,7	16 400
18,0	61,0	30,6	11 000
20,0	56,9	29,3	6 700

36,0 m			
m	o	m	kg
7,3	81,7	37,6	81 700
7,5	81,4	37,5	80 100
8,0	80,6	37,4	75 300
9,0	78,9	37,2	59 400
10,0	77,3	37,0	48 300
12,0	74,0	36,5	33 300
14,0	70,6	35,8	23 600
16,0	67,2	35,0	16 800
18,0	63,7	34,0	11 400
20,0	60,0	32,9	7 100
22,0	56,2	31,6	3 600



56 000 kg
+
20 450 kg



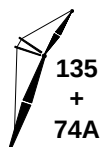
39,0 m			
m	o	m	kg
7,9	81,4	40,5	73 100
8,0	81,3	40,5	72 300
9,0	79,8	40,3	60 200
10,0	78,3	40,1	48 700
12,0	75,3	39,6	33 700
14,0	72,2	39,0	24 000
16,0	69,1	38,2	17 100
18,0	65,9	37,4	11 700
20,0	62,6	36,4	7 400
22,0	59,2	35,2	4 000

42,0 m			
m	o	m	kg
8,5	81,2	43,4	66 800
9,0	80,5	43,4	60 400
10,0	79,1	43,2	49 100
12,0	76,3	42,7	34 000
14,0	73,5	42,1	24 300
16,0	70,6	41,4	17 400
18,0	67,7	40,6	11 900
20,0	64,7	39,7	7 600
22,0	61,6	38,7	4 200

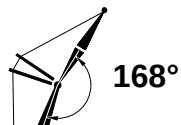
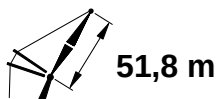
45,0 m			
m	o	m	kg
9,1	81,0	46,4	59 000
10,0	79,9	46,2	49 600
12,0	77,3	45,8	34 500
14,0	74,6	45,2	24 800
16,0	72,0	44,6	17 900
18,0	69,2	43,9	12 400
20,0	66,5	43,0	8 200
22,0	63,7	42,1	4 800

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56 000 kg
+
20 450 kg



 48,0 m			
m	°	m	kg
9,1	81,6	49,4	57 100
10,0	80,5	49,3	50 100
12,0	78,1	48,9	34 700
14,0	75,6	48,4	25 000
16,0	73,1	47,8	17 900
18,0	70,6	47,1	12 500
20,0	68,0	46,3	8 300
22,0	65,4	45,4	4 900

REFERENCE ONLY!