


Liftcrane Boom Capacities

Boom No. B10:82A
83 730 kg Crane Counterweight
19 960 kg Carbody Counterweight
360 Degree Rating

MLC250 SERIES 2

 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.


Upper boom point capacity for liftcrane service with single part whip line from Drum 1 or Drum 2 is 13 380 kg or 26 760 kg with two part whip line. When Drum 3 is used, capacity with single part whip line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of load. 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.


BOOM BACKWARD STABILITY: Capacities indicated by (b) require 5 670 kg minimum weight. **Caution: Do not operate in areas indicated by (b) without required minimum weight. Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.**

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface with gantry up. Refer to Boom Rigging **No. 80137888**, Wire Rope Specifications chart **No. 9909-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9908-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 the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9907-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 8 585 mm crawlers, 1 200 mm or 1 524 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. 9913-AM** when Jib No. 134 is attached.

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (m)	Jib Offset Angle		
	5°	15°	25°
Deduct (kg)			
9,1	2 275	2 600	3 100
12,2	2 650	3 325	4 050
15,2	3 050	4 000	5 000
18,3	3 500	4 725	5 900
21,3	3 825	5 275	6 775
24,4	4 225	5 875	7 675

Weight of jib and 1 360 kg suspended beneath jib point have been included in determination of deduct.

Refer to Table 1 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. For boom lengths shown with (a), upper boom point must be removed. Raising is not permitted in shaded areas of table.

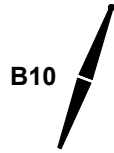
Combined weight beneath boom point sheaves must not exceed block weight shown.

Table 1

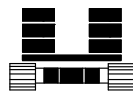
Boom Length (m)	Maximum Number of Lower Boom Point Sheaves	Over End or Side of Crawlers	Over End of Blocked Crawlers
		Block Weight (kg)	
21,3 - 57,9	8	4 525	4 525
61,0	8	3 975	4 150
64,0	8	2 925	3 250
67,1	8	2 025	2 475
70,1	8	#	1 950
73,2	8	#	1 900
76,2	2	#	1 575
79,2	2		#
82,3	2		#
85,3 (a)	2		#

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

Explanation of Symbols



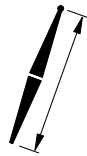
Boom No. B10:82A



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



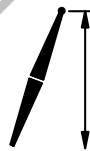
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

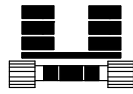
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ASME B30.5



B10



83 730 kg
+
19 960 kg



21,3 m

m	°	m	kg
4,9	82,8	23,6	213 100 b
5,0	82,5	23,6	208 500 b
5,5	81,1	23,5	190 800 b
6,0	79,7	23,4	175 900 b
7,0	77,0	23,1	152 100 b
8,0	74,2	22,8	133 600
9,0	71,3	22,5	116 300
10,0	68,4	22,1	99 000
11,0	65,5	21,6	85 600
12,0	62,5	21,1	75 300
13,0	59,3	20,5	67 100
14,0	56,1	19,8	60 300
15,0	52,7	19,1	54 700
16,0	49,1	18,2	50 100
18,0	41,3	16,1	42 400
20,0	31,9	13,2	36 500

24,4 m

m	°	m	kg
5,2	83,0	26,6	201 200 b
5,5	82,2	26,6	190 400 b
6,0	81,0	26,5	175 600 b
7,0	78,6	26,3	151 800 b
8,0	76,2	26,0	133 200
9,0	73,8	25,7	116 300
10,0	71,3	25,4	99 000
11,0	68,8	25,0	85 600
12,0	66,2	24,5	75 300
13,0	63,5	24,0	67 000
14,0	60,9	23,5	60 200
15,0	58,1	22,8	54 700
16,0	55,2	22,1	50 100
18,0	49,1	20,5	42 300
20,0	42,4	18,4	36 400
22,0	34,5	15,8	31 800
24,0	24,5	12,0	28 000

27,4 m

m	°	m	kg
5,8	82,5	29,6	181 100 b
6,0	82,0	29,6	175 300 b
7,0	79,9	29,4	151 500 b
8,0	77,8	29,2	133 000
9,0	75,6	28,9	116 300
10,0	73,4	28,6	99 000
11,0	71,2	28,2	85 600
12,0	69,0	27,9	75 300
13,0	66,7	27,4	67 000
14,0	64,4	26,9	60 200
15,0	62,0	26,4	54 600
16,0	59,6	25,8	50 000
18,0	54,5	24,4	42 300
20,0	49,1	22,8	36 400
22,0	43,2	20,8	31 800
24,0	36,4	18,2	28 000
26,0	28,3	14,9	24 800

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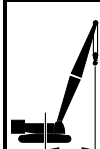

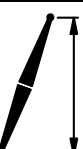

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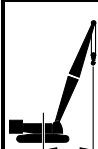

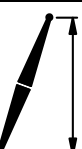

 83 730 kg
+
19 960 kg








 **30,5 m**

 m	 °	 m	 kg
6,1	82,7	32,6	172 500 b
7,0	80,9	32,5	151 500 b
8,0	79,0	32,3	132 900
9,0	77,1	32,1	116 400
10,0	75,1	31,8	99 100
11,0	73,2	31,5	85 700
12,0	71,2	31,1	75 400
13,0	69,2	30,7	67 100
14,0	67,1	30,3	60 300
15,0	65,1	29,8	54 700
16,0	62,9	29,3	50 100
18,0	58,6	28,1	42 300
20,0	54,0	26,7	36 500
22,0	49,1	25,1	31 900
24,0	43,8	23,1	28 100
26,0	37,9	20,7	25 000
28,0	31,0	17,6	22 400
30,0	22,2	13,4	20 100

 **33,5 m**

 m	 °	 m	 kg
6,7	82,3	35,6	157 200
7,0	81,8	35,6	151 100
8,0	80,0	35,4	132 600
9,0	78,3	35,2	116 300
10,0	76,5	34,9	99 100
11,0	74,8	34,7	85 600
12,0	73,0	34,4	75 300
13,0	71,2	34,0	67 000
14,0	69,3	33,6	60 200
15,0	67,5	33,2	54 600
16,0	65,6	32,7	49 900
18,0	61,7	31,7	42 200
20,0	57,7	30,5	36 300
22,0	53,5	29,1	31 700
24,0	49,1	27,4	28 000
26,0	44,3	25,4	24 800
28,0	39,0	23,1	22 200
30,0	33,1	20,2	20 000
32,0	25,8	16,5	18 000

 **36,6 m**

 m	 °	 m	 kg
6,7	82,9	38,7	147 100
7,0	82,5	38,7	145 900
8,0	80,9	38,5	132 500
9,0	79,3	38,3	116 300
10,0	77,7	38,1	99 100
11,0	76,1	37,8	85 600
12,0	74,4	37,5	75 300
13,0	72,8	37,2	67 000
14,0	71,1	36,9	60 200
15,0	69,5	36,5	54 500
16,0	67,8	36,1	49 900
18,0	64,3	35,2	42 200
20,0	60,7	34,1	36 300
22,0	57,0	32,8	31 700
24,0	53,2	31,4	27 900
26,0	49,1	29,7	24 800
28,0	44,7	27,7	22 200
30,0	40,0	25,5	20 000
32,0	34,7	22,7	18 000
34,0	28,5	19,3	16 400
36,0	20,6	14,7	14 900

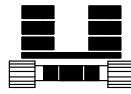
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B10



83 730 kg
+
19 960 kg



39,6 m			
m	o	m	kg
7,3	82,6	41,7	133 800
8,0	81,6	41,6	132 300
9,0	80,1	41,4	116 300
10,0	78,6	41,2	99 100
11,0	77,2	41,0	85 600
12,0	75,7	40,7	75 300
13,0	74,2	40,4	66 900
14,0	72,6	40,1	60 100
15,0	71,1	39,8	54 500
16,0	69,6	39,4	49 800
18,0	66,4	38,5	42 100
20,0	63,2	37,6	36 200
22,0	59,9	36,4	31 600
24,0	56,4	35,1	27 800
26,0	52,8	33,7	24 700
28,0	49,1	32,0	22 100
30,0	45,1	30,1	19 900
32,0	40,7	27,8	18 000
34,0	36,0	25,2	16 300
36,0	30,5	22,0	14 800
38,0	24,0	18,0	13 500

42,7 m			
m	o	m	kg
7,9	82,3	44,7	133 000
8,0	82,2	44,7	131 900
9,0	80,8	44,5	116 200
10,0	79,5	44,3	99 100
11,0	78,1	44,1	85 500
12,0	76,7	43,9	75 200
13,0	75,3	43,6	66 900
14,0	73,9	43,3	60 000
15,0	72,5	43,0	54 400
16,0	71,1	42,6	49 800
18,0	68,2	41,9	42 000
20,0	65,3	41,0	36 100
22,0	62,2	39,9	31 500
24,0	59,1	38,8	27 800
26,0	55,9	37,5	24 600
28,0	52,6	36,0	22 100
30,0	49,1	34,3	19 800
32,0	45,4	32,4	17 900
34,0	41,4	30,2	16 200
36,0	37,0	27,7	14 800
38,0	32,2	24,7	13 400
40,0	26,6	21,0	12 300
42,0	19,4	16,0	11 200

45,7 m			
m	o	m	kg
7,9	82,8	47,8	120 100
8,0	82,7	47,8	119 800
9,0	81,4	47,6	114 600
10,0	80,2	47,4	99 000
11,0	78,9	47,2	85 400
12,0	77,6	47,0	75 100
13,0	76,3	46,8	66 700
14,0	75,0	46,5	59 900
15,0	73,7	46,2	54 200
16,0	72,4	45,9	49 600
18,0	69,7	45,1	41 800
20,0	67,0	44,3	35 900
22,0	64,3	43,4	31 300
24,0	61,4	42,3	27 600
26,0	58,5	41,1	24 400
28,0	55,5	39,8	21 800
30,0	52,3	38,3	19 600
32,0	49,1	36,6	17 700
34,0	45,6	34,7	16 000
36,0	41,9	32,5	14 500
38,0	37,9	30,1	13 200
40,0	33,6	27,2	12 000
42,0	28,6	23,8	11 000
44,0	22,6	19,4	10 000

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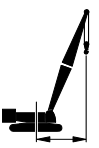



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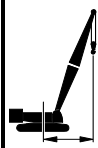
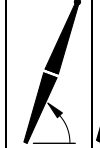



83 730 kg
 +
19 960 kg




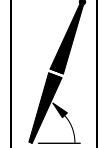
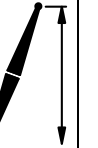

48,8 m

					
m	°	m	kg		
8,5	82,5	50,8	107 000		
9,0	82,0	50,7	107 000		
10,0	80,8	50,5	99 000		
11,0	79,6	50,3	85 400		
12,0	78,4	50,1	75 000		
13,0	77,2	49,9	66 700		
14,0	76,0	49,6	59 800		
15,0	74,8	49,4	54 200		
16,0	73,5	49,1	49 500		
18,0	71,1	48,4	41 700		
20,0	68,5	47,6	35 800		
22,0	66,0	46,8	31 200		
24,0	63,4	45,8	27 400		
26,0	60,7	44,7	24 300		
28,0	57,9	43,5	21 700		
30,0	55,1	42,1	19 500		
32,0	52,1	40,6	17 600		
34,0	49,1	38,9	15 900		
36,0	45,8	37,0	14 400		
38,0	42,4	34,9	13 100		
40,0	38,7	32,5	12 000		
42,0	34,7	29,7	10 900		
44,0	30,2	26,5	9 900		
46,0	25,0	22,5	9 100		
48,0	18,5	17,3	8 200		

51,8 m

					
m	°	m	kg		
8,5	83,0	53,8	105 100		
9,0	82,5	53,8	103 500		
10,0	81,3	53,6	97 900		
11,0	80,2	53,4	85 300		
12,0	79,1	53,2	74 900		
13,0	78,0	53,0	66 500		
14,0	76,8	52,8	59 700		
15,0	75,7	52,5	54 000		
16,0	74,5	52,3	49 400		
18,0	72,2	51,6	41 600		
20,0	69,9	50,9	35 700		
22,0	67,5	50,1	31 100		
24,0	65,1	49,2	27 300		
26,0	62,6	48,2	24 200		
28,0	60,0	47,0	21 600		
30,0	57,4	45,8	19 300		
32,0	54,7	44,4	17 400		
34,0	52,0	42,9	15 700		
36,0	49,1	41,2	14 300		
38,0	46,0	39,3	13 000		
40,0	42,8	37,2	11 800		
42,0	39,4	34,9	10 700		
44,0	35,7	32,2	9 800		
46,0	31,6	29,1	8 900		
48,0	27,0	25,4	8 100		
50,0	21,5	20,8	7 400		

54,9 m

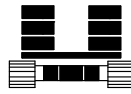
					
m	°	m	kg		
9,1	82,7	56,8	93 600		
10,0	81,8	56,7	93 500		
11,0	80,8	56,5	85 200		
12,0	79,7	56,4	74 800		
13,0	78,6	56,2	66 400		
14,0	77,6	55,9	59 600		
15,0	76,5	55,7	53 900		
16,0	75,4	55,4	49 300		
18,0	73,2	54,8	41 500		
20,0	71,0	54,2	35 500		
22,0	68,8	53,4	30 900		
24,0	66,5	52,5	27 200		
26,0	64,2	51,6	24 000		
28,0	61,9	50,6	21 400		
30,0	59,5	49,4	19 200		
32,0	57,0	48,1	17 300		
34,0	54,4	46,7	15 600		
36,0	51,8	45,2	14 100		
38,0	49,0	43,5	12 800		
40,0	46,2	41,6	11 700		
42,0	43,2	39,5	10 600		
44,0	40,0	37,2	9 700		
46,0	36,6	34,6	8 800		
48,0	32,8	31,7	8 000		
50,0	28,6	28,2	7 300		
52,0	23,8	24,0	6 600		

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ASME B30.5



B10



83 730 kg
+
19 960 kg



57,9 m			
m	°	m	kg
9,8	82,5	59,8	89 300
10,0	82,3	59,8	88 700
11,0	81,3	59,6	85 100
12,0	80,3	59,5	74 700
13,0	79,2	59,3	66 300
14,0	78,2	59,1	59 400
15,0	77,2	58,8	53 800
16,0	76,2	58,6	49 100
18,0	74,2	58,0	41 300
20,0	72,1	57,4	35 400
22,0	70,0	56,7	30 700
24,0	67,8	55,9	26 900
26,0	65,7	55,0	23 800
28,0	63,5	54,0	21 200
30,0	61,2	52,9	19 000
32,0	58,9	51,7	17 000
34,0	56,6	50,4	15 400
36,0	54,1	49,0	13 900
38,0	51,6	47,5	12 600
40,0	49,0	45,8	11 400
42,0	46,3	43,9	10 400
44,0	43,5	41,9	9 400
46,0	40,5	39,6	8 600
48,0	37,3	37,1	7 800
50,0	33,9	34,2	7 100
52,0	30,0	30,9	6 400
54,0	25,7	27,0	5 800
56,0	20,5	22,2	5 200

61,0 m			
m	°	m	kg
9,8	82,9	62,9	80 200
10,0	82,7	62,9	80 200
11,0	81,7	62,7	80 200
12,0	80,7	62,6	74 600
13,0	79,8	62,4	66 200
14,0	78,8	62,2	59 300
15,0	77,9	62,0	53 600
16,0	76,9	61,7	49 000
18,0	75,0	61,2	41 100
20,0	73,0	60,6	35 200
22,0	71,0	59,9	30 600
24,0	69,0	59,2	26 800
26,0	67,0	58,3	23 700
28,0	64,9	57,4	21 100
30,0	62,8	56,4	18 800
32,0	60,7	55,3	16 900
34,0	58,5	54,1	15 200
36,0	56,2	52,8	13 700
38,0	53,9	51,3	12 400
40,0	51,5	49,8	11 300
42,0	49,0	48,1	10 200
44,0	46,5	46,2	9 300
46,0	43,8	44,2	8 400
48,0	41,0	41,9	7 600
50,0	38,0	39,5	6 900
52,0	34,8	36,7	6 200
54,0	31,2	33,5	5 600
56,0	27,3	29,9	5 000
58,0	22,8	25,5	4 500

64,0 m			
m	°	m	kg
10,4	82,7	65,9	77 800
11,0	82,1	65,8	77 300
12,0	81,2	65,6	73 800
13,0	80,3	65,5	66 100
14,0	79,4	65,3	59 200
15,0	78,5	65,1	53 500
16,0	77,5	64,8	48 800
18,0	75,7	64,4	41 000
20,0	73,8	63,8	35 000
22,0	72,0	63,1	30 400
24,0	70,1	62,4	26 600
26,0	68,1	61,6	23 500
28,0	66,2	60,8	20 900
30,0	64,2	59,8	18 600
32,0	62,2	58,8	16 700
34,0	60,1	57,7	15 000
36,0	58,0	56,4	13 600
38,0	55,9	55,1	12 200
40,0	53,7	53,7	11 100
42,0	51,4	52,1	10 000
44,0	49,0	50,4	9 100
46,0	46,6	48,5	8 200
48,0	44,1	46,5	7 400
50,0	41,4	44,3	6 700
52,0	38,6	41,9	6 100
54,0	35,6	39,2	5 400
56,0	32,3	36,1	4 900
58,0	28,7	32,6	4 300
60,0	24,6	28,5	3 800
62,0	19,7	23,5	3 400

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83 730 kg
+
19 960 kg



67,1 m

m	o	m	kg
10,4	83,0	69,0	70 400
11,0	82,5	68,9	70 100
12,0	81,6	68,7	69 800
13,0	80,7	68,6	65 900
14,0	79,9	68,4	59 000
15,0	79,0	68,2	53 300
16,0	78,1	68,0	48 700
18,0	76,4	67,5	40 800
20,0	74,6	67,0	34 900
22,0	72,8	66,4	30 300
24,0	71,0	65,7	26 500
26,0	69,2	64,9	23 300
28,0	67,3	64,1	20 700
30,0	65,5	63,2	18 500
32,0	63,6	62,2	16 500
34,0	61,6	61,2	14 900
36,0	59,6	60,0	13 400
38,0	57,6	58,8	12 100
40,0	55,6	57,4	10 900
42,0	53,5	56,0	9 900
44,0	51,3	54,4	8 900
46,0	49,0	52,7	8 100
48,0	46,7	50,8	7 300
50,0	44,3	48,8	6 600
52,0	41,8	46,6	5 900
54,0	39,1	44,2	5 300
56,0	36,3	41,6	4 700
58,0	33,2	38,7	4 200
60,0	29,9	35,3	3 700
62,0	26,2	31,5	3 200
64,0	21,9	26,9	2 800

70,1 m

m	o	m	kg
11,0	82,8	72,0	63 600
12,0	82,0	71,8	63 200
13,0	81,1	71,7	62 600
14,0	80,3	71,5	58 800
15,0	79,5	71,3	53 200
16,0	78,6	71,1	48 500
18,0	77,0	70,6	40 600
20,0	75,3	70,1	34 700
22,0	73,6	69,5	30 000
24,0	71,9	68,9	26 200
26,0	70,1	68,2	23 100
28,0	68,4	67,4	20 500
30,0	66,6	66,6	18 200
32,0	64,8	65,6	16 300
34,0	63,0	64,6	14 600
36,0	61,1	63,5	13 100
38,0	59,2	62,4	11 800
40,0	57,3	61,1	10 700
42,0	55,3	59,7	9 600
44,0	53,3	58,3	8 700
46,0	51,2	56,7	7 800
48,0	49,0	55,0	7 000
50,0	46,8	53,1	6 300
52,0	44,5	51,1	5 600
54,0	42,1	49,0	5 000
56,0	39,6	46,6	4 500
58,0	36,9	44,0	3 900
60,0	34,0	41,2	3 400
62,0	30,9	38,0	3 000
64,0	27,5	34,3	2 500
66,0	23,7	30,0	2 100

73,2 m

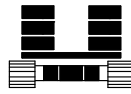
m	o	m	kg
11,6	82,6	75,0	57 600
12,0	82,3	74,9	57 400
13,0	81,5	74,7	56 800
14,0	80,7	74,6	56 000
15,0	79,9	74,4	53 000
16,0	79,1	74,2	48 300
18,0	77,5	73,8	40 500
20,0	75,9	73,3	34 500
22,0	74,3	72,7	29 900
24,0	72,6	72,1	26 100
26,0	71,0	71,4	22 900
28,0	69,3	70,7	20 300
30,0	67,6	69,9	18 100
32,0	65,9	69,0	16 100
34,0	64,2	68,0	14 400
36,0	62,4	67,0	13 000
38,0	60,6	65,9	11 600
40,0	58,8	64,7	10 500
42,0	56,9	63,4	9 400
44,0	55,0	62,1	8 500
46,0	53,1	60,6	7 600
48,0	51,1	59,0	6 800
50,0	49,0	57,3	6 100
52,0	46,9	55,4	5 500
54,0	44,7	53,5	4 800
56,0	42,4	51,3	4 300
58,0	40,0	49,0	3 800
60,0	37,5	46,5	3 300
62,0	34,8	43,7	2 800
64,0	31,9	40,6	2 400

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B10



83 730 kg
+
19 960 kg



360°

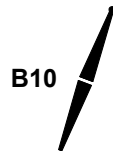
76,2 m			
m	o	m	kg
11,6	82,9	78,0	52 700
12,0	82,6	78,0	52 400
13,0	81,9	77,8	51 600
14,0	81,1	77,7	50 800
15,0	80,3	77,5	50 000
16,0	79,6	77,3	47 500
18,0	78,0	76,9	40 600
20,0	76,5	76,4	34 700
22,0	74,9	75,9	30 000
24,0	73,4	75,3	26 200
26,0	71,8	74,7	23 000
28,0	70,2	74,0	20 400
30,0	68,6	73,2	18 200
32,0	66,9	72,3	16 200
34,0	65,3	71,4	14 600
36,0	63,6	70,5	13 100
38,0	61,9	69,4	11 800
40,0	60,2	68,3	10 600
42,0	58,4	67,1	9 600
44,0	56,6	65,8	8 600
46,0	54,8	64,4	7 800
48,0	52,9	62,9	7 000
50,0	51,0	61,3	6 200
52,0	49,0	59,6	5 600
54,0	47,0	57,8	5 000
56,0	44,9	55,8	4 400
58,0	42,7	53,7	3 900
60,0	40,4	51,4	3 400
62,0	38,0	48,9	2 900
64,0	35,4	46,1	2 500
66,0	32,7	43,1	2 100

79,2 m			
m	o	m	kg
12,2	82,8	81,0	47 700
13,0	82,2	80,9	47 100
14,0	81,4	80,8	46 300
15,0	80,7	80,6	45 600
16,0	80,0	80,4	44 900
18,0	78,5	80,0	40 400
20,0	77,0	79,6	34 500
22,0	75,5	79,1	29 800
24,0	74,0	78,5	26 000
26,0	72,5	77,9	22 900
28,0	71,0	77,2	20 300
30,0	69,4	76,5	18 000
32,0	67,9	75,7	16 100
34,0	66,3	74,8	14 400
36,0	64,7	73,9	12 900
38,0	63,1	72,9	11 600
40,0	61,5	71,8	10 400
42,0	59,8	70,6	9 400
44,0	58,1	69,4	8 400
46,0	56,4	68,1	7 600
48,0	54,6	66,7	6 800
50,0	52,8	65,2	6 100
52,0	50,9	63,6	5 400
54,0	49,0	61,9	4 800
56,0	47,1	60,1	4 200
58,0	45,0	58,1	3 700
60,0	42,9	56,0	3 200
62,0	40,8	53,7	2 800
64,0	38,5	51,3	2 300

82,3 m			
m	o	m	kg
12,2	83,0	84,1	43 600
13,0	82,5	84,0	43 100
14,0	81,8	83,8	42 300
15,0	81,1	83,7	41 700
16,0	80,3	83,5	41 000
18,0	78,9	83,1	39 500
20,0	77,5	82,7	34 300
22,0	76,1	82,2	29 600
24,0	74,6	81,7	25 800
26,0	73,2	81,1	22 600
28,0	71,7	80,4	20 000
30,0	70,2	79,7	17 800
32,0	68,7	78,9	15 800
34,0	67,2	78,1	14 100
36,0	65,7	77,2	12 700
38,0	64,2	76,3	11 300
40,0	62,6	75,2	10 200
42,0	61,0	74,2	9 100
44,0	59,4	73,0	8 200
46,0	57,8	71,7	7 300
48,0	56,1	70,4	6 500
50,0	54,4	69,0	5 800
52,0	52,6	67,5	5 100
54,0	50,9	65,9	4 500
56,0	49,0	64,2	4 000
58,0	47,1	62,4	3 400
60,0	45,2	60,4	3 000
62,0	43,2	58,3	2 500
64,0	41,1	56,1	2 100


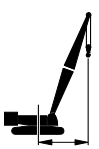

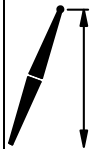

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 83 730 kg
 +
 19 960 kg



 85,3 m			
 m	 °	 m	 kg
12,8	82,9	87,1	39 200
13,0	82,7	87,1	39 100
14,0	82,1	86,9	38 400
15,0	81,4	86,8	37 800
16,0	80,7	86,6	37 100
18,0	79,3	86,2	36 000
20,0	78,0	85,8	34 100
22,0	76,6	85,3	29 400
24,0	75,2	84,8	25 600
26,0	73,8	84,3	22 400
28,0	72,4	83,6	19 800
30,0	71,0	83,0	17 600
32,0	69,5	82,2	15 600
34,0	68,1	81,4	14 000
36,0	66,6	80,6	12 500
38,0	65,2	79,7	11 100
40,0	63,7	78,7	10 000
42,0	62,1	77,6	8 900
44,0	60,6	76,5	8 000
46,0	59,1	75,3	7 100
48,0	57,5	74,1	6 300
50,0	55,9	72,7	5 600
52,0	54,2	71,3	4 900
54,0	52,5	69,8	4 300
56,0	50,8	68,2	3 800
58,0	49,0	66,5	3 200
60,0	47,2	64,7	2 800
62,0	45,3	62,7	2 300
64,0	43,4	60,6	1 900

PREFERENCE ONLY!