


Liftcrane Boom Capacities

Boom No. B10:76A
67 860 kg Crane Counterweight
27 400 kg Carbody Counterweight
360 Degree Rating

MLC200 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 14 290 kg or 27 220 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 4 540 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. 80149429**, Wire Rope Specifications chart **No. A018-A**, Counterweight Arrangements chart **No. A004-A**, and Wind Conditions chart **No. A017-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. A016-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 8 280 mm crawlers, 1 200 mm treads, 3 124 mm retractable gantry, 8 250 mm live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. A022-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	2 650	2 875	3 425
12,2	3 000	3 550	4 325
15,2	3 375	4 225	5 275
18,3	3 725	4 900	6 175
21,3	4 050	5 450	7 000
24,4	4 450	6 000	7 900

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

Upper Boom Point Deduct
Deduct 500 kg from capacities when upper boom point is attached.

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)	
20,0 - 56,0	7	3 625	3 625
59,0	7	3 250	3 625
62,0	7	2 350	2 925
65,0	7	1 450	2 200
68,0	7	#	1 850
71,0	2	#	1 800
74,0	2	#	#
77,0	2		#
80,0	2		#
83,0 (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. B10:76A



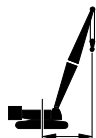
Crane Counterweight
+
Carbody Counterweight



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)

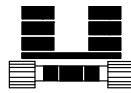
REFERENCE ONLY!

MLC200 S-2

ASME B30.5



B10



67 860 kg
+
27 400 kg



20,0 m			
m	°	m	kg
4,6	83,2	22,2	176 700 b
5,0	82,0	22,1	162 900 b
5,5	80,5	22,0	148 900 b
6,0	79,0	21,9	137 200 b
6,5	77,6	21,8	127 100 b
7,0	76,1	21,7	118 300 b
7,5	74,6	21,5	110 700
8,0	73,1	21,4	103 900
8,5	71,6	21,2	97 900
9,0	70,0	21,0	92 500
9,5	68,5	20,8	87 600
10,0	66,9	20,6	82 500
10,5	65,3	20,3	76 800
11,0	63,7	20,0	71 700
12,0	60,4	19,5	63 200
13,0	57,0	18,8	56 400
14,0	53,4	18,1	50 700
15,0	49,6	17,2	46 100
16,0	45,6	16,2	42 200
18,0	36,5	13,8	35 700
20,0	24,5	10,1	30 700

23,0 m			
m	°	m	kg
5,2	82,6	25,1	157 300 b
5,5	81,8	25,1	148 700 b
6,0	80,5	25,0	137 100 b
6,5	79,2	24,9	127 000 b
7,0	77,9	24,8	118 200 b
7,5	76,7	24,7	110 500
8,0	75,4	24,5	103 700
8,5	74,1	24,4	97 700
9,0	72,8	24,2	92 300
9,5	71,4	24,0	87 400
10,0	70,1	23,8	82 500
10,5	68,8	23,6	76 900
11,0	67,4	23,4	71 700
12,0	64,6	22,9	63 300
13,0	61,8	22,4	56 400
14,0	58,9	21,8	50 800
15,0	55,9	21,1	46 100
16,0	52,7	20,3	42 300
18,0	46,0	18,5	35 800
20,0	38,3	16,2	30 800
22,0	28,9	13,0	26 900

26,0 m			
m	°	m	kg
5,5	82,8	28,1	149 000
6,0	81,6	28,0	137 000
6,5	80,5	28,0	126 900
7,0	79,4	27,9	118 100
7,5	78,2	27,7	110 500
8,0	77,1	27,6	103 700
8,5	76,0	27,5	97 600
9,0	74,8	27,3	92 300
9,5	73,7	27,2	87 400
10,0	72,5	27,0	82 600
10,5	71,3	26,8	77 000
11,0	70,1	26,7	71 800
12,0	67,8	26,2	63 300
13,0	65,3	25,8	56 500
14,0	62,8	25,3	50 800
15,0	60,3	24,7	46 200
16,0	57,7	24,0	42 300
18,0	52,2	22,6	35 800
20,0	46,2	20,7	30 900
22,0	39,6	18,5	27 000
24,0	31,7	15,5	23 800
26,0	21,3	11,2	21 100

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67 860 kg
+
27 400 kg



29,0 m

m	o	m	kg
5,8	82,9	31,1	141 400
6,0	82,5	31,1	136 700
6,5	81,5	31,0	126 700
7,0	80,5	30,9	117 900
7,5	79,5	30,8	110 200
8,0	78,4	30,7	103 500
8,5	77,4	30,6	97 400
9,0	76,4	30,4	92 000
9,5	75,4	30,3	87 200
10,0	74,4	30,2	82 500
10,5	73,3	30,0	76 900
11,0	72,3	29,8	71 800
12,0	70,2	29,5	63 300
13,0	68,0	29,1	56 400
14,0	65,9	28,6	50 800
15,0	63,7	28,1	46 100
16,0	61,4	27,6	42 200
18,0	56,7	26,3	35 800
20,0	51,8	24,8	30 800
22,0	46,4	23,0	27 000
24,0	40,5	20,7	23 800
26,0	33,8	18,0	21 100
28,0	25,4	14,2	18 900

32,0 m

m	o	m	kg
6,1	83,0	34,1	134 600
6,5	82,3	34,1	126 600
7,0	81,4	34,0	117 800
7,5	80,5	33,9	110 200
8,0	79,6	33,8	103 400
8,5	78,6	33,7	97 400
9,0	77,7	33,6	92 000
9,5	76,8	33,4	87 200
10,0	75,9	33,3	82 600
10,5	74,9	33,2	77 000
11,0	74,0	33,0	71 800
12,0	72,1	32,7	63 300
13,0	70,2	32,3	56 500
14,0	68,3	31,9	50 800
15,0	66,3	31,5	46 100
16,0	64,3	31,0	42 300
18,0	60,2	29,9	35 800
20,0	56,0	28,6	30 900
22,0	51,5	27,0	27 000
24,0	46,6	25,2	23 800
26,0	41,4	23,1	21 200
28,0	35,4	20,4	19 000
30,0	28,4	17,1	17 100
32,0	19,0	12,2	15 400

35,0 m

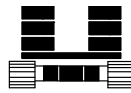
m	o	m	kg
6,4	83,1	37,1	128 200
6,5	82,9	37,1	126 400
7,0	82,1	37,0	117 600
7,5	81,3	36,9	110 000
8,0	80,5	36,8	103 200
8,5	79,6	36,7	97 200
9,0	78,8	36,6	91 800
9,5	77,9	36,5	86 900
10,0	77,1	36,4	82 500
10,5	76,3	36,3	77 000
11,0	75,4	36,1	71 800
12,0	73,7	35,8	63 300
13,0	72,0	35,5	56 400
14,0	70,2	35,1	50 700
15,0	68,5	34,7	46 000
16,0	66,7	34,3	42 200
18,0	63,0	33,3	35 700
20,0	59,3	32,2	30 700
22,0	55,3	30,8	26 900
24,0	51,2	29,3	23 700
26,0	46,7	27,4	21 100
28,0	42,0	25,3	18 900
30,0	36,7	22,8	17 000
32,0	30,6	19,6	15 300
34,0	23,0	15,5	13 900

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B10



67 860 kg
+
27 400 kg



360°

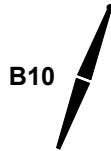
38,0 m			
m	o	m	kg
6,7	83,2	40,1	122 500
7,0	82,8	40,0	117 500
7,5	82,0	40,0	109 800
8,0	81,2	39,9	103 100
8,5	80,5	39,8	97 000
9,0	79,7	39,7	91 700
9,5	78,9	39,6	86 800
10,0	78,1	39,5	82 400
10,5	77,4	39,4	76 900
11,0	76,6	39,2	71 700
12,0	75,0	39,0	63 200
13,0	73,5	38,7	56 300
14,0	71,9	38,3	50 600
15,0	70,3	38,0	46 000
16,0	68,6	37,6	42 100
18,0	65,3	36,7	35 600
20,0	62,0	35,7	30 700
22,0	58,4	34,5	26 800
24,0	54,8	33,1	23 600
26,0	51,0	31,5	21 000
28,0	46,9	29,7	18 800
30,0	42,5	27,6	16 900
32,0	37,7	25,2	15 300
34,0	32,3	22,2	13 900
36,0	26,0	18,4	12 600
38,0	17,4	13,1	11 400

41,0 m			
m	o	m	kg
7,3	82,8	43,0	112 300
7,5	82,6	43,0	109 600
8,0	81,9	42,9	102 800
8,5	81,2	42,8	96 800
9,0	80,5	42,7	91 400
9,5	79,7	42,6	86 500
10,0	79,0	42,5	82 100
10,5	78,3	42,4	76 800
11,0	77,6	42,3	71 600
12,0	76,2	42,1	63 100
13,0	74,7	41,8	56 200
14,0	73,2	41,5	50 500
15,0	71,8	41,2	45 800
16,0	70,3	40,8	42 000
18,0	67,3	40,0	35 500
20,0	64,2	39,0	30 500
22,0	61,0	38,0	26 600
24,0	57,7	36,7	23 500
26,0	54,3	35,3	20 800
28,0	50,7	33,7	18 700
30,0	47,0	31,9	16 800
32,0	42,9	29,9	15 100
34,0	38,6	27,5	13 700
36,0	33,7	24,6	12 500
38,0	28,1	21,2	11 300
40,0	21,2	16,6	10 300

44,0 m			
m	o	m	kg
7,6	82,9	46,0	106 700
8,0	82,4	46,0	102 700
8,5	81,8	45,9	96 700
9,0	81,1	45,8	91 300
9,5	80,5	45,7	86 500
10,0	79,8	45,6	82 100
10,5	79,1	45,5	76 800
11,0	78,5	45,4	71 600
12,0	77,1	45,2	63 100
13,0	75,8	44,9	56 200
14,0	74,4	44,6	50 500
15,0	73,1	44,3	45 800
16,0	71,7	44,0	41 900
18,0	68,9	43,2	35 400
20,0	66,1	42,4	30 500
22,0	63,2	41,4	26 600
24,0	60,2	40,3	23 400
26,0	57,1	39,0	20 800
28,0	53,9	37,6	18 600
30,0	50,6	36,0	16 700
32,0	47,1	34,2	15 100
34,0	43,3	32,1	13 700
36,0	39,3	29,8	12 400
38,0	34,9	27,1	11 300
40,0	30,0	23,8	10 300
42,0	24,0	19,7	9 400
44,0	16,1	14,0	8 600

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ASME B30.5



67 860 kg
+
27 400 kg



47,0 m			
m	o	m	kg
7,9	83,0	49,0	102 200
8,0	82,9	49,0	101 500
8,5	82,3	48,9	96 500
9,0	81,7	48,8	91 100
9,5	81,1	48,8	86 200
10,0	80,4	48,7	81 800
10,5	79,8	48,6	76 700
11,0	79,2	48,5	71 500
12,0	78,0	48,3	62 900
13,0	76,7	48,0	56 000
14,0	75,4	47,7	50 300
15,0	74,2	47,5	45 600
16,0	72,9	47,2	41 800
18,0	70,3	46,5	35 300
20,0	67,7	45,7	30 300
22,0	65,0	44,7	26 400
24,0	62,3	43,7	23 300
26,0	59,5	42,6	20 600
28,0	56,6	41,3	18 400
30,0	53,5	39,8	16 600
32,0	50,4	38,2	14 900
34,0	47,1	36,4	13 500
36,0	43,7	34,4	12 300
38,0	39,9	32,1	11 100
40,0	35,9	29,4	10 200
42,0	31,4	26,3	9 300
44,0	26,2	22,6	8 400
46,0	19,7	17,6	7 700

50,0 m			
m	o	m	kg
8,2	83,1	52,0	94 800
8,5	82,8	51,9	93 700
9,0	82,2	51,9	90 900
9,5	81,6	51,8	86 100
10,0	81,0	51,7	81 700
10,5	80,4	51,6	76 600
11,0	79,9	51,5	71 400
12,0	78,7	51,3	62 900
13,0	77,5	51,1	55 900
14,0	76,3	50,8	50 200
15,0	75,1	50,6	45 500
16,0	74,0	50,3	41 700
18,0	71,5	49,6	35 100
20,0	69,1	48,9	30 200
22,0	66,6	48,0	26 300
24,0	64,1	47,1	23 100
26,0	61,5	46,0	20 500
28,0	58,8	44,8	18 300
30,0	56,1	43,5	16 400
32,0	53,2	42,1	14 800
34,0	50,3	40,4	13 400
36,0	47,2	38,6	12 100
38,0	43,9	36,6	11 000
40,0	40,5	34,3	10 000
42,0	36,7	31,8	9 100
44,0	32,6	28,8	8 300
46,0	28,0	25,3	7 600
48,0	22,4	20,8	6 900

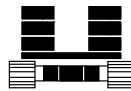
53,0 m			
m	o	m	kg
8,5	83,1	55,0	90 300
9,0	82,6	54,9	88 500
9,5	82,1	54,8	85 800
10,0	81,5	54,8	81 400
10,5	81,0	54,7	76 500
11,0	80,4	54,6	71 300
12,0	79,3	54,4	62 700
13,0	78,2	54,2	55 800
14,0	77,1	53,9	50 100
15,0	76,0	53,7	45 400
16,0	74,9	53,4	41 500
18,0	72,6	52,8	35 000
20,0	70,3	52,1	30 000
22,0	68,0	51,3	26 100
24,0	65,7	50,4	22 900
26,0	63,2	49,4	20 300
28,0	60,8	48,4	18 100
30,0	58,2	47,1	16 200
32,0	55,6	45,8	14 600
34,0	53,0	44,3	13 200
36,0	50,2	42,7	11 900
38,0	47,3	40,9	10 800
40,0	44,2	38,9	9 800
42,0	41,0	36,7	8 900
44,0	37,5	34,1	8 100
46,0	33,7	31,3	7 400
48,0	29,5	27,9	6 700
50,0	24,6	23,9	6 100
52,0	18,5	18,6	5 500

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B10



67 860 kg
+
27 400 kg



360°

56,0 m			
m	o	m	kg
8,8	83,2	58,0	81 000
9,0	83,0	57,9	80 500
9,5	82,5	57,9	79 000
10,0	82,0	57,8	77 500
10,5	81,5	57,7	75 400
11,0	81,0	57,6	71 200
12,0	79,9	57,4	62 600
13,0	78,9	57,2	55 700
14,0	77,8	57,0	50 000
15,0	76,8	56,8	45 300
16,0	75,7	56,5	41 400
18,0	73,6	55,9	34 900
20,0	71,4	55,3	29 900
22,0	69,3	54,5	26 000
24,0	67,0	53,7	22 800
26,0	64,8	52,8	20 200
28,0	62,5	51,8	18 000
30,0	60,1	50,6	16 100
32,0	57,7	49,4	14 500
34,0	55,3	48,0	13 100
36,0	52,7	46,6	11 800
38,0	50,1	44,9	10 700
40,0	47,3	43,1	9 700
42,0	44,4	41,1	8 900
44,0	41,4	38,9	8 100
46,0	38,1	36,5	7 300
48,0	34,6	33,7	6 700
50,0	30,7	30,5	6 000
52,0	26,4	26,7	5 500
54,0	21,1	22,0	4 900

59,0 m			
m	o	m	kg
9,4	83,0	60,9	75 900
9,5	82,9	60,9	75 800
10,0	82,4	60,8	74 400
10,5	81,9	60,8	73 000
11,0	81,4	60,7	71 100
12,0	80,4	60,5	62 500
13,0	79,5	60,3	55 600
14,0	78,5	60,1	49 900
15,0	77,5	59,9	45 100
16,0	76,5	59,6	41 300
18,0	74,5	59,1	34 700
20,0	72,4	58,5	29 700
22,0	70,4	57,8	25 900
24,0	68,3	57,0	22 700
26,0	66,2	56,1	20 000
28,0	64,0	55,2	17 800
30,0	61,8	54,1	15 900
32,0	59,6	53,0	14 300
34,0	57,3	51,7	12 900
36,0	54,9	50,3	11 700
38,0	52,5	48,8	10 500
40,0	50,0	47,2	9 600
42,0	47,4	45,4	8 700
44,0	44,6	43,4	7 900
46,0	41,8	41,2	7 100
48,0	38,7	38,8	6 500
50,0	35,4	36,1	5 800
52,0	31,9	33,0	5 300
54,0	27,9	29,4	4 800
56,0	23,3	25,1	4 300
58,0	17,5	19,5	3 800

62,0 m			
m	o	m	kg
9,8	83,0	63,9	67 900
10,0	82,8	63,8	67 600
10,5	82,3	63,8	67 100
11,0	81,8	63,7	66 500
12,0	80,9	63,5	62 400
13,0	80,0	63,4	55 500
14,0	79,0	63,2	49 700
15,0	78,1	62,9	45 000
16,0	77,1	62,7	41 100
18,0	75,2	62,2	34 600
20,0	73,3	61,6	29 600
22,0	71,3	61,0	25 700
24,0	69,4	60,2	22 500
26,0	67,4	59,4	19 900
28,0	65,4	58,5	17 700
30,0	63,3	57,5	15 800
32,0	61,2	56,4	14 100
34,0	59,0	55,2	12 700
36,0	56,8	54,0	11 500
38,0	54,6	52,6	10 400
40,0	52,3	51,0	9 400
42,0	49,9	49,4	8 500
44,0	47,4	47,6	7 700
46,0	44,8	45,6	7 000
48,0	42,1	43,5	6 300
50,0	39,2	41,1	5 700
52,0	36,1	38,4	5 100
54,0	32,8	35,4	4 600
56,0	29,2	32,0	4 100
58,0	25,0	28,0	3 700
60,0	20,0	23,0	3 200

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67 860 kg
+
27 400 kg



65,0 m			
m	°	m	kg
10,1	83,1	66,9	60 800
10,5	82,7	66,8	60 300
11,0	82,2	66,8	59 800
12,0	81,3	66,6	58 800
13,0	80,4	66,4	55 300
14,0	79,5	66,2	49 600
15,0	78,6	66,0	44 900
16,0	77,7	65,8	41 000
18,0	75,9	65,3	34 400
20,0	74,1	64,8	29 400
22,0	72,2	64,1	25 500
24,0	70,4	63,4	22 300
26,0	68,5	62,7	19 700
28,0	66,6	61,8	17 500
30,0	64,6	60,9	15 600
32,0	62,7	59,9	14 000
34,0	60,6	58,8	12 500
36,0	58,6	57,6	11 300
38,0	56,5	56,3	10 200
40,0	54,3	54,8	9 200
42,0	52,1	53,3	8 300
44,0	49,8	51,7	7 500
46,0	47,4	49,9	6 800
48,0	45,0	47,9	6 100
50,0	42,4	45,8	5 500
52,0	39,7	43,4	4 900
54,0	36,8	40,8	4 400
56,0	33,7	37,9	3 900
58,0	30,3	34,6	3 500
60,0	26,5	30,9	3 000
62,0	22,1	26,3	2 600
64,0	16,7	20,4	2 300

68,0 m			
m	°	m	kg
10,4	83,1	69,9	60 200
10,5	83,0	69,8	60 000
11,0	82,6	69,8	59 500
12,0	81,7	69,6	58 500
13,0	80,9	69,5	55 200
14,0	80,0	69,3	49 400
15,0	79,1	69,1	44 700
16,0	78,3	68,9	40 800
18,0	76,6	68,4	34 200
20,0	74,8	67,9	29 200
22,0	73,1	67,3	25 300
24,0	71,3	66,6	22 100
26,0	69,5	65,9	19 500
28,0	67,7	65,1	17 300
30,0	65,8	64,2	15 400
32,0	64,0	63,2	13 800
34,0	62,1	62,2	12 400
36,0	60,1	61,0	11 100
38,0	58,1	59,8	10 000
40,0	56,1	58,5	9 000
42,0	54,1	57,1	8 100
44,0	51,9	55,5	7 300
46,0	49,7	53,9	6 600
48,0	47,5	52,1	5 900
50,0	45,1	50,1	5 300
52,0	42,7	48,0	4 700
54,0	40,1	45,7	4 200
56,0	37,3	43,1	3 700
58,0	34,4	40,3	3 300
60,0	31,3	37,1	2 900
62,0	27,8	33,5	2 500
64,0	23,8	29,3	2 100

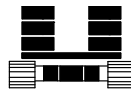
71,0 m			
m	°	m	kg
10,7	83,2	72,8	55 300
11,0	82,9	72,8	55 100
12,0	82,1	72,6	54 700
13,0	81,2	72,5	53 800
14,0	80,4	72,3	49 600
15,0	79,6	72,1	44 800
16,0	78,8	71,9	40 900
18,0	77,1	71,5	34 400
20,0	75,5	71,0	29 400
22,0	73,8	70,4	25 500
24,0	72,1	69,8	22 300
26,0	70,4	69,1	19 600
28,0	68,7	68,3	17 400
30,0	66,9	67,5	15 500
32,0	65,1	66,5	13 900
34,0	63,3	65,6	12 500
36,0	61,5	64,5	11 200
38,0	59,6	63,3	10 100
40,0	57,7	62,1	9 100
42,0	55,8	60,8	8 200
44,0	53,8	59,3	7 400
46,0	51,8	57,8	6 700
48,0	49,7	56,1	6 000
50,0	47,5	54,3	5 400
52,0	45,2	52,3	4 800
54,0	42,9	50,2	4 300
56,0	40,4	48,0	3 800
58,0	37,8	45,4	3 400
60,0	35,1	42,7	3 000
62,0	32,1	39,6	2 600
64,0	28,9	36,1	2 200

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B10



67 860 kg
+
27 400 kg



360°

74,0 m			
m	°	m	kg
11,0	83,2	75,8	50 200
12,0	82,4	75,7	49 700
13,0	81,6	75,5	49 400
14,0	80,8	75,4	48 900
15,0	80,0	75,2	44 700
16,0	79,3	75,0	40 800
18,0	77,7	74,6	34 200
20,0	76,1	74,1	29 200
22,0	74,5	73,5	25 300
24,0	72,9	72,9	22 100
26,0	71,2	72,3	19 400
28,0	69,6	71,5	17 200
30,0	67,9	70,7	15 400
32,0	66,2	69,9	13 700
34,0	64,5	68,9	12 300
36,0	62,8	67,9	11 000
38,0	61,0	66,8	9 900
40,0	59,2	65,7	8 900
42,0	57,4	64,4	8 000
44,0	55,5	63,0	7 200
46,0	53,6	61,6	6 500
48,0	51,6	60,0	5 800
50,0	49,6	58,4	5 200
52,0	47,5	56,6	4 700
54,0	45,4	54,6	4 200
56,0	43,1	52,5	3 700
58,0	40,8	50,3	3 200
60,0	38,3	47,8	2 800
62,0	35,7	45,1	2 400
64,0	32,9	42,1	2 000

77,0 m			
m	°	m	kg
11,6	83,0	78,8	45 500
12,0	82,7	78,7	45 300
13,0	81,9	78,6	44 900
14,0	81,2	78,4	44 500
15,0	80,4	78,2	43 800
16,0	79,7	78,1	40 700
18,0	78,2	77,6	34 100
20,0	76,6	77,2	29 100
22,0	75,1	76,7	25 100
24,0	73,5	76,1	21 900
26,0	72,0	75,4	19 300
28,0	70,4	74,7	17 100
30,0	68,8	74,0	15 200
32,0	67,2	73,1	13 500
34,0	65,6	72,2	12 100
36,0	63,9	71,3	10 800
38,0	62,2	70,2	9 700
40,0	60,5	69,1	8 700
42,0	58,8	67,9	7 800
44,0	57,0	66,6	7 000
46,0	55,2	65,3	6 300
48,0	53,4	63,8	5 600
50,0	51,5	62,2	5 000
52,0	49,5	60,6	4 500
54,0	47,5	58,8	3 900
56,0	45,5	56,8	3 500
58,0	43,3	54,8	3 000
60,0	41,1	52,5	2 600
62,0	38,7	50,1	2 200
64,0	36,3	47,4	1 800

80,0 m			
m	°	m	kg
11,9	83,1	81,8	41 000
12,0	83,0	81,8	40 900
13,0	82,2	81,6	40 500
14,0	81,5	81,5	40 200
15,0	80,8	81,3	39 800
16,0	80,1	81,1	38 700
18,0	78,6	80,7	33 900
20,0	77,1	80,3	28 900
22,0	75,7	79,8	25 000
24,0	74,2	79,2	21 800
26,0	72,7	78,6	19 100
28,0	71,2	77,9	16 900
30,0	69,6	77,2	15 000
32,0	68,1	76,4	13 400
34,0	66,5	75,6	12 000
36,0	65,0	74,6	10 700
38,0	63,4	73,6	9 600
40,0	61,7	72,6	8 600
42,0	60,1	71,4	7 700
44,0	58,4	70,2	6 900
46,0	56,7	68,9	6 200
48,0	55,0	67,6	5 500
50,0	53,2	66,1	4 900
52,0	51,4	64,5	4 300
54,0	49,5	62,8	3 800
56,0	47,6	61,0	3 300
58,0	45,6	59,1	2 900
60,0	43,5	57,0	2 500
62,0	41,4	54,8	2 100

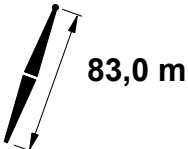

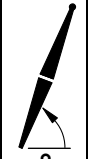
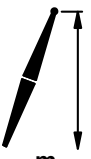

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 67 860 kg
 +
 27 400 kg



			
 m	 α	 m	 kg
12,2	83,1	84,7	38 300
13,0	82,5	84,6	38 100
14,0	81,8	84,5	37 800
15,0	81,1	84,3	37 500
16,0	80,4	84,2	37 200
18,0	79,0	83,8	33 600
20,0	77,6	83,3	28 700
22,0	76,2	82,9	24 800
24,0	74,8	82,3	21 600
26,0	73,3	81,7	18 900
28,0	71,9	81,1	16 700
30,0	70,4	80,4	14 800
32,0	68,9	79,6	13 200
34,0	67,4	78,8	11 800
36,0	65,9	77,9	10 500
38,0	64,4	77,0	9 400
40,0	62,9	76,0	8 400
42,0	61,3	74,9	7 500
44,0	59,7	73,7	6 700
46,0	58,1	72,5	6 000
48,0	56,4	71,2	5 300
50,0	54,7	69,8	4 700
52,0	53,0	68,3	4 100
54,0	51,3	66,7	3 600
56,0	49,5	65,1	3 100
58,0	47,6	63,3	2 700
60,0	45,7	61,3	2 300
62,0	43,7	59,3	1 900

PREFERENCE ONLY!