


Liftcrane Boom Capacities

Boom No. B10:82A
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
360 Degree Rating

MLC250
SERIES 3

 **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. 9914-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 - 61,0	8	4 525	4 525
64,0	8	3 750	3 750
67,1	8	2 700	2 700
70,1	8	2 300	2 300
73,2	8	1 950	1 950
76,2	2	1 900	1 900
79,2	2	#	1 850
82,3	2	#	1 350
85,3	2	#	#
88,4 (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.*

REFERENCE ONLY

Explanation of Symbols



Boom No. B10:82A



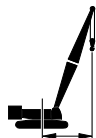
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



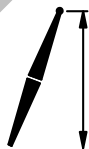
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

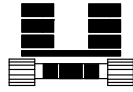
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MLC250 S-3

ASME B30.5



B10



99 610 kg
+
36 290 kg



360°

<p>18,3 m</p>			
 m	 o	 m	 kg
4,6	82,6	20,5	250 000 ¹

1 Note: Special equipment required.

<p>21,3 m</p>			
 m	 o	 m	 kg
4,9	82,8	23,6	226 700 b
5,0	82,5	23,6	219 900 b
5,5	81,1	23,5	198 500 b
6,0	79,7	23,4	183 100 b
7,0	77,0	23,1	158 300 b
8,0	74,2	22,8	139 000
9,0	71,3	22,5	123 900
10,0	68,4	22,1	111 600
11,0	65,5	21,6	101 300
12,0	62,5	21,1	89 600
13,0	59,3	20,5	79 900
14,0	56,1	19,8	72 000
15,0	52,7	19,1	65 400
16,0	49,1	18,2	60 000
18,0	41,3	16,1	50 900
20,0	31,9	13,2	43 800

<p>24,4 m</p>			
 m	 o	 m	 kg
5,2	83,0	26,6	203 300 b
5,5	82,2	26,6	198 100 b
6,0	81,0	26,5	182 700 b
7,0	78,6	26,3	158 000 b
8,0	76,2	26,0	138 700
9,0	73,8	25,7	123 600
10,0	71,3	25,4	111 300
11,0	68,8	25,0	101 000
12,0	66,2	24,5	89 600
13,0	63,5	24,0	79 900
14,0	60,9	23,5	71 900
15,0	58,1	22,8	65 400
16,0	55,2	22,1	60 000
18,0	49,1	20,5	50 900
20,0	42,4	18,4	44 000
22,0	34,5	15,8	38 600
24,0	24,5	12,0	33 000

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99 610 kg
+
36 290 kg



27,4 m

m	°	m	kg
5,8	82,5	29,6	182 500 b
6,0	82,0	29,6	180 500 b
7,0	79,9	29,4	157 700 b
8,0	77,8	29,2	138 400
9,0	75,6	28,9	123 300
10,0	73,4	28,6	111 100
11,0	71,2	28,2	100 800
12,0	69,0	27,9	89 600
13,0	66,7	27,4	79 900
14,0	64,4	26,9	71 900
15,0	62,0	26,4	65 300
16,0	59,6	25,8	59 900
18,0	54,5	24,4	50 800
20,0	49,1	22,8	43 900
22,0	43,2	20,8	38 500
24,0	36,4	18,2	34 100
26,0	28,3	14,9	30 300

30,5 m

m	°	m	kg
6,1	82,7	32,6	174 900 b
7,0	80,9	32,5	157 700 b
8,0	79,0	32,3	138 400
9,0	77,1	32,1	123 300
10,0	75,1	31,8	111 000
11,0	73,2	31,5	100 700
12,0	71,2	31,1	89 700
13,0	69,2	30,7	80 000
14,0	67,1	30,3	72 000
15,0	65,1	29,8	65 400
16,0	62,9	29,3	60 000
18,0	58,6	28,1	50 900
20,0	54,0	26,7	44 000
22,0	49,1	25,1	38 600
24,0	43,8	23,1	34 200
26,0	37,9	20,7	30 500
28,0	31,0	17,6	27 500
30,0	22,2	13,4	24 000

33,5 m

m	°	m	kg
6,7	82,3	35,6	159 200
7,0	81,8	35,6	155 100
8,0	80,0	35,4	138 100
9,0	78,3	35,2	123 000
10,0	76,5	34,9	110 700
11,0	74,8	34,7	100 500
12,0	73,0	34,4	89 600
13,0	71,2	34,0	79 800
14,0	69,3	33,6	71 800
15,0	67,5	33,2	65 300
16,0	65,6	32,7	59 900
18,0	61,7	31,7	50 800
20,0	57,7	30,5	43 900
22,0	53,5	29,1	38 500
24,0	49,1	27,4	34 100
26,0	44,3	25,4	30 400
28,0	39,0	23,1	27 400
30,0	33,1	20,2	24 700
32,0	25,8	16,5	22 400

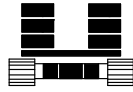
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ASME B30.5



B10



99 610 kg
+
36 290 kg



360°

36,6 m			
m	o	m	kg
6,7	82,9	38,7	147 100
7,0	82,5	38,7	147 100
8,0	80,9	38,5	138 000
9,0	79,3	38,3	122 900
10,0	77,7	38,1	110 600
11,0	76,1	37,8	100 400
12,0	74,4	37,5	89 600
13,0	72,8	37,2	79 800
14,0	71,1	36,9	71 800
15,0	69,5	36,5	65 300
16,0	67,8	36,1	59 800
18,0	64,3	35,2	50 700
20,0	60,7	34,1	43 800
22,0	57,0	32,8	38 500
24,0	53,2	31,4	34 000
26,0	49,1	29,7	30 400
28,0	44,7	27,7	27 400
30,0	40,0	25,5	24 700
32,0	34,7	22,7	22 500
34,0	28,5	19,3	20 500
36,0	20,6	14,7	17 900

39,6 m			
m	o	m	kg
7,3	82,6	41,7	133 800
8,0	81,6	41,6	133 200
9,0	80,1	41,4	122 700
10,0	78,6	41,2	110 400
11,0	77,2	41,0	100 200
12,0	75,7	40,7	89 600
13,0	74,2	40,4	79 800
14,0	72,6	40,1	71 800
15,0	71,1	39,8	65 200
16,0	69,6	39,4	59 800
18,0	66,4	38,5	50 700
20,0	63,2	37,6	43 700
22,0	59,9	36,4	38 400
24,0	56,4	35,1	33 900
26,0	52,8	33,7	30 300
28,0	49,1	32,0	27 300
30,0	45,1	30,1	24 600
32,0	40,7	27,8	22 400
34,0	36,0	25,2	20 400
36,0	30,5	22,0	18 700
38,0	24,0	18,0	16 800

42,7 m			
m	o	m	kg
7,9	82,3	44,7	133 000
8,0	82,2	44,7	132 600
9,0	80,8	44,5	122 600
10,0	79,5	44,3	110 300
11,0	78,1	44,1	100 000
12,0	76,7	43,9	89 500
13,0	75,3	43,6	79 700
14,0	73,9	43,3	71 700
15,0	72,5	43,0	65 100
16,0	71,1	42,6	59 700
18,0	68,2	41,9	50 600
20,0	65,3	41,0	43 700
22,0	62,2	39,9	38 300
24,0	59,1	38,8	33 900
26,0	55,9	37,5	30 200
28,0	52,6	36,0	27 200
30,0	49,1	34,3	24 600
32,0	45,4	32,4	22 300
34,0	41,4	30,2	20 400
36,0	37,0	27,7	18 600
38,0	32,2	24,7	17 100
40,0	26,6	21,0	15 600
42,0	19,4	16,0	13 400

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ASME B30.5



99 610 kg

 +

 36 290 kg



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	115 400
10,0	80,2	47,4	109 700
11,0	78,9	47,2	99 700
12,0	77,6	47,0	89 400
13,0	76,3	46,8	79 600
14,0	75,0	46,5	71 600
15,0	73,7	46,2	65 000
16,0	72,4	45,9	59 500
18,0	69,7	45,1	50 400
20,0	67,0	44,3	43 500
22,0	64,3	43,4	38 100
24,0	61,4	42,3	33 700
26,0	58,5	41,1	30 000
28,0	55,5	39,8	27 000
30,0	52,3	38,3	24 400
32,0	49,1	36,6	22 100
34,0	45,6	34,7	20 100
36,0	41,9	32,5	18 400
38,0	37,9	30,1	16 900
40,0	33,6	27,2	15 500
42,0	28,6	23,8	14 300
44,0	22,6	19,4	12 500

48,8 m

m	o	m	kg
8,5	82,5	50,8	107 000
9,0	82,0	50,7	107 000
10,0	80,8	50,5	106 300
11,0	79,6	50,3	99 600
12,0	78,4	50,1	89 300
13,0	77,2	49,9	79 500
14,0	76,0	49,6	71 500
15,0	74,8	49,4	64 900
16,0	73,5	49,1	59 400
18,0	71,1	48,4	50 300
20,0	68,5	47,6	43 400
22,0	66,0	46,8	38 000
24,0	63,4	45,8	33 600
26,0	60,7	44,7	29 900
28,0	57,9	43,5	26 900
30,0	55,1	42,1	24 200
32,0	52,1	40,6	22 000
34,0	49,1	38,9	20 000
36,0	45,8	37,0	18 300
38,0	42,4	34,9	16 800
40,0	38,7	32,5	15 400
42,0	34,7	29,7	14 200
44,0	30,2	26,5	13 100
46,0	25,0	22,5	11 600
48,0	18,5	17,3	9 800

51,8 m

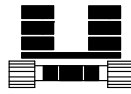
m	o	m	kg
8,5	83,0	53,8	105 100
9,0	82,5	53,8	103 500
10,0	81,3	53,6	100 200
11,0	80,2	53,4	97 000
12,0	79,1	53,2	89 200
13,0	78,0	53,0	79 400
14,0	76,8	52,8	71 400
15,0	75,7	52,5	64 700
16,0	74,5	52,3	59 300
18,0	72,2	51,6	50 200
20,0	69,9	50,9	43 200
22,0	67,5	50,1	37 800
24,0	65,1	49,2	33 400
26,0	62,6	48,2	29 700
28,0	60,0	47,0	26 700
30,0	57,4	45,8	24 100
32,0	54,7	44,4	21 800
34,0	52,0	42,9	19 900
36,0	49,1	41,2	18 200
38,0	46,0	39,3	16 600
40,0	42,8	37,2	15 300
42,0	39,4	34,9	14 000
44,0	35,7	32,2	12 900
46,0	31,6	29,1	11 900
48,0	27,0	25,4	10 700
50,0	21,5	20,8	9 100

MLC250 S-3

ASME B30.5



B10



99 610 kg
+
36 290 kg



360°

54,9 m			
m	o	m	kg
9,1	82,7	56,8	93 600
10,0	81,8	56,7	93 600
11,0	80,8	56,5	92 400
12,0	79,7	56,4	88 100
13,0	78,6	56,2	79 300
14,0	77,6	55,9	71 200
15,0	76,5	55,7	64 600
16,0	75,4	55,4	59 200
18,0	73,2	54,8	50 000
20,0	71,0	54,2	43 100
22,0	68,8	53,4	37 700
24,0	66,5	52,5	33 300
26,0	64,2	51,6	29 600
28,0	61,9	50,6	26 600
30,0	59,5	49,4	24 000
32,0	57,0	48,1	21 700
34,0	54,4	46,7	19 700
36,0	51,8	45,2	18 000
38,0	49,0	43,5	16 500
40,0	46,2	41,6	15 100
42,0	43,2	39,5	13 900
44,0	40,0	37,2	12 800
46,0	36,6	34,6	11 800
48,0	32,8	31,7	10 900
50,0	28,6	28,2	9 800
52,0	23,8	24,0	8 400

57,9 m			
m	o	m	kg
9,8	82,5	59,8	89 300
10,0	82,3	59,8	88 700
11,0	81,3	59,6	86 200
12,0	80,3	59,5	83 700
13,0	79,2	59,3	79 200
14,0	78,2	59,1	71 100
15,0	77,2	58,8	64 500
16,0	76,2	58,6	59 000
18,0	74,2	58,0	49 900
20,0	72,1	57,4	42 900
22,0	70,0	56,7	37 500
24,0	67,8	55,9	33 100
26,0	65,7	55,0	29 400
28,0	63,5	54,0	26 300
30,0	61,2	52,9	23 700
32,0	58,9	51,7	21 500
34,0	56,6	50,4	19 500
36,0	54,1	49,0	17 800
38,0	51,6	47,5	16 300
40,0	49,0	45,8	14 900
42,0	46,3	43,9	13 700
44,0	43,5	41,9	12 600
46,0	40,5	39,6	11 500
48,0	37,3	37,1	10 600
50,0	33,9	34,2	9 800
52,0	30,0	30,9	8 900
54,0	25,7	27,0	7 600
56,0	20,5	22,2	6 300

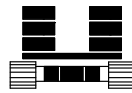
61,0 m			
m	o	m	kg
9,8	82,9	62,9	80 200
10,0	82,7	62,9	80 200
11,0	81,7	62,7	80 200
12,0	80,7	62,6	79 200
13,0	79,8	62,4	76 800
14,0	78,8	62,2	71 000
15,0	77,9	62,0	64 300
16,0	76,9	61,7	58 900
18,0	75,0	61,2	49 700
20,0	73,0	60,6	42 800
22,0	71,0	59,9	37 300
24,0	69,0	59,2	32 900
26,0	67,0	58,3	29 200
28,0	64,9	57,4	26 200
30,0	62,8	56,4	23 600
32,0	60,7	55,3	21 300
34,0	58,5	54,1	19 400
36,0	56,2	52,8	17 600
38,0	53,9	51,3	16 100
40,0	51,5	49,8	14 700
42,0	49,0	48,1	13 500
44,0	46,5	46,2	12 400
46,0	43,8	44,2	11 400
48,0	41,0	41,9	10 500
50,0	38,0	39,5	9 600
52,0	34,8	36,7	8 900
54,0	31,2	33,5	8 000
56,0	27,3	29,9	6 900
58,0	22,8	25,5	5 700

MLC250 S-3

ASME B30.5



B10



99 610 kg
+
36 290 kg



360°

64,0 m			
m	o	m	kg
10,4	82,7	65,9	77 800
11,0	82,1	65,8	77 300
12,0	81,2	65,6	75 400
13,0	80,3	65,5	73 400
14,0	79,4	65,3	70 700
15,0	78,5	65,1	64 200
16,0	77,5	64,8	58 700
18,0	75,7	64,4	49 600
20,0	73,8	63,8	42 600
22,0	72,0	63,1	37 200
24,0	70,1	62,4	32 700
26,0	68,1	61,6	29 000
28,0	66,2	60,8	26 000
30,0	64,2	59,8	23 400
32,0	62,2	58,8	21 100
34,0	60,1	57,7	19 200
36,0	58,0	56,4	17 400
38,0	55,9	55,1	15 900
40,0	53,7	53,7	14 500
42,0	51,4	52,1	13 300
44,0	49,0	50,4	12 200
46,0	46,6	48,5	11 200
48,0	44,1	46,5	10 300
50,0	41,4	44,3	9 400
52,0	38,6	41,9	8 700
54,0	35,6	39,2	7 900
56,0	32,3	36,1	7 100
58,0	28,7	32,6	6 100
60,0	24,6	28,5	5 100
62,0	19,7	23,5	4 000

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	69 300
14,0	79,9	68,4	67 800
15,0	79,0	68,2	64 100
16,0	78,1	68,0	58 600
18,0	76,4	67,5	49 400
20,0	74,6	67,0	42 400
22,0	72,8	66,4	37 000
24,0	71,0	65,7	32 600
26,0	69,2	64,9	28 900
28,0	67,3	64,1	25 800
30,0	65,5	63,2	23 200
32,0	63,6	62,2	20 900
34,0	61,6	61,2	19 000
36,0	59,6	60,0	17 300
38,0	57,6	58,8	15 700
40,0	55,6	57,4	14 400
42,0	53,5	56,0	13 200
44,0	51,3	54,4	12 000
46,0	49,0	52,7	11 000
48,0	46,7	50,8	10 100
50,0	44,3	48,8	9 300
52,0	41,8	46,6	8 500
54,0	39,1	44,2	7 800
56,0	36,3	41,6	7 100
58,0	33,2	38,7	6 300
60,0	29,9	35,3	5 400
62,0	26,2	31,5	4 400
64,0	21,9	26,9	3 500

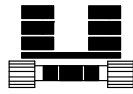
70,1 m			
m	o	m	kg
11,0	82,8	72,0	63 600
12,0	82,0	71,8	63 200
13,0	81,1	71,7	62 600
14,0	80,3	71,5	61 700
15,0	79,5	71,3	61 000
16,0	78,6	71,1	57 600
18,0	77,0	70,6	49 200
20,0	75,3	70,1	42 200
22,0	73,6	69,5	36 800
24,0	71,9	68,9	32 300
26,0	70,1	68,2	28 700
28,0	68,4	67,4	25 600
30,0	66,6	66,6	23 000
32,0	64,8	65,6	20 700
34,0	63,0	64,6	18 800
36,0	61,1	63,5	17 000
38,0	59,2	62,4	15 500
40,0	57,3	61,1	14 100
42,0	55,3	59,7	12 900
44,0	53,3	58,3	11 800
46,0	51,2	56,7	10 800
48,0	49,0	55,0	9 900
50,0	46,8	53,1	9 000
52,0	44,5	51,1	8 200
54,0	42,1	49,0	7 500
56,0	39,6	46,6	6 900
58,0	36,9	44,0	6 200
60,0	34,0	41,2	5 400
62,0	30,9	38,0	4 500
64,0	27,5	34,3	3 600
66,0	23,7	30,0	2 800

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B10



99 610 kg
+
36 290 kg



360°

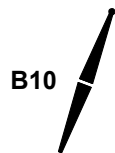
73,2 m			
m	o	m	kg
11,6	82,6	75,0	57 600
12,0	82,3	74,9	57 400
13,0	81,5	74,7	56 800
14,0	80,7	74,6	56 000
15,0	79,9	74,4	55 200
16,0	79,1	74,2	54 400
18,0	77,5	73,8	48 900
20,0	75,9	73,3	42 100
22,0	74,3	72,7	36 600
24,0	72,6	72,1	32 200
26,0	71,0	71,4	28 500
28,0	69,3	70,7	25 400
30,0	67,6	69,9	22 800
32,0	65,9	69,0	20 500
34,0	64,2	68,0	18 600
36,0	62,4	67,0	16 800
38,0	60,6	65,9	15 300
40,0	58,8	64,7	13 900
42,0	56,9	63,4	12 700
44,0	55,0	62,1	11 600
46,0	53,1	60,6	10 600
48,0	51,1	59,0	9 700
50,0	49,0	57,3	8 800
52,0	46,9	55,4	8 100
54,0	44,7	53,5	7 400
56,0	42,4	51,3	6 700
58,0	40,0	49,0	6 100
60,0	37,5	46,5	5 500
62,0	34,8	43,7	4 600
64,0	31,9	40,6	3 800
66,0	28,7	37,1	3 000
68,0	25,2	33,0	2 200

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	49 300
18,0	78,0	76,9	47 800
20,0	76,5	76,4	42 200
22,0	74,9	75,9	36 800
24,0	73,4	75,3	32 300
26,0	71,8	74,7	28 600
28,0	70,2	74,0	25 600
30,0	68,6	73,2	22 900
32,0	66,9	72,3	20 700
34,0	65,3	71,4	18 700
36,0	63,6	70,5	17 000
38,0	61,9	69,4	15 400
40,0	60,2	68,3	14 100
42,0	58,4	67,1	12 900
44,0	56,6	65,8	11 700
46,0	54,8	64,4	10 700
48,0	52,9	62,9	9 800
50,0	51,0	61,3	9 000
52,0	49,0	59,6	8 200
54,0	47,0	57,8	7 500
56,0	44,9	55,8	6 800
58,0	42,7	53,7	6 200
60,0	40,4	51,4	5 600
62,0	38,0	48,9	5 100
64,0	35,4	46,1	4 300
66,0	32,7	43,1	3 500
68,0	29,8	39,7	2 800
70,0	26,5	35,9	2 000

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

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99 610 kg
+
36 290 kg



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	39 700
20,0	77,5	82,7	38 500
22,0	76,1	82,2	36 200
24,0	74,6	81,7	31 900
26,0	73,2	81,1	28 200
28,0	71,7	80,4	25 100
30,0	70,2	79,7	22 500
32,0	68,7	78,9	20 200
34,0	67,2	78,1	18 300
36,0	65,7	77,2	16 500
38,0	64,2	76,3	15 000
40,0	62,6	75,2	13 600
42,0	61,0	74,2	12 400
44,0	59,4	73,0	11 300
46,0	57,8	71,7	10 300
48,0	56,1	70,4	9 400
50,0	54,4	69,0	8 500
52,0	52,6	67,5	7 800
54,0	50,9	65,9	7 000
56,0	49,0	64,2	6 400
58,0	47,1	62,4	5 800
60,0	45,2	60,4	5 200
62,0	43,2	58,3	4 700
64,0	41,1	56,1	4 200
66,0	38,9	53,6	3 400
68,0	36,6	51,0	2 700
70,0	34,2	48,1	2 000

85,3 m			
m	o	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	34 900
22,0	76,6	85,3	33 700
24,0	75,2	84,8	31 500
26,0	73,8	84,3	28 000
28,0	72,4	83,6	25 000
30,0	71,0	83,0	22 300
32,0	69,5	82,2	20 000
34,0	68,1	81,4	18 100
36,0	66,6	80,6	16 400
38,0	65,2	79,7	14 800
40,0	63,7	78,7	13 400
42,0	62,1	77,6	12 200
44,0	60,6	76,5	11 100
46,0	59,1	75,3	10 100
48,0	57,5	74,1	9 200
50,0	55,9	72,7	8 300
52,0	54,2	71,3	7 600
54,0	52,5	69,8	6 800
56,0	50,8	68,2	6 200
58,0	49,0	66,5	5 600
60,0	47,2	64,7	5 000
62,0	45,3	62,7	4 500
64,0	43,4	60,6	4 000
66,0	41,4	58,4	3 400
68,0	39,3	56,0	2 700
70,0	37,1	53,4	2 000

88,4 m			
m	o	m	kg
13,4	82,7	90,1	35 600
14,0	82,3	90,0	35 200
15,0	81,7	89,9	34 600
16,0	81,0	89,7	34 000
18,0	79,7	89,3	32 900
20,0	78,4	88,9	31 800
22,0	77,1	88,5	30 800
24,0	75,7	88,0	29 800
26,0	74,4	87,4	27 800
28,0	73,0	86,8	24 800
30,0	71,7	86,2	22 100
32,0	70,3	85,5	19 800
34,0	68,9	84,7	17 900
36,0	67,5	83,9	16 100
38,0	66,1	83,0	14 600
40,0	64,6	82,1	13 200
42,0	63,2	81,1	12 000
44,0	61,7	80,0	10 900
46,0	60,2	78,9	9 900
48,0	58,7	77,7	9 000
50,0	57,2	76,4	8 100
52,0	55,6	75,1	7 300
54,0	54,0	73,6	6 600
56,0	52,4	72,1	6 000
58,0	50,7	70,5	5 400
60,0	49,0	68,8	4 800
62,0	47,3	67,0	4 200
64,0	45,5	65,0	3 700
66,0	43,6	63,0	3 200
68,0	41,7	60,8	2 600
70,0	39,7	58,4	1 900