

Liftcrane Boom Capacities

Boom No. B60:500

with Mast No. M10:503 or Mast No. M11:503

135 100 kg VPC (Variable Position Counterweight)

360 Degree Rating

**MLC300
VPC-MAX
SERIES 1**



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 6 is 13 600 kg or 27 200 kg with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 16 600 kg or 33 300 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) requires 4 530 kg minimum weight suspended beneath boom point and (c) requires 9 970 kg minimum weight. **Caution: Do not operate in areas indicated by (b) or (c) 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. Refer to Boom Rigging **No. 81023382**, Mast Rigging **No. 81025690** or **No. 84045340**, Wire Rope Specification chart **No. 9434-A**, Counterweight Arrangement **No. 9345-A**, and Wind Conditions chart **No. 9435-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 Specification chart **No. 9436-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 VPC-MAX, 9 700 mm crawlers, 1 219 mm or 1 524 mm treads, 9 144 mm live mast, 30,0 m mast, 10 part boom hoist reeving, boom support straps, and 135 100 kg VPC.

Consult chart **No. 9478-AM** when Jib No. 148 is attached.

Luffing Jib Backstay Deduct	
Boom Length (m)	Deduct (kg)
42,0	1 900
48,0	2 100
54,0	2 400
60,0	2 700
66,0	3 000
72,0	3 200
78,0	3 500
84,0	3 700
90,0	4 000
96,0	4 200
102,0	4 400
108,0	4 700
114,0	5 000
120,0	5 300
Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.	

Deduct From Capacities When Jib No. 148 Is Attached	
Jib Length (m)	Deduct (kg)
12,0	14 300
18,0	17 900
24,0	22 300
30,0	27 100
36,0	34 100
42,0	38 900
Weight of jib and 2 950 kg suspended beneath jib point have been included in determination of deduct.	

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Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) for raising ability with the maximum weight of all load blocks, hooks, weight balls, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight balls, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom length. Counterweight position selection may be changed with boom on ground or while boom is within operating range of capacity chart.

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

Table 1a: With Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (m)	Counterweight Position	
	10,6 m	14,6 m
	Block Weight (kg)	
42,0	10 300	10 300
48,0	10 300	10 300
54,0	10 300	10 300
60,0	10 300	10 300
66,0	10 300	10 300
72,0	7 100	10 300
78,0	3 700	10 300
84,0	#	10 300
90,0	#	7 100
96,0	#	#
102,0	#	#
108,0	Raising Not Permitted	#
114,0		#
120,0		#

Table 1b: With Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (m)	Counterweight Position	
	10,6 m	14,6 m
	Block Weight (kg)	
42,0	10 300	10 300
48,0	10 300	10 300
54,0	10 300	10 300
60,0	10 300	10 300
66,0	10 300	10 300
72,0	7 100	10 300
78,0	3 700	10 300
84,0	#	10 300
90,0	#	7 100
96,0	#	#
102,0	#	#
108,0	Raising Not Permitted	#
114,0		#
120,0		#

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.

Table 2a: Without Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (m)	Counterweight Position	
	10,6 m	14,6 m
	Block Weight (kg)	
42,0	10 300	10 300
48,0	10 300	10 300
54,0	10 300	10 300
60,0	10 300	10 300
66,0	10 300	10 300
72,0	10 300	10 300
78,0	7 100	10 300
84,0	3 700	10 300
90,0	3 700	10 300
96,0	3 700	3 700
102,0	#	#
108,0	Raising Not Permitted	#
114,0		#
120,0		#

Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (m)	Counterweight Position	
	10,6 m	14,6 m
	Block Weight (kg)	
42,0	10 300	10 300
48,0	10 300	10 300
54,0	10 300	10 300
60,0	10 300	10 300
66,0	10 300	10 300
72,0	10 300	10 300
78,0	7 100	10 300
84,0	3 700	10 300
90,0	3 700	10 300
96,0	3 700	3 700
102,0	#	#
108,0	#	#
114,0	#	#
120,0	Raising Not Permitted	#

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. B60:500



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

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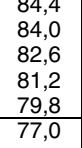
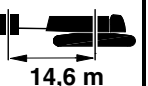
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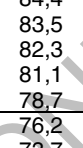
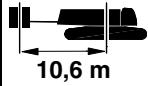


135 100 kg



360°

42,0 m				
				
m	°	m	kg	kg
6,7	84,4	43,9	300 000 c	300 000 c
7,0	84,0	43,8	300 000 c	300 000 c
8,0	82,6	43,7	298 900 b	299 200 b
9,0	81,2	43,5	272 100 b	287 400 b
10,0	79,8	43,3	237 900 b	274 500 b
12,0	77,0	42,9	188 900	270 300
14,0	74,2	42,3	156 000	229 300
16,0	71,3	41,6	132 000	190 600
18,0	68,4	40,8	113 600	162 100
20,0	65,4	39,9	99 200	140 700
22,0	62,3	38,9	87 800	124 100
24,0	59,1	37,7	78 300	110 500
26,0	55,8	36,3	70 300	99 400
28,0	52,4	34,8	63 600	90 200
30,0	48,8	33,1	57 800	82 300
32,0	45,0	31,1	52 700	75 400
34,0	40,9	28,8	48 200	69 600
36,0	36,3	26,2	44 300	64 400
38,0	31,2	23,0	40 800	59 800
40,0	25,2	19,1	37 600	55 700

48,0 m				
				
m	°	m	kg	kg
7,3	84,4	49,8	278 000 b	278 000 b
8,0	83,5	49,8	278 000 b	278 000 b
9,0	82,3	49,6	269 200 b	272 500 b
10,0	81,1	49,4	238 000	260 800
12,0	78,7	49,0	188 900	250 200
14,0	76,2	48,5	155 800	229 500
16,0	73,7	48,0	131 800	190 700
18,0	71,2	47,3	113 300	162 100
20,0	68,7	46,5	98 900	140 600
22,0	66,1	45,6	87 400	123 900
24,0	63,4	44,6	77 900	110 400
26,0	60,6	43,5	69 900	99 200
28,0	57,8	42,2	63 200	90 000
30,0	54,9	40,8	57 300	82 000
32,0	51,9	39,3	52 200	75 200
34,0	48,7	37,5	47 800	69 300
36,0	45,4	35,6	43 900	64 100
38,0	41,9	33,4	40 300	59 500
40,0	38,0	30,9	37 200	55 400
42,0	33,8	28,0	34 300	51 700
44,0	29,1	24,6	31 700	48 400
46,0	23,4	20,3	29 300	45 400

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135 100 kg



360°

54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	251 200 b	251 200 b
8,0	84,3	55,8	251 200 b	251 200 b
9,0	83,2	55,7	251 200	251 200
10,0	82,1	55,5	238 300	247 200
12,0	80,0	55,2	189 100	232 200
14,0	77,8	54,7	156 000	226 800
16,0	75,6	54,2	131 900	190 900
18,0	73,4	53,6	113 400	162 300
20,0	71,1	52,9	99 000	140 800
22,0	68,9	52,2	87 500	124 100
24,0	66,6	51,3	78 000	110 500
26,0	64,2	50,3	69 900	99 300
28,0	61,8	49,3	63 200	90 100
30,0	59,3	48,1	57 400	82 100
32,0	56,8	46,8	52 300	75 300
34,0	54,2	45,3	47 900	69 400
36,0	51,5	43,8	43 900	64 200
38,0	48,7	42,0	40 400	59 600
40,0	45,7	40,1	37 200	55 500
42,0	42,6	38,0	34 400	51 800
44,0	39,3	35,6	31 800	48 500
46,0	35,7	32,8	29 400	45 500
48,0	31,8	29,7	27 200	42 700
50,0	27,3	26,0	25 200	40 200
52,0	22,0	21,4	23 400	37 900

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	226 800	226 800
8,0	84,8	61,9	226 800	226 800
9,0	83,9	61,7	226 800	226 800
10,0	82,9	61,6	226 800	226 800
12,0	81,0	61,3	188 600	216 000
14,0	79,0	60,9	155 400	212 400
16,0	77,1	60,4	131 300	190 600
18,0	75,1	59,9	112 800	162 000
20,0	73,1	59,3	98 300	140 400
22,0	71,1	58,6	86 800	123 700
24,0	69,0	57,8	77 200	110 100
26,0	67,0	57,0	69 200	98 800
28,0	64,9	56,0	62 500	89 600
30,0	62,7	55,0	56 600	81 700
32,0	60,5	53,9	51 500	74 800
34,0	58,3	52,7	47 100	68 900
36,0	56,0	51,3	43 200	63 700
38,0	53,6	49,8	39 600	59 100
40,0	51,2	48,2	36 500	55 000
42,0	48,6	46,5	33 600	51 300
44,0	46,0	44,6	31 000	48 000
46,0	43,2	42,5	28 700	45 000
48,0	40,3	40,2	26 500	42 200
50,0	37,2	37,6	24 500	39 700
52,0	33,8	34,7	22 700	37 400
54,0	30,1	31,3	20 900	35 200
56,0	25,9	27,4	19 300	33 200
58,0	20,8	22,5	17 800	31 400

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135 100 kg



360°

66,0 m				
m	°	m	kg	kg
8,5	84,8	67,8	204 100	204 100
9,0	84,4	67,8	204 100	204 100
10,0	83,6	67,6	204 100	204 100
12,0	81,8	67,3	188 600	203 000
14,0	80,0	67,0	155 400	195 800
16,0	78,3	66,6	131 200	187 000
18,0	76,5	66,1	112 700	162 000
20,0	74,7	65,5	98 200	140 400
22,0	72,9	64,9	86 700	123 700
24,0	71,0	64,2	77 100	110 000
26,0	69,2	63,5	69 000	98 800
28,0	67,3	62,6	62 300	89 500
30,0	65,4	61,7	56 500	81 600
32,0	63,4	60,7	51 400	74 700
34,0	61,5	59,6	46 900	68 800
36,0	59,4	58,5	43 000	63 600
38,0	57,4	57,2	39 500	59 000
40,0	55,3	55,8	36 300	54 900
42,0	53,1	54,3	33 500	51 200
44,0	50,9	52,7	30 900	47 900
46,0	48,6	50,9	28 500	44 900
48,0	46,2	49,0	26 400	42 100
50,0	43,7	47,0	24 400	39 600
52,0	41,0	44,7	22 500	37 300
54,0	38,3	42,2	20 800	35 200
56,0	35,3	39,4	19 200	33 200
58,0	32,1	36,3	17 800	31 400
60,0	28,6	32,8	16 400	29 700
62,0	24,5	28,6	15 100	28 000
64,0	19,7	23,4	13 800	26 500

72,0 m				
m	°	m	kg	kg
9,1	84,8	73,8	176 900	176 900
10,0	84,1	73,7	176 900	176 900
12,0	82,5	73,4	176 900	176 900
14,0	80,9	73,1	166 200	176 900
16,0	79,3	72,7	140 400	174 900
18,0	77,6	72,3	120 600	160 600
20,0	76,0	71,8	105 100	139 800
22,0	74,3	71,2	92 800	123 100
24,0	72,7	70,6	82 600	109 400
26,0	71,0	69,9	74 000	98 200
28,0	69,3	69,1	66 900	88 900
30,0	67,6	68,3	60 600	81 000
32,0	65,8	67,4	55 200	74 100
34,0	64,1	66,4	50 400	68 200
36,0	62,3	65,4	46 200	63 000
38,0	60,4	64,3	42 500	58 300
40,0	58,6	63,0	39 100	54 200
42,0	56,7	61,7	36 100	50 600
44,0	54,7	60,3	33 300	47 200
46,0	52,7	58,8	30 800	44 200
48,0	50,7	57,2	28 500	41 500
50,0	48,5	55,4	26 400	38 900
52,0	46,4	53,5	24 400	36 600
54,0	44,1	51,5	22 600	34 500
56,0	41,7	49,3	21 000	32 500
58,0	39,2	46,8	19 400	30 700
60,0	36,6	44,2	17 900	29 000
62,0	33,7	41,3	16 500	27 400
64,0	30,7	38,0	15 300	25 900
66,0	27,3	34,2	14 000	24 500
68,0	23,5	29,8	12 900	23 200
70,0	18,9	24,4	11 800	21 900

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135 100 kg



360°

78,0 m				
m	°	m	kg	kg
9,8	84,7	79,7	147 300	147 300
10,0	84,6	79,7	147 300	147 300
12,0	83,1	79,5	147 300	147 300
14,0	81,6	79,2	147 300	147 300
16,0	80,1	78,8	139 500	147 300
18,0	78,6	78,4	120 300	147 300
20,0	77,1	78,0	104 800	139 700
22,0	75,6	77,4	92 500	122 900
24,0	74,0	76,9	82 300	109 300
26,0	72,5	76,2	73 700	98 000
28,0	71,0	75,6	66 500	88 700
30,0	69,4	74,8	60 200	80 700
32,0	67,8	74,0	54 700	73 800
34,0	66,2	73,1	50 000	67 900
36,0	64,6	72,2	45 800	62 700
38,0	62,9	71,1	42 000	58 100
40,0	61,2	70,0	38 700	54 000
42,0	59,5	68,9	35 600	50 300
44,0	57,8	67,6	32 900	46 900
46,0	56,0	66,3	30 400	43 900
48,0	54,2	64,8	28 100	41 200
50,0	52,4	63,3	26 000	38 700
52,0	50,5	61,7	24 000	36 400
54,0	48,5	59,9	22 200	34 200
56,0	46,5	58,0	20 500	32 300
58,0	44,4	56,0	19 000	30 400
60,0	42,2	53,8	17 500	28 700
62,0	40,0	51,4	16 200	27 100
64,0	37,6	48,9	14 900	25 600
66,0	35,0	46,1	13 700	24 300
68,0	32,3	43,0	12 500	22 900
70,0	29,4	39,5	11 500	21 700
72,0	26,2	35,6	10 400	20 500
74,0	22,5	31,0	9 500	19 400
76,0	18,1	25,4	8 500	18 300

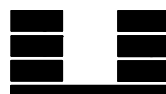
84,0 m				
m	°	m	kg	kg
10,4	84,7	85,7	125 100	125 100
12,0	83,6	85,5	125 100	125 100
14,0	82,2	85,3	125 100	125 100
16,0	80,8	84,9	125 100	125 100
18,0	79,4	84,6	125 100	125 100
20,0	78,0	84,1	111 000	125 100
22,0	76,6	83,7	97 200	121 000
24,0	75,2	83,1	85 900	108 600
26,0	73,8	82,5	76 700	97 300
28,0	72,4	81,9	69 100	88 000
30,0	70,9	81,2	62 500	80 000
32,0	69,5	80,5	56 800	73 100
34,0	68,0	79,7	52 000	67 200
36,0	66,5	78,8	47 700	62 000
38,0	65,0	77,9	43 900	57 300
40,0	63,5	76,9	40 500	53 200
42,0	61,9	75,8	37 500	49 500
44,0	60,4	74,7	34 700	46 200
46,0	58,8	73,4	32 300	43 200
48,0	57,2	72,2	30 000	40 400
50,0	55,5	70,8	27 900	37 900
52,0	53,8	69,3	25 800	35 600
54,0	52,1	67,8	23 900	33 500
56,0	50,3	66,1	22 200	31 500
58,0	48,5	64,4	20 500	29 700
60,0	46,6	62,5	19 000	28 000
62,0	44,7	60,5	17 500	26 400
64,0	42,7	58,3	16 200	24 900
66,0	40,6	56,0	14 900	23 500
68,0	38,4	53,5	13 700	22 200
70,0	36,1	50,8	12 600	21 000
72,0	33,7	47,9	11 500	19 800
74,0	31,1	44,7	10 500	18 700
76,0	28,3	41,0	9 500	17 700
78,0	25,2	36,9	8 600	16 700
80,0	21,7	32,2	7 700	15 700
82,0	17,4	26,3	6 800	14 800

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135 100 kg



360°

90,0 m				
m	°	m	kg	kg
11,0	84,7	91,7	104 900	104 900
12,0	84,0	91,6	104 900	104 900
14,0	82,7	91,3	104 900	104 900
16,0	81,4	91,0	104 900	104 900
18,0	80,1	90,7	104 900	104 900
20,0	78,8	90,3	104 400	104 900
22,0	77,5	89,8	97 100	104 900
24,0	76,2	89,3	85 900	104 900
26,0	74,9	88,8	76 600	97 200
28,0	73,6	88,2	68 900	87 900
30,0	72,2	87,6	62 400	79 900
32,0	70,9	86,9	56 700	73 000
34,0	69,5	86,1	51 900	67 100
36,0	68,2	85,3	47 600	61 900
38,0	66,8	84,5	43 800	57 200
40,0	65,4	83,6	40 400	53 100
42,0	64,0	82,6	37 400	49 400
44,0	62,5	81,5	34 600	46 100
46,0	61,1	80,4	32 100	43 100
48,0	59,6	79,3	29 900	40 300
50,0	58,1	78,0	27 700	37 800
52,0	56,6	76,7	25 700	35 500
54,0	55,0	75,3	23 700	33 400
56,0	53,4	73,8	22 000	31 400
58,0	51,8	72,3	20 300	29 600
60,0	50,2	70,6	18 800	27 900
62,0	48,5	68,8	17 400	26 300
64,0	46,7	67,0	16 000	24 800
66,0	44,9	65,0	14 700	23 400
68,0	43,1	62,9	13 500	22 100
70,0	41,2	60,6	12 400	20 900
72,0	39,2	58,2	11 300	19 700
74,0	37,1	55,6	10 300	18 600
76,0	34,9	52,7	9 400	17 600
78,0	32,5	49,7	8 500	16 600
80,0	30,0	46,3	7 600	15 700
82,0	27,3	42,5	6 800	14 800
84,0	24,3	38,2	5 900	13 900
86,0	20,9	33,3	5 200	13 100
88,0	16,8	27,2		12 300

96,0 m				
m	°	m	kg	kg
11,0	85,0	97,7	90 400	90 400
12,0	84,4	97,6	90 400	90 400
14,0	83,2	97,4	90 400	90 400
16,0	82,0	97,1	90 400	90 400
18,0	80,8	96,8	90 400	90 400
20,0	79,6	96,4	90 400	90 400
22,0	78,3	96,0	90 400	90 400
24,0	77,1	95,5	85 000	90 400
26,0	75,9	95,0	75 900	90 400
28,0	74,6	94,5	68 300	87 200
30,0	73,4	93,9	61 700	79 200
32,0	72,1	93,2	56 000	72 300
34,0	70,9	92,5	51 200	66 400
36,0	69,6	91,8	46 900	61 200
38,0	68,3	91,0	43 100	56 500
40,0	67,0	90,1	39 700	52 400
42,0	65,7	89,2	36 700	48 700
44,0	64,4	88,3	33 900	45 400
46,0	63,1	87,3	31 400	42 300
48,0	61,7	86,2	28 900	39 600
50,0	60,3	85,1	26 700	37 100
52,0	58,9	83,9	24 600	34 700
54,0	57,5	82,6	22 700	32 600
56,0	56,1	81,2	20 900	30 700
58,0	54,6	79,8	19 300	28 800
60,0	53,1	78,3	17 800	27 100
62,0	51,6	76,8	16 300	25 500
64,0	50,1	75,1	15 000	24 000
66,0	48,5	73,3	13 700	22 700
68,0	46,8	71,5	12 500	21 400
70,0	45,2	69,5	11 400	20 100
72,0	43,4	67,4	10 300	19 000
74,0	41,6	65,2	9 300	17 900
76,0	39,8	62,8	8 400	16 800
78,0	37,9	60,2	7 400	15 900
80,0	35,8	57,5	6 600	14 900
82,0	33,7	54,6	5 700	14 000
84,0	31,4	51,3		13 200
86,0	29,0	47,8		12 400
88,0	26,4	43,9		11 600
90,0	23,5	39,5		10 800
92,0	20,2	34,3		10 100
94,0	16,3	28,0		9 400

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B60



135 100 kg



360°

102,0 m				
m	°	m	kg	kg
11,6	85,0	103,7	76 200	76 200
12,0	84,7	103,6	76 200	76 200
14,0	83,6	103,4	76 200	76 200
16,0	82,4	103,1	76 200	76 200
18,0	81,3	102,8	76 200	76 200
20,0	80,2	102,5	76 200	76 200
22,0	79,0	102,1	76 200	76 200
24,0	77,9	101,7	76 200	76 200
26,0	76,7	101,2	75 700	76 200
28,0	75,6	100,7	68 000	76 200
30,0	74,4	100,1	61 500	76 200
32,0	73,2	99,5	55 800	72 100
34,0	72,0	98,9	50 900	66 100
36,0	70,9	98,2	46 600	60 900
38,0	69,7	97,4	42 800	56 200
40,0	68,4	96,6	39 400	52 100
42,0	67,2	95,8	36 400	48 500
44,0	66,0	94,9	33 600	45 100
46,0	64,8	94,0	31 000	42 100
48,0	63,5	93,0	28 600	39 300
50,0	62,2	91,9	26 300	36 800
52,0	60,9	90,8	24 300	34 500
54,0	59,6	89,6	22 400	32 400
56,0	58,3	88,4	20 600	30 400
58,0	57,0	87,1	18 900	28 600
60,0	55,6	85,7	17 400	26 900
62,0	54,2	84,3	16 000	25 300
64,0	52,8	82,8	14 600	23 800
66,0	51,4	81,2	13 400	22 400
68,0	49,9	79,5	12 200	21 100
70,0	48,4	77,8	11 100	19 900
72,0	46,9	75,9	10 000	18 700
74,0	45,3	73,9	9 000	17 700
76,0	43,7	71,9	8 000	16 600
78,0	42,0	69,7	7 100	15 600
80,0	40,3	67,3	6 300	14 700
82,0	38,5	64,8	5 500	13 800
84,0	36,6	62,2		13 000
86,0	34,7	59,3		12 200
88,0	32,6	56,3		11 400
90,0	30,4	52,9		10 700
92,0	28,1	49,3		10 000
94,0	25,6	45,2		9 300
96,0	22,7	40,6		8 600
98,0	19,5	35,3		8 000

108,0 m				
m	°	m	kg	kg
12,2	84,9	109,7	66 800	66 800
14,0	83,9	109,5	66 800	66 800
16,0	82,9	109,2	66 800	66 800
18,0	81,8	108,9	66 800	66 800
20,0	80,7	108,6	66 800	66 800
22,0	79,6	108,2	66 800	66 800
24,0	78,6	107,8	66 800	66 800
26,0	77,5	107,4	66 800	66 800
28,0	76,4	106,9	65 800	66 800
30,0	75,3	106,4	60 800	66 800
32,0	74,2	105,8	55 100	66 700
34,0	73,1	105,2	50 200	64 100
36,0	72,0	104,5	45 900	60 200
38,0	70,8	103,8	42 100	55 500
40,0	69,7	103,1	38 700	51 400
42,0	68,6	102,3	35 600	47 700
44,0	67,4	101,5	32 600	44 400
46,0	66,3	100,6	30 000	41 400
48,0	65,1	99,7	27 500	38 600
50,0	63,9	98,7	25 300	36 100
52,0	62,7	97,7	23 200	33 800
54,0	61,5	96,6	21 300	31 600
56,0	60,3	95,4	19 600	29 700
58,0	59,0	94,2	17 900	27 800
60,0	57,8	93,0	16 400	26 100
62,0	56,5	91,7	14 900	24 600
64,0	55,2	90,3	13 600	23 100
66,0	53,9	88,8	12 300	21 700
68,0	52,6	87,3	11 200	20 400
70,0	51,2	85,7	10 000	19 200
72,0	49,8	84,0	9 000	18 000
74,0	48,4	82,2	8 000	16 900
76,0	47,0	80,4	7 000	15 900
78,0	45,5	78,4	6 100	14 900
80,0	44,0	76,4	5 300	14 000
82,0	42,4	74,2		13 100
84,0	40,8	71,9		12 300
86,0	39,1	69,5		11 500
88,0	37,4	66,9		10 700
90,0	35,6	64,1		10 000
92,0	33,7	61,1		9 300
94,0	31,7	58,0		8 600
96,0	29,6	54,5		7 900
98,0	27,3	50,7		7 300
100,0	24,8	46,5		6 700
102,0	22,1	41,8		6 100
104,0	19,0	36,3		5 600

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B60



135 100 kg



360°

114,0 m				
m	°	m	kg	kg
13,7	84,4	115,5	58 600	58 600
14,0	84,3	115,5	58 600	58 600
16,0	83,2	115,3	58 600	58 600
18,0	82,2	115,0	58 600	58 600
20,0	81,2	114,7	58 600	58 600
22,0	80,2	114,3	58 600	58 600
24,0	79,2	113,9	58 600	58 600
26,0	78,1	113,5	58 500	58 500
28,0	77,1	113,1	58 500	58 500
30,0	76,1	112,6	58 400	58 400
32,0	75,0	112,0	54 800	58 200
34,0	74,0	111,5	50 000	57 700
36,0	72,9	110,8	45 600	56 900
38,0	71,9	110,2	41 800	55 100
40,0	70,8	109,5	38 400	51 100
42,0	69,7	108,8	35 100	47 400
44,0	68,7	108,0	32 200	44 100
46,0	67,6	107,1	29 500	41 100
48,0	66,5	106,3	27 100	38 300
50,0	65,4	105,4	24 900	35 800
52,0	64,3	104,4	22 800	33 500
54,0	63,1	103,4	20 900	31 400
56,0	62,0	102,3	19 100	29 400
58,0	60,8	101,2	17 500	27 500
60,0	59,7	100,0	16 000	25 900
62,0	58,5	98,8	14 500	24 300
64,0	57,3	97,5	13 200	22 800
66,0	56,1	96,2	11 900	21 400
68,0	54,9	94,8	10 700	20 100
70,0	53,6	93,3	9 600	18 900
72,0	52,4	91,8	8 600	17 700
74,0	51,1	90,2	7 600	16 600
76,0	49,8	88,5	6 600	15 600
78,0	48,4	86,7	5 700	14 600
80,0	47,0	84,9	4 900	13 700
82,0	45,6	82,9		12 800
84,0	44,2	80,9		12 000
86,0	42,7	78,7		11 200
88,0	41,2	76,5		10 400
90,0	39,6	74,1		9 700
92,0	38,0	71,5		9 000
94,0	36,3	68,8		8 300
96,0	34,6	66,0		7 700
98,0	32,7	62,9		7 100
100,0	30,8	59,6		6 500
102,0	28,7	56,0		5 900
104,0	26,5	52,1		5 300

120,0 m				
m	°	m	kg	kg
13,7	84,7	121,6	51 400	51 400
14,0	84,5	121,5	51 400	51 400
16,0	83,6	121,3	51 400	51 400
18,0	82,6	121,0	51 400	51 400
20,0	81,7	120,8	51 400	51 400
22,0	80,7	120,4	51 400	51 400
24,0	79,7	120,1	51 400	51 400
26,0	78,7	119,7	51 300	51 300
28,0	77,8	119,2	51 300	51 300
30,0	76,8	118,8	51 200	51 200
32,0	75,8	118,2	51 100	51 100
34,0	74,8	117,7	49 200	50 800
36,0	73,8	117,1	44 900	50 300
38,0	72,8	116,5	40 900	49 900
40,0	71,8	115,8	37 300	48 800
42,0	70,8	115,2	34 100	46 500
44,0	69,8	114,4	31 100	43 300
46,0	68,8	113,6	28 500	40 300
48,0	67,7	112,8	26 000	37 500
50,0	66,7	112,0	23 800	35 000
52,0	65,6	111,1	21 700	32 700
54,0	64,6	110,1	19 800	30 600
56,0	63,5	109,1	18 100	28 600
58,0	62,4	108,1	16 400	26 800
60,0	61,4	107,0	14 900	25 100
62,0	60,3	105,8	13 400	23 500
64,0	59,1	104,6	12 100	22 000
66,0	58,0	103,4	10 800	20 600
68,0	56,9	102,1	9 700	19 300
70,0	55,7	100,7	8 500	18 100
72,0	54,6	99,3	7 500	16 900
74,0	53,4	97,8	6 500	15 800
76,0	52,2	96,3	5 500	14 800
78,0	50,9	94,7		13 800
80,0	49,7	93,0		12 900
82,0	48,4	91,2		12 000
84,0	47,1	89,3		11 200
86,0	45,8	87,4		10 400
88,0	44,4	85,4		9 600
90,0	43,0	83,3		8 900
92,0	41,6	81,0		8 200
94,0	40,1	78,7		7 500
96,0	38,6	76,2		6 900
98,0	37,0	73,5		6 300
100,0	35,4	70,8		5 700
102,0	33,7	67,8		5 100