

# Liftcrane Boom Capacities


Boom No. B60:500

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

175 100 kg VPC (Variable Position Counterweight)

360 Degree Rating

## MLC300 VPC-MAX 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 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, (c) requires 9 970 kg minimum weight, and (d) requires 13 600 kg minimum weight. **Caution: Do not operate in areas indicated by (b), (c), or (d) 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 175 100 kg VPC.

Consult chart **No. 9477-AM** when Jib No. 148 is attached.

<b>Luffing Jib Backstay Deduct</b>	
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.	

<b>Deduct From Capacities When Jib No. 148 Is Attached</b>	
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 1: 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	10 300	10 300
78,0	10 300	10 300
84,0	7 100	10 300
90,0	3 700	10 300
96,0	#	#
102,0	#	#
108,0	#	#
114,0	#	#
120,0	Raising Not Permitted	

**Table 2: 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	10 300	10 300
84,0	10 300	10 300
90,0	7 100	10 300
96,0	3 700	3 700
102,0	#	#
108,0	#	#
114,0	#	#
120,0	#	#

Explanation of Symbols



Boom No. B60:500



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



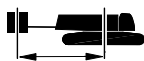
Operating Radius  
(see page 1)



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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360°

42,0 m				
m	°	m	kg	kg
6,7	84,4	43,9	300 000 d	300 000d
7,0	84,0	43,8	300 000 d	300 000d
8,0	82,6	43,7	300 000 c	300 000c
9,0	81,2	43,5	295 800 c	295 800c
10,0	79,8	43,3	283 200 b	283 200b
12,0	77,0	42,9	233 700 b	259 300b
14,0	74,2	42,3	193 600 b	255 700b
16,0	71,3	41,6	164 400	234 200
18,0	68,4	40,8	142 000	199 600
20,0	65,4	39,9	124 600	173 600
22,0	62,3	38,9	110 700	153 400
24,0	59,1	37,7	99 100	137 000
26,0	55,8	36,3	89 400	123 500
28,0	52,4	34,8	81 200	112 300
30,0	48,8	33,1	74 200	102 800
32,0	45,0	31,1	68 000	94 500
34,0	40,9	28,8	62 600	87 400
36,0	36,3	26,2	57 900	81 100
38,0	31,2	23,0	53 600	75 500
40,0	25,2	19,1	49 700	70 500

48,0 m				
m	°	m	kg	kg
7,3	84,4	49,8	278 000 c	278 000c
8,0	83,5	49,8	278 000 c	278 000c
9,0	82,3	49,6	278 000 b	278 000b
10,0	81,1	49,4	269 100 b	269 100b
12,0	78,7	49,0	233 700 b	247 600b
14,0	76,2	48,5	193 500	236 000
16,0	73,7	48,0	164 300	227 600
18,0	71,2	47,3	141 800	199 600
20,0	68,7	46,5	124 300	173 500
22,0	66,1	45,6	110 300	153 300
24,0	63,4	44,6	98 700	136 900
26,0	60,6	43,5	89 000	123 300
28,0	57,8	42,2	80 900	112 100
30,0	54,9	40,8	73 800	102 500
32,0	51,9	39,3	67 600	94 200
34,0	48,7	37,5	62 200	87 100
36,0	45,4	35,6	57 400	80 800
38,0	41,9	33,4	53 200	75 200
40,0	38,0	30,9	49 300	70 300
42,0	33,8	28,0	45 900	65 800
44,0	29,1	24,6	42 700	61 800
46,0	23,4	20,3	39 800	58 100

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175 100 kg



360°

54,0 m				
m	°	m	10,6 m kg	14,6 m kg
7,3	85,0	55,9	251 200 c	251 200c
8,0	84,3	55,8	251 200 c	251 200c
9,0	83,2	55,7	251 200 b	251 200b
10,0	82,1	55,5	251 200 b	251 200b
12,0	80,0	55,2	232 500	235 800
14,0	77,8	54,7	193 700	221 300
16,0	75,6	54,2	164 400	220 300
18,0	73,4	53,6	141 900	199 800
20,0	71,1	52,9	124 400	173 700
22,0	68,9	52,2	110 400	153 500
24,0	66,6	51,3	98 800	137 000
26,0	64,2	50,3	89 100	123 400
28,0	61,8	49,3	80 900	112 200
30,0	59,3	48,1	73 800	102 600
32,0	56,8	46,8	67 600	94 300
34,0	54,2	45,3	62 300	87 200
36,0	51,5	43,8	57 500	80 900
38,0	48,7	42,0	53 200	75 300
40,0	45,7	40,1	49 400	70 400
42,0	42,6	38,0	45 900	65 900
44,0	39,3	35,6	42 800	61 900
46,0	35,7	32,8	39 900	58 200
48,0	31,8	29,7	37 300	54 900
50,0	27,3	26,0	34 900	51 900
52,0	22,0	21,4	32 600	49 000

60,0 m				
m	°	m	10,6 m kg	14,6 m kg
7,9	84,9	61,8	226 800 c	226 800c
8,0	84,8	61,9	226 800 c	226 800c
9,0	83,9	61,7	226 800 b	226 800b
10,0	82,9	61,6	226 800 b	226 800b
12,0	81,0	61,3	222 800	222 800
14,0	79,0	60,9	193 100	207 900
16,0	77,1	60,4	163 800	199 300
18,0	75,1	59,9	141 300	195 700
20,0	73,1	59,3	123 700	173 300
22,0	71,1	58,6	109 700	153 100
24,0	69,0	57,8	98 100	136 600
26,0	67,0	57,0	88 300	123 000
28,0	64,9	56,0	80 200	111 800
30,0	62,7	55,0	73 100	102 100
32,0	60,5	53,9	66 900	93 800
34,0	58,3	52,7	61 500	86 700
36,0	56,0	51,3	56 700	80 400
38,0	53,6	49,8	52 500	74 800
40,0	51,2	48,2	48 600	69 900
42,0	48,6	46,5	45 200	65 400
44,0	46,0	44,6	42 000	61 400
46,0	43,2	42,5	39 200	57 700
48,0	40,3	40,2	36 600	54 400
50,0	37,2	37,6	34 200	51 400
52,0	33,8	34,7	31 900	48 600
54,0	30,1	31,3	29 900	46 000
56,0	25,9	27,4	27 900	43 600
58,0	20,8	22,5	26 100	41 300

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175 100 kg



66,0 m				
m	°	m	10,6 m kg	14,6 m kg
8,5	84,8	67,8	204 100 b	204 100b
9,0	84,4	67,8	204 100 b	204 100b
10,0	83,6	67,6	204 100 b	204 100b
12,0	81,8	67,3	204 100	204 100
14,0	80,0	67,0	193 100	197 000
16,0	78,3	66,6	163 700	186 700
18,0	76,5	66,1	141 200	183 900
20,0	74,7	65,5	123 600	173 300
22,0	72,9	64,9	109 600	153 000
24,0	71,0	64,2	98 000	136 500
26,0	69,2	63,5	88 200	122 900
28,0	67,3	62,6	80 000	111 700
30,0	65,4	61,7	72 900	102 100
32,0	63,4	60,7	66 700	93 800
34,0	61,5	59,6	61 400	86 600
36,0	59,4	58,5	56 600	80 300
38,0	57,4	57,2	52 300	74 700
40,0	55,3	55,8	48 500	69 800
42,0	53,1	54,3	45 000	65 300
44,0	50,9	52,7	41 900	61 300
46,0	48,6	50,9	39 000	57 700
48,0	46,2	49,0	36 400	54 300
50,0	43,7	47,0	34 000	51 300
52,0	41,0	44,7	31 800	48 500
54,0	38,3	42,2	29 700	45 900
56,0	35,3	39,4	27 800	43 500
58,0	32,1	36,3	26 000	41 300
60,0	28,6	32,8	24 400	39 300
62,0	24,5	28,6	22 800	37 300
64,0	19,7	23,4	21 300	35 500

72,0 m				
m	°	m	10,6 m kg	14,6 m kg
9,1	84,8	73,8	176 900 b	176 900b
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	176 900	176 900
16,0	79,3	72,7	169 700	173 900
18,0	77,6	72,3	149 100	169 400
20,0	76,0	71,8	130 600	164 800
22,0	74,3	71,2	115 800	152 500
24,0	72,7	70,6	103 500	135 900
26,0	71,0	69,9	93 200	122 300
28,0	69,3	69,1	84 600	111 100
30,0	67,6	68,3	77 100	101 400
32,0	65,8	67,4	70 500	93 100
34,0	64,1	66,4	64 900	86 000
36,0	62,3	65,4	59 800	79 700
38,0	60,4	64,3	55 300	74 100
40,0	58,6	63,0	51 300	69 100
42,0	56,7	61,7	47 700	64 700
44,0	54,7	60,3	44 300	60 600
46,0	52,7	58,8	41 300	57 000
48,0	50,7	57,2	38 600	53 700
50,0	48,5	55,4	36 100	50 600
52,0	46,4	53,5	33 700	47 800
54,0	44,1	51,5	31 600	45 300
56,0	41,7	49,3	29 500	42 900
58,0	39,2	46,8	27 700	40 600
60,0	36,6	44,2	25 900	38 600
62,0	33,7	41,3	24 300	36 700
64,0	30,7	38,0	22 700	34 900
66,0	27,3	34,2	21 300	33 200
68,0	23,5	29,8	19 900	31 600
70,0	18,9	24,4	18 600	30 100

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175 100 kg



360°

78,0 m				
m	°	m	10,6 m kg	14,6 m 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	147 300	147 300
18,0	78,6	78,4	146 000	147 300
20,0	77,1	78,0	130 300	147 300
22,0	75,6	77,4	115 500	146 100
24,0	74,0	76,9	103 200	135 700
26,0	72,5	76,2	92 800	122 100
28,0	71,0	75,6	84 200	110 800
30,0	69,4	74,8	76 700	101 200
32,0	67,8	74,0	70 100	92 900
34,0	66,2	73,1	64 500	85 700
36,0	64,6	72,2	59 400	79 400
38,0	62,9	71,1	54 900	73 800
40,0	61,2	70,0	50 900	68 800
42,0	59,5	68,9	47 200	64 400
44,0	57,8	67,6	43 900	60 300
46,0	56,0	66,3	40 900	56 700
48,0	54,2	64,8	38 200	53 400
50,0	52,4	63,3	35 600	50 300
52,0	50,5	61,7	33 300	47 500
54,0	48,5	59,9	31 100	45 000
56,0	46,5	58,0	29 100	42 600
58,0	44,4	56,0	27 300	40 400
60,0	42,2	53,8	25 500	38 300
62,0	40,0	51,4	23 900	36 400
64,0	37,6	48,9	22 400	34 600
66,0	35,0	46,1	20 900	32 900
68,0	32,3	43,0	19 600	31 400
70,0	29,4	39,5	18 300	29 900
72,0	26,2	35,6	17 100	28 500
74,0	22,5	31,0	15 900	27 100
76,0	18,1	25,4	14 800	25 800

84,0 m				
m	°	m	10,6 m kg	14,6 m 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	125 000	125 100
22,0	76,6	83,7	120 000	125 100
24,0	75,2	83,1	106 500	125 100
26,0	73,8	82,5	95 400	121 400
28,0	72,4	81,9	86 300	110 200
30,0	70,9	81,2	78 400	100 500
32,0	69,5	80,5	71 600	92 100
34,0	68,0	79,7	65 800	85 000
36,0	66,5	78,8	60 700	78 700
38,0	65,0	77,9	56 100	73 100
40,0	63,5	76,9	52 100	68 100
42,0	61,9	75,8	48 500	63 600
44,0	60,4	74,7	45 200	59 600
46,0	58,8	73,4	42 200	56 000
48,0	57,2	72,2	39 500	52 600
50,0	55,5	70,8	37 000	49 600
52,0	53,8	69,3	34 700	46 800
54,0	52,1	67,8	32 700	44 200
56,0	50,3	66,1	30 700	41 900
58,0	48,5	64,4	28 800	39 600
60,0	46,6	62,5	27 000	37 600
62,0	44,7	60,5	25 300	35 700
64,0	42,7	58,3	23 700	33 900
66,0	40,6	56,0	22 200	32 200
68,0	38,4	53,5	20 800	30 600
70,0	36,1	50,8	19 400	29 100
72,0	33,7	47,9	18 100	27 700
74,0	31,1	44,7	16 900	26 400
76,0	28,3	41,0	15 800	25 200
78,0	25,2	36,9	14 700	24 000
80,0	21,7	32,2	13 600	22 800
82,0	17,4	26,3	12 600	21 700



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175 100 kg



360°

90,0 m				
m	°	m	10,6 m kg	14,6 m 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	104 900	104 900
22,0	77,5	89,8	104 900	104 900
24,0	76,2	89,3	104 200	104 900
26,0	74,9	88,8	95 300	104 800
28,0	73,6	88,2	86 200	103 500
30,0	72,2	87,6	78 300	99 500
32,0	70,9	86,9	71 500	92 000
34,0	69,5	86,1	65 700	84 900
36,0	68,2	85,3	60 600	78 600
38,0	66,8	84,5	56 000	72 900
40,0	65,4	83,6	52 000	68 000
42,0	64,0	82,6	48 300	63 500
44,0	62,5	81,5	45 000	59 500
46,0	61,1	80,4	42 100	55 800
48,0	59,6	79,3	39 400	52 500
50,0	58,1	78,0	36 900	49 500
52,0	56,6	76,7	34 600	46 700
54,0	55,0	75,3	32 500	44 100
56,0	53,4	73,8	30 600	41 700
58,0	51,8	72,3	28 600	39 500
60,0	50,2	70,6	26 800	37 500
62,0	48,5	68,8	25 100	35 600
64,0	46,7	67,0	23 500	33 800
66,0	44,9	65,0	22 000	32 100
68,0	43,1	62,9	20 600	30 500
70,0	41,2	60,6	19 300	29 000
72,0	39,2	58,2	18 000	27 600
74,0	37,1	55,6	16 800	26 300
76,0	34,9	52,7	15 700	25 100
78,0	32,5	49,7	14 600	23 900
80,0	30,0	46,3	13 600	22 800
82,0	27,3	42,5	12 600	21 700
84,0	24,3	38,2	11 600	20 600
86,0	20,9	33,3	10 700	19 700
88,0	16,8	27,2	9 800	18 700

96,0 m				
m	°	m	10,6 m kg	14,6 m 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	90 400	90 400
26,0	75,9	95,0	90 300	90 400
28,0	74,6	94,5	85 500	90 400
30,0	73,4	93,9	77 700	90 400
32,0	72,1	93,2	70 800	90 400
34,0	70,9	92,5	65 000	84 200
36,0	69,6	91,8	59 900	77 900
38,0	68,3	91,0	55 300	72 200
40,0	67,0	90,1	51 200	67 300
42,0	65,7	89,2	47 600	62 800
44,0	64,4	88,3	44 300	58 800
46,0	63,1	87,3	41 300	55 100
48,0	61,7	86,2	38 600	51 800
50,0	60,3	85,1	36 200	48 700
52,0	58,9	83,9	33 900	45 900
54,0	57,5	82,6	31 600	43 400
56,0	56,1	81,2	29 500	41 000
58,0	54,6	79,8	27 600	38 800
60,0	53,1	78,3	25 800	36 700
62,0	51,6	76,8	24 100	34 800
64,0	50,1	75,1	22 500	33 000
66,0	48,5	73,3	21 000	31 300
68,0	46,8	71,5	19 600	29 800
70,0	45,2	69,5	18 200	28 300
72,0	43,4	67,4	17 000	26 900
74,0	41,6	65,2	15 800	25 600
76,0	39,8	62,8	14 600	24 300
78,0	37,9	60,2	13 600	23 100
80,0	35,8	57,5	12 500	22 000
82,0	33,7	54,6	11 600	20 900
84,0	31,4	51,3	10 600	19 900
86,0	29,0	47,8	9 700	19 000
88,0	26,4	43,9	8 900	18 000
90,0	23,5	39,5	8 000	17 100
92,0	20,2	34,3	7 300	16 300
94,0	16,3	28,0	6 500	15 400

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B60



175 100 kg



360°

102,0 m				
m	°	m	10,6 m kg	14,6 m 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	76 200	76 200
28,0	75,6	100,7	76 200	76 200
30,0	74,4	100,1	75 800	76 200
32,0	73,2	99,5	70 600	76 200
34,0	72,0	98,9	64 800	75 600
36,0	70,9	98,2	59 600	74 600
38,0	69,7	97,4	55 000	71 900
40,0	68,4	96,6	51 000	67 000
42,0	67,2	95,8	47 400	62 500
44,0	66,0	94,9	44 100	58 500
46,0	64,8	94,0	41 100	54 900
48,0	63,5	93,0	38 400	51 500
50,0	62,2	91,9	35 900	48 500
52,0	60,9	90,8	33 600	45 700
54,0	59,6	89,6	31 300	43 100
56,0	58,3	88,4	29 200	40 700
58,0	57,0	87,1	27 200	38 500
60,0	55,6	85,7	25 400	36 500
62,0	54,2	84,3	23 700	34 600
64,0	52,8	82,8	22 100	32 800
66,0	51,4	81,2	20 600	31 100
68,0	49,9	79,5	19 200	29 500
70,0	48,4	77,8	17 900	28 100
72,0	46,9	75,9	16 600	26 700
74,0	45,3	73,9	15 500	25 400
76,0	43,7	71,9	14 300	24 100
78,0	42,0	69,7	13 300	22 900
80,0	40,3	67,3	12 200	21 800
82,0	38,5	64,8	11 300	20 700
84,0	36,6	62,2	10 300	19 700
86,0	34,7	59,3	9 500	18 800
88,0	32,6	56,3	8 600	17 800
90,0	30,4	52,9	7 800	16 900
92,0	28,1	49,3	7 000	16 100
94,0	25,6	45,2	6 300	15 300
96,0	22,7	40,6	5 500	14 500
98,0	19,5	35,3		13 700

108,0 m				
m	°	m	10,6 m kg	14,6 m 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	66 800	66 800
30,0	75,3	106,4	66 800	66 800
32,0	74,2	105,8	66 700	66 700
34,0	73,1	105,2	63 700	64 300
36,0	72,0	104,5	58 900	62 100
38,0	70,8	103,8	54 300	59 900
40,0	69,7	103,1	50 300	57 900
42,0	68,6	102,3	46 600	55 900
44,0	67,4	101,5	43 300	54 100
46,0	66,3	100,6	40 400	52 300
48,0	65,1	99,7	37 600	50 400
50,0	63,9	98,7	35 000	47 800
52,0	62,7	97,7	32 500	45 000
54,0	61,5	96,6	30 300	42 400
56,0	60,3	95,4	28 200	40 000
58,0	59,0	94,2	26 200	37 800
60,0	57,8	93,0	24 400	35 700
62,0	56,5	91,7	22 700	33 800
64,0	55,2	90,3	21 100	32 000
66,0	53,9	88,8	19 600	30 400
68,0	52,6	87,3	18 200	28 800
70,0	51,2	85,7	16 900	27 300
72,0	49,8	84,0	15 600	25 900
74,0	48,4	82,2	14 400	24 600
76,0	47,0	80,4	13 300	23 400
78,0	45,5	78,4	12 200	22 200
80,0	44,0	76,4	11 200	21 100
82,0	42,4	74,2	10 300	20 000
84,0	40,8	71,9	9 300	19 000
86,0	39,1	69,5	8 500	18 000
88,0	37,4	66,9	7 600	17 100
90,0	35,6	64,1	6 800	16 200
92,0	33,7	61,1	6 000	15 400
94,0	31,7	58,0	5 300	14 600
96,0	29,6	54,5	4 600	13 800
98,0	27,3	50,7		13 100
100,0	24,8	46,5		12 300
102,0	22,1	41,8		11 700
104,0	19,0	36,3		11 000

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B60



175 100 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	58 200	58 200
34,0	74,0	111,5	57 700	57 700
36,0	72,9	110,8	56 900	56 900
38,0	71,9	110,2	54 000	55 200
40,0	70,8	109,5	50 000	53 400
42,0	69,7	108,8	46 400	51 600
44,0	68,7	108,0	43 100	50 000
46,0	67,6	107,1	40 100	48 400
48,0	66,5	106,3	37 200	46 900
50,0	65,4	105,4	34 600	45 400
52,0	64,3	104,4	32 100	44 000
54,0	63,1	103,4	29 900	42 100
56,0	62,0	102,3	27 800	39 700
58,0	60,8	101,2	25 800	37 500
60,0	59,7	100,0	24 000	35 500
62,0	58,5	98,8	22 300	33 500
64,0	57,3	97,5	20 700	31 800
66,0	56,1	96,2	19 200	30 100
68,0	54,9	94,8	17 800	28 500
70,0	53,6	93,3	16 500	27 000
72,0	52,4	91,8	15 200	25 600
74,0	51,1	90,2	14 000	24 300
76,0	49,8	88,5	12 900	23 100
78,0	48,4	86,7	11 800	21 900
80,0	47,0	84,9	10 800	20 800
82,0	45,6	82,9	9 900	19 700
84,0	44,2	80,9	9 000	18 700
86,0	42,7	78,7	8 100	17 800
88,0	41,2	76,5	7 200	16 800
90,0	39,6	74,1	6 400	16 000
92,0	38,0	71,5	5 700	15 100
94,0	36,3	68,8	4 900	14 300
96,0	34,6	66,0		13 500
98,0	32,7	62,9		12 800
100,0	30,8	59,6		12 100
102,0	28,7	56,0		11 400
104,0	26,5	52,1		10 700
108,0	21,5	42,9		9 500

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	50 800	50 800
36,0	73,8	117,1	50 300	50 300
38,0	72,8	116,5	49 900	49 900
40,0	71,8	115,8	48 600	48 800
42,0	70,8	115,2	45 600	47 200
44,0	69,8	114,4	42 200	45 800
46,0	68,8	113,6	39 000	44 300
48,0	67,7	112,8	36 100	43 000
50,0	66,7	112,0	33 500	41 700
52,0	65,6	111,1	31 000	40 400
54,0	64,6	110,1	28 800	39 200
56,0	63,5	109,1	26 700	38 000
58,0	62,4	108,1	24 700	36 700
60,0	61,4	107,0	22 900	34 700
62,0	60,3	105,8	21 200	32 800
64,0	59,1	104,6	19 600	31 000
66,0	58,0	103,4	18 100	29 300
68,0	56,9	102,1	16 700	27 700
70,0	55,7	100,7	15 400	26 200
72,0	54,6	99,3	14 100	24 900
74,0	53,4	97,8	13 000	23 500
76,0	52,2	96,3	11 800	22 300
78,0	50,9	94,7	10 800	21 100
80,0	49,7	93,0	9 800	20 000
82,0	48,4	91,2	8 800	18 900
84,0	47,1	89,3	7 900	17 900
86,0	45,8	87,4	7 000	17 000
88,0	44,4	85,4	6 200	16 000
90,0	43,0	83,3	5 400	15 200
92,0	41,6	81,0		14 300
94,0	40,1	78,7		13 500
96,0	38,6	76,2		12 800
98,0	37,0	73,5		12 000
100,0	35,4	70,8		11 300
102,0	33,7	67,8		10 600
104,0	31,9	64,6		10 000
108,0	28,0	57,5		8 700
112,0	23,5	49,0		7 600
116,0	18,0	38,2		6 500