

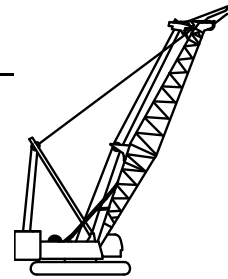
Liftcrane Boom Capacities

Boom No. 74

55 110 kg Crane Counterweight

16 010 kg Carbody Counterweight

360 Degree Rating



**MLC165
SERIES 2**



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Boom Backward Stability: A minimum of 4 parts hoist line is required for capacities denoted by (b), (c), and (d) for boom lengths 15,0 m thru 30,0 m. Capacities indicated by (b) require 1 360 kg minimum weight, (c) requires 3 400 kg minimum weight, and (d) requires 6 800 kg minimum weight.

Caution: Do not operate in areas indicated by (b), (c), or (d) without required minimum weights. Boom will not boom down and boom hoist wire rope may go slack causing wire rope damage or failure.

Upper boom point capacity for liftcrane service with single part whip line is 12 500 kg or 25 000 kg with two part whip line. When boom butt mounted auxiliary drum 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.

63,0 m thru 84,0 m boom lengths require only the middle three sheaves in lower boom point. All other sheaves must be removed from lower boom point.

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

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface. Refer to Boom Rigging **No. 81019793** or **No. 83004083**, Wire Rope Specification chart **No. 9292-A**, and Wind Conditions chart **No. 9289-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 Operator's 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. 9290-A**.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

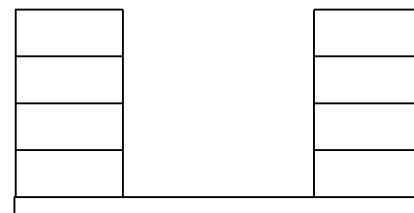


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 7 986 mm crawlers, 1 100 mm treads, 7 200 mm live mast, 18 part boom hoist reeving, four 28 mm boom pendants, 55 110 kg crane counterweight, and two 8 005 kg carbody counterweights.



55 110 kg Crane Counterweight
8 Side Boxes

WARNING: Free fall operation is limited to 5 900 kg per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power must be used for full line pull.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
9,1 m	1 800 kg
12,2 m	2 100 kg
15,2 m	2 500 kg
18,3 m	2 900 kg
21,3 m	3 200 kg
24,4 m	3 600 kg

Upper Boom Point Deduct

Deduct 600 kg from capacities when upper boom point, and adapter frame if equipped, is attached.

Lower Boom Point Sheave Deduct

Deduct 300 kg from capacities for boom lengths 45,0 m thru 60,0 m when lower boom point is equipped with outer sheave clusters.

Auxiliary Drum Deduct

Deduct 900 kg from capacities when boom butt is equipped with auxiliary drum, and 6,0 m insert is equipped with wire rope guide sheaves.

Third Line Deduct

Deduct 200 kg from capacities when boom is equipped for three line operation.

Refer to **Tables 1 and 2** for raising ability with the maximum weight of all load blocks, hooks, weight balls, slings, and hoist lines beneath lower and/or upper boom point and jib point sheaves. For block weights shown with #, a, or b, load blocks, hooks, weight balls, and slings must remain on ground until combined weights are within rated capacity of chart. For block weights shown with (a), auxiliary drum mounted in boom butt, wire rope guide sheaves in 6,0 m insert, and boom lights must be removed. For block weights shown with (b), upper boom point must be removed. Raising is not permitted in shaded areas of table.

Caution: Combined weight beneath lower and/or upper boom point and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 1 815 kg.

Table 1

Raising Ability Over End or Side of Crawlers							
Boom Length (m)	Fixed Jib No. 134						
	—	9,1 m	12,2 m	15,2 m	18,3 m	21,3 m	24,4 m
	Block Weight (kg)						
15,0 - 24,0	3 500	—	—	—	—	—	—
27,0 - 42,0	3 500	3 500	3 500	3 500	3 500	3 500	3 500
45,0	3 500	3 500	3 500	3 500	3 500	3 500	2 650
48,0	3 500	3 500	3 500	3 500	3 500	2 650	2 650
51,0	3 500	3 500	3 500	2 650	2 650	750	750
54,0	3 500	2 650	2 650	750	750	750	750
57,0	3 500	750	750	750	750	750	750
60,0	2 650	750	750	750	750	750	#
63,0	750	750	750	#	#	#	#
66,0	750	#	#	#	#	#	#
69,0	750	#	a				
72,0	#						
75,0	b						
78,0	a, b						
81,0 - 84,0							
RAISING NOT PERMITTED							

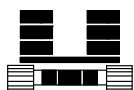
Table 2

Raising Ability Over Front of Blocked Crawlers							
Boom Length (m)	Fixed Jib No. 134						
	—	9,1 m	12,2 m	15,2 m	18,3 m	21,3 m	24,4 m
	Block Weight (kg)						
15,0 - 24,0	3 500	—	—	—	—	—	—
27,0 - 42,0	3 500	3 500	3 500	3 500	3 500	3 500	3 500
45,0	3 500	3 500	3 500	3 500	3 500	3 500	2 650
48,0	3 500	3 500	3 500	3 500	3 500	2 650	2 650
51,0	3 500	3 500	3 500	2 650	2 650	750	750
54,0	3 500	2 650	2 650	750	750	750	750
57,0	3 500	750	750	750	750	750	750
60,0	2 650	750	750	750	750	750	#
63,0	750	750	750	#	#	#	#
66,0	750	#	#	#	#	#	#
69,0	750	#	#	#	#	#	#
72,0	#	#	#	#	a		
75,0	#	#	a				
78,0	#						
81,0	b						
84,0	a, b						
RAISING NOT PERMITTED							
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius and crane configuration is within 360 degree chart.							

Explanation of Symbols



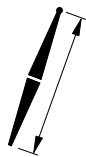
Boom No. 74



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



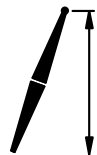
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)



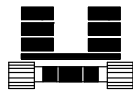
55 110 kg
+
16 010 kg



15,0 m			
m	o	m	kg
4,3	81,7	16,8	165 000 *d
4,5	80,8	16,8	165 000 *d
5,0	78,8	16,7	151 400 *d
5,5	76,8	16,5	138 000 *d
6,0	74,9	16,4	126 700 *d
7,0	70,8	16,0	108 800 *c
8,0	66,6	15,6	95 000 b
9,0	62,3	15,0	79 000
10,0	57,8	14,4	67 400
11,0	53,0	13,6	58 600
12,0	47,8	12,7	51 700
13,0	42,1	11,6	46 200
14,0	35,7	10,3	41 600
15,0	27,9	8,5	37 700

18,0 m			
m	o	m	kg
4,9	81,1	19,8	153 200 *d
5,0	80,7	19,7	150 400 *d
5,5	79,1	19,6	138 000 *c
6,0	77,5	19,5	126 700 *c
7,0	74,1	19,2	108 800 *c
8,0	70,8	18,9	95 000 b
9,0	67,3	18,4	79 200
10,0	63,7	17,9	67 600
11,0	60,1	17,3	58 800
12,0	56,2	16,7	52 000
13,0	52,2	15,9	46 400
14,0	47,9	15,0	41 900
15,0	43,3	13,9	38 000
16,0	38,1	12,7	34 800
18,0	25,2	9,1	29 500

21,0 m			
m	o	m	kg
5,2	81,6	22,8	142 900 *d
5,5	80,7	22,7	137 800 *c
6,0	79,3	22,6	126 400 *c
7,0	76,5	22,3	108 500 *c
8,0	73,6	22,0	94 700 b
9,0	70,7	21,7	79 200
10,0	67,8	21,3	67 600
11,0	64,7	20,8	58 800
12,0	61,6	20,2	51 900
13,0	58,4	19,6	46 400
14,0	55,1	18,9	41 900
15,0	51,6	18,1	38 000
16,0	47,9	17,2	34 800
18,0	39,8	15,0	29 600
20,0	29,7	11,9	25 500



55 110 kg
+
16 010 kg



24,0 m			
m	o	m	kg
5,8	81,1	25,7	130 800 *c
6,0	80,6	25,7	126 400 *c
7,0	78,2	25,4	108 400 *c
8,0	75,7	25,2	94 600 b
9,0	73,2	24,9	79 300
10,0	70,7	24,5	67 600
11,0	68,1	24,1	58 800
12,0	65,5	23,6	51 900
13,0	62,8	23,1	46 400
14,0	60,0	22,5	41 900
15,0	57,2	21,9	38 000
16,0	54,2	21,2	34 800
18,0	48,0	19,5	29 600
20,0	40,9	17,3	25 600
22,0	32,6	14,5	22 400
24,0	21,5	10,2	19 700

27,0 m			
m	o	m	kg
6,1	81,5	28,7	123 600 *c
7,0	79,5	28,5	108 400 *b
8,0	77,4	28,3	94 500 b
9,0	75,2	28,0	79 400
10,0	72,9	27,7	67 600
11,0	70,7	27,3	58 800
12,0	68,4	26,9	52 000
13,0	66,1	26,5	46 400
14,0	63,7	26,0	41 900
15,0	61,3	25,4	38 100
16,0	58,8	24,8	34 800
18,0	53,6	23,4	29 700
20,0	48,0	21,7	25 600
22,0	41,8	19,6	22 500
24,0	34,7	16,9	19 800
26,0	25,9	13,3	17 700

30,0 m			
m	o	m	kg
6,7	81,2	31,6	112 800 *b
7,0	80,6	31,6	108 300 *b
8,0	78,6	31,4	94 400 b
9,0	76,7	31,1	79 400
10,0	74,7	30,8	67 600
11,0	72,7	30,5	58 800
12,0	70,7	30,2	51 900
13,0	68,6	29,8	46 400
14,0	66,5	29,3	41 800
15,0	64,4	28,8	38 000
16,0	62,2	28,3	34 800
18,0	57,8	27,1	29 600
20,0	53,1	25,7	25 600
22,0	48,0	23,9	22 400
24,0	42,5	21,9	19 800
26,0	36,3	19,3	17 700
28,0	29,0	16,0	15 800
30,0	19,1	11,2	14 200



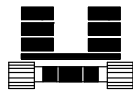
55 110 kg
+
16 010 kg



33,0 m			
m	o	m	kg
7,3	80,9	34,6	103 100 *b
8,0	79,7	34,4	94 300 b
9,0	77,9	34,2	79 400
10,0	76,1	34,0	67 600
11,0	74,3	33,7	58 800
12,0	72,5	33,4	51 900
13,0	70,7	33,0	46 400
14,0	68,8	32,6	41 800
15,0	66,9	32,2	38 000
16,0	65,0	31,7	34 800
18,0	61,0	30,6	29 600
20,0	56,9	29,4	25 600
22,0	52,6	27,9	22 400
24,0	48,0	26,2	19 900
26,0	43,1	24,1	17 700
28,0	37,6	21,7	15 900
30,0	31,2	18,6	14 400
32,0	23,3	14,5	13 000

36,0 m			
m	o	m	kg
7,3	81,7	37,6	96 700 *b
8,0	80,6	37,5	93 200 b
9,0	78,9	37,3	79 500
10,0	77,3	37,1	67 500
11,0	75,7	36,8	58 700
12,0	74,0	36,5	51 800
13,0	72,3	36,2	46 300
14,0	70,6	35,8	41 700
15,0	68,9	35,4	37 900
16,0	67,2	35,0	34 700
18,0	63,7	34,0	29 500
20,0	60,0	32,9	25 500
22,0	56,2	31,6	22 300
24,0	52,3	30,1	19 700
26,0	48,0	28,4	17 600
28,0	43,5	26,4	15 800
30,0	38,6	24,0	14 300
32,0	33,0	21,1	12 900
34,0	26,3	17,4	11 700

39,0 m			
m	o	m	kg
7,9	81,4	40,5	88 400 *
8,0	81,3	40,5	88 100
9,0	79,8	40,3	79 900
10,0	78,3	40,1	67 500
11,0	76,8	39,9	58 700
12,0	75,3	39,6	51 800
13,0	73,7	39,3	46 200
14,0	72,2	39,0	41 600
15,0	70,6	38,7	37 800
16,0	69,1	38,3	34 600
18,0	65,9	37,4	29 400
20,0	62,6	36,4	25 400
22,0	59,2	35,2	22 200
24,0	55,6	33,9	19 700
26,0	51,9	32,4	17 600
28,0	48,0	30,6	15 700
30,0	43,9	28,6	14 200
32,0	39,4	26,3	12 800
34,0	34,4	23,5	11 700
36,0	28,6	20,1	10 600
38,0	21,3	15,6	9 700



55 110 kg
+
16 010 kg



42,0 m			
m	o	m	kg
8,5	81,2	43,5	82 100 *
9,0	80,5	43,4	78 400
10,0	79,1	43,2	67 400
11,0	77,8	43,0	58 600
12,0	76,3	42,7	51 700
13,0	74,9	42,5	46 100
14,0	73,5	42,2	41 500
15,0	72,1	41,8	37 700
16,0	70,6	41,5	34 400
18,0	67,7	40,7	29 200
20,0	64,7	39,8	25 300
22,0	61,6	38,7	22 100
24,0	58,4	37,5	19 500
26,0	55,1	36,2	17 400
28,0	51,7	34,6	15 600
30,0	48,1	32,9	14 100
32,0	44,2	30,9	12 700
34,0	40,1	28,6	11 600
36,0	35,5	25,9	10 500
38,0	30,4	22,7	9 600
40,0	24,2	18,7	8 800

45,0 m			
m	o	m	kg
9,1	81,0	46,4	74 900 *
10,0	79,9	46,3	67 800
11,0	78,6	46,1	58 700
12,0	77,3	45,8	51 800
13,0	76,0	45,6	46 200
14,0	74,6	45,3	41 700
15,0	73,3	45,0	37 800
16,0	72,0	44,7	34 600
18,0	69,3	43,9	29 400
20,0	66,5	43,1	25 400
22,0	63,7	42,1	22 200
24,0	60,8	41,0	19 700
26,0	57,8	39,8	17 600
28,0	54,7	38,4	15 700
30,0	51,5	36,9	14 200
32,0	48,1	35,1	12 900
34,0	44,5	33,1	11 700
36,0	40,7	30,9	10 700
38,0	36,5	28,3	9 800
40,0	31,9	25,3	9 000
42,0	26,5	21,5	8 200
44,0	19,8	16,7	7 500

48,0 m			
m	o	m	kg
9,1	81,6	49,5	71 000 *
10,0	80,5	49,3	67 700
11,0	79,3	49,1	58 700
12,0	78,1	48,9	51 700
13,0	76,9	48,7	46 100
14,0	75,6	48,4	41 500
15,0	74,4	48,1	37 800
16,0	73,1	47,8	34 500
18,0	70,6	47,1	29 300
20,0	68,0	46,4	25 300
22,0	65,4	45,5	22 100
24,0	62,8	44,4	19 500
26,0	60,0	43,3	17 400
28,0	57,2	42,1	15 600
30,0	54,3	40,7	14 100
32,0	51,2	39,1	12 700
34,0	48,1	37,3	11 600
36,0	44,7	35,4	10 600
38,0	41,2	33,2	9 700
40,0	37,3	30,7	8 800
42,0	33,1	27,7	8 100
44,0	28,3	24,3	7 500
46,0	22,6	19,9	6 800



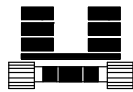
55 110 kg
+
16 010 kg



51,0 m			
m	o	m	kg
9,8	81,4	52,4	65 500 *
10,0	81,1	52,4	64 900
11,0	79,9	52,2	58 600
12,0	78,8	52,0	51 600
13,0	77,6	51,8	46 000
14,0	76,5	51,5	41 400
15,0	75,3	51,2	37 600
16,0	74,2	51,0	34 300
18,0	71,8	50,3	29 200
20,0	69,4	49,6	25 100
22,0	67,0	48,8	22 000
24,0	64,5	47,8	19 400
26,0	62,0	46,8	17 300
28,0	59,4	45,6	15 500
30,0	56,7	44,3	14 000
32,0	53,9	42,9	12 700
34,0	51,1	41,3	11 500
36,0	48,1	39,6	10 500
38,0	44,9	37,6	9 600
40,0	41,6	35,4	8 700
42,0	38,1	33,0	8 000
44,0	34,2	30,2	7 300
46,0	29,8	26,9	6 700
48,0	24,8	22,9	6 200
50,0	18,5	17,6	5 700

54,0 m			
m	o	m	kg
10,4	81,2	55,3	60 000 *
11,0	80,5	55,2	58 600
12,0	79,4	55,0	51 500
13,0	78,3	54,8	45 900
14,0	77,3	54,6	41 400
15,0	76,2	54,4	37 500
16,0	75,1	54,1	34 200
18,0	72,8	53,5	29 000
20,0	70,6	52,8	25 000
22,0	68,3	52,0	21 800
24,0	66,0	51,1	19 300
26,0	63,7	50,2	17 100
28,0	61,2	49,1	15 300
30,0	58,8	47,9	13 800
32,0	56,2	46,6	12 500
34,0	53,6	45,2	11 300
36,0	50,9	43,6	10 300
38,0	48,1	41,8	9 400
40,0	45,1	39,9	8 600
42,0	42,0	37,7	7 900
44,0	38,7	35,3	7 200
46,0	35,1	32,6	6 600
48,0	31,1	29,4	6 100
50,0	26,6	25,7	5 500
52,0	21,2	21,0	5 000

57,0 m			
m	o	m	kg
10,4	81,7	58,4	56 800 *
11,0	81,0	58,3	55 600
12,0	80,0	58,1	51 700
13,0	79,0	57,9	45 800
14,0	77,9	57,7	41 200
15,0	76,9	57,5	37 400
16,0	75,9	57,2	34 100
18,0	73,8	56,6	28 900
20,0	71,7	56,0	24 900
22,0	69,5	55,2	21 700
24,0	67,4	54,4	19 200
26,0	65,1	53,5	17 100
28,0	62,9	52,5	15 200
30,0	60,6	51,4	13 700
32,0	58,2	50,2	12 400
34,0	55,8	48,9	11 200
36,0	53,3	47,4	10 200
38,0	50,8	45,8	9 300
40,0	48,1	44,1	8 500
42,0	45,3	42,1	7 800
44,0	42,4	40,0	7 100
46,0	39,2	37,6	6 500
48,0	35,9	34,9	6 000
50,0	32,2	31,9	5 500
52,0	28,2	28,4	5 000
54,0	23,4	24,1	4 500
56,0	17,5	18,5	4 100



55 110 kg
+
16 010 kg



60,0 m			
m	o	m	kg
11,0	81,5	61,3	50 300 *
12,0	80,5	61,2	49 200 *
13,0	79,5	61,0	45 900
14,0	78,6	60,8	41 100
15,0	77,6	60,5	37 300
16,0	76,6	60,3	34 000
18,0	74,6	59,8	28 800
20,0	72,6	59,1	24 800
22,0	70,6	58,5	21 600
24,0	68,5	57,7	19 000
26,0	66,5	56,8	16 900
28,0	64,4	55,9	15 100
30,0	62,2	54,8	13 600
32,0	60,0	53,7	12 200
34,0	57,8	52,5	11 100
36,0	55,5	51,1	10 100
38,0	53,1	49,7	9 200
40,0	50,6	48,0	8 300
42,0	48,1	46,3	7 600
44,0	45,4	44,4	7 000
46,0	42,7	42,3	6 400
48,0	39,7	39,9	5 800
50,0	36,6	37,3	5 300
52,0	33,2	34,4	4 900
54,0	29,5	31,0	4 400
56,0	25,2	27,0	4 000
58,0	20,1	22,1	3 600

63,0 m			
m	o	m	kg
11,6	81,3	64,3	44 200 *
12,0	81,0	64,2	43 800 *
13,0	80,0	64,0	42 900 *
14,0	79,1	63,8	41 000
15,0	78,2	63,6	37 200
16,0	77,2	63,4	33 900
18,0	75,4	62,9	28 700
20,0	73,5	62,3	24 600
22,0	71,6	61,6	21 500
24,0	69,6	60,9	18 900
26,0	67,7	60,1	16 800
28,0	65,7	59,2	15 000
30,0	63,6	58,2	13 400
32,0	61,6	57,2	12 100
34,0	59,5	56,0	10 900
36,0	57,3	54,8	9 900
38,0	55,1	53,4	9 000
40,0	52,9	51,9	8 200
42,0	50,5	50,3	7 500
44,0	48,1	48,5	6 800
46,0	45,6	46,6	6 200
48,0	42,9	44,5	5 700
50,0	40,2	42,2	5 200
52,0	37,2	39,7	4 700
54,0	34,1	36,8	4 300
56,0	30,6	33,6	3 900
58,0	26,7	29,8	3 500
60,0	22,2	25,3	3 200

66,0 m			
m	o	m	kg
12,2	81,2	67,2	39 200 *
13,0	80,5	67,1	38 500 *
14,0	79,6	66,9	37 700 *
15,0	78,7	66,7	36 700
16,0	77,8	66,5	34 300
18,0	76,0	66,0	28 500
20,0	74,2	65,4	24 500
22,0	72,4	64,8	21 300
24,0	70,6	64,1	18 800
26,0	68,7	63,3	16 600
28,0	66,8	62,5	14 800
30,0	64,9	61,6	13 300
32,0	63,0	60,6	11 900
34,0	61,0	59,5	10 800
36,0	59,0	58,3	9 800
38,0	56,9	57,0	8 800
40,0	54,8	55,6	8 100
42,0	52,7	54,1	7 300
44,0	50,4	52,5	6 700
46,0	48,1	50,8	6 000
48,0	45,7	48,9	5 500
50,0	43,2	46,8	5 000
52,0	40,6	44,5	4 500
54,0	37,8	42,0	4 100
56,0	34,8	39,2	3 700
58,0	31,6	36,1	3 300
60,0	28,0	32,5	3 000
62,0	24,0	28,3	2 700
64,0	19,1	23,1	2 400



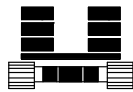
55 110 kg
+
16 010 kg



69,0 m			
m	o	m	kg
12,2	81,6	70,2	35 000 *
13,0	80,9	70,1	34 400 *
14,0	80,1	69,9	33 700 *
15,0	79,2	69,7	33 000 *
16,0	78,4	69,5	32 200
18,0	76,7	69,1	28 600
20,0	74,9	68,5	24 400
22,0	73,2	68,0	21 200
24,0	71,5	67,3	18 600
26,0	69,7	66,6	16 500
28,0	67,9	65,8	14 700
30,0	66,1	64,9	13 200
32,0	64,3	63,9	11 800
34,0	62,4	62,9	10 700
36,0	60,5	61,8	9 600
38,0	58,6	60,6	8 700
40,0	56,6	59,3	7 900
42,0	54,5	57,9	7 200
44,0	52,5	56,4	6 500
46,0	50,3	54,8	5 900
48,0	48,1	53,0	5 400
50,0	45,8	51,1	4 900
52,0	43,4	49,0	4 400
54,0	40,9	46,8	4 000
56,0	38,3	44,3	3 600
58,0	35,5	41,6	3 200
60,0	32,5	38,6	2 900
62,0	29,2	35,1	2 600
64,0	25,5	31,2	2 300
66,0	21,2	26,4	2 000

72,0 m			
m	o	m	kg
12,8	81,4	73,2	34 000 *
13,0	81,3	73,2	33 900 *
14,0	80,5	73,0	33 300 *
15,0	79,7	72,8	32 800 *
16,0	78,9	72,6	32 000
18,0	77,2	72,2	28 500
20,0	75,6	71,7	24 200
22,0	73,9	71,1	21 000
24,0	72,3	70,5	18 400
26,0	70,6	69,8	16 300
28,0	68,9	69,0	14 400
30,0	67,2	68,2	12 900
32,0	65,4	67,3	11 600
34,0	63,6	66,3	10 400
36,0	61,8	65,2	9 400
38,0	60,0	64,1	8 500
40,0	58,1	62,9	7 700
42,0	56,2	61,6	6 900
44,0	54,3	60,2	6 300
46,0	52,3	58,6	5 700
48,0	50,2	57,0	5 100
50,0	48,1	55,2	4 600
52,0	45,9	53,3	4 200
54,0	43,6	51,3	3 800
56,0	41,3	49,0	3 400
58,0	38,8	46,6	3 000
60,0	36,1	44,0	2 700
62,0	33,3	41,0	2 300
64,0	30,2	37,7	2 000
66,0	26,8	33,9	1 700
68,0	22,9	29,5	1 500

75,0 m			
m	o	m	kg
13,4	81,3	76,1	33 100 *
14,0	80,9	76,0	32 900 *
15,0	80,1	75,8	32 400 *
16,0	79,3	75,7	31 700
18,0	77,8	75,2	28 300
20,0	76,2	74,8	24 100
22,0	74,6	74,2	20 900
24,0	73,0	73,6	18 300
26,0	71,4	72,9	16 100
28,0	69,8	72,2	14 300
30,0	68,1	71,4	12 800
32,0	66,5	70,6	11 400
34,0	64,8	69,6	10 300
36,0	63,1	68,6	9 200
38,0	61,3	67,6	8 300
40,0	59,6	66,4	7 600
42,0	57,8	65,2	6 800
44,0	55,9	63,8	6 100
46,0	54,1	62,4	5 500
48,0	52,1	60,9	5 000
50,0	50,2	59,2	4 500
52,0	48,1	57,5	4 000
54,0	46,0	55,6	3 600
56,0	43,8	53,5	3 200
58,0	41,6	51,3	2 900
60,0	39,2	48,9	2 500
62,0	36,7	46,3	2 200
64,0	34,0	43,4	1 900
66,0	31,1	40,2	1 600



55 110 kg
+
16 010 kg



78,0 m			
m	o	m	kg
13,4	81,7	79,2	30 000 *
14,0	81,2	79,1	29 800 *
15,0	80,5	78,9	29 500 *
16,0	79,7	78,7	29 100 *
18,0	78,2	78,3	27 700
20,0	76,7	77,8	23 900
22,0	75,2	77,3	20 700
24,0	73,7	76,8	18 100
26,0	72,1	76,1	16 000
28,0	70,6	75,4	14 200
30,0	69,0	74,7	12 600
32,0	67,4	73,8	11 300
34,0	65,8	73,0	10 100
36,0	64,2	72,0	9 100
38,0	62,5	71,0	8 200
40,0	60,9	69,9	7 400
42,0	59,2	68,7	6 600
44,0	57,4	67,4	6 000
46,0	55,6	66,1	5 400
48,0	53,8	64,7	4 800
50,0	52,0	63,1	4 300
52,0	50,1	61,5	3 900
54,0	48,1	59,7	3 400
56,0	46,1	57,8	3 100
58,0	44,0	55,8	2 700
60,0	41,8	53,6	2 300
62,0	39,6	51,2	2 000
64,0	37,2	48,7	1 700
66,0	34,6	45,8	1 400

81,0 m			
m	o	m	kg
14,0	81,5	82,1	27 900 *
15,0	80,8	81,9	27 500 *
16,0	80,1	81,8	27 300 *
18,0	78,7	81,4	26 600 *
20,0	77,2	80,9	23 800
22,0	75,8	80,4	20 600
24,0	74,3	79,9	18 000
26,0	72,8	79,3	15 800
28,0	71,3	78,6	14 000
30,0	69,8	77,9	12 500
32,0	68,3	77,1	11 200
34,0	66,8	76,2	10 000
36,0	65,2	75,3	9 000
38,0	63,6	74,4	8 100
40,0	62,0	73,3	7 200
42,0	60,4	72,2	6 500
44,0	58,8	71,0	5 900
46,0	57,1	69,7	5 300
48,0	55,4	68,4	4 700
50,0	53,6	66,9	4 200
52,0	51,8	65,4	3 800
54,0	50,0	63,7	3 300
56,0	48,1	61,9	2 900
58,0	46,2	60,1	2 600
60,0	44,2	58,0	2 200
62,0	42,1	55,9	1 900
64,0	39,9	53,5	1 600

84,0 m			
m	o	m	kg
14,6	81,4	85,0	24 900 *
15,0	81,2	85,0	24 700 *
16,0	80,5	84,8	24 500 *
18,0	79,1	84,4	23 900 *
20,0	77,7	84,0	23 300
22,0	76,3	83,5	20 500
24,0	74,9	83,0	17 800
26,0	73,5	82,4	15 700
28,0	72,0	81,8	13 800
30,0	70,6	81,1	12 300
32,0	69,1	80,3	11 000
34,0	67,6	79,5	9 800
36,0	66,2	78,6	8 800
38,0	64,7	77,7	7 900
40,0	63,1	76,7	7 100
42,0	61,6	75,6	6 400
44,0	60,0	74,5	5 700
46,0	58,4	73,3	5 100
48,0	56,8	72,0	4 600
50,0	55,1	70,6	4 100
52,0	53,4	69,2	3 600
54,0	51,7	67,6	3 200
56,0	49,9	65,9	2 800
58,0	48,1	64,2	2 400
60,0	46,3	62,3	2 000
62,0	44,3	60,3	1 700
64,0	42,3	58,1	1 400