

Liftcrane Boom Capacities

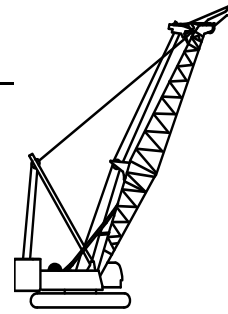
Boom No. 74

55 110 kg Crane Counterweight

16 010 kg Carbody Counterweight

Rating Over Front of Blocked Crawlers

No Travel - Limited Swing



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 over front of machine with crawlers blocked. 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 with front idler tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Drive motors must be to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 9294-A**. 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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.



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

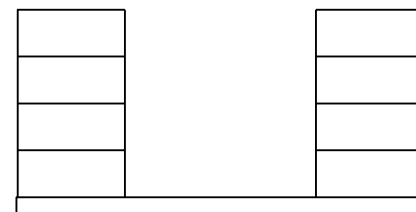


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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 **Table 1** 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 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	RAISING NOT PERMITTED			
75,0	#	#	a						
78,0	#								
81,0	b								
84,0	a, b								
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.									

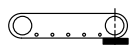
Explanation of Symbols



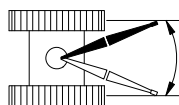
Boom No. 74



Crane Counterweight
+
Carbody Counterweight



Rating Over Front of
Blocked Crawlers



Limited Swing Area



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



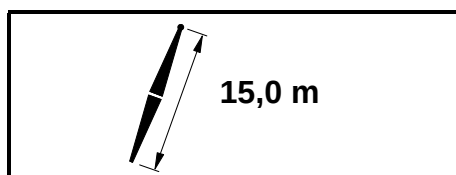
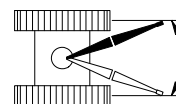
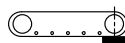
Boom Point Elevation
(see page 1)



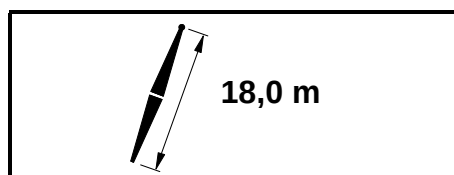
Lifting Capacities
(see page 1)



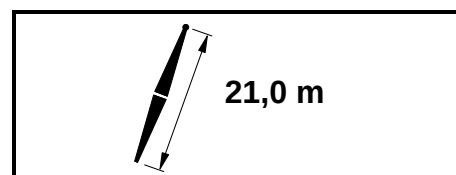
55 110 kg
+
16 010 kg



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	95 200*b
9,0	62,3	15,0	84 400*
10,0	57,8	14,4	75 600*
11,0	53,0	13,6	68 400*
12,0	47,8	12,7	62 400*
13,0	42,1	11,6	56 300
14,0	35,7	10,3	50 500
15,0	27,9	8,5	45 700

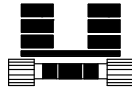


m	o	m	kg
4,9	81,1	19,8	153 200*d
5,0	80,7	19,7	150 400*d
5,5	79,1	19,6	138 000*c
6,0	77,5	19,5	126 700*c
7,0	74,1	19,2	108 800*c
8,0	70,8	18,9	95 200*b
9,0	67,3	18,4	84 500*
10,0	63,7	17,9	75 700*
11,0	60,1	17,3	68 500*
12,0	56,2	16,7	62 500*
13,0	52,2	15,9	56 600
14,0	47,9	15,0	50 800
15,0	43,3	13,9	46 000
16,0	38,1	12,7	41 900
18,0	25,2	9,1	35 500

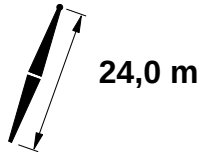
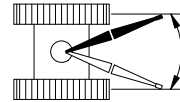
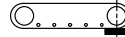


m	o	m	kg
5,2	81,6	22,8	142 900*d
5,5	80,7	22,7	137 800*c
6,0	79,3	22,6	126 400*c
7,0	76,5	22,3	108 500*c
8,0	73,6	22,0	94 900*b
9,0	70,7	21,7	84 200*
10,0	67,8	21,3	75 500*
11,0	64,7	20,8	68 300*
12,0	61,6	20,2	62 300*
13,0	58,4	19,6	56 600
14,0	55,1	18,9	50 800
15,0	51,6	18,1	46 000
16,0	47,9	17,2	41 900
18,0	39,8	15,0	35 600
20,0	29,7	11,9	30 600

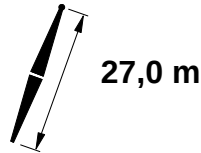
74



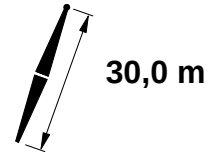
55 110 kg
+
16 010 kg



24,0 m



27,0 m



30,0 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	94 800 *b
9,0	73,2	24,9	84 100 *
10,0	70,7	24,5	75 300 *
11,0	68,1	24,1	68 200 *
12,0	65,5	23,6	62 100 *
13,0	62,8	23,1	56 700
14,0	60,0	22,5	50 800
15,0	57,2	21,9	46 000
16,0	54,2	21,2	42 000
18,0	48,0	19,5	35 600
20,0	40,9	17,3	30 700
22,0	32,6	14,5	26 900
24,0	21,5	10,2	23 700

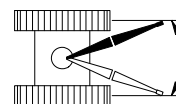
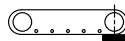
m	o	m	kg
6,1	81,5	28,7	123 600 *c
7,0	79,5	28,5	108 400 *b
8,0	77,4	28,3	94 700 *b
9,0	75,2	28,0	84 000 *
10,0	72,9	27,7	75 300 *
11,0	70,7	27,3	68 100 *
12,0	68,4	26,9	62 100 *
13,0	66,1	26,5	56 700
14,0	63,7	26,0	50 900
15,0	61,3	25,4	46 000
16,0	58,8	24,8	42 000
18,0	53,6	23,4	35 600
20,0	48,0	21,7	30 800
22,0	41,8	19,6	26 900
24,0	34,7	16,9	23 800
26,0	25,9	13,3	21 200

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	94 600 *b
9,0	76,7	31,1	83 800 *
10,0	74,7	30,8	75 100 *
11,0	72,7	30,5	67 900 *
12,0	70,7	30,2	61 900 *
13,0	68,6	29,8	56 600
14,0	66,5	29,3	50 800
15,0	64,4	28,8	46 000
16,0	62,2	28,3	42 000
18,0	57,8	27,1	35 600
20,0	53,1	25,7	30 700
22,0	48,0	23,9	26 900
24,0	42,5	21,9	23 800
26,0	36,3	19,3	21 300
28,0	29,0	16,0	19 100
30,0	19,1	11,2	17 200

74



55 110 kg
+
16 010 kg

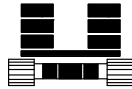


33,0 m			
m	o	m	kg
7,3	80,9	34,6	103 100 *b
8,0	79,7	34,4	94 500 *b
9,0	77,9	34,2	83 800 *
10,0	76,1	34,0	75 100 *
11,0	74,3	33,7	67 900 *
12,0	72,5	33,4	61 900 *
13,0	70,7	33,0	56 600
14,0	68,8	32,6	50 800
15,0	66,9	32,2	46 000
16,0	65,0	31,7	42 000
18,0	61,0	30,6	35 600
20,0	56,9	29,4	30 700
22,0	52,6	27,9	26 900
24,0	48,0	26,2	23 800
26,0	43,1	24,1	21 300
28,0	37,6	21,7	19 100
30,0	31,2	18,6	17 300
32,0	23,3	14,5	15 700

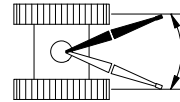
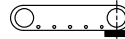
36,0 m			
m	o	m	kg
7,3	81,7	37,6	96 700 *b
8,0	80,6	37,5	93 400 *b
9,0	78,9	37,3	83 700 *
10,0	77,3	37,1	74 900 *
11,0	75,7	36,8	67 700 *
12,0	74,0	36,5	61 700 *
13,0	72,3	36,2	56 500
14,0	70,6	35,8	50 700
15,0	68,9	35,4	46 000
16,0	67,2	35,0	41 900
18,0	63,7	34,0	35 500
20,0	60,0	32,9	30 700
22,0	56,2	31,6	26 800
24,0	52,3	30,1	23 700
26,0	48,0	28,4	21 200
28,0	43,5	26,4	19 100
30,0	38,6	24,0	17 200
32,0	33,0	21,1	15 600
34,0	26,3	17,4	14 300

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	83 200 *
10,0	78,3	40,1	74 700 *
11,0	76,8	39,9	67 500 *
12,0	75,3	39,6	61 600 *
13,0	73,7	39,3	56 300
14,0	72,2	39,0	50 700
15,0	70,6	38,7	45 900
16,0	69,1	38,3	41 800
18,0	65,9	37,4	35 500
20,0	62,6	36,4	30 600
22,0	59,2	35,2	26 800
24,0	55,6	33,9	23 700
26,0	51,9	32,4	21 100
28,0	48,0	30,6	19 000
30,0	43,9	28,6	17 200
32,0	39,4	26,3	15 600
34,0	34,4	23,5	14 300
36,0	28,6	20,1	13 000
38,0	21,3	15,6	11 900

74



55 110 kg
+
16 010 kg

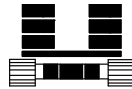


42,0 m			
m	o	m	kg
8,5	81,2	43,5	82 100 *
9,0	80,5	43,4	80 400 *
10,0	79,1	43,2	74 800 *
11,0	77,8	43,0	67 400 *
12,0	76,3	42,7	61 400 *
13,0	74,9	42,5	56 200
14,0	73,5	42,2	50 600
15,0	72,1	41,8	45 800
16,0	70,6	41,5	41 700
18,0	67,7	40,7	35 300
20,0	64,7	39,8	30 500
22,0	61,6	38,7	26 600
24,0	58,4	37,5	23 600
26,0	55,1	36,2	21 000
28,0	51,7	34,6	18 900
30,0	48,1	32,9	17 000
32,0	44,2	30,9	15 500
34,0	40,1	28,6	14 100
36,0	35,5	25,9	12 900
38,0	30,4	22,7	11 800
40,0	24,2	18,7	10 900

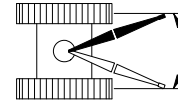
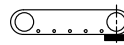
45,0 m			
m	o	m	kg
9,1	81,0	46,4	74 900 *
10,0	79,9	46,3	72 500 *
11,0	78,6	46,1	67 500 *
12,0	77,3	45,8	61 500 *
13,0	76,0	45,6	56 300
14,0	74,6	45,3	50 700
15,0	73,3	45,0	45 900
16,0	72,0	44,7	41 900
18,0	69,3	43,9	35 500
20,0	66,5	43,1	30 600
22,0	63,7	42,1	26 800
24,0	60,8	41,0	23 700
26,0	57,8	39,8	21 200
28,0	54,7	38,4	19 000
30,0	51,5	36,9	17 200
32,0	48,1	35,1	15 600
34,0	44,5	33,1	14 300
36,0	40,7	30,9	13 100
38,0	36,5	28,3	12 000
40,0	31,9	25,3	11 100
42,0	26,5	21,5	10 200
44,0	19,8	16,7	9 400

48,0 m			
m	o	m	kg
9,1	81,6	49,5	71 000 *
10,0	80,5	49,3	68 800 *
11,0	79,3	49,1	66 400 *
12,0	78,1	48,9	61 400 *
13,0	76,9	48,7	56 100
14,0	75,6	48,4	50 600
15,0	74,4	48,1	45 800
16,0	73,1	47,8	41 800
18,0	70,6	47,1	35 400
20,0	68,0	46,4	30 500
22,0	65,4	45,5	26 700
24,0	62,8	44,4	23 600
26,0	60,0	43,3	21 000
28,0	57,2	42,1	18 900
30,0	54,3	40,7	17 100
32,0	51,2	39,1	15 500
34,0	48,1	37,3	14 200
36,0	44,7	35,4	13 000
38,0	41,2	33,2	11 900
40,0	37,3	30,7	10 900
42,0	33,1	27,7	10 100
44,0	28,3	24,3	9 300
46,0	22,6	19,9	8 600

74



55 110 kg
+
16 010 kg

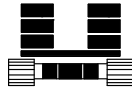


51,0 m			
m	o	m	kg
9,8	81,4	52,4	65 500*
10,0	81,1	52,4	65 000*
11,0	79,9	52,2	62 800*
12,0	78,8	52,0	60 600*
13,0	77,6	51,8	56 000
14,0	76,5	51,5	50 600
15,0	75,3	51,2	45 700
16,0	74,2	51,0	41 700
18,0	71,8	50,3	35 200
20,0	69,4	49,6	30 400
22,0	67,0	48,8	26 500
24,0	64,5	47,8	23 500
26,0	62,0	46,8	20 900
28,0	59,4	45,6	18 800
30,0	56,7	44,3	16 900
32,0	53,9	42,9	15 400
34,0	51,1	41,3	14 000
36,0	48,1	39,6	12 800
38,0	44,9	37,6	11 800
40,0	41,6	35,4	10 800
42,0	38,1	33,0	10 000
44,0	34,2	30,2	9 200
46,0	29,8	26,9	8 500
48,0	24,8	22,9	7 900
50,0	18,5	17,6	7 200

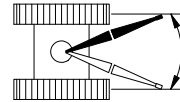
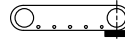
54,0 m			
m	o	m	kg
10,4	81,2	55,3	60 000*
11,0	80,5	55,2	58 700*
12,0	79,4	55,0	56 800*
13,0	78,3	54,8	54 800
14,0	77,3	54,6	50 500
15,0	76,2	54,4	45 600
16,0	75,1	54,1	41 600
18,0	72,8	53,5	35 100
20,0	70,6	52,8	30 200
22,0	68,3	52,0	26 400
24,0	66,0	51,1	23 300
26,0	63,7	50,2	20 800
28,0	61,2	49,1	18 600
30,0	58,8	47,9	16 800
32,0	56,2	46,6	15 200
34,0	53,6	45,2	13 900
36,0	50,9	43,6	12 700
38,0	48,1	41,8	11 700
40,0	45,1	39,9	10 700
42,0	42,0	37,7	9 800
44,0	38,7	35,3	9 000
46,0	35,1	32,6	8 400
48,0	31,1	29,4	7 700
50,0	26,6	25,7	7 100
52,0	21,2	21,0	6 600

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

74



55 110 kg
+
16 010 kg

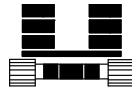


60,0 m			
m	o	m	kg
11,0	81,5	61,3	50 300 *
12,0	80,5	61,2	49 200 *
13,0	79,5	61,0	48 200 *
14,0	78,6	60,8	47 300 *
15,0	77,6	60,5	45 300
16,0	76,6	60,3	41 700
18,0	74,6	59,8	34 900
20,0	72,6	59,1	30 000
22,0	70,6	58,5	26 200
24,0	68,5	57,7	23 100
26,0	66,5	56,8	20 500
28,0	64,4	55,9	18 400
30,0	62,2	54,8	16 600
32,0	60,0	53,7	15 000
34,0	57,8	52,5	13 700
36,0	55,5	51,1	12 500
38,0	53,1	49,7	11 400
40,0	50,6	48,0	10 400
42,0	48,1	46,3	9 600
44,0	45,4	44,4	8 800
46,0	42,7	42,3	8 200
48,0	39,7	39,9	7 500
50,0	36,6	37,3	6 900
52,0	33,2	34,4	6 400
54,0	29,5	31,0	5 900
56,0	25,2	27,0	5 400
58,0	20,1	22,1	5 000

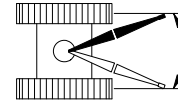
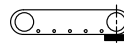
63,0 m			
m	o	m	kg
11,6	81,3	64,3	44 200 *
12,0	81,0	64,2	43 800 *
13,0	80,0	64,0	42 900 *
14,0	79,1	63,8	42 100 *
15,0	78,2	63,6	41 300 *
16,0	77,2	63,4	40 100
18,0	75,4	62,9	35 000
20,0	73,5	62,3	29 900
22,0	71,6	61,6	26 100
24,0	69,6	60,9	23 000
26,0	67,7	60,1	20 400
28,0	65,7	59,2	18 300
30,0	63,6	58,2	16 400
32,0	61,6	57,2	14 900
34,0	59,5	56,0	13 500
36,0	57,3	54,8	12 300
38,0	55,1	53,4	11 300
40,0	52,9	51,9	10 300
42,0	50,5	50,3	9 500
44,0	48,1	48,5	8 700
46,0	45,6	46,6	8 000
48,0	42,9	44,5	7 400
50,0	40,2	42,2	6 800
52,0	37,2	39,7	6 300
54,0	34,1	36,8	5 800
56,0	30,6	33,6	5 300
58,0	26,7	29,8	4 900
60,0	22,2	25,3	4 500

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	37 000 *
16,0	77,8	66,5	36 300 *
18,0	76,0	66,0	34 300
20,0	74,2	65,4	29 800
22,0	72,4	64,8	25 900
24,0	70,6	64,1	22 800
26,0	68,7	63,3	20 300
28,0	66,8	62,5	18 100
30,0	64,9	61,6	16 300
32,0	63,0	60,6	14 700
34,0	61,0	59,5	13 400
36,0	59,0	58,3	12 200
38,0	56,9	57,0	11 100
40,0	54,8	55,6	10 200
42,0	52,7	54,1	9 300
44,0	50,4	52,5	8 600
46,0	48,1	50,8	7 800
48,0	45,7	48,9	7 200
50,0	43,2	46,8	6 600
52,0	40,6	44,5	6 100
54,0	37,8	42,0	5 600
56,0	34,8	39,2	5 200
58,0	31,6	36,1	4 700
60,0	28,0	32,5	4 300
62,0	24,0	28,3	3 900
64,0	19,1	23,1	3 600

74



55 110 kg
+
16 010 kg

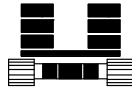


69,0 m			
m	o	m	kg
12,2	81,6	70,2	35 000*
13,0	80,9	70,1	34 400*
14,0	80,1	69,9	33 700*
15,0	79,2	69,7	33 000*
16,0	78,4	69,5	32 300*
18,0	76,7	69,1	31 100*
20,0	74,9	68,5	29 800
22,0	73,2	68,0	25 800
24,0	71,5	67,3	22 700
26,0	69,7	66,6	20 200
28,0	67,9	65,8	18 000
30,0	66,1	64,9	16 200
32,0	64,3	63,9	14 600
34,0	62,4	62,9	13 300
36,0	60,5	61,8	12 100
38,0	58,6	60,6	11 000
40,0	56,6	59,3	10 100
42,0	54,5	57,9	9 200
44,0	52,5	56,4	8 500
46,0	50,3	54,8	7 700
48,0	48,1	53,0	7 100
50,0	45,8	51,1	6 500
52,0	43,4	49,0	6 000
54,0	40,9	46,8	5 500
56,0	38,3	44,3	5 100
58,0	35,5	41,6	4 600
60,0	32,5	38,6	4 200
62,0	29,2	35,1	3 800
64,0	25,5	31,2	3 500
66,0	21,2	26,4	3 200

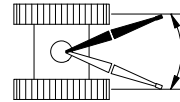
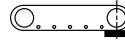
72,0 m			
m	o	m	kg
12,8	81,4	73,2	34 000*
13,0	81,3	73,2	33 900*
14,0	80,5	73,0	33 300*
15,0	79,7	72,8	32 800*
16,0	78,9	72,6	32 100*
18,0	77,2	72,2	30 900*
20,0	75,6	71,7	29 600
22,0	73,9	71,1	25 600
24,0	72,3	70,5	22 500
26,0	70,6	69,8	19 900
28,0	68,9	69,0	17 800
30,0	67,2	68,2	15 900
32,0	65,4	67,3	14 400
34,0	63,6	66,3	13 000
36,0	61,8	65,2	11 800
38,0	60,0	64,1	10 800
40,0	58,1	62,9	9 800
42,0	56,2	61,6	9 000
44,0	54,3	60,2	8 200
46,0	52,3	58,6	7 500
48,0	50,2	57,0	6 900
50,0	48,1	55,2	6 300
52,0	45,9	53,3	5 800
54,0	43,6	51,3	5 300
56,0	41,3	49,0	4 800
58,0	38,8	46,6	4 400
60,0	36,1	44,0	4 000
62,0	33,3	41,0	3 600
64,0	30,2	37,7	3 300
66,0	26,8	33,9	3 000
68,0	22,9	29,5	2 600
70,0	18,3	24,0	2 300

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	31 800*
18,0	77,8	75,2	30 600*
20,0	76,2	74,8	29 300
22,0	74,6	74,2	25 500
24,0	73,0	73,6	22 400
26,0	71,4	72,9	19 800
28,0	69,8	72,2	17 700
30,0	68,1	71,4	15 800
32,0	66,5	70,6	14 200
34,0	64,8	69,6	12 900
36,0	63,1	68,6	11 700
38,0	61,3	67,6	10 600
40,0	59,6	66,4	9 700
42,0	57,8	65,2	8 800
44,0	55,9	63,8	8 100
46,0	54,1	62,4	7 300
48,0	52,1	60,9	6 700
50,0	50,2	59,2	6 100
52,0	48,1	57,5	5 600
54,0	46,0	55,6	5 100
56,0	43,8	53,5	4 700
58,0	41,6	51,3	4 200
60,0	39,2	48,9	3 800
62,0	36,7	46,3	3 500
64,0	34,0	43,4	3 100
66,0	31,1	40,2	2 800
68,0	27,9	36,6	2 500
70,0	24,4	32,5	2 200
72,0	20,3	27,5	1 900

74



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	28 500 *
20,0	76,7	77,8	27 800
22,0	75,2	77,3	25 500
24,0	73,7	76,8	22 200
26,0	72,1	76,1	19 700
28,0	70,6	75,4	17 500
30,0	69,0	74,7	15 700
32,0	67,4	73,8	14 100
34,0	65,8	73,0	12 700
36,0	64,2	72,0	11 500
38,0	62,5	71,0	10 500
40,0	60,9	69,9	9 500
42,0	59,2	68,7	8 700
44,0	57,4	67,4	7 900
46,0	55,6	66,1	7 200
48,0	53,8	64,7	6 600
50,0	52,0	63,1	6 000
52,0	50,1	61,5	5 400
54,0	48,1	59,7	5 000
56,0	46,1	57,8	4 500
58,0	44,0	55,8	4 100
60,0	41,8	53,6	3 700
62,0	39,6	51,2	3 300
64,0	37,2	48,7	2 900
66,0	34,6	45,8	2 600
68,0	31,9	42,7	2 300
70,0	29,0	39,3	2 100
72,0	25,7	35,3	1 800
74,0	22,0	30,7	1 500

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	26 000 *
22,0	75,8	80,4	25 000
24,0	74,3	79,9	22 200
26,0	72,8	79,3	19 500
28,0	71,3	78,6	17 400
30,0	69,8	77,9	15 500
32,0	68,3	77,1	14 000
34,0	66,8	76,2	12 600
36,0	65,2	75,3	11 400
38,0	63,6	74,4	10 300
40,0	62,0	73,3	9 400
42,0	60,4	72,2	8 500
44,0	58,8	71,0	7 800
46,0	57,1	69,7	7 100
48,0	55,4	68,4	6 400
50,0	53,6	66,9	5 800
52,0	51,8	65,4	5 300
54,0	50,0	63,7	4 800
56,0	48,1	61,9	4 400
58,0	46,2	60,1	4 000
60,0	44,2	58,0	3 600
62,0	42,1	55,9	3 200
64,0	39,9	53,5	2 900
66,0	37,6	51,0	2 500
68,0	35,2	48,2	2 200
70,0	32,6	45,2	1 900
72,0	29,9	41,8	1 700
74,0	26,8	38,1	1 400

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	23 400 *
22,0	76,3	83,5	22 900 *
24,0	74,9	83,0	21 800
26,0	73,5	82,4	19 400
28,0	72,0	81,8	17 200
30,0	70,6	81,1	15 400
32,0	69,1	80,3	13 800
34,0	67,6	79,5	12 400
36,0	66,2	78,6	11 200
38,0	64,7	77,7	10 200
40,0	63,1	76,7	9 200
42,0	61,6	75,6	8 400
44,0	60,0	74,5	7 600
46,0	58,4	73,3	6 900
48,0	56,8	72,0	6 300
50,0	55,1	70,6	5 700
52,0	53,4	69,2	5 200
54,0	51,7	67,6	4 600
56,0	49,9	65,9	4 200
58,0	48,1	64,2	3 800
60,0	46,3	62,3	3 400
62,0	44,3	60,3	3 000
64,0	42,3	58,1	2 700
66,0	40,2	55,8	2 400
68,0	38,0	53,3	2 000
70,0	35,7	50,6	1 800
72,0	33,3	47,6	1 500