

Liftcrane Boom Capacities

Boom No. 76
80 740 kg Crane Counterweight
31 980 kg Carbody Counterweight
360 Degree Rating

14000
SERIES 3



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 (*). Capacities indicated by (b) require 4 540 kg minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 14 290 kg or 27 220 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.

71,0 m thru 89,0 m boom lengths require only the middle two 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 gantry up. Refer to Boom Rigging **No. A16106**, Wire Rope Specification chart **No. 8789-A**, Wind Conditions chart **No. 8790-A**, and Counterweight Arrangement chart **No. 9461-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 and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8787-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 ($^{\circ}$) 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 8 280 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 8 230 mm live mast, 20 part boom hoist reeving, boom support straps, 80 740 kg crane counterweight, two 12 020 kg carbody counterweights, and four 1 985 kg carbody counterweights.

WITHOUT BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 89,0 m	—	(a) 80,0 m	—
86,0 m	—	77,0 m	—
83,0 m	—	74,0 m	9,1 m
80,0 m	12,2 m	71,0 m	18,3 m
77,0 m	21,3 m	68,0 m	21,3 m
74,0 m	24,4 m	65,0 m	24,4 m

Load block, hook and weight ball on ground at start.
 (a) Upper boom point cannot be used on 89,0 m boom or over side of crawlers on 80,0 m boom.

Consult jib chart for jib capacities.
 Upper boom point cannot be used when jib is attached.

WITH BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a)(b) 89,0 m	—	(a) 80,0 m	—
(b) 86,0 m	—	77,0 m	—
83,0 m	—	74,0 m	9,1 m
80,0 m	12,2 m	71,0 m	(b) 18,3 m
77,0 m	(b) 21,3 m	68,0 m	21,3 m
74,0 m	24,4 m	65,0 m	24,4 m

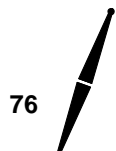
Load block, hook and weight ball on ground at start.
 (a) Upper boom point cannot be used on 89,0 m boom or over side of crawlers on 80,0 m boom. 89,0 m boom *must* be rigged with one hoist lead line.
 (b) Requires lowerworks jacking cylinders.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
9,1 m	1 770 kg
12,2 m	2 130 kg
15,2 m	2 540 kg
18,3 m	2 990 kg
21,3 m	3 450 kg
24,4 m	3 950 kg

Upper Boom Point Deduct
Deduct 500 kg from capacities when upper boom point is attached.

Boom Catwalks Deduct
Deduct 300 kg from capacities when boom catwalks are attached.

Explanation of Symbols



Boom No. 76



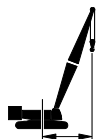
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)

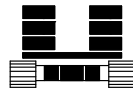
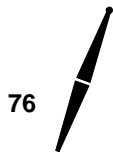


Lifting Capacities
(see page 1)

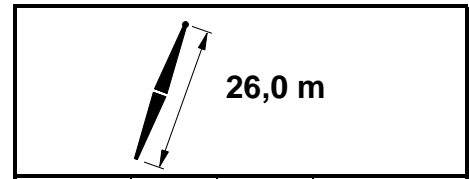
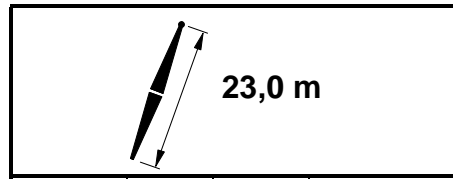
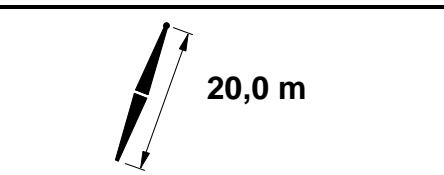
REFERENCE ONLY!

14000 S-3

ASME B30.5



80 740 kg
+
31 980 kg



m	°	m	kg
4,3	83,2	22,2	200 000 *b
5,0	81,1	22,1	173 400 *b
6,0	78,1	21,9	146 000 *b
7,0	75,2	21,6	125 400 *
8,0	72,2	21,3	109 500 *
9,0	69,1	20,9	97 400 *
10,0	65,9	20,4	87 700 *
11,0	62,7	19,9	79 600 *
12,0	59,4	19,3	71 900
13,0	55,9	18,6	64 200
14,0	52,3	17,8	57 800
15,0	48,4	16,9	52 600
16,0	44,3	15,9	48 300
18,0	35,0	13,3	41 000

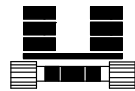
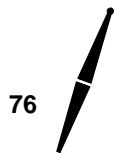
m	°	m	kg
4,9	82,6	25,2	176 500 *b
5,0	82,3	25,1	172 900 *b
6,0	79,7	25,0	146 000 *b
7,0	77,2	24,7	125 400 *
8,0	74,6	24,4	109 500 *
9,0	72,0	24,1	97 400 *
10,0	69,3	23,7	87 700 *
11,0	66,6	23,3	79 600 *
12,0	63,8	22,8	71 900
13,0	60,9	22,2	64 300
14,0	58,0	21,6	57 900
15,0	54,9	20,9	52 700
16,0	51,8	20,1	48 400
18,0	44,9	18,2	41 100
20,0	37,0	15,8	35 500
22,0	27,2	12,3	31 200

m	°	m	kg
5,2	82,8	28,1	161 700 *
6,0	80,9	28,0	145 800 *
7,0	78,7	27,8	125 400 *
8,0	76,4	27,5	109 500 *
9,0	74,1	27,3	97 400 *
10,0	71,8	26,9	87 700 *
11,0	69,4	26,5	79 600 *
12,0	67,0	26,1	72 000
13,0	64,6	25,6	64 300
14,0	62,1	25,1	57 900
15,0	59,5	24,5	52 700
16,0	56,9	23,8	48 400
18,0	51,3	22,3	41 100
20,0	45,3	20,4	35 500
22,0	38,5	18,1	31 200
24,0	30,4	15,0	27 600

REFERENCIA

14000 S-3

ASME B30.5



80 740 kg
+
31 980 kg



29,0 m

m	°	m	kg
5,5	82,9	31,1	155 800*
6,0	81,9	31,0	145 800*
7,0	79,9	30,8	125 400*
8,0	77,8	30,6	109 500*
9,0	75,8	30,4	97 400*
10,0	73,7	30,1	87 700*
11,0	71,6	29,7	79 600*
12,0	69,5	29,4	72 000
13,0	67,4	28,9	64 300
14,0	65,2	28,5	58 000
15,0	63,0	27,9	52 700
16,0	60,7	27,4	48 400
18,0	56,0	26,1	41 100
20,0	51,0	24,5	35 600
22,0	45,6	22,7	31 300
24,0	39,6	20,4	27 700
26,0	32,6	17,5	24 700
28,0	23,9	13,5	22 200

32,0 m

m	°	m	kg
5,8	83,0	34,1	142 800*
6,0	82,6	34,1	141 900*
7,0	80,8	33,9	125 400*
8,0	79,0	33,7	109 500*
9,0	77,2	33,5	97 400*
10,0	75,3	33,2	87 700*
11,0	73,4	32,9	79 600*
12,0	71,5	32,6	72 000
13,0	69,6	32,2	64 300
14,0	67,7	31,8	57 900
15,0	65,7	31,3	52 600
16,0	63,7	30,8	48 300
18,0	59,6	29,7	41 100
20,0	55,3	28,4	35 500
22,0	50,7	26,8	31 200
24,0	45,9	24,9	27 600
26,0	40,5	22,7	24 600
28,0	34,4	20,0	22 200
30,0	27,2	16,4	20 000
32,0	17,2	11,2	18 200

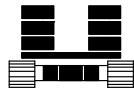
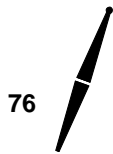
35,0 m

m	°	m	kg
6,7	82,1	37,0	130 600*
7,0	81,6	37,0	125 400*
8,0	80,0	36,8	109 500*
9,0	78,3	36,6	97 400*
10,0	76,6	36,3	87 700*
11,0	74,9	36,0	79 600*
12,0	73,2	35,7	72 000
13,0	71,5	35,4	64 200
14,0	69,7	35,0	57 900
15,0	67,9	34,6	52 600
16,0	66,1	34,2	48 300
18,0	62,5	33,1	41 000
20,0	58,7	32,0	35 500
22,0	54,7	30,6	31 100
24,0	50,5	29,0	27 600
26,0	46,0	27,1	24 600
28,0	41,2	25,0	22 200
30,0	35,8	22,3	20 000
32,0	29,5	19,1	18 200
34,0	21,6	14,7	16 600

REFERENCIA

14000 S-3

ASME B30.5



80 740 kg
+
31 980 kg



360°

38,0 m

m	°	m	kg
6,7	82,7	40,0	127 700*
7,0	82,3	40,0	123 800*
8,0	80,8	39,8	109 500*
9,0	79,2	39,6	97 400*
10,0	77,7	39,4	87 700*
11,0	76,1	39,2	79 600*
12,0	74,6	38,9	72 000
13,0	73,0	38,6	64 200
14,0	71,4	38,2	57 900
15,0	69,8	37,9	52 600
16,0	68,2	37,5	48 300
18,0	64,8	36,5	41 000
20,0	61,4	35,5	35 400
22,0	57,9	34,3	31 100
24,0	54,2	32,9	27 600
26,0	50,4	31,3	24 600
28,0	46,2	29,4	22 100
30,0	41,8	27,3	20 000
32,0	37,0	24,7	18 200
34,0	31,5	21,7	16 600
36,0	24,8	17,8	15 200
38,0	15,7	12,0	13 900

41,0 m

m	°	m	kg
7,3	82,4	43,0	119 700*
8,0	81,4	42,9	109 500*
9,0	80,0	42,7	97 400*
10,0	78,6	42,5	87 700*
11,0	77,2	42,3	79 600*
12,0	75,7	42,0	71 900
13,0	74,3	41,7	64 200
14,0	72,8	41,4	57 800
15,0	71,3	41,1	52 500
16,0	69,8	40,7	48 200
18,0	66,8	39,8	40 900
20,0	63,7	38,9	35 400
22,0	60,5	37,8	31 000
24,0	57,2	36,5	27 500
26,0	53,8	35,1	24 500
28,0	50,2	33,5	22 100
30,0	46,4	31,6	20 000
32,0	42,3	29,5	18 100
34,0	37,9	27,1	16 500
36,0	32,9	24,1	15 100
38,0	27,2	20,6	13 900

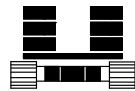
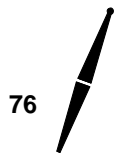
44,0 m

m	°	m	kg
7,3	82,9	46,0	108 200*
8,0	82,0	45,9	104 800*
9,0	80,7	45,8	97 300*
10,0	79,4	45,6	87 700*
11,0	78,1	45,4	79 500*
12,0	76,7	45,1	71 800
13,0	75,4	44,8	64 100
14,0	74,0	44,6	57 700
15,0	72,6	44,2	52 400
16,0	71,3	43,9	48 100
18,0	68,5	43,1	40 800
20,0	65,6	42,2	35 200
22,0	62,7	41,2	30 900
24,0	59,7	40,1	27 300
26,0	56,6	38,8	24 400
28,0	53,4	37,4	21 900
30,0	50,1	35,7	19 800
32,0	46,5	33,9	18 000
34,0	42,8	31,8	16 400
36,0	38,7	29,4	15 000
38,0	34,2	26,6	13 700
40,0	29,1	23,3	12 600
42,0	23,0	19,0	11 600

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14000 S-3

ASME B30.5



80 740 kg
+
31 980 kg



47,0 m

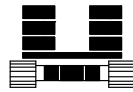
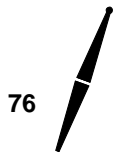
m	°	m	kg
7,9	82,6	49,0	102 100*
8,0	82,5	48,9	101 700*
9,0	81,3	48,8	96 600*
10,0	80,1	48,6	87 600*
11,0	78,8	48,4	79 400*
12,0	77,6	48,2	71 700
13,0	76,3	47,9	64 000
14,0	75,1	47,7	57 600
15,0	73,8	47,4	52 300
16,0	72,5	47,1	48 000
18,0	69,9	46,3	40 700
20,0	67,3	45,5	35 100
22,0	64,6	44,6	30 800
24,0	61,8	43,6	27 200
26,0	59,0	42,4	24 200
28,0	56,1	41,1	21 800
30,0	53,1	39,6	19 700
32,0	49,9	38,0	17 800
34,0	46,6	36,1	16 300
36,0	43,1	34,1	14 900
38,0	39,3	31,7	13 600
40,0	35,2	29,0	12 500
42,0	30,7	25,8	11 500
44,0	25,3	21,9	10 600

50,0 m

m	°	m	kg
8,5	82,4	51,9	93 800*
9,0	81,8	51,8	92 000*
10,0	80,7	51,6	87 200*
11,0	79,5	51,5	79 300*
12,0	78,3	51,3	71 600
13,0	77,2	51,0	63 900
14,0	76,0	50,8	57 500
15,0	74,8	50,5	52 300
16,0	73,6	50,2	47 900
18,0	71,2	49,5	40 600
20,0	68,7	48,8	35 000
22,0	66,2	47,9	30 700
24,0	63,7	46,9	27 100
26,0	61,1	45,9	24 200
28,0	58,4	44,6	21 700
30,0	55,6	43,3	19 600
32,0	52,8	41,8	17 800
34,0	49,8	40,2	16 200
36,0	46,7	38,3	14 800
38,0	43,4	36,3	13 500
40,0	39,9	34,0	12 400
42,0	36,1	31,4	11 400
44,0	31,9	28,3	10 500
46,0	27,2	24,7	9 700
48,0	21,4	20,1	8 900

53,0 m

m	°	m	kg
8,5	82,8	54,9	90 400*
9,0	82,3	54,9	88 700*
10,0	81,2	54,7	85 200*
11,0	80,1	54,5	79 100*
12,0	79,0	54,3	71 500
13,0	77,9	54,1	63 900
14,0	76,8	53,9	57 400
15,0	75,7	53,6	52 200
16,0	74,6	53,3	47 800
18,0	72,3	52,7	40 500
20,0	70,0	52,0	34 900
22,0	67,7	51,2	30 600
24,0	65,3	50,3	27 000
26,0	62,9	49,3	24 000
28,0	60,4	48,2	21 600
30,0	57,9	47,0	19 500
32,0	55,2	45,6	17 600
34,0	52,5	44,1	16 100
36,0	49,7	42,4	14 700
38,0	46,8	40,6	13 400
40,0	43,7	38,6	12 300
42,0	40,4	36,3	11 300
44,0	36,9	33,7	10 400
46,0	33,1	30,8	9 600
48,0	28,8	27,4	8 800
50,0	23,8	23,2	8 100



80 740 kg
+
31 980 kg



56,0 m

m	°	m	kg
9,1	82,6	57,9	80 400*
10,0	81,7	57,7	77 900*
11,0	80,6	57,6	75 200*
12,0	79,6	57,4	71 000
13,0	78,6	57,2	63 700
14,0	77,5	57,0	57 300
15,0	76,5	56,7	52 000
16,0	75,4	56,4	47 700
18,0	73,3	55,9	40 300
20,0	71,1	55,2	34 800
22,0	68,9	54,4	30 400
24,0	66,7	53,6	26 800
26,0	64,4	52,6	23 900
28,0	62,1	51,6	21 400
30,0	59,8	50,5	19 300
32,0	57,4	49,2	17 500
34,0	54,9	47,8	15 900
36,0	52,3	46,3	14 500
38,0	49,6	44,7	13 200
40,0	46,9	42,8	12 100
42,0	44,0	40,8	11 100
44,0	40,9	38,6	10 200
46,0	37,6	36,1	9 400
48,0	34,0	33,2	8 600
50,0	30,1	29,9	8 000
52,0	25,6	26,0	7 300
54,0	20,2	21,1	6 700

59,0 m

m	°	m	kg
9,1	83,0	60,9	77 200*
10,0	82,1	60,8	74 800*
11,0	81,1	60,6	72 100*
12,0	80,1	60,5	69 500*
13,0	79,2	60,3	63 600
14,0	78,2	60,0	57 200
15,0	77,2	59,8	51 900
16,0	76,2	59,6	47 500
18,0	74,1	59,0	40 200
20,0	72,1	58,4	34 600
22,0	70,0	57,7	30 300
24,0	68,0	56,9	26 700
26,0	65,8	56,0	23 700
28,0	63,7	55,0	21 300
30,0	61,5	54,0	19 100
32,0	59,2	52,8	17 300
34,0	56,9	51,5	15 700
36,0	54,6	50,1	14 300
38,0	52,1	48,6	13 100
40,0	49,6	46,9	12 000
42,0	47,0	45,1	11 000
44,0	44,2	43,1	10 100
46,0	41,3	40,9	9 300
48,0	38,2	38,4	8 500
50,0	34,9	35,6	7 800
52,0	31,3	32,5	7 200
54,0	27,2	28,8	6 600
56,0	22,5	24,4	6 000

62,0 m

m	°	m	kg
9,8	82,7	63,8	68 200*
10,0	82,5	63,8	67 900*
11,0	81,6	63,7	66 900*
12,0	80,6	63,5	65 600*
13,0	79,7	63,3	62 900*
14,0	78,7	63,1	57 100
15,0	77,8	62,9	51 800
16,0	76,8	62,6	47 500
18,0	74,9	62,1	40 100
20,0	73,0	61,5	34 500
22,0	71,1	60,8	30 200
24,0	69,1	60,1	26 600
26,0	67,1	59,3	23 600
28,0	65,0	58,4	21 100
30,0	63,0	57,4	19 000
32,0	60,9	56,3	17 200
34,0	58,7	55,1	15 600
36,0	56,5	53,8	14 200
38,0	54,2	52,3	13 000
40,0	51,9	50,8	11 900
42,0	49,5	49,1	10 900
44,0	47,0	47,3	10 000
46,0	44,4	45,3	9 100
48,0	41,6	43,1	8 400
50,0	38,7	40,7	7 700
52,0	35,6	38,0	7 100
54,0	32,3	35,0	6 500
56,0	28,6	31,5	5 900
58,0	24,3	27,3	5 400
60,0	19,2	22,2	5 000

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80 740 kg
+
31 980 kg



65,0 m

m	°	m	kg
10,4	82,5	66,8	61 900*
11,0	82,0	66,7	60 100*
12,0	81,1	66,6	59 100*
13,0	80,2	66,4	58 300*
14,0	79,3	66,2	56 900
15,0	78,4	66,0	51 700
16,0	77,5	65,7	47 300
18,0	75,6	65,2	40 000
20,0	73,8	64,7	34 400
22,0	72,0	64,0	30 000
24,0	70,1	63,3	26 400
26,0	68,2	62,5	23 500
28,0	66,3	61,7	21 000
30,0	64,3	60,7	18 900
32,0	62,3	59,7	17 000
34,0	60,3	58,6	15 500
36,0	58,3	57,4	14 100
38,0	56,2	56,0	12 800
40,0	54,0	54,6	11 700
42,0	51,8	53,1	10 700
44,0	49,5	51,4	9 800
46,0	47,1	49,6	9 000
48,0	44,6	47,6	8 200
50,0	42,0	45,4	7 600
52,0	39,2	43,0	6 900
54,0	36,3	40,4	6 300
56,0	33,2	37,5	5 800
58,0	29,8	34,1	5 300
60,0	25,9	30,2	4 800
62,0	21,4	25,5	4 400
64,0	15,7	19,3	4 000

68,0 m

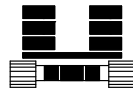
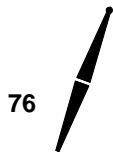
m	°	m	kg
10,4	82,9	69,8	61 500*
11,0	82,3	69,7	59 800*
12,0	81,5	69,6	58 800*
13,0	80,6	69,4	58 000*
14,0	79,7	69,2	56 700
15,0	78,9	69,0	51 500
16,0	78,0	68,8	47 100
18,0	76,3	68,3	39 800
20,0	74,5	67,8	34 200
22,0	72,8	67,2	29 800
24,0	71,0	66,5	26 200
26,0	69,2	65,8	23 200
28,0	67,4	64,9	20 800
30,0	65,5	64,0	18 600
32,0	63,7	63,1	16 800
34,0	61,8	62,0	15 200
36,0	59,8	60,9	13 800
38,0	57,8	59,6	12 600
40,0	55,8	58,3	11 400
42,0	53,7	56,9	10 500
44,0	51,6	55,3	9 500
46,0	49,4	53,6	8 700
48,0	47,1	51,8	8 000
50,0	44,7	49,8	7 300
52,0	42,3	47,7	6 700
54,0	39,7	45,3	6 100
56,0	36,9	42,7	5 500
58,0	34,0	39,9	5 000
60,0	30,8	36,6	4 600
62,0	27,2	32,9	4 100
64,0	23,2	28,6	3 700
66,0	18,3	23,1	3 300

71,0 m

m	°	m	kg
11,0	82,7	72,8	55 600*
12,0	81,8	72,6	55 200*
13,0	81,0	72,4	54 800*
14,0	80,2	72,3	54 400*
15,0	79,4	72,1	51 700
16,0	78,5	71,9	47 300
18,0	76,9	71,4	39 900
20,0	75,2	70,9	34 300
22,0	73,5	70,3	29 900
24,0	71,8	69,7	26 300
26,0	70,1	69,0	23 300
28,0	68,4	68,2	20 900
30,0	66,6	67,3	18 800
32,0	64,9	66,4	16 900
34,0	63,1	65,4	15 300
36,0	61,2	64,3	13 900
38,0	59,3	63,2	12 700
40,0	57,4	61,9	11 600
42,0	55,5	60,5	10 600
44,0	53,5	59,1	9 700
46,0	51,4	57,5	8 800
48,0	49,3	55,8	8 100
50,0	47,1	54,0	7 400
52,0	44,9	52,0	6 800
54,0	42,5	49,9	6 200
56,0	40,1	47,6	5 700
58,0	37,4	45,0	5 200
60,0	34,7	42,2	4 700
62,0	31,7	39,1	4 300
64,0	28,4	35,6	3 800
66,0	24,7	31,5	3 500
68,0	20,4	26,5	3 100

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80 740 kg
+
31 980 kg



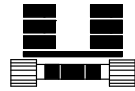
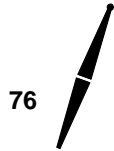
74,0 m			
m	°	m	kg
11,0	83,0	75,8	50 600 *
12,0	82,2	75,7	50 200 *
13,0	81,4	75,5	49 800 *
14,0	80,6	75,3	49 400 *
15,0	79,8	75,1	49 000 *
16,0	79,0	75,0	46 500 *
18,0	77,4	74,5	39 800
20,0	75,8	74,0	34 200
22,0	74,2	73,5	29 800
24,0	72,6	72,9	26 200
26,0	71,0	72,2	23 200
28,0	69,3	71,4	20 800
30,0	67,6	70,6	18 600
32,0	66,0	69,7	16 800
34,0	64,2	68,8	15 200
36,0	62,5	67,8	13 800
38,0	60,7	66,7	12 500
40,0	58,9	65,5	11 400
42,0	57,1	64,2	10 400
44,0	55,2	62,8	9 500
46,0	53,3	61,4	8 700
48,0	51,3	59,8	8 000
50,0	49,3	58,1	7 300
52,0	47,2	56,3	6 600
54,0	45,0	54,3	6 100
56,0	42,8	52,2	5 500
58,0	40,4	49,9	5 000
60,0	37,9	47,4	4 600
62,0	35,3	44,7	4 100
64,0	32,5	41,6	3 700
66,0	29,4	38,2	3 300
68,0	26,1	34,3	3 000
70,0	22,2	29,8	2 600

77,0 m			
m	°	m	kg
11,6	82,8	78,7	45 900 *
12,0	82,5	78,7	45 700 *
13,0	81,7	78,5	45 300 *
14,0	81,0	78,4	45 000 *
15,0	80,2	78,2	44 600 *
16,0	79,4	78,0	44 200 *
18,0	77,9	77,6	39 700
20,0	76,4	77,1	34 000
22,0	74,9	76,6	29 700
24,0	73,3	76,0	26 100
26,0	71,7	75,3	23 100
28,0	70,2	74,6	20 600
30,0	68,6	73,8	18 500
32,0	66,9	73,0	16 600
34,0	65,3	72,1	15 000
36,0	63,7	71,1	13 600
38,0	62,0	70,1	12 400
40,0	60,3	69,0	11 300
42,0	58,5	67,7	10 300
44,0	56,8	66,5	9 400
46,0	54,9	65,1	8 500
48,0	53,1	63,6	7 800
50,0	51,2	62,0	7 100
52,0	49,2	60,3	6 500
54,0	47,2	58,5	5 900
56,0	45,2	56,5	5 400
58,0	43,0	54,4	4 900
60,0	40,7	52,2	4 400
62,0	38,4	49,7	4 000
64,0	35,9	47,0	3 600
66,0	33,2	44,0	3 200
68,0	30,4	40,8	2 800
70,0	27,2	37,0	2 500
72,0	23,7	32,7	2 100

80,0 m			
m	°	m	kg
12,2	82,6	81,7	41 200 *
13,0	82,0	81,6	40 900 *
14,0	81,3	81,4	40 600 *
15,0	80,6	81,3	40 200 *
16,0	79,8	81,1	39 900 *
18,0	78,4	80,7	38 700
20,0	76,9	80,2	33 900
22,0	75,4	79,7	29 500
24,0	73,9	79,1	25 900
26,0	72,4	78,5	22 900
28,0	70,9	77,8	20 400
30,0	69,4	77,1	18 300
32,0	67,9	76,3	16 400
34,0	66,3	75,4	14 800
36,0	64,7	74,5	13 400
38,0	63,1	73,5	12 200
40,0	61,5	72,4	11 100
42,0	59,8	71,3	10 100
44,0	58,2	70,1	9 200
46,0	56,5	68,7	8 300
48,0	54,7	67,3	7 600
50,0	52,9	65,9	6 900
52,0	51,1	64,3	6 300
54,0	49,2	62,6	5 700
56,0	47,3	60,8	5 200
58,0	45,3	58,8	4 700
60,0	43,2	56,7	4 200
62,0	41,1	54,5	3 800
64,0	38,8	52,0	3 300
66,0	36,4	49,4	3 000
68,0	33,9	46,5	2 600
70,0	31,2	43,3	2 300

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80 740 kg
+
31 980 kg



83,0 m			
m	°	m	kg
12,2	82,9	84,7	38 700 *
13,0	82,3	84,6	38 500 *
14,0	81,6	84,4	38 200 *
15,0	80,9	84,3	37 900 *
16,0	80,2	84,1	37 600 *
18,0	78,8	83,7	37 000 *
20,0	77,4	83,3	33 700
22,0	76,0	82,8	29 300
24,0	74,5	82,2	25 700
26,0	73,1	81,6	22 700
28,0	71,6	81,0	20 200
30,0	70,2	80,3	18 100
32,0	68,7	79,5	16 300
34,0	67,2	78,7	14 700
36,0	65,7	77,8	13 300
38,0	64,2	76,8	12 000
40,0	62,6	75,8	10 900
42,0	61,0	74,7	9 900
44,0	59,4	73,6	9 000
46,0	57,8	72,3	8 200
48,0	56,2	71,0	7 400
50,0	54,5	69,6	6 700
52,0	52,8	68,1	6 100
54,0	51,0	66,5	5 500
56,0	49,2	64,8	5 000
58,0	47,3	63,0	4 500
60,0	45,4	61,0	4 000
62,0	43,4	59,0	3 600
64,0	41,3	56,7	3 200
66,0	39,2	54,3	2 800
68,0	36,9	51,7	2 400
70,0	34,5	48,9	2 100

86,0 m			
m	°	m	kg
12,8	82,7	87,7	35 500 *
13,0	82,6	87,6	35 500 *
14,0	81,9	87,5	35 200 *
15,0	81,2	87,3	34 900 *
16,0	80,6	87,2	34 600 *
18,0	79,2	86,8	34 100 *
20,0	77,8	86,4	33 200 *
22,0	76,5	85,9	29 200
24,0	75,1	85,4	25 600
26,0	73,7	84,8	22 600
28,0	72,3	84,2	20 100
30,0	70,9	83,5	18 000
32,0	69,5	82,8	16 100
34,0	68,1	82,0	14 500
36,0	66,6	81,1	13 100
38,0	65,1	80,2	11 900
40,0	63,7	79,2	10 800
42,0	62,2	78,2	9 800
44,0	60,6	77,1	8 800
46,0	59,1	75,9	8 000
48,0	57,5	74,6	7 300
50,0	55,9	73,3	6 600
52,0	54,3	71,9	6 000
54,0	52,6	70,4	5 400
56,0	50,9	68,8	4 800
58,0	49,1	67,0	4 300
60,0	47,4	65,2	3 900
62,0	45,5	63,3	3 400
64,0	43,6	61,2	3 000
66,0	41,6	59,0	2 700
68,0	39,5	56,7	2 300
70,0	37,4	54,1	2 000

89,0 m			
m	°	m	kg
12,8	83,0	90,7	32 700 *
13,0	82,8	90,7	32 700 *
14,0	82,2	90,5	32 400 *
15,0	81,5	90,4	32 100 *
16,0	80,9	90,2	31 900 *
18,0	79,6	89,8	31 300 *
20,0	78,3	89,4	30 800 *
22,0	76,9	89,0	29 000
24,0	75,6	88,5	25 400
26,0	74,3	87,9	22 400
28,0	72,9	87,3	19 900
30,0	71,6	86,7	17 800
32,0	70,2	85,9	15 900
34,0	68,8	85,2	14 400
36,0	67,4	84,4	12 900
38,0	66,0	83,5	11 700
40,0	64,6	82,5	10 600
42,0	63,2	81,5	9 600
44,0	61,7	80,5	8 700
46,0	60,2	79,4	7 900
48,0	58,7	78,2	7 100
50,0	57,2	76,9	6 400
52,0	55,7	75,5	5 800
54,0	54,1	74,1	5 200
56,0	52,5	72,6	4 700
58,0	50,8	71,0	4 200
60,0	49,1	69,3	3 700
62,0	47,4	67,5	3 300
64,0	45,6	65,5	2 900
66,0	43,7	63,5	2 500
68,0	41,8	61,3	2 100
70,0	39,8	58,9	1 800