


Liftcrane Boom Capacities

Boom No. B10:82A
67 860 kg Crane Counterweight
0 kg Carbody Counterweight
360 Degree Rating

MLC250 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 1 or Drum 2 is 13 380 kg or 26 760 kg with two part whip line. When Drum 3 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.


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) require 5 670 kg minimum weight. **Caution: Do not operate in areas indicated by (b) 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 with gantry up. Refer to Boom Rigging **No. 80137888**, Wire Rope Specifications chart **No. 9909-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9908-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 Specifications chart **No. 9907-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 8 585 mm crawlers, 1 200 mm or 1 524 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. 9912-AM** when Jib No. 134 is attached.

| Deduct From Capacities When Jib No. 134 Is Attached | | | |
|---|------------------|-------|-------|
| Jib Length (m) | Jib Offset Angle | | |
| | 5° | 15° | 25° |
| | Deduct (kg) | | |
| 9,1 | 2 275 | 2 600 | 3 100 |
| 12,2 | 2 650 | 3 325 | 4 050 |
| 15,2 | 3 050 | 4 000 | 5 000 |
| 18,3 | 3 500 | 4 725 | 5 900 |
| 21,3 | 3 825 | 5 275 | 6 775 |
| 24,4 | 4 225 | 5 875 | 7 675 |

Weight of jib and 1 360 kg suspended beneath jib point have been included in determination of deduct.

Refer to Table 1 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. For boom lengths shown with (a), upper boom point must be removed. Raising is not permitted in shaded areas of table.

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

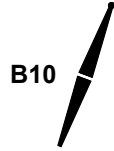
Table 1

| Boom Length (m) | Maximum Number of Lower Boom Point Sheaves | Over End or Side of Crawlers | Over End of Blocked Crawlers |
|-----------------|--|------------------------------|------------------------------|
| | | Block Weight (kg) | |
| 21,3 - 48,8 | 8 | 4 525 | 4 525 |
| 51,8 | 8 | 4 150 | 4 425 |
| 54,9 | 8 | 3 125 | 3 525 |
| 57,9 | 8 | 2 025 | 2 525 |
| 61,0 | 8 | # | 2 075 |
| 64,0 | 8 | # | 1 900 |
| 67,1 | 8 | # | # |
| 70,1 | 8 | | # |
| 73,2 | 8 | | # |
| 76,2 (a) | 2 | | # |

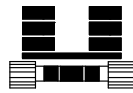
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

REFERENCE ONLY

Explanation of Symbols



Boom No. B10:82A



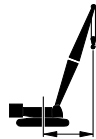
Crane Counterweight
+
Carbody Counterweight



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)

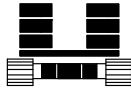
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ASME B30.5



B10



67 860 kg
+
0 kg



360°

| 21,3 m | | | |
|--------|------|------|-----------|
| m | ° | m | kg |
| 4,9 | 82,8 | 23,6 | 204 500 b |
| 5,0 | 82,5 | 23,6 | 200 000 b |
| 5,5 | 81,1 | 23,5 | 183 000 b |
| 6,0 | 79,7 | 23,4 | 168 800 b |
| 7,0 | 77,0 | 23,1 | 142 900 b |
| 8,0 | 74,2 | 22,8 | 114 200 |
| 9,0 | 71,3 | 22,5 | 94 000 |
| 10,0 | 68,4 | 22,1 | 79 500 |
| 11,0 | 65,5 | 21,6 | 68 600 |
| 12,0 | 62,5 | 21,1 | 60 200 |
| 13,0 | 59,3 | 20,5 | 53 500 |
| 14,0 | 56,1 | 19,8 | 48 000 |
| 15,0 | 52,7 | 19,1 | 43 400 |
| 16,0 | 49,1 | 18,2 | 39 700 |
| 18,0 | 41,3 | 16,1 | 33 300 |
| 20,0 | 31,9 | 13,2 | 28 500 |

| 24,4 m | | | |
|--------|------|------|-----------|
| m | ° | m | kg |
| 5,2 | 83,0 | 26,6 | 193 100 b |
| 5,5 | 82,2 | 26,6 | 182 700 b |
| 6,0 | 81,0 | 26,5 | 168 400 b |
| 7,0 | 78,6 | 26,3 | 142 800 b |
| 8,0 | 76,2 | 26,0 | 114 300 |
| 9,0 | 73,8 | 25,7 | 94 000 |
| 10,0 | 71,3 | 25,4 | 79 500 |
| 11,0 | 68,8 | 25,0 | 68 600 |
| 12,0 | 66,2 | 24,5 | 60 200 |
| 13,0 | 63,5 | 24,0 | 53 500 |
| 14,0 | 60,9 | 23,5 | 47 900 |
| 15,0 | 58,1 | 22,8 | 43 400 |
| 16,0 | 55,2 | 22,1 | 39 600 |
| 18,0 | 49,1 | 20,5 | 33 300 |
| 20,0 | 42,4 | 18,4 | 28 500 |
| 22,0 | 34,5 | 15,8 | 24 700 |
| 24,0 | 24,5 | 12,0 | 21 600 |

| 27,4 m | | | |
|--------|------|------|-----------|
| m | ° | m | kg |
| 5,8 | 82,5 | 29,6 | 173 700 b |
| 6,0 | 82,0 | 29,6 | 168 100 b |
| 7,0 | 79,9 | 29,4 | 142 700 b |
| 8,0 | 77,8 | 29,2 | 114 400 |
| 9,0 | 75,6 | 28,9 | 94 100 |
| 10,0 | 73,4 | 28,6 | 79 600 |
| 11,0 | 71,2 | 28,2 | 68 600 |
| 12,0 | 69,0 | 27,9 | 60 200 |
| 13,0 | 66,7 | 27,4 | 53 400 |
| 14,0 | 64,4 | 26,9 | 47 900 |
| 15,0 | 62,0 | 26,4 | 43 300 |
| 16,0 | 59,6 | 25,8 | 39 500 |
| 18,0 | 54,5 | 24,4 | 33 200 |
| 20,0 | 49,1 | 22,8 | 28 400 |
| 22,0 | 43,2 | 20,8 | 24 600 |
| 24,0 | 36,4 | 18,2 | 21 600 |
| 26,0 | 28,3 | 14,9 | 19 000 |

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30,5 m

| m | ° | m | kg |
|------|------|------|-----------|
| 6,1 | 82,7 | 32,6 | 165 500 b |
| 7,0 | 80,9 | 32,5 | 142 800 b |
| 8,0 | 79,0 | 32,3 | 114 600 |
| 9,0 | 77,1 | 32,1 | 94 200 |
| 10,0 | 75,1 | 31,8 | 79 700 |
| 11,0 | 73,2 | 31,5 | 68 700 |
| 12,0 | 71,2 | 31,1 | 60 300 |
| 13,0 | 69,2 | 30,7 | 53 500 |
| 14,0 | 67,1 | 30,3 | 48 000 |
| 15,0 | 65,1 | 29,8 | 43 400 |
| 16,0 | 62,9 | 29,3 | 39 600 |
| 18,0 | 58,6 | 28,1 | 33 300 |
| 20,0 | 54,0 | 26,7 | 28 500 |
| 22,0 | 49,1 | 25,1 | 24 700 |
| 24,0 | 43,8 | 23,1 | 21 700 |
| 26,0 | 37,9 | 20,7 | 19 100 |
| 28,0 | 31,0 | 17,6 | 17 000 |
| 30,0 | 22,2 | 13,4 | 15 100 |

33,5 m

| m | ° | m | kg |
|------|------|------|---------|
| 6,7 | 82,3 | 35,6 | 150 800 |
| 7,0 | 81,8 | 35,6 | 142 700 |
| 8,0 | 80,0 | 35,4 | 114 600 |
| 9,0 | 78,3 | 35,2 | 94 200 |
| 10,0 | 76,5 | 34,9 | 79 600 |
| 11,0 | 74,8 | 34,7 | 68 600 |
| 12,0 | 73,0 | 34,4 | 60 200 |
| 13,0 | 71,2 | 34,0 | 53 400 |
| 14,0 | 69,3 | 33,6 | 47 800 |
| 15,0 | 67,5 | 33,2 | 43 300 |
| 16,0 | 65,6 | 32,7 | 39 500 |
| 18,0 | 61,7 | 31,7 | 33 200 |
| 20,0 | 57,7 | 30,5 | 28 300 |
| 22,0 | 53,5 | 29,1 | 24 600 |
| 24,0 | 49,1 | 27,4 | 21 500 |
| 26,0 | 44,3 | 25,4 | 18 900 |
| 28,0 | 39,0 | 23,1 | 16 800 |
| 30,0 | 33,1 | 20,2 | 15 000 |
| 32,0 | 25,8 | 16,5 | 13 400 |

36,6 m

| m | ° | m | kg |
|------|------|------|---------|
| 6,7 | 82,9 | 38,7 | 147 100 |
| 7,0 | 82,5 | 38,7 | 140 800 |
| 8,0 | 80,9 | 38,5 | 114 700 |
| 9,0 | 79,3 | 38,3 | 94 300 |
| 10,0 | 77,7 | 38,1 | 79 700 |
| 11,0 | 76,1 | 37,8 | 68 600 |
| 12,0 | 74,4 | 37,5 | 60 200 |
| 13,0 | 72,8 | 37,2 | 53 400 |
| 14,0 | 71,1 | 36,9 | 47 800 |
| 15,0 | 69,5 | 36,5 | 43 200 |
| 16,0 | 67,8 | 36,1 | 39 500 |
| 18,0 | 64,3 | 35,2 | 33 100 |
| 20,0 | 60,7 | 34,1 | 28 300 |
| 22,0 | 57,0 | 32,8 | 24 600 |
| 24,0 | 53,2 | 31,4 | 21 500 |
| 26,0 | 49,1 | 29,7 | 18 900 |
| 28,0 | 44,7 | 27,7 | 16 800 |
| 30,0 | 40,0 | 25,5 | 15 000 |
| 32,0 | 34,7 | 22,7 | 13 400 |
| 34,0 | 28,5 | 19,3 | 12 000 |
| 36,0 | 20,6 | 14,7 | 10 800 |

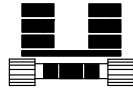
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ASME B30.5



B10



67 860 kg
+
0 kg



360°

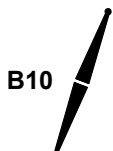
| 39,6 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 7,3 | 82,6 | 41,7 | 133 800 |
| 8,0 | 81,6 | 41,6 | 114 800 |
| 9,0 | 80,1 | 41,4 | 94 300 |
| 10,0 | 78,6 | 41,2 | 79 700 |
| 11,0 | 77,2 | 41,0 | 68 600 |
| 12,0 | 75,7 | 40,7 | 60 200 |
| 13,0 | 74,2 | 40,4 | 53 300 |
| 14,0 | 72,6 | 40,1 | 47 800 |
| 15,0 | 71,1 | 39,8 | 43 200 |
| 16,0 | 69,6 | 39,4 | 39 400 |
| 18,0 | 66,4 | 38,5 | 33 000 |
| 20,0 | 63,2 | 37,6 | 28 200 |
| 22,0 | 59,9 | 36,4 | 24 500 |
| 24,0 | 56,4 | 35,1 | 21 400 |
| 26,0 | 52,8 | 33,7 | 18 800 |
| 28,0 | 49,1 | 32,0 | 16 700 |
| 30,0 | 45,1 | 30,1 | 14 900 |
| 32,0 | 40,7 | 27,8 | 13 300 |
| 34,0 | 36,0 | 25,2 | 11 900 |
| 36,0 | 30,5 | 22,0 | 10 700 |
| 38,0 | 24,0 | 18,0 | 9 600 |

| 42,7 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 7,9 | 82,3 | 44,7 | 116 500 |
| 8,0 | 82,2 | 44,7 | 114 800 |
| 9,0 | 80,8 | 44,5 | 94 300 |
| 10,0 | 79,5 | 44,3 | 79 600 |
| 11,0 | 78,1 | 44,1 | 68 600 |
| 12,0 | 76,7 | 43,9 | 60 100 |
| 13,0 | 75,3 | 43,6 | 53 300 |
| 14,0 | 73,9 | 43,3 | 47 700 |
| 15,0 | 72,5 | 43,0 | 43 100 |
| 16,0 | 71,1 | 42,6 | 39 300 |
| 18,0 | 68,2 | 41,9 | 33 000 |
| 20,0 | 65,3 | 41,0 | 28 200 |
| 22,0 | 62,2 | 39,9 | 24 400 |
| 24,0 | 59,1 | 38,8 | 21 300 |
| 26,0 | 55,9 | 37,5 | 18 800 |
| 28,0 | 52,6 | 36,0 | 16 600 |
| 30,0 | 49,1 | 34,3 | 14 800 |
| 32,0 | 45,4 | 32,4 | 13 200 |
| 34,0 | 41,4 | 30,2 | 11 900 |
| 36,0 | 37,0 | 27,7 | 10 700 |
| 38,0 | 32,2 | 24,7 | 9 600 |
| 40,0 | 26,6 | 21,0 | 8 600 |
| 42,0 | 19,4 | 16,0 | 7 700 |

| 45,7 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 7,9 | 82,8 | 47,8 | 116 500 |
| 8,0 | 82,7 | 47,8 | 114 800 |
| 9,0 | 81,4 | 47,6 | 94 200 |
| 10,0 | 80,2 | 47,4 | 79 600 |
| 11,0 | 78,9 | 47,2 | 68 400 |
| 12,0 | 77,6 | 47,0 | 60 000 |
| 13,0 | 76,3 | 46,8 | 53 200 |
| 14,0 | 75,0 | 46,5 | 47 500 |
| 15,0 | 73,7 | 46,2 | 42 900 |
| 16,0 | 72,4 | 45,9 | 39 100 |
| 18,0 | 69,7 | 45,1 | 32 800 |
| 20,0 | 67,0 | 44,3 | 28 000 |
| 22,0 | 64,3 | 43,4 | 24 200 |
| 24,0 | 61,4 | 42,3 | 21 100 |
| 26,0 | 58,5 | 41,1 | 18 500 |
| 28,0 | 55,5 | 39,8 | 16 400 |
| 30,0 | 52,3 | 38,3 | 14 600 |
| 32,0 | 49,1 | 36,6 | 13 000 |
| 34,0 | 45,6 | 34,7 | 11 600 |
| 36,0 | 41,9 | 32,5 | 10 400 |
| 38,0 | 37,9 | 30,1 | 9 400 |
| 40,0 | 33,6 | 27,2 | 8 400 |
| 42,0 | 28,6 | 23,8 | 7 500 |
| 44,0 | 22,6 | 19,4 | 6 700 |

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48,8 m

| m | ° | m | kg |
|------|------|------|---------|
| 8,5 | 82,5 | 50,8 | 102 700 |
| 9,0 | 82,0 | 50,7 | 94 200 |
| 10,0 | 80,8 | 50,5 | 79 500 |
| 11,0 | 79,6 | 50,3 | 68 400 |
| 12,0 | 78,4 | 50,1 | 59 900 |
| 13,0 | 77,2 | 49,9 | 53 100 |
| 14,0 | 76,0 | 49,6 | 47 500 |
| 15,0 | 74,8 | 49,4 | 42 800 |
| 16,0 | 73,5 | 49,1 | 39 100 |
| 18,0 | 71,1 | 48,4 | 32 700 |
| 20,0 | 68,5 | 47,6 | 27 800 |
| 22,0 | 66,0 | 46,8 | 24 100 |
| 24,0 | 63,4 | 45,8 | 21 000 |
| 26,0 | 60,7 | 44,7 | 18 400 |
| 28,0 | 57,9 | 43,5 | 16 300 |
| 30,0 | 55,1 | 42,1 | 14 500 |
| 32,0 | 52,1 | 40,6 | 12 900 |
| 34,0 | 49,1 | 38,9 | 11 500 |
| 36,0 | 45,8 | 37,0 | 10 300 |
| 38,0 | 42,4 | 34,9 | 9 300 |
| 40,0 | 38,7 | 32,5 | 8 300 |
| 42,0 | 34,7 | 29,7 | 7 400 |
| 44,0 | 30,2 | 26,5 | 6 600 |
| 46,0 | 25,0 | 22,5 | 5 900 |
| 48,0 | 18,5 | 17,3 | 5 200 |

51,8 m

| m | ° | m | kg |
|------|------|------|---------|
| 8,5 | 83,0 | 53,8 | 102 600 |
| 9,0 | 82,5 | 53,8 | 94 200 |
| 10,0 | 81,3 | 53,6 | 79 400 |
| 11,0 | 80,2 | 53,4 | 68 300 |
| 12,0 | 79,1 | 53,2 | 59 800 |
| 13,0 | 78,0 | 53,0 | 53 000 |
| 14,0 | 76,8 | 52,8 | 47 300 |
| 15,0 | 75,7 | 52,5 | 42 700 |
| 16,0 | 74,5 | 52,3 | 38 900 |
| 18,0 | 72,2 | 51,6 | 32 500 |
| 20,0 | 69,9 | 50,9 | 27 700 |
| 22,0 | 67,5 | 50,1 | 23 900 |
| 24,0 | 65,1 | 49,2 | 20 800 |
| 26,0 | 62,6 | 48,2 | 18 300 |
| 28,0 | 60,0 | 47,0 | 16 200 |
| 30,0 | 57,4 | 45,8 | 14 300 |
| 32,0 | 54,7 | 44,4 | 12 700 |
| 34,0 | 52,0 | 42,9 | 11 400 |
| 36,0 | 49,1 | 41,2 | 10 200 |
| 38,0 | 46,0 | 39,3 | 9 100 |
| 40,0 | 42,8 | 37,2 | 8 100 |
| 42,0 | 39,4 | 34,9 | 7 300 |
| 44,0 | 35,7 | 32,2 | 6 500 |
| 46,0 | 31,6 | 29,1 | 5 800 |
| 48,0 | 27,0 | 25,4 | 5 100 |
| 50,0 | 21,5 | 20,8 | 4 500 |

54,9 m

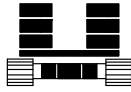
| m | ° | m | kg |
|------|------|------|--------|
| 9,1 | 82,7 | 56,8 | 91 500 |
| 10,0 | 81,8 | 56,7 | 79 400 |
| 11,0 | 80,8 | 56,5 | 68 200 |
| 12,0 | 79,7 | 56,4 | 59 700 |
| 13,0 | 78,6 | 56,2 | 52 900 |
| 14,0 | 77,6 | 55,9 | 47 200 |
| 15,0 | 76,5 | 55,7 | 42 600 |
| 16,0 | 75,4 | 55,4 | 38 800 |
| 18,0 | 73,2 | 54,8 | 32 400 |
| 20,0 | 71,0 | 54,2 | 27 600 |
| 22,0 | 68,8 | 53,4 | 23 800 |
| 24,0 | 66,5 | 52,5 | 20 700 |
| 26,0 | 64,2 | 51,6 | 18 100 |
| 28,0 | 61,9 | 50,6 | 16 000 |
| 30,0 | 59,5 | 49,4 | 14 200 |
| 32,0 | 57,0 | 48,1 | 12 600 |
| 34,0 | 54,4 | 46,7 | 11 200 |
| 36,0 | 51,8 | 45,2 | 10 000 |
| 38,0 | 49,0 | 43,5 | 9 000 |
| 40,0 | 46,2 | 41,6 | 8 000 |
| 42,0 | 43,2 | 39,5 | 7 100 |
| 44,0 | 40,0 | 37,2 | 6 400 |
| 46,0 | 36,6 | 34,6 | 5 700 |
| 48,0 | 32,8 | 31,7 | 5 000 |
| 50,0 | 28,6 | 28,2 | 4 400 |
| 52,0 | 23,8 | 24,0 | 3 800 |

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ASME B30.5



B10



67 860 kg
+
0 kg



360°

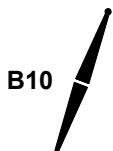
| 57,9 m | | | |
|--------|------|------|--------|
| m | ° | m | kg |
| 9,8 | 82,5 | 59,8 | 82 400 |
| 10,0 | 82,3 | 59,8 | 79 300 |
| 11,0 | 81,3 | 59,6 | 68 100 |
| 12,0 | 80,3 | 59,5 | 59 600 |
| 13,0 | 79,2 | 59,3 | 52 700 |
| 14,0 | 78,2 | 59,1 | 47 100 |
| 15,0 | 77,2 | 58,8 | 42 500 |
| 16,0 | 76,2 | 58,6 | 38 600 |
| 18,0 | 74,2 | 58,0 | 32 200 |
| 20,0 | 72,1 | 57,4 | 27 400 |
| 22,0 | 70,0 | 56,7 | 23 600 |
| 24,0 | 67,8 | 55,9 | 20 500 |
| 26,0 | 65,7 | 55,0 | 17 900 |
| 28,0 | 63,5 | 54,0 | 15 800 |
| 30,0 | 61,2 | 52,9 | 14 000 |
| 32,0 | 58,9 | 51,7 | 12 400 |
| 34,0 | 56,6 | 50,4 | 11 000 |
| 36,0 | 54,1 | 49,0 | 9 800 |
| 38,0 | 51,6 | 47,5 | 8 700 |
| 40,0 | 49,0 | 45,8 | 7 800 |
| 42,0 | 46,3 | 43,9 | 6 900 |
| 44,0 | 43,5 | 41,9 | 6 100 |
| 46,0 | 40,5 | 39,6 | 5 400 |
| 48,0 | 37,3 | 37,1 | 4 800 |
| 50,0 | 33,9 | 34,2 | 4 200 |
| 52,0 | 30,0 | 30,9 | 3 600 |
| 54,0 | 25,7 | 27,0 | 3 100 |
| 56,0 | 20,5 | 22,2 | 2 600 |

| 61,0 m | | | |
|--------|------|------|--------|
| m | ° | m | kg |
| 9,8 | 82,9 | 62,9 | 80 200 |
| 10,0 | 82,7 | 62,9 | 78 000 |
| 11,0 | 81,7 | 62,7 | 68 000 |
| 12,0 | 80,7 | 62,6 | 59 500 |
| 13,0 | 79,8 | 62,4 | 52 600 |
| 14,0 | 78,8 | 62,2 | 47 000 |
| 15,0 | 77,9 | 62,0 | 42 300 |
| 16,0 | 76,9 | 61,7 | 38 500 |
| 18,0 | 75,0 | 61,2 | 32 100 |
| 20,0 | 73,0 | 60,6 | 27 200 |
| 22,0 | 71,0 | 59,9 | 23 400 |
| 24,0 | 69,0 | 59,2 | 20 300 |
| 26,0 | 67,0 | 58,3 | 17 800 |
| 28,0 | 64,9 | 57,4 | 15 600 |
| 30,0 | 62,8 | 56,4 | 13 800 |
| 32,0 | 60,7 | 55,3 | 12 200 |
| 34,0 | 58,5 | 54,1 | 10 900 |
| 36,0 | 56,2 | 52,8 | 9 600 |
| 38,0 | 53,9 | 51,3 | 8 600 |
| 40,0 | 51,5 | 49,8 | 7 600 |
| 42,0 | 49,0 | 48,1 | 6 800 |
| 44,0 | 46,5 | 46,2 | 6 000 |
| 46,0 | 43,8 | 44,2 | 5 300 |
| 48,0 | 41,0 | 41,9 | 4 600 |
| 50,0 | 38,0 | 39,5 | 4 000 |
| 52,0 | 34,8 | 36,7 | 3 500 |
| 54,0 | 31,2 | 33,5 | 3 000 |
| 56,0 | 27,3 | 29,9 | 2 500 |

| 64,0 m | | | |
|--------|------|------|--------|
| m | ° | m | kg |
| 10,4 | 82,7 | 65,9 | 74 600 |
| 11,0 | 82,1 | 65,8 | 67 900 |
| 12,0 | 81,2 | 65,6 | 59 400 |
| 13,0 | 80,3 | 65,5 | 52 500 |
| 14,0 | 79,4 | 65,3 | 46 800 |
| 15,0 | 78,5 | 65,1 | 42 200 |
| 16,0 | 77,5 | 64,8 | 38 400 |
| 18,0 | 75,7 | 64,4 | 31 900 |
| 20,0 | 73,8 | 63,8 | 27 100 |
| 22,0 | 72,0 | 63,1 | 23 300 |
| 24,0 | 70,1 | 62,4 | 20 200 |
| 26,0 | 68,1 | 61,6 | 17 600 |
| 28,0 | 66,2 | 60,8 | 15 500 |
| 30,0 | 64,2 | 59,8 | 13 600 |
| 32,0 | 62,2 | 58,8 | 12 000 |
| 34,0 | 60,1 | 57,7 | 10 700 |
| 36,0 | 58,0 | 56,4 | 9 500 |
| 38,0 | 55,9 | 55,1 | 8 400 |
| 40,0 | 53,7 | 53,7 | 7 400 |
| 42,0 | 51,4 | 52,1 | 6 600 |
| 44,0 | 49,0 | 50,4 | 5 800 |
| 46,0 | 46,6 | 48,5 | 5 100 |
| 48,0 | 44,1 | 46,5 | 4 400 |
| 50,0 | 41,4 | 44,3 | 3 800 |
| 52,0 | 38,6 | 41,9 | 3 300 |
| 54,0 | 35,6 | 39,2 | 2 800 |
| 56,0 | 32,3 | 36,1 | 2 300 |

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67,1 m

| m | o | m | kg |
|------|------|------|--------|
| 10,4 | 83,0 | 69,0 | 70 400 |
| 11,0 | 82,5 | 68,9 | 67 800 |
| 12,0 | 81,6 | 68,7 | 59 300 |
| 13,0 | 80,7 | 68,6 | 52 400 |
| 14,0 | 79,9 | 68,4 | 46 700 |
| 15,0 | 79,0 | 68,2 | 42 000 |
| 16,0 | 78,1 | 68,0 | 38 200 |
| 18,0 | 76,4 | 67,5 | 31 800 |
| 20,0 | 74,6 | 67,0 | 26 900 |
| 22,0 | 72,8 | 66,4 | 23 100 |
| 24,0 | 71,0 | 65,7 | 20 000 |
| 26,0 | 69,2 | 64,9 | 17 400 |
| 28,0 | 67,3 | 64,1 | 15 300 |
| 30,0 | 65,5 | 63,2 | 13 500 |
| 32,0 | 63,6 | 62,2 | 11 900 |
| 34,0 | 61,6 | 61,2 | 10 500 |
| 36,0 | 59,6 | 60,0 | 9 300 |
| 38,0 | 57,6 | 58,8 | 8 200 |
| 40,0 | 55,6 | 57,4 | 7 300 |
| 42,0 | 53,5 | 56,0 | 6 400 |
| 44,0 | 51,3 | 54,4 | 5 600 |
| 46,0 | 49,0 | 52,7 | 4 900 |
| 48,0 | 46,7 | 50,8 | 4 300 |
| 50,0 | 44,3 | 48,8 | 3 700 |
| 52,0 | 41,8 | 46,6 | 3 100 |
| 54,0 | 39,1 | 44,2 | 2 600 |
| 56,0 | 36,3 | 41,6 | 2 200 |

70,1 m

| m | o | m | kg |
|------|------|------|--------|
| 11,0 | 82,8 | 72,0 | 63 600 |
| 12,0 | 82,0 | 71,8 | 59 100 |
| 13,0 | 81,1 | 71,7 | 52 200 |
| 14,0 | 80,3 | 71,5 | 46 500 |
| 15,0 | 79,5 | 71,3 | 41 900 |
| 16,0 | 78,6 | 71,1 | 38 000 |
| 18,0 | 77,0 | 70,6 | 31 600 |
| 20,0 | 75,3 | 70,1 | 26 700 |
| 22,0 | 73,6 | 69,5 | 22 900 |
| 24,0 | 71,9 | 68,9 | 19 800 |
| 26,0 | 70,1 | 68,2 | 17 200 |
| 28,0 | 68,4 | 67,4 | 15 100 |
| 30,0 | 66,6 | 66,6 | 13 200 |
| 32,0 | 64,8 | 65,6 | 11 600 |
| 34,0 | 63,0 | 64,6 | 10 300 |
| 36,0 | 61,1 | 63,5 | 9 000 |
| 38,0 | 59,2 | 62,4 | 8 000 |
| 40,0 | 57,3 | 61,1 | 7 000 |
| 42,0 | 55,3 | 59,7 | 6 100 |
| 44,0 | 53,3 | 58,3 | 5 400 |
| 46,0 | 51,2 | 56,7 | 4 700 |
| 48,0 | 49,0 | 55,0 | 4 000 |
| 50,0 | 46,8 | 53,1 | 3 400 |
| 52,0 | 44,5 | 51,1 | 2 900 |
| 54,0 | 42,1 | 49,0 | 2 400 |
| 56,0 | 39,6 | 46,6 | 1 900 |

73,2 m

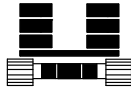
| m | o | m | kg |
|------|------|------|--------|
| 11,6 | 82,6 | 75,0 | 57 600 |
| 12,0 | 82,3 | 74,9 | 57 400 |
| 13,0 | 81,5 | 74,7 | 52 100 |
| 14,0 | 80,7 | 74,6 | 46 400 |
| 15,0 | 79,9 | 74,4 | 41 700 |
| 16,0 | 79,1 | 74,2 | 37 900 |
| 18,0 | 77,5 | 73,8 | 31 400 |
| 20,0 | 75,9 | 73,3 | 26 500 |
| 22,0 | 74,3 | 72,7 | 22 700 |
| 24,0 | 72,6 | 72,1 | 19 600 |
| 26,0 | 71,0 | 71,4 | 17 000 |
| 28,0 | 69,3 | 70,7 | 14 900 |
| 30,0 | 67,6 | 69,9 | 13 000 |
| 32,0 | 65,9 | 69,0 | 11 400 |
| 34,0 | 64,2 | 68,0 | 10 100 |
| 36,0 | 62,4 | 67,0 | 8 900 |
| 38,0 | 60,6 | 65,9 | 7 800 |
| 40,0 | 58,8 | 64,7 | 6 800 |
| 42,0 | 56,9 | 63,4 | 6 000 |
| 44,0 | 55,0 | 62,1 | 5 200 |
| 46,0 | 53,1 | 60,6 | 4 500 |
| 48,0 | 51,1 | 59,0 | 3 800 |
| 50,0 | 49,0 | 57,3 | 3 200 |
| 52,0 | 46,9 | 55,4 | 2 700 |
| 54,0 | 44,7 | 53,5 | 2 200 |

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B10



67 860 kg
+
0 kg



| m | ° | m | kg |
|-------|-------|-------|--------|
| 11,6 | 82,9 | 78,0 | 52 700 |
| 12,0 | 82,6 | 78,0 | 52 400 |
| 13,0 | 81,9 | 77,8 | 51 100 |
| 14,0 | 81,1 | 77,7 | 46 600 |
| 15,0 | 80,3 | 77,5 | 41 900 |
| 16,0 | 79,6 | 77,3 | 38 000 |
| 18,0 | 78,0 | 76,9 | 31 600 |
| 20,0 | 76,5 | 76,4 | 26 700 |
| 22,0 | 74,9 | 75,9 | 22 900 |
| 24,0 | 73,4 | 75,3 | 19 700 |
| 26,0 | 71,8 | 74,7 | 17 200 |
| 28,0 | 70,2 | 74,0 | 15 000 |
| 30,0 | 68,6 | 73,2 | 13 200 |
| 32,0 | 66,9 | 72,3 | 11 600 |
| 34,0 | 65,3 | 71,4 | 10 200 |
| 36,0 | 63,6 | 70,5 | 9 000 |
| 38,0 | 61,9 | 69,4 | 7 900 |
| 40,0 | 60,2 | 68,3 | 7 000 |
| 42,0 | 58,4 | 67,1 | 6 100 |
| 44,0 | 56,6 | 65,8 | 5 300 |
| 46,0 | 54,8 | 64,4 | 4 600 |
| 48,0 | 52,9 | 62,9 | 4 000 |
| 50,0 | 51,0 | 61,3 | 3 400 |
| 52,0 | 49,0 | 59,6 | 2 800 |
| 54,0 | 47,0 | 57,8 | 2 300 |
| 56,0 | 44,9 | 55,8 | 1 900 |

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