

Liftcrane Boom Capacities With Luffing Jib Attached


Boom No. B10:500

Luffing Jib No. LJ10:501

175 200 kg VPC (Variable Position Counterweight)

360 Degree Rating


MLC300 SERIES 2


 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths, luffing jib lengths, boom-to-luffing jib angles, and boom 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.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of load. Weight of luffing jib and 5 000 kg suspended beneath luffing jib point sheaves have been included in capacity determination. 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 on a firm, level, and uniformly supporting surface. Supporting surface and bearing turntable are to be level within a tolerance of 13 mm in 3 m. During operation, luffing jib must be maintained at proper boom-to-luffing jib angle shown in table. Refer to Luffing Jib Rigging **No. 81023383**, Wire Rope Specifications chart **No. 9813-A**, Counterweight Arrangements chart **No. 9345-A**, Luffing Jib Raising Procedure chart **No. 9380-AM**, and Wind Conditions chart **No. 9371-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 and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9372-A**.

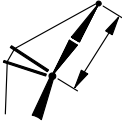
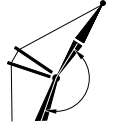
 **OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

 **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 9 700 mm crawlers, 1 219 mm or 1 524 mm treads, 9 144 mm live mast, 24 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 175 200 kg VPC.

Consult chart **No. 9377-AM** for luffing jib capacities.

| Luffing Jib Position During Operation | |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |
| Luffing Jib Length Meters | Boom-to-Luffing Jib Angle Degrees |
| 24,0 - 30,0 | 140 |
| 36,0 - 48,0 | 155 |
| 54,0 - 96,0 | 169 |

Explanation of Symbols



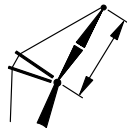
LJ10 Luffing Jib No. LJ10:501
+
B10 Boom No. B10:500



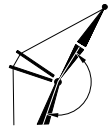
VPC (Variable Position Counterweight)



360°
360 Degree Rating



Luffing Jib Length



Boom-to-Luffing Jib Angle



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



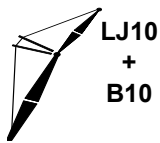
Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

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175 200 kg



360°



24,0 m



140°

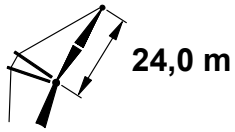
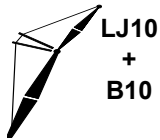
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 266 700 |
| 6,0 | 83,5 | 31,9 | 266 700 |
| 6,5 | 82,5 | 31,8 | 266 700 |
| 7,0 | 81,6 | 31,7 | 266 700 |
| 7,5 | 80,6 | 31,6 | 263 200 |
| 8,0 | 79,6 | 31,5 | 253 200 |
| 9,0 | 77,6 | 31,2 | 227 100 |
| 10,0 | 75,7 | 31,0 | 193 600 |
| 11,0 | 73,7 | 30,7 | 166 900 |
| 12,0 | 71,6 | 30,3 | 146 300 |
| 13,0 | 69,6 | 29,9 | 130 600 |
| 14,0 | 67,5 | 29,5 | 116 100 |
| 15,0 | 65,4 | 29,0 | 102 700 |
| 16,0 | 63,2 | 28,5 | 91 700 |
| 17,0 | 61,0 | 27,9 | 81 900 |
| 18,0 | 58,8 | 27,3 | 73 800 |
| 19,0 | 56,5 | 26,6 | 66 700 |
| 20,0 | 54,1 | 25,8 | 60 300 |
| 21,0 | 51,6 | 25,0 | 54 800 |
| 22,0 | 49,0 | 24,1 | 49 900 |
| 24,0 | 43,6 | 22,1 | 41 400 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 265 300 |
| 6,0 | 84,6 | 37,9 | 264 300 |
| 6,5 | 83,8 | 37,8 | 261 700 |
| 7,0 | 83,0 | 37,8 | 259 300 |
| 7,5 | 82,2 | 37,7 | 255 300 |
| 8,0 | 81,4 | 37,6 | 247 800 |
| 9,0 | 79,7 | 37,4 | 225 900 |
| 10,0 | 78,1 | 37,2 | 195 600 |
| 11,0 | 76,5 | 36,9 | 168 700 |
| 12,0 | 74,8 | 36,6 | 148 200 |
| 13,0 | 73,1 | 36,3 | 132 000 |
| 14,0 | 71,5 | 36,0 | 117 200 |
| 15,0 | 69,7 | 35,6 | 103 800 |
| 16,0 | 68,0 | 35,2 | 92 700 |
| 17,0 | 66,3 | 34,7 | 82 800 |
| 18,0 | 64,5 | 34,2 | 74 600 |
| 19,0 | 62,7 | 33,7 | 67 500 |
| 20,0 | 60,9 | 33,1 | 61 100 |
| 21,0 | 59,0 | 32,5 | 55 600 |
| 22,0 | 57,1 | 31,8 | 50 600 |
| 24,0 | 53,1 | 30,3 | 42 100 |
| 26,0 | 48,9 | 28,6 | 35 000 |
| 28,0 | 44,4 | 26,6 | 29 300 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 240 100 |
| 6,5 | 84,7 | 43,9 | 239 700 |
| 7,0 | 84,0 | 43,8 | 237 400 |
| 7,5 | 83,3 | 43,8 | 235 200 |
| 8,0 | 82,6 | 43,7 | 232 900 |
| 9,0 | 81,2 | 43,5 | 220 400 |
| 10,0 | 79,8 | 43,3 | 196 700 |
| 11,0 | 78,4 | 43,1 | 169 700 |
| 12,0 | 77,0 | 42,9 | 149 400 |
| 13,0 | 75,6 | 42,6 | 133 100 |
| 14,0 | 74,2 | 42,3 | 117 900 |
| 15,0 | 72,8 | 42,0 | 104 400 |
| 16,0 | 71,3 | 41,6 | 93 300 |
| 17,0 | 69,9 | 41,2 | 83 400 |
| 18,0 | 68,4 | 40,8 | 75 200 |
| 19,0 | 66,9 | 40,4 | 68 000 |
| 20,0 | 65,4 | 39,9 | 61 500 |
| 21,0 | 63,9 | 39,4 | 56 000 |
| 22,0 | 62,3 | 38,9 | 51 000 |
| 24,0 | 59,1 | 37,7 | 42 500 |
| 26,0 | 55,8 | 36,3 | 35 400 |
| 28,0 | 52,4 | 34,8 | 29 600 |
| 30,0 | 48,8 | 33,1 | 24 600 |
| 32,0 | 45,0 | 31,1 | 20 300 |

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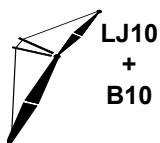


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 217 400 |
| 7,5 | 84,1 | 49,8 | 216 700 |
| 8,0 | 83,5 | 49,8 | 214 900 |
| 9,0 | 82,3 | 49,6 | 211 500 |
| 10,0 | 81,1 | 49,4 | 195 900 |
| 11,0 | 79,9 | 49,3 | 170 900 |
| 12,0 | 78,7 | 49,0 | 150 500 |
| 13,0 | 77,5 | 48,8 | 133 700 |
| 14,0 | 76,2 | 48,5 | 118 200 |
| 15,0 | 75,0 | 48,3 | 104 700 |
| 16,0 | 73,7 | 48,0 | 93 500 |
| 17,0 | 72,5 | 47,6 | 83 600 |
| 18,0 | 71,2 | 47,3 | 75 300 |
| 19,0 | 69,9 | 46,9 | 68 200 |
| 20,0 | 68,7 | 46,5 | 61 600 |
| 21,0 | 67,4 | 46,1 | 56 100 |
| 22,0 | 66,1 | 45,6 | 51 100 |
| 24,0 | 63,4 | 44,6 | 42 500 |
| 26,0 | 60,6 | 43,5 | 35 400 |
| 28,0 | 57,8 | 42,2 | 29 500 |
| 30,0 | 54,9 | 40,8 | 24 500 |
| 32,0 | 51,9 | 39,3 | 20 200 |
| 34,0 | 48,7 | 37,5 | 16 500 |
| 36,0 | 45,4 | 35,6 | 13 200 |
| 38,0 | 41,9 | 33,4 | 10 300 |

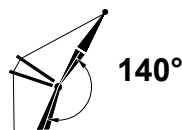
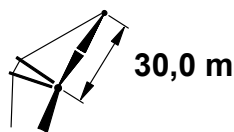
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175 200 kg



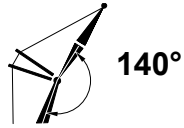
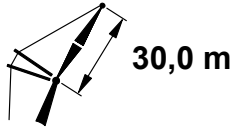
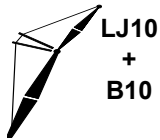
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 266 700 |
| 6,0 | 83,5 | 31,9 | 266 700 |
| 6,5 | 82,5 | 31,8 | 266 700 |
| 7,0 | 81,6 | 31,7 | 266 200 |
| 7,5 | 80,6 | 31,6 | 262 400 |
| 8,0 | 79,6 | 31,5 | 253 200 |
| 9,0 | 77,6 | 31,2 | 226 600 |
| 10,0 | 75,7 | 31,0 | 192 100 |
| 11,0 | 73,7 | 30,7 | 164 800 |
| 12,0 | 71,6 | 30,3 | 143 800 |
| 13,0 | 69,6 | 29,9 | 125 800 |
| 14,0 | 67,5 | 29,5 | 109 500 |
| 15,0 | 65,4 | 29,0 | 96 500 |
| 16,0 | 63,2 | 28,5 | 85 800 |
| 17,0 | 61,0 | 27,9 | 76 300 |
| 18,0 | 58,8 | 27,3 | 68 400 |
| 19,0 | 56,5 | 26,6 | 61 600 |
| 20,0 | 54,1 | 25,8 | 55 400 |
| 21,0 | 51,6 | 25,0 | 50 000 |
| 22,0 | 49,0 | 24,1 | 45 300 |
| 24,0 | 43,6 | 22,1 | 37 100 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 258 800 |
| 6,0 | 84,6 | 37,9 | 257 700 |
| 6,5 | 83,8 | 37,8 | 255 100 |
| 7,0 | 83,0 | 37,8 | 252 700 |
| 7,5 | 82,2 | 37,7 | 250 400 |
| 8,0 | 81,4 | 37,6 | 246 800 |
| 9,0 | 79,7 | 37,4 | 225 900 |
| 10,0 | 78,1 | 37,2 | 194 600 |
| 11,0 | 76,5 | 36,9 | 167 100 |
| 12,0 | 74,8 | 36,6 | 145 500 |
| 13,0 | 73,1 | 36,3 | 127 200 |
| 14,0 | 71,5 | 36,0 | 110 800 |
| 15,0 | 69,7 | 35,6 | 97 800 |
| 16,0 | 68,0 | 35,2 | 87 000 |
| 17,0 | 66,3 | 34,7 | 77 500 |
| 18,0 | 64,5 | 34,2 | 69 500 |
| 19,0 | 62,7 | 33,7 | 62 600 |
| 20,0 | 60,9 | 33,1 | 56 300 |
| 21,0 | 59,0 | 32,5 | 51 000 |
| 22,0 | 57,1 | 31,8 | 46 200 |
| 24,0 | 53,1 | 30,3 | 37 900 |
| 26,0 | 48,9 | 28,6 | 31 100 |
| 28,0 | 44,4 | 26,6 | 25 500 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 234 200 |
| 6,5 | 84,7 | 43,9 | 233 700 |
| 7,0 | 84,0 | 43,8 | 231 400 |
| 7,5 | 83,3 | 43,8 | 229 200 |
| 8,0 | 82,6 | 43,7 | 227 100 |
| 9,0 | 81,2 | 43,5 | 219 400 |
| 10,0 | 79,8 | 43,3 | 195 500 |
| 11,0 | 78,4 | 43,1 | 168 900 |
| 12,0 | 77,0 | 42,9 | 146 700 |
| 13,0 | 75,6 | 42,6 | 128 100 |
| 14,0 | 74,2 | 42,3 | 111 700 |
| 15,0 | 72,8 | 42,0 | 98 600 |
| 16,0 | 71,3 | 41,6 | 87 800 |
| 17,0 | 69,9 | 41,2 | 78 200 |
| 18,0 | 68,4 | 40,8 | 70 200 |
| 19,0 | 66,9 | 40,4 | 63 200 |
| 20,0 | 65,4 | 39,9 | 56 900 |
| 21,0 | 63,9 | 39,4 | 51 500 |
| 22,0 | 62,3 | 38,9 | 46 700 |
| 24,0 | 59,1 | 37,7 | 38 400 |
| 26,0 | 55,8 | 36,3 | 31 500 |
| 28,0 | 52,4 | 34,8 | 25 900 |
| 30,0 | 48,8 | 33,1 | 21 100 |
| 32,0 | 45,0 | 31,1 | 16 900 |

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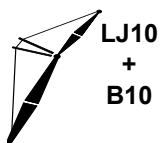


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 212 200 |
| 7,5 | 84,1 | 49,8 | 211 500 |
| 8,0 | 83,5 | 49,8 | 209 700 |
| 9,0 | 82,3 | 49,6 | 205 900 |
| 10,0 | 81,1 | 49,4 | 191 400 |
| 11,0 | 79,9 | 49,3 | 168 100 |
| 12,0 | 78,7 | 49,0 | 147 000 |
| 13,0 | 77,5 | 48,8 | 128 600 |
| 14,0 | 76,2 | 48,5 | 112 200 |
| 15,0 | 75,0 | 48,3 | 99 000 |
| 16,0 | 73,7 | 48,0 | 88 100 |
| 17,0 | 72,5 | 47,6 | 78 500 |
| 18,0 | 71,2 | 47,3 | 70 400 |
| 19,0 | 69,9 | 46,9 | 63 500 |
| 20,0 | 68,7 | 46,5 | 57 100 |
| 21,0 | 67,4 | 46,1 | 51 700 |
| 22,0 | 66,1 | 45,6 | 46 900 |
| 24,0 | 63,4 | 44,6 | 38 500 |
| 26,0 | 60,6 | 43,5 | 31 600 |
| 28,0 | 57,8 | 42,2 | 25 900 |
| 30,0 | 54,9 | 40,8 | 21 100 |
| 32,0 | 51,9 | 39,3 | 16 900 |
| 34,0 | 48,7 | 37,5 | 13 300 |
| 36,0 | 45,4 | 35,6 | 10 100 |
| 38,0 | 41,9 | 33,4 | 7 200 |

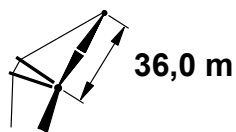
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175 200 kg



30,0 m

| m | o | m | kg |
|------|------|------|---------|
| 5,5 | 84,5 | 31,9 | 266 700 |
| 6,0 | 83,5 | 31,9 | 266 700 |
| 6,5 | 82,5 | 31,8 | 266 700 |
| 7,0 | 81,6 | 31,7 | 266 300 |
| 7,5 | 80,6 | 31,6 | 262 600 |
| 8,0 | 79,6 | 31,5 | 253 200 |
| 9,0 | 77,6 | 31,2 | 227 100 |
| 10,0 | 75,7 | 31,0 | 193 400 |
| 11,0 | 73,7 | 30,7 | 165 900 |
| 12,0 | 71,6 | 30,3 | 144 000 |
| 13,0 | 69,6 | 29,9 | 125 300 |
| 14,0 | 67,5 | 29,5 | 108 600 |
| 15,0 | 65,4 | 29,0 | 95 400 |
| 16,0 | 63,2 | 28,5 | 84 400 |
| 17,0 | 61,0 | 27,9 | 74 700 |
| 18,0 | 58,8 | 27,3 | 66 500 |
| 19,0 | 56,5 | 26,6 | 59 500 |
| 20,0 | 54,1 | 25,8 | 53 100 |
| 21,0 | 51,6 | 25,0 | 47 600 |
| 22,0 | 49,0 | 24,1 | 42 700 |
| 24,0 | 43,6 | 22,1 | 34 300 |
| 26,0 | 37,4 | 19,5 | 27 400 |
| 28,0 | 30,2 | 16,3 | 21 700 |

36,0 m

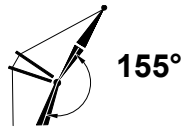
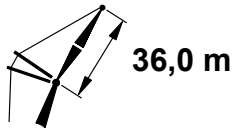
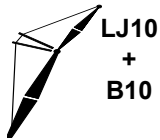
| m | o | m | kg |
|------|------|------|---------|
| 5,8 | 84,9 | 37,9 | 260 100 |
| 6,0 | 84,6 | 37,9 | 258 900 |
| 6,5 | 83,8 | 37,8 | 256 100 |
| 7,0 | 83,0 | 37,8 | 253 500 |
| 7,5 | 82,2 | 37,7 | 250 900 |
| 8,0 | 81,4 | 37,6 | 247 200 |
| 9,0 | 79,7 | 37,4 | 225 900 |
| 10,0 | 78,1 | 37,2 | 195 600 |
| 11,0 | 76,5 | 36,9 | 168 400 |
| 12,0 | 74,8 | 36,6 | 146 200 |
| 13,0 | 73,1 | 36,3 | 127 400 |
| 14,0 | 71,5 | 36,0 | 110 600 |
| 15,0 | 69,7 | 35,6 | 97 300 |
| 16,0 | 68,0 | 35,2 | 86 300 |
| 17,0 | 66,3 | 34,7 | 76 500 |
| 18,0 | 64,5 | 34,2 | 68 300 |
| 19,0 | 62,7 | 33,7 | 61 200 |
| 20,0 | 60,9 | 33,1 | 54 800 |
| 21,0 | 59,0 | 32,5 | 49 300 |
| 22,0 | 57,1 | 31,8 | 44 400 |
| 24,0 | 53,1 | 30,3 | 35 900 |
| 26,0 | 48,9 | 28,6 | 28 900 |
| 28,0 | 44,4 | 26,6 | 23 100 |
| 30,0 | 39,5 | 24,2 | 18 200 |
| 32,0 | 33,9 | 21,4 | 13 900 |

42,0 m

| m | o | m | kg |
|------|------|------|---------|
| 6,4 | 84,8 | 43,9 | 235 100 |
| 6,5 | 84,7 | 43,9 | 234 600 |
| 7,0 | 84,0 | 43,8 | 232 200 |
| 7,5 | 83,3 | 43,8 | 229 800 |
| 8,0 | 82,6 | 43,7 | 227 600 |
| 9,0 | 81,2 | 43,5 | 219 500 |
| 10,0 | 79,8 | 43,3 | 196 700 |
| 11,0 | 78,4 | 43,1 | 169 700 |
| 12,0 | 77,0 | 42,9 | 147 700 |
| 13,0 | 75,6 | 42,6 | 128 800 |
| 14,0 | 74,2 | 42,3 | 112 000 |
| 15,0 | 72,8 | 42,0 | 98 600 |
| 16,0 | 71,3 | 41,6 | 87 500 |
| 17,0 | 69,9 | 41,2 | 77 700 |
| 18,0 | 68,4 | 40,8 | 69 500 |
| 19,0 | 66,9 | 40,4 | 62 300 |
| 20,0 | 65,4 | 39,9 | 55 900 |
| 21,0 | 63,9 | 39,4 | 50 400 |
| 22,0 | 62,3 | 38,9 | 45 400 |
| 24,0 | 59,1 | 37,7 | 36 900 |
| 26,0 | 55,8 | 36,3 | 29 800 |
| 28,0 | 52,4 | 34,8 | 24 100 |
| 30,0 | 48,8 | 33,1 | 19 100 |
| 32,0 | 45,0 | 31,1 | 14 800 |
| 34,0 | 40,9 | 28,8 | 11 100 |
| 36,0 | 36,3 | 26,2 | 7 800 |
| 38,0 | 31,2 | 23,0 | 4 300 |

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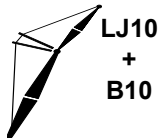


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 212 700 |
| 7,5 | 84,1 | 49,8 | 211 900 |
| 8,0 | 83,5 | 49,8 | 210 000 |
| 9,0 | 82,3 | 49,6 | 206 400 |
| 10,0 | 81,1 | 49,4 | 193 500 |
| 11,0 | 79,9 | 49,3 | 170 000 |
| 12,0 | 78,7 | 49,0 | 148 400 |
| 13,0 | 77,5 | 48,8 | 129 600 |
| 14,0 | 76,2 | 48,5 | 112 800 |
| 15,0 | 75,0 | 48,3 | 99 300 |
| 16,0 | 73,7 | 48,0 | 88 200 |
| 17,0 | 72,5 | 47,6 | 78 300 |
| 18,0 | 71,2 | 47,3 | 70 100 |
| 19,0 | 69,9 | 46,9 | 62 900 |
| 20,0 | 68,7 | 46,5 | 56 500 |
| 21,0 | 67,4 | 46,1 | 50 900 |
| 22,0 | 66,1 | 45,6 | 45 900 |
| 24,0 | 63,4 | 44,6 | 37 400 |
| 26,0 | 60,6 | 43,5 | 30 300 |
| 28,0 | 57,8 | 42,2 | 24 500 |
| 30,0 | 54,9 | 40,8 | 19 500 |
| 32,0 | 51,9 | 39,3 | 15 200 |
| 34,0 | 48,7 | 37,5 | 11 500 |
| 36,0 | 45,4 | 35,6 | 8 000 |
| 38,0 | 41,9 | 33,4 | 4 600 |

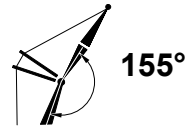
REFERENCE ONLY!

MLC300 S-2

ASME B30.5



175 200 kg



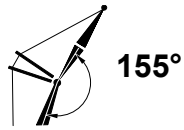
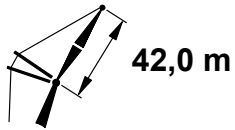
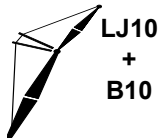
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 266 700 |
| 6,0 | 83,5 | 31,9 | 266 000 |
| 6,5 | 82,5 | 31,8 | 263 500 |
| 7,0 | 81,6 | 31,7 | 261 000 |
| 7,5 | 80,6 | 31,6 | 258 100 |
| 8,0 | 79,6 | 31,5 | 253 200 |
| 9,0 | 77,6 | 31,2 | 223 600 |
| 10,0 | 75,7 | 31,0 | 190 800 |
| 11,0 | 73,7 | 30,7 | 161 200 |
| 12,0 | 71,6 | 30,3 | 136 900 |
| 13,0 | 69,6 | 29,9 | 118 500 |
| 14,0 | 67,5 | 29,5 | 102 200 |
| 15,0 | 65,4 | 29,0 | 89 200 |
| 16,0 | 63,2 | 28,5 | 78 500 |
| 17,0 | 61,0 | 27,9 | 69 000 |
| 18,0 | 58,8 | 27,3 | 61 100 |
| 19,0 | 56,5 | 26,6 | 54 200 |
| 20,0 | 54,1 | 25,8 | 48 000 |
| 21,0 | 51,6 | 25,0 | 42 600 |
| 22,0 | 49,0 | 24,1 | 37 900 |
| 24,0 | 43,6 | 22,1 | 29 700 |
| 26,0 | 37,4 | 19,5 | 22 900 |
| 28,0 | 30,2 | 16,3 | 17 500 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 254 200 |
| 6,0 | 84,6 | 37,9 | 253 000 |
| 6,5 | 83,8 | 37,8 | 250 200 |
| 7,0 | 83,0 | 37,8 | 247 500 |
| 7,5 | 82,2 | 37,7 | 244 900 |
| 8,0 | 81,4 | 37,6 | 241 900 |
| 9,0 | 79,7 | 37,4 | 221 800 |
| 10,0 | 78,1 | 37,2 | 190 300 |
| 11,0 | 76,5 | 36,9 | 163 900 |
| 12,0 | 74,8 | 36,6 | 139 500 |
| 13,0 | 73,1 | 36,3 | 120 900 |
| 14,0 | 71,5 | 36,0 | 104 600 |
| 15,0 | 69,7 | 35,6 | 91 500 |
| 16,0 | 68,0 | 35,2 | 80 700 |
| 17,0 | 66,3 | 34,7 | 71 200 |
| 18,0 | 64,5 | 34,2 | 63 200 |
| 19,0 | 62,7 | 33,7 | 56 200 |
| 20,0 | 60,9 | 33,1 | 50 000 |
| 21,0 | 59,0 | 32,5 | 44 600 |
| 22,0 | 57,1 | 31,8 | 39 800 |
| 24,0 | 53,1 | 30,3 | 31 500 |
| 26,0 | 48,9 | 28,6 | 24 700 |
| 28,0 | 44,4 | 26,6 | 19 100 |
| 30,0 | 39,5 | 24,2 | 14 300 |
| 32,0 | 33,9 | 21,4 | 10 200 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 229 800 |
| 6,5 | 84,7 | 43,9 | 229 300 |
| 7,0 | 84,0 | 43,8 | 226 900 |
| 7,5 | 83,3 | 43,8 | 224 500 |
| 8,0 | 82,6 | 43,7 | 222 200 |
| 9,0 | 81,2 | 43,5 | 217 400 |
| 10,0 | 79,8 | 43,3 | 189 500 |
| 11,0 | 78,4 | 43,1 | 163 400 |
| 12,0 | 77,0 | 42,9 | 141 300 |
| 13,0 | 75,6 | 42,6 | 122 600 |
| 14,0 | 74,2 | 42,3 | 106 200 |
| 15,0 | 72,8 | 42,0 | 93 100 |
| 16,0 | 71,3 | 41,6 | 82 200 |
| 17,0 | 69,9 | 41,2 | 72 600 |
| 18,0 | 68,4 | 40,8 | 64 600 |
| 19,0 | 66,9 | 40,4 | 57 600 |
| 20,0 | 65,4 | 39,9 | 51 300 |
| 21,0 | 63,9 | 39,4 | 45 900 |
| 22,0 | 62,3 | 38,9 | 41 100 |
| 24,0 | 59,1 | 37,7 | 32 700 |
| 26,0 | 55,8 | 36,3 | 25 800 |
| 28,0 | 52,4 | 34,8 | 20 200 |
| 30,0 | 48,8 | 33,1 | 15 400 |
| 32,0 | 45,0 | 31,1 | 11 200 |
| 34,0 | 40,9 | 28,8 | 7 500 |
| 36,0 | 36,3 | 26,2 | 3 600 |

MLC300 S-2

ASME B30.5

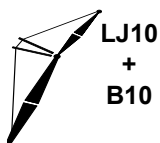


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 207 800 |
| 7,5 | 84,1 | 49,8 | 207 000 |
| 8,0 | 83,5 | 49,8 | 205 100 |
| 9,0 | 82,3 | 49,6 | 201 500 |
| 10,0 | 81,1 | 49,4 | 187 100 |
| 11,0 | 79,9 | 49,3 | 162 500 |
| 12,0 | 78,7 | 49,0 | 141 800 |
| 13,0 | 77,5 | 48,8 | 123 700 |
| 14,0 | 76,2 | 48,5 | 107 200 |
| 15,0 | 75,0 | 48,3 | 94 000 |
| 16,0 | 73,7 | 48,0 | 83 100 |
| 17,0 | 72,5 | 47,6 | 73 500 |
| 18,0 | 71,2 | 47,3 | 65 400 |
| 19,0 | 69,9 | 46,9 | 58 400 |
| 20,0 | 68,7 | 46,5 | 52 100 |
| 21,0 | 67,4 | 46,1 | 46 600 |
| 22,0 | 66,1 | 45,6 | 41 800 |
| 24,0 | 63,4 | 44,6 | 33 400 |
| 26,0 | 60,6 | 43,5 | 26 500 |
| 28,0 | 57,8 | 42,2 | 20 800 |
| 30,0 | 54,9 | 40,8 | 15 900 |
| 32,0 | 51,9 | 39,3 | 11 700 |
| 34,0 | 48,7 | 37,5 | 7 700 |
| 36,0 | 45,4 | 35,6 | 3 900 |

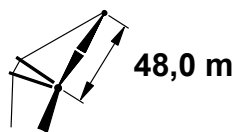
REFERENCE ONLY!

MLC300 S-2

ASME B30.5



175 200 kg



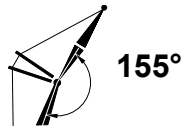
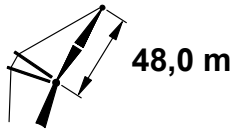
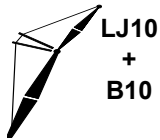
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 262 000 |
| 6,0 | 83,5 | 31,9 | 259 000 |
| 6,5 | 82,5 | 31,8 | 256 200 |
| 7,0 | 81,6 | 31,7 | 253 600 |
| 7,5 | 80,6 | 31,6 | 251 100 |
| 8,0 | 79,6 | 31,5 | 246 800 |
| 9,0 | 77,6 | 31,2 | 213 300 |
| 10,0 | 75,7 | 31,0 | 180 700 |
| 11,0 | 73,7 | 30,7 | 152 500 |
| 12,0 | 71,6 | 30,3 | 128 800 |
| 13,0 | 69,6 | 29,9 | 110 800 |
| 14,0 | 67,5 | 29,5 | 95 000 |
| 15,0 | 65,4 | 29,0 | 82 300 |
| 16,0 | 63,2 | 28,5 | 71 900 |
| 17,0 | 61,0 | 27,9 | 62 600 |
| 18,0 | 58,8 | 27,3 | 54 900 |
| 19,0 | 56,5 | 26,6 | 48 300 |
| 20,0 | 54,1 | 25,8 | 42 200 |
| 21,0 | 51,6 | 25,0 | 37 000 |
| 22,0 | 49,0 | 24,1 | 32 400 |
| 24,0 | 43,6 | 22,1 | 24 500 |
| 26,0 | 37,4 | 19,5 | 18 000 |
| 28,0 | 30,2 | 16,3 | 12 800 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 247 400 |
| 6,0 | 84,6 | 37,9 | 246 200 |
| 6,5 | 83,8 | 37,8 | 243 300 |
| 7,0 | 83,0 | 37,8 | 240 500 |
| 7,5 | 82,2 | 37,7 | 237 900 |
| 8,0 | 81,4 | 37,6 | 235 100 |
| 9,0 | 79,7 | 37,4 | 212 900 |
| 10,0 | 78,1 | 37,2 | 180 700 |
| 11,0 | 76,5 | 36,9 | 154 900 |
| 12,0 | 74,8 | 36,6 | 131 800 |
| 13,0 | 73,1 | 36,3 | 113 700 |
| 14,0 | 71,5 | 36,0 | 97 800 |
| 15,0 | 69,7 | 35,6 | 85 000 |
| 16,0 | 68,0 | 35,2 | 74 500 |
| 17,0 | 66,3 | 34,7 | 65 200 |
| 18,0 | 64,5 | 34,2 | 57 400 |
| 19,0 | 62,7 | 33,7 | 50 700 |
| 20,0 | 60,9 | 33,1 | 44 600 |
| 21,0 | 59,0 | 32,5 | 39 300 |
| 22,0 | 57,1 | 31,8 | 34 700 |
| 24,0 | 53,1 | 30,3 | 26 600 |
| 26,0 | 48,9 | 28,6 | 20 000 |
| 28,0 | 44,4 | 26,6 | 14 600 |
| 30,0 | 39,5 | 24,2 | 10 000 |
| 32,0 | 33,9 | 21,4 | 5 400 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 223 500 |
| 6,5 | 84,7 | 43,9 | 223 000 |
| 7,0 | 84,0 | 43,8 | 220 500 |
| 7,5 | 83,3 | 43,8 | 218 100 |
| 8,0 | 82,6 | 43,7 | 215 900 |
| 9,0 | 81,2 | 43,5 | 208 400 |
| 10,0 | 79,8 | 43,3 | 180 200 |
| 11,0 | 78,4 | 43,1 | 154 700 |
| 12,0 | 77,0 | 42,9 | 133 700 |
| 13,0 | 75,6 | 42,6 | 115 700 |
| 14,0 | 74,2 | 42,3 | 99 700 |
| 15,0 | 72,8 | 42,0 | 86 900 |
| 16,0 | 71,3 | 41,6 | 76 300 |
| 17,0 | 69,9 | 41,2 | 66 900 |
| 18,0 | 68,4 | 40,8 | 59 100 |
| 19,0 | 66,9 | 40,4 | 52 300 |
| 20,0 | 65,4 | 39,9 | 46 200 |
| 21,0 | 63,9 | 39,4 | 40 900 |
| 22,0 | 62,3 | 38,9 | 36 200 |
| 24,0 | 59,1 | 37,7 | 28 100 |
| 26,0 | 55,8 | 36,3 | 21 400 |
| 28,0 | 52,4 | 34,8 | 15 900 |
| 30,0 | 48,8 | 33,1 | 11 200 |
| 32,0 | 45,0 | 31,1 | 6 700 |

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ASME B30.5

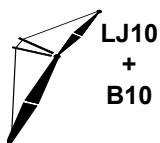


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 202 100 |
| 7,5 | 84,1 | 49,8 | 201 300 |
| 8,0 | 83,5 | 49,8 | 199 400 |
| 9,0 | 82,3 | 49,6 | 195 700 |
| 10,0 | 81,1 | 49,4 | 179 400 |
| 11,0 | 79,9 | 49,3 | 154 100 |
| 12,0 | 78,7 | 49,0 | 133 900 |
| 13,0 | 77,5 | 48,8 | 116 700 |
| 14,0 | 76,2 | 48,5 | 100 900 |
| 15,0 | 75,0 | 48,3 | 88 100 |
| 16,0 | 73,7 | 48,0 | 77 400 |
| 17,0 | 72,5 | 47,6 | 68 000 |
| 18,0 | 71,2 | 47,3 | 60 100 |
| 19,0 | 69,9 | 46,9 | 53 300 |
| 20,0 | 68,7 | 46,5 | 47 100 |
| 21,0 | 67,4 | 46,1 | 41 800 |
| 22,0 | 66,1 | 45,6 | 37 100 |
| 24,0 | 63,4 | 44,6 | 28 900 |
| 26,0 | 60,6 | 43,5 | 22 200 |
| 28,0 | 57,8 | 42,2 | 16 700 |
| 30,0 | 54,9 | 40,8 | 11 700 |
| 32,0 | 51,9 | 39,3 | 7 000 |
| 34,0 | 48,7 | 37,5 | 2 900 |

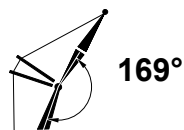
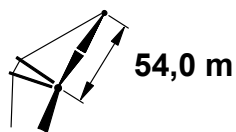
REFERENCE ONLY!

MLC300 S-2

ASME B30.5



175 200 kg



30,0 m

| m | o | m | kg |
|------|------|------|---------|
| 5,5 | 84,5 | 31,9 | 266 700 |
| 6,0 | 83,5 | 31,9 | 266 700 |
| 6,5 | 82,5 | 31,8 | 264 500 |
| 7,0 | 81,6 | 31,7 | 261 500 |
| 7,5 | 80,6 | 31,6 | 258 300 |
| 8,0 | 79,6 | 31,5 | 253 200 |
| 9,0 | 77,6 | 31,2 | 224 600 |
| 10,0 | 75,7 | 31,0 | 190 700 |
| 11,0 | 73,7 | 30,7 | 160 400 |
| 12,0 | 71,6 | 30,3 | 135 100 |
| 13,0 | 69,6 | 29,9 | 115 800 |
| 14,0 | 67,5 | 29,5 | 98 900 |
| 15,0 | 65,4 | 29,0 | 85 300 |
| 16,0 | 63,2 | 28,5 | 74 100 |
| 17,0 | 61,0 | 27,9 | 64 100 |
| 18,0 | 58,8 | 27,3 | 55 800 |
| 19,0 | 56,5 | 26,6 | 48 600 |
| 20,0 | 54,1 | 25,8 | 42 100 |
| 21,0 | 51,6 | 25,0 | 36 500 |
| 22,0 | 49,0 | 24,1 | 31 400 |
| 24,0 | 43,6 | 22,1 | 22 800 |
| 26,0 | 37,4 | 19,5 | 15 600 |
| 28,0 | 30,2 | 16,3 | 9 400 |

36,0 m

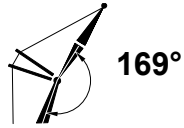
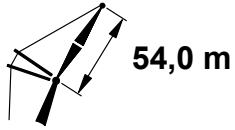
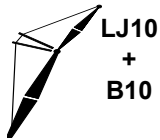
| m | o | m | kg |
|------|------|------|---------|
| 5,8 | 84,9 | 37,9 | 256 200 |
| 6,0 | 84,6 | 37,9 | 254 800 |
| 6,5 | 83,8 | 37,8 | 251 600 |
| 7,0 | 83,0 | 37,8 | 248 500 |
| 7,5 | 82,2 | 37,7 | 245 500 |
| 8,0 | 81,4 | 37,6 | 242 200 |
| 9,0 | 79,7 | 37,4 | 223 900 |
| 10,0 | 78,1 | 37,2 | 191 600 |
| 11,0 | 76,5 | 36,9 | 164 000 |
| 12,0 | 74,8 | 36,6 | 139 100 |
| 13,0 | 73,1 | 36,3 | 119 700 |
| 14,0 | 71,5 | 36,0 | 102 600 |
| 15,0 | 69,7 | 35,6 | 89 000 |
| 16,0 | 68,0 | 35,2 | 77 700 |
| 17,0 | 66,3 | 34,7 | 67 700 |
| 18,0 | 64,5 | 34,2 | 59 400 |
| 19,0 | 62,7 | 33,7 | 52 200 |
| 20,0 | 60,9 | 33,1 | 45 600 |
| 21,0 | 59,0 | 32,5 | 40 000 |
| 22,0 | 57,1 | 31,8 | 34 900 |
| 24,0 | 53,1 | 30,3 | 26 200 |
| 26,0 | 48,9 | 28,6 | 19 000 |
| 28,0 | 44,4 | 26,6 | 13 100 |
| 30,0 | 39,5 | 24,2 | 7 700 |
| 32,0 | 33,9 | 21,4 | 2 300 |

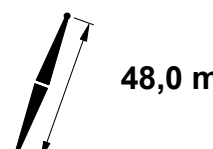
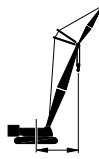

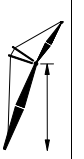

42,0 m

| m | o | m | kg |
|------|------|------|---------|
| 6,4 | 84,8 | 43,9 | 231 000 |
| 6,5 | 84,7 | 43,9 | 230 400 |
| 7,0 | 84,0 | 43,8 | 227 700 |
| 7,5 | 83,3 | 43,8 | 225 000 |
| 8,0 | 82,6 | 43,7 | 222 500 |
| 9,0 | 81,2 | 43,5 | 217 800 |
| 10,0 | 79,8 | 43,3 | 191 800 |
| 11,0 | 78,4 | 43,1 | 164 500 |
| 12,0 | 77,0 | 42,9 | 141 700 |
| 13,0 | 75,6 | 42,6 | 122 400 |
| 14,0 | 74,2 | 42,3 | 105 200 |
| 15,0 | 72,8 | 42,0 | 91 500 |
| 16,0 | 71,3 | 41,6 | 80 200 |
| 17,0 | 69,9 | 41,2 | 70 200 |
| 18,0 | 68,4 | 40,8 | 61 800 |
| 19,0 | 66,9 | 40,4 | 54 500 |
| 20,0 | 65,4 | 39,9 | 47 900 |
| 21,0 | 63,9 | 39,4 | 42 300 |
| 22,0 | 62,3 | 38,9 | 37 200 |
| 24,0 | 59,1 | 37,7 | 28 500 |
| 26,0 | 55,8 | 36,3 | 21 300 |
| 28,0 | 52,4 | 34,8 | 15 300 |
| 30,0 | 48,8 | 33,1 | 10 100 |
| 32,0 | 45,0 | 31,1 | 4 900 |

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ASME B30.5

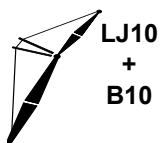


|  48,0 m | | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  m |  ° |  m |  kg |
| 7,3 | 84,4 | 49,8 | 207 900 |
| 7,5 | 84,1 | 49,8 | 207 100 |
| 8,0 | 83,5 | 49,8 | 205 000 |
| 9,0 | 82,3 | 49,6 | 200 900 |
| 10,0 | 81,1 | 49,4 | 188 500 |
| 11,0 | 79,9 | 49,3 | 164 400 |
| 12,0 | 78,7 | 49,0 | 142 700 |
| 13,0 | 77,5 | 48,8 | 124 000 |
| 14,0 | 76,2 | 48,5 | 107 000 |
| 15,0 | 75,0 | 48,3 | 93 200 |
| 16,0 | 73,7 | 48,0 | 81 900 |
| 17,0 | 72,5 | 47,6 | 71 800 |
| 18,0 | 71,2 | 47,3 | 63 400 |
| 19,0 | 69,9 | 46,9 | 56 100 |
| 20,0 | 68,7 | 46,5 | 49 400 |
| 21,0 | 67,4 | 46,1 | 43 800 |
| 22,0 | 66,1 | 45,6 | 38 700 |
| 24,0 | 63,4 | 44,6 | 29 900 |
| 26,0 | 60,6 | 43,5 | 22 700 |
| 28,0 | 57,8 | 42,2 | 16 700 |
| 30,0 | 54,9 | 40,8 | 11 200 |
| 32,0 | 51,9 | 39,3 | 6 100 |

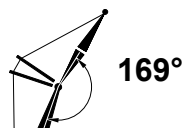
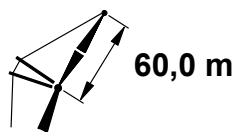
REFERENCE ONLY!

MLC300 S-2

ASME B30.5



175 200 kg



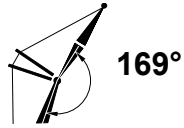
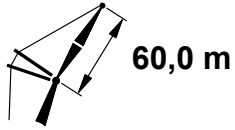
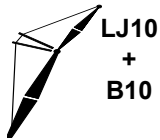
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 265 800 |
| 6,0 | 83,5 | 31,9 | 263 300 |
| 6,5 | 82,5 | 31,8 | 260 000 |
| 7,0 | 81,6 | 31,7 | 256 900 |
| 7,5 | 80,6 | 31,6 | 253 900 |
| 8,0 | 79,6 | 31,5 | 249 700 |
| 9,0 | 77,6 | 31,2 | 218 500 |
| 10,0 | 75,7 | 31,0 | 183 800 |
| 11,0 | 73,7 | 30,7 | 154 300 |
| 12,0 | 71,6 | 30,3 | 129 300 |
| 13,0 | 69,6 | 29,9 | 110 200 |
| 14,0 | 67,5 | 29,5 | 93 500 |
| 15,0 | 65,4 | 29,0 | 80 100 |
| 16,0 | 63,2 | 28,5 | 69 000 |
| 17,0 | 61,0 | 27,9 | 59 200 |
| 18,0 | 58,8 | 27,3 | 51 000 |
| 19,0 | 56,5 | 26,6 | 43 900 |
| 20,0 | 54,1 | 25,8 | 37 400 |
| 21,0 | 51,6 | 25,0 | 31 900 |
| 22,0 | 49,0 | 24,1 | 26 900 |
| 24,0 | 43,6 | 22,1 | 18 300 |
| 26,0 | 37,4 | 19,5 | 11 200 |
| 28,0 | 30,2 | 16,3 | 4 400 |

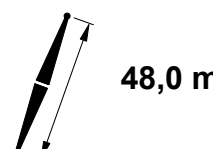
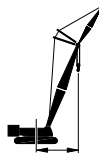

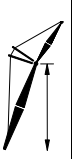

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 252 100 |
| 6,0 | 84,6 | 37,9 | 250 700 |
| 6,5 | 83,8 | 37,8 | 247 400 |
| 7,0 | 83,0 | 37,8 | 244 200 |
| 7,5 | 82,2 | 37,7 | 241 200 |
| 8,0 | 81,4 | 37,6 | 238 200 |
| 9,0 | 79,7 | 37,4 | 218 800 |
| 10,0 | 78,1 | 37,2 | 185 300 |
| 11,0 | 76,5 | 36,9 | 157 900 |
| 12,0 | 74,8 | 36,6 | 133 800 |
| 13,0 | 73,1 | 36,3 | 114 600 |
| 14,0 | 71,5 | 36,0 | 97 800 |
| 15,0 | 69,7 | 35,6 | 84 300 |
| 16,0 | 68,0 | 35,2 | 73 100 |
| 17,0 | 66,3 | 34,7 | 63 300 |
| 18,0 | 64,5 | 34,2 | 55 000 |
| 19,0 | 62,7 | 33,7 | 47 900 |
| 20,0 | 60,9 | 33,1 | 41 400 |
| 21,0 | 59,0 | 32,5 | 35 800 |
| 22,0 | 57,1 | 31,8 | 30 800 |
| 24,0 | 53,1 | 30,3 | 22 200 |
| 26,0 | 48,9 | 28,6 | 15 100 |
| 28,0 | 44,4 | 26,6 | 9 100 |
| 30,0 | 39,5 | 24,2 | 3 100 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 227 200 |
| 6,5 | 84,7 | 43,9 | 226 600 |
| 7,0 | 84,0 | 43,8 | 223 800 |
| 7,5 | 83,3 | 43,8 | 221 100 |
| 8,0 | 82,6 | 43,7 | 218 500 |
| 9,0 | 81,2 | 43,5 | 213 600 |
| 10,0 | 79,8 | 43,3 | 185 900 |
| 11,0 | 78,4 | 43,1 | 158 800 |
| 12,0 | 77,0 | 42,9 | 136 600 |
| 13,0 | 75,6 | 42,6 | 117 700 |
| 14,0 | 74,2 | 42,3 | 100 700 |
| 15,0 | 72,8 | 42,0 | 87 200 |
| 16,0 | 71,3 | 41,6 | 76 000 |
| 17,0 | 69,9 | 41,2 | 66 100 |
| 18,0 | 68,4 | 40,8 | 57 800 |
| 19,0 | 66,9 | 40,4 | 50 600 |
| 20,0 | 65,4 | 39,9 | 44 100 |
| 21,0 | 63,9 | 39,4 | 38 500 |
| 22,0 | 62,3 | 38,9 | 33 500 |
| 24,0 | 59,1 | 37,7 | 24 800 |
| 26,0 | 55,8 | 36,3 | 17 700 |
| 28,0 | 52,4 | 34,8 | 11 700 |
| 30,0 | 48,8 | 33,1 | 5 900 |
| 32,0 | 45,0 | 31,1 | 700 |

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ASME B30.5

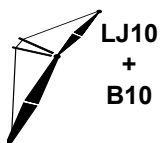


|  48,0 m | | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  m |  ° |  m |  kg |
| 7,3 | 84,4 | 49,8 | 204 400 |
| 7,5 | 84,1 | 49,8 | 203 500 |
| 8,0 | 83,5 | 49,8 | 201 300 |
| 9,0 | 82,3 | 49,6 | 197 200 |
| 10,0 | 81,1 | 49,4 | 183 900 |
| 11,0 | 79,9 | 49,3 | 158 900 |
| 12,0 | 78,7 | 49,0 | 137 500 |
| 13,0 | 77,5 | 48,8 | 119 300 |
| 14,0 | 76,2 | 48,5 | 102 700 |
| 15,0 | 75,0 | 48,3 | 89 100 |
| 16,0 | 73,7 | 48,0 | 77 900 |
| 17,0 | 72,5 | 47,6 | 67 900 |
| 18,0 | 71,2 | 47,3 | 59 600 |
| 19,0 | 69,9 | 46,9 | 52 400 |
| 20,0 | 68,7 | 46,5 | 45 800 |
| 21,0 | 67,4 | 46,1 | 40 200 |
| 22,0 | 66,1 | 45,6 | 35 200 |
| 24,0 | 63,4 | 44,6 | 26 500 |
| 26,0 | 60,6 | 43,5 | 19 300 |
| 28,0 | 57,8 | 42,2 | 13 100 |
| 30,0 | 54,9 | 40,8 | 7 300 |
| 32,0 | 51,9 | 39,3 | 2 100 |

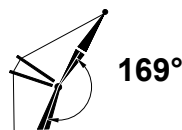
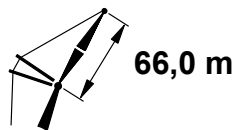
REFERENCE ONLY!

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175 200 kg



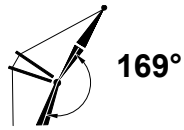
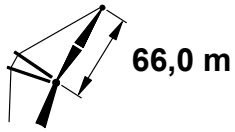
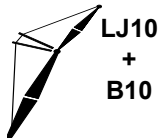
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 261 600 |
| 6,0 | 83,5 | 31,9 | 258 000 |
| 6,5 | 82,5 | 31,8 | 254 600 |
| 7,0 | 81,6 | 31,7 | 251 300 |
| 7,5 | 80,6 | 31,6 | 248 100 |
| 8,0 | 79,6 | 31,5 | 243 400 |
| 9,0 | 77,6 | 31,2 | 210 100 |
| 10,0 | 75,7 | 31,0 | 175 700 |
| 11,0 | 73,7 | 30,7 | 147 200 |
| 12,0 | 71,6 | 30,3 | 122 500 |
| 13,0 | 69,6 | 29,9 | 103 700 |
| 14,0 | 67,5 | 29,5 | 87 100 |
| 15,0 | 65,4 | 29,0 | 73 900 |
| 16,0 | 63,2 | 28,5 | 63 000 |
| 17,0 | 61,0 | 27,9 | 53 300 |
| 18,0 | 58,8 | 27,3 | 45 200 |
| 19,0 | 56,5 | 26,6 | 38 200 |
| 20,0 | 54,1 | 25,8 | 31 900 |
| 21,0 | 51,6 | 25,0 | 26 400 |
| 22,0 | 49,0 | 24,1 | 21 500 |
| 24,0 | 43,6 | 22,1 | 13 100 |


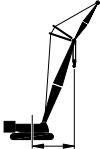

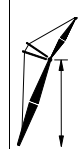

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 247 300 |
| 6,0 | 84,6 | 37,9 | 245 800 |
| 6,5 | 83,8 | 37,8 | 242 400 |
| 7,0 | 83,0 | 37,8 | 239 100 |
| 7,5 | 82,2 | 37,7 | 235 900 |
| 8,0 | 81,4 | 37,6 | 232 900 |
| 9,0 | 79,7 | 37,4 | 211 600 |
| 10,0 | 78,1 | 37,2 | 177 800 |
| 11,0 | 76,5 | 36,9 | 150 700 |
| 12,0 | 74,8 | 36,6 | 127 500 |
| 13,0 | 73,1 | 36,3 | 108 700 |
| 14,0 | 71,5 | 36,0 | 92 000 |
| 15,0 | 69,7 | 35,6 | 78 700 |
| 16,0 | 68,0 | 35,2 | 67 700 |
| 17,0 | 66,3 | 34,7 | 58 000 |
| 18,0 | 64,5 | 34,2 | 49 800 |
| 19,0 | 62,7 | 33,7 | 42 800 |
| 20,0 | 60,9 | 33,1 | 36 400 |
| 21,0 | 59,0 | 32,5 | 30 900 |
| 22,0 | 57,1 | 31,8 | 26 000 |
| 24,0 | 53,1 | 30,3 | 17 500 |
| 26,0 | 48,9 | 28,6 | 10 400 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 222 500 |
| 6,5 | 84,7 | 43,9 | 221 900 |
| 7,0 | 84,0 | 43,8 | 219 100 |
| 7,5 | 83,3 | 43,8 | 216 300 |
| 8,0 | 82,6 | 43,7 | 213 600 |
| 9,0 | 81,2 | 43,5 | 207 800 |
| 10,0 | 79,8 | 43,3 | 178 900 |
| 11,0 | 78,4 | 43,1 | 152 000 |
| 12,0 | 77,0 | 42,9 | 130 600 |
| 13,0 | 75,6 | 42,6 | 112 100 |
| 14,0 | 74,2 | 42,3 | 95 400 |
| 15,0 | 72,8 | 42,0 | 82 000 |
| 16,0 | 71,3 | 41,6 | 71 000 |
| 17,0 | 69,9 | 41,2 | 61 200 |
| 18,0 | 68,4 | 40,8 | 53 000 |
| 19,0 | 66,9 | 40,4 | 45 900 |
| 20,0 | 65,4 | 39,9 | 39 500 |
| 21,0 | 63,9 | 39,4 | 33 900 |
| 22,0 | 62,3 | 38,9 | 29 000 |
| 24,0 | 59,1 | 37,7 | 20 500 |
| 26,0 | 55,8 | 36,3 | 13 300 |
| 28,0 | 52,4 | 34,8 | 6 600 |

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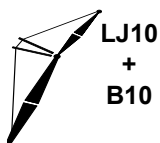


|  48,0 m | | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  m |  ° |  m |  kg |
| 7,3 | 84,4 | 49,8 | 200 000 |
| 7,5 | 84,1 | 49,8 | 199 100 |
| 8,0 | 83,5 | 49,8 | 196 900 |
| 9,0 | 82,3 | 49,6 | 192 700 |
| 10,0 | 81,1 | 49,4 | 178 300 |
| 11,0 | 79,9 | 49,3 | 152 500 |
| 12,0 | 78,7 | 49,0 | 131 300 |
| 13,0 | 77,5 | 48,8 | 113 700 |
| 14,0 | 76,2 | 48,5 | 97 700 |
| 15,0 | 75,0 | 48,3 | 84 300 |
| 16,0 | 73,7 | 48,0 | 73 200 |
| 17,0 | 72,5 | 47,6 | 63 300 |
| 18,0 | 71,2 | 47,3 | 55 100 |
| 19,0 | 69,9 | 46,9 | 48 000 |
| 20,0 | 68,7 | 46,5 | 41 500 |
| 21,0 | 67,4 | 46,1 | 36 000 |
| 22,0 | 66,1 | 45,6 | 31 000 |
| 24,0 | 63,4 | 44,6 | 22 500 |
| 26,0 | 60,6 | 43,5 | 14 800 |
| 28,0 | 57,8 | 42,2 | 8 200 |
| 30,0 | 54,9 | 40,8 | 2 400 |

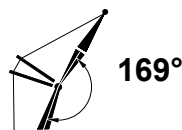
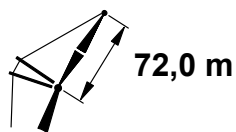
REFERENCE ONLY!

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ASME B30.5



175 200 kg



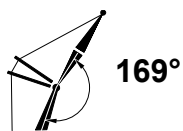
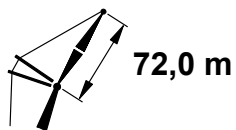
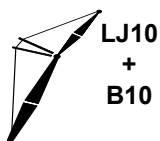
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 256 800 |
| 6,0 | 83,5 | 31,9 | 252 900 |
| 6,5 | 82,5 | 31,8 | 249 200 |
| 7,0 | 81,6 | 31,7 | 245 800 |
| 7,5 | 80,6 | 31,6 | 242 400 |
| 8,0 | 79,6 | 31,5 | 237 300 |
| 9,0 | 77,6 | 31,2 | 201 900 |
| 10,0 | 75,7 | 31,0 | 167 900 |
| 11,0 | 73,7 | 30,7 | 140 200 |
| 12,0 | 71,6 | 30,3 | 115 800 |
| 13,0 | 69,6 | 29,9 | 97 300 |
| 14,0 | 67,5 | 29,5 | 81 000 |
| 15,0 | 65,4 | 29,0 | 68 000 |
| 16,0 | 63,2 | 28,5 | 57 200 |
| 17,0 | 61,0 | 27,9 | 47 600 |
| 18,0 | 58,8 | 27,3 | 39 700 |
| 19,0 | 56,5 | 26,6 | 32 800 |
| 20,0 | 54,1 | 25,8 | 26 500 |
| 21,0 | 51,6 | 25,0 | 21 200 |
| 22,0 | 49,0 | 24,1 | 16 300 |
| 24,0 | 43,6 | 22,1 | 7 600 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 242 500 |
| 6,0 | 84,6 | 37,9 | 241 000 |
| 6,5 | 83,8 | 37,8 | 237 400 |
| 7,0 | 83,0 | 37,8 | 234 000 |
| 7,5 | 82,2 | 37,7 | 230 700 |
| 8,0 | 81,4 | 37,6 | 227 400 |
| 9,0 | 79,7 | 37,4 | 204 200 |
| 10,0 | 78,1 | 37,2 | 170 600 |
| 11,0 | 76,5 | 36,9 | 143 800 |
| 12,0 | 74,8 | 36,6 | 121 400 |
| 13,0 | 73,1 | 36,3 | 102 900 |
| 14,0 | 71,5 | 36,0 | 86 400 |
| 15,0 | 69,7 | 35,6 | 73 300 |
| 16,0 | 68,0 | 35,2 | 62 500 |
| 17,0 | 66,3 | 34,7 | 52 900 |
| 18,0 | 64,5 | 34,2 | 44 800 |
| 19,0 | 62,7 | 33,7 | 37 900 |
| 20,0 | 60,9 | 33,1 | 31 600 |
| 21,0 | 59,0 | 32,5 | 26 200 |
| 22,0 | 57,1 | 31,8 | 21 300 |
| 24,0 | 53,1 | 30,3 | 12 800 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 218 000 |
| 6,5 | 84,7 | 43,9 | 217 400 |
| 7,0 | 84,0 | 43,8 | 214 400 |
| 7,5 | 83,3 | 43,8 | 211 600 |
| 8,0 | 82,6 | 43,7 | 208 800 |
| 9,0 | 81,2 | 43,5 | 201 200 |
| 10,0 | 79,8 | 43,3 | 172 100 |
| 11,0 | 78,4 | 43,1 | 145 500 |
| 12,0 | 77,0 | 42,9 | 124 400 |
| 13,0 | 75,6 | 42,6 | 106 500 |
| 14,0 | 74,2 | 42,3 | 90 200 |
| 15,0 | 72,8 | 42,0 | 77 000 |
| 16,0 | 71,3 | 41,6 | 66 100 |
| 17,0 | 69,9 | 41,2 | 56 500 |
| 18,0 | 68,4 | 40,8 | 48 400 |
| 19,0 | 66,9 | 40,4 | 41 400 |
| 20,0 | 65,4 | 39,9 | 35 100 |
| 21,0 | 63,9 | 39,4 | 29 600 |
| 22,0 | 62,3 | 38,9 | 24 800 |
| 24,0 | 59,1 | 37,7 | 16 100 |
| 26,0 | 55,8 | 36,3 | 8 300 |

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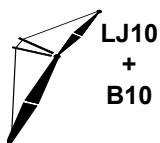


| 7,3 | 84,4 | 49,8 | 195 800 |
|------|------|------|---------|
| 7,5 | 84,1 | 49,8 | 195 000 |
| 8,0 | 83,5 | 49,8 | 192 700 |
| 9,0 | 82,3 | 49,6 | 188 400 |
| 10,0 | 81,1 | 49,4 | 172 300 |
| 11,0 | 79,9 | 49,3 | 146 400 |
| 12,0 | 78,7 | 49,0 | 125 300 |
| 13,0 | 77,5 | 48,8 | 108 400 |
| 14,0 | 76,2 | 48,5 | 92 900 |
| 15,0 | 75,0 | 48,3 | 79 600 |
| 16,0 | 73,7 | 48,0 | 68 700 |
| 17,0 | 72,5 | 47,6 | 58 900 |
| 18,0 | 71,2 | 47,3 | 50 800 |
| 19,0 | 69,9 | 46,9 | 43 800 |
| 20,0 | 68,7 | 46,5 | 37 400 |
| 21,0 | 67,4 | 46,1 | 32 000 |
| 22,0 | 66,1 | 45,6 | 27 000 |
| 24,0 | 63,4 | 44,6 | 17 900 |
| 26,0 | 60,6 | 43,5 | 10 100 |
| 28,0 | 57,8 | 42,2 | 3 600 |

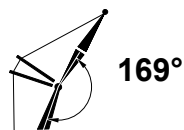
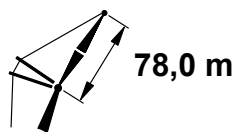
REFERENCE ONLY!

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175 200 kg



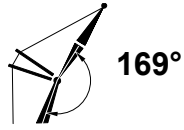
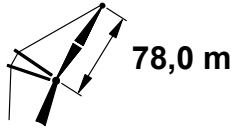
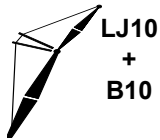
| 30,0 m | | | |
|--------|------|------|---------|
| m | ° | m | kg |
| 5,5 | 84,5 | 31,9 | 251 100 |
| 6,0 | 83,5 | 31,9 | 247 000 |
| 6,5 | 82,5 | 31,8 | 243 200 |
| 7,0 | 81,6 | 31,7 | 239 600 |
| 7,5 | 80,6 | 31,6 | 236 000 |
| 8,0 | 79,6 | 31,5 | 230 400 |
| 9,0 | 77,6 | 31,2 | 192 600 |
| 10,0 | 75,7 | 31,0 | 159 000 |
| 11,0 | 73,7 | 30,7 | 132 100 |
| 12,0 | 71,6 | 30,3 | 108 300 |
| 13,0 | 69,6 | 29,9 | 90 100 |
| 14,0 | 67,5 | 29,5 | 74 100 |
| 15,0 | 65,4 | 29,0 | 61 200 |
| 16,0 | 63,2 | 28,5 | 50 600 |
| 17,0 | 61,0 | 27,9 | 41 300 |
| 18,0 | 58,8 | 27,3 | 33 400 |
| 19,0 | 56,5 | 26,6 | 26 600 |
| 20,0 | 54,1 | 25,8 | 20 500 |
| 21,0 | 51,6 | 25,0 | 15 200 |
| 22,0 | 49,0 | 24,1 | 10 200 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | ° | m | kg |
| 5,8 | 84,9 | 37,9 | 237 000 |
| 6,0 | 84,6 | 37,9 | 235 400 |
| 6,5 | 83,8 | 37,8 | 231 700 |
| 7,0 | 83,0 | 37,8 | 228 200 |
| 7,5 | 82,2 | 37,7 | 224 800 |
| 8,0 | 81,4 | 37,6 | 221 000 |
| 9,0 | 79,7 | 37,4 | 195 600 |
| 10,0 | 78,1 | 37,2 | 162 400 |
| 11,0 | 76,5 | 36,9 | 135 900 |
| 12,0 | 74,8 | 36,6 | 114 400 |
| 13,0 | 73,1 | 36,3 | 96 300 |
| 14,0 | 71,5 | 36,0 | 80 100 |
| 15,0 | 69,7 | 35,6 | 67 200 |
| 16,0 | 68,0 | 35,2 | 56 600 |
| 17,0 | 66,3 | 34,7 | 47 100 |
| 18,0 | 64,5 | 34,2 | 39 200 |
| 19,0 | 62,7 | 33,7 | 32 300 |
| 20,0 | 60,9 | 33,1 | 26 100 |
| 21,0 | 59,0 | 32,5 | 20 800 |
| 22,0 | 57,1 | 31,8 | 15 800 |
| 24,0 | 53,1 | 30,3 | 6 600 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | ° | m | kg |
| 6,4 | 84,8 | 43,9 | 212 900 |
| 6,5 | 84,7 | 43,9 | 212 300 |
| 7,0 | 84,0 | 43,8 | 209 300 |
| 7,5 | 83,3 | 43,8 | 206 300 |
| 8,0 | 82,6 | 43,7 | 203 500 |
| 9,0 | 81,2 | 43,5 | 193 800 |
| 10,0 | 79,8 | 43,3 | 164 400 |
| 11,0 | 78,4 | 43,1 | 138 200 |
| 12,0 | 77,0 | 42,9 | 117 200 |
| 13,0 | 75,6 | 42,6 | 100 000 |
| 14,0 | 74,2 | 42,3 | 84 400 |
| 15,0 | 72,8 | 42,0 | 71 400 |
| 16,0 | 71,3 | 41,6 | 60 700 |
| 17,0 | 69,9 | 41,2 | 51 100 |
| 18,0 | 68,4 | 40,8 | 43 200 |
| 19,0 | 66,9 | 40,4 | 36 300 |
| 20,0 | 65,4 | 39,9 | 30 000 |
| 21,0 | 63,9 | 39,4 | 24 700 |
| 22,0 | 62,3 | 38,9 | 19 500 |
| 24,0 | 59,1 | 37,7 | 10 300 |

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ASME B30.5

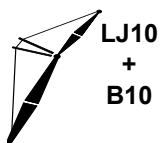


| m | ° | m | kg |
|-------|-------|-------|---------|
| 7,3 | 84,4 | 49,8 | 191 000 |
| 7,5 | 84,1 | 49,8 | 190 100 |
| 8,0 | 83,5 | 49,8 | 187 700 |
| 9,0 | 82,3 | 49,6 | 183 100 |
| 10,0 | 81,1 | 49,4 | 165 500 |
| 11,0 | 79,9 | 49,3 | 139 400 |
| 12,0 | 78,7 | 49,0 | 118 600 |
| 13,0 | 77,5 | 48,8 | 102 000 |
| 14,0 | 76,2 | 48,5 | 86 900 |
| 15,0 | 75,0 | 48,3 | 74 200 |
| 16,0 | 73,7 | 48,0 | 63 500 |
| 17,0 | 72,5 | 47,6 | 53 900 |
| 18,0 | 71,2 | 47,3 | 46 000 |
| 19,0 | 69,9 | 46,9 | 39 000 |
| 20,0 | 68,7 | 46,5 | 32 600 |
| 21,0 | 67,4 | 46,1 | 26 800 |
| 22,0 | 66,1 | 45,6 | 21 600 |
| 24,0 | 63,4 | 44,6 | 12 500 |

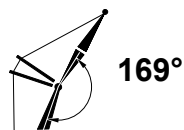
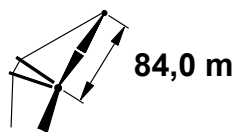
REFERENCE ONLY!

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ASME B30.5



175 200 kg



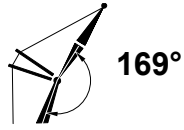
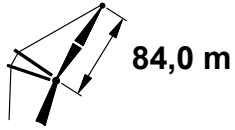
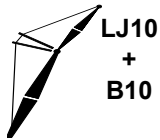
| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 245 900 |
| 6,0 | 83,5 | 31,9 | 241 700 |
| 6,5 | 82,5 | 31,8 | 237 700 |
| 7,0 | 81,6 | 31,7 | 233 900 |
| 7,5 | 80,6 | 31,6 | 230 200 |
| 8,0 | 79,6 | 31,5 | 224 100 |
| 9,0 | 77,6 | 31,2 | 183 800 |
| 10,0 | 75,7 | 31,0 | 150 500 |
| 11,0 | 73,7 | 30,7 | 124 000 |
| 12,0 | 71,6 | 30,3 | 101 200 |
| 13,0 | 69,6 | 29,9 | 83 300 |
| 14,0 | 67,5 | 29,5 | 67 500 |
| 15,0 | 65,4 | 29,0 | 54 800 |
| 16,0 | 63,2 | 28,5 | 44 400 |
| 17,0 | 61,0 | 27,9 | 35 200 |
| 18,0 | 58,8 | 27,3 | 27 500 |
| 19,0 | 56,5 | 26,6 | 20 800 |
| 20,0 | 54,1 | 25,8 | 14 700 |
| 21,0 | 51,6 | 25,0 | 9 000 |

| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 232 000 |
| 6,0 | 84,6 | 37,9 | 230 400 |
| 6,5 | 83,8 | 37,8 | 226 600 |
| 7,0 | 83,0 | 37,8 | 223 000 |
| 7,5 | 82,2 | 37,7 | 219 400 |
| 8,0 | 81,4 | 37,6 | 215 200 |
| 9,0 | 79,7 | 37,4 | 187 500 |
| 10,0 | 78,1 | 37,2 | 154 600 |
| 11,0 | 76,5 | 36,9 | 128 400 |
| 12,0 | 74,8 | 36,6 | 107 600 |
| 13,0 | 73,1 | 36,3 | 90 000 |
| 14,0 | 71,5 | 36,0 | 74 200 |
| 15,0 | 69,7 | 35,6 | 61 500 |
| 16,0 | 68,0 | 35,2 | 51 000 |
| 17,0 | 66,3 | 34,7 | 41 600 |
| 18,0 | 64,5 | 34,2 | 33 900 |
| 19,0 | 62,7 | 33,7 | 27 100 |
| 20,0 | 60,9 | 33,1 | 20 900 |
| 21,0 | 59,0 | 32,5 | 15 200 |
| 22,0 | 57,1 | 31,8 | 10 000 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 208 100 |
| 6,5 | 84,7 | 43,9 | 207 500 |
| 7,0 | 84,0 | 43,8 | 204 400 |
| 7,5 | 83,3 | 43,8 | 201 300 |
| 8,0 | 82,6 | 43,7 | 198 400 |
| 9,0 | 81,2 | 43,5 | 186 800 |
| 10,0 | 79,8 | 43,3 | 157 100 |
| 11,0 | 78,4 | 43,1 | 131 200 |
| 12,0 | 77,0 | 42,9 | 110 500 |
| 13,0 | 75,6 | 42,6 | 93 900 |
| 14,0 | 74,2 | 42,3 | 78 900 |
| 15,0 | 72,8 | 42,0 | 66 100 |
| 16,0 | 71,3 | 41,6 | 55 500 |
| 17,0 | 69,9 | 41,2 | 46 100 |
| 18,0 | 68,4 | 40,8 | 38 300 |
| 19,0 | 66,9 | 40,4 | 31 400 |
| 20,0 | 65,4 | 39,9 | 24 900 |
| 21,0 | 63,9 | 39,4 | 19 200 |
| 22,0 | 62,3 | 38,9 | 14 000 |
| 24,0 | 59,1 | 37,7 | 4 900 |

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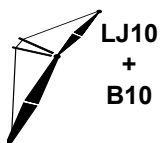


| m | ° | m | kg |
|-------|-------|-------|---------|
| 7,3 | 84,4 | 49,8 | 186 400 |
| 7,5 | 84,1 | 49,8 | 185 500 |
| 8,0 | 83,5 | 49,8 | 183 100 |
| 9,0 | 82,3 | 49,6 | 178 100 |
| 10,0 | 81,1 | 49,4 | 158 600 |
| 11,0 | 79,9 | 49,3 | 132 800 |
| 12,0 | 78,7 | 49,0 | 112 200 |
| 13,0 | 77,5 | 48,8 | 95 800 |
| 14,0 | 76,2 | 48,5 | 81 000 |
| 15,0 | 75,0 | 48,3 | 68 800 |
| 16,0 | 73,7 | 48,0 | 58 300 |
| 17,0 | 72,5 | 47,6 | 48 900 |
| 18,0 | 71,2 | 47,3 | 40 900 |
| 19,0 | 69,9 | 46,9 | 33 800 |
| 20,0 | 68,7 | 46,5 | 27 300 |
| 21,0 | 67,4 | 46,1 | 21 600 |
| 22,0 | 66,1 | 45,6 | 16 400 |
| 24,0 | 63,4 | 44,6 | 7 400 |

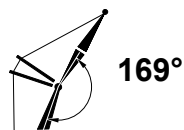
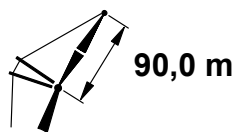
REFERENCE ONLY!

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ASME B30.5



175 200 kg



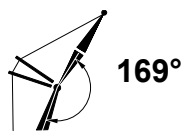
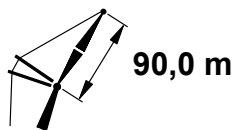
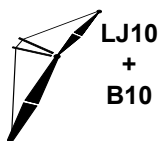
| m | o | m | kg |
|------|------|------|---------|
| 5,5 | 84,5 | 31,9 | 239 600 |
| 6,0 | 83,5 | 31,9 | 235 200 |
| 6,5 | 82,5 | 31,8 | 231 000 |
| 7,0 | 81,6 | 31,7 | 227 000 |
| 7,5 | 80,6 | 31,6 | 223 100 |
| 8,0 | 79,6 | 31,5 | 216 500 |
| 9,0 | 77,6 | 31,2 | 173 800 |
| 10,0 | 75,7 | 31,0 | 140 900 |
| 11,0 | 73,7 | 30,7 | 114 700 |
| 12,0 | 71,6 | 30,3 | 93 100 |
| 13,0 | 69,6 | 29,9 | 75 500 |
| 14,0 | 67,5 | 29,5 | 59 900 |
| 15,0 | 65,4 | 29,0 | 47 600 |
| 16,0 | 63,2 | 28,5 | 37 300 |
| 17,0 | 61,0 | 27,9 | 28 300 |
| 18,0 | 58,8 | 27,3 | 20 700 |
| 19,0 | 56,5 | 26,6 | 13 700 |

| m | o | m | kg |
|------|------|------|---------|
| 5,8 | 84,9 | 37,9 | 225 900 |
| 6,0 | 84,6 | 37,9 | 224 200 |
| 6,5 | 83,8 | 37,8 | 220 300 |
| 7,0 | 83,0 | 37,8 | 216 600 |
| 7,5 | 82,2 | 37,7 | 212 900 |
| 8,0 | 81,4 | 37,6 | 208 200 |
| 9,0 | 79,7 | 37,4 | 178 300 |
| 10,0 | 78,1 | 37,2 | 145 800 |
| 11,0 | 76,5 | 36,9 | 119 900 |
| 12,0 | 74,8 | 36,6 | 99 300 |
| 13,0 | 73,1 | 36,3 | 82 500 |
| 14,0 | 71,5 | 36,0 | 67 400 |
| 15,0 | 69,7 | 35,6 | 54 900 |
| 16,0 | 68,0 | 35,2 | 44 500 |
| 17,0 | 66,3 | 34,7 | 35 300 |
| 18,0 | 64,5 | 34,2 | 27 500 |
| 19,0 | 62,7 | 33,7 | 20 500 |
| 20,0 | 60,9 | 33,1 | 13 900 |
| 21,0 | 59,0 | 32,5 | 8 200 |

| m | o | m | kg |
|------|------|------|---------|
| 6,4 | 84,8 | 43,9 | 202 400 |
| 6,5 | 84,7 | 43,9 | 201 700 |
| 7,0 | 84,0 | 43,8 | 198 500 |
| 7,5 | 83,3 | 43,8 | 195 400 |
| 8,0 | 82,6 | 43,7 | 192 400 |
| 9,0 | 81,2 | 43,5 | 178 800 |
| 10,0 | 79,8 | 43,3 | 148 800 |
| 11,0 | 78,4 | 43,1 | 123 200 |
| 12,0 | 77,0 | 42,9 | 102 800 |
| 13,0 | 75,6 | 42,6 | 86 500 |
| 14,0 | 74,2 | 42,3 | 71 800 |
| 15,0 | 72,8 | 42,0 | 59 600 |
| 16,0 | 71,3 | 41,6 | 49 200 |
| 17,0 | 69,9 | 41,2 | 39 900 |
| 18,0 | 68,4 | 40,8 | 31 900 |
| 19,0 | 66,9 | 40,4 | 24 800 |
| 20,0 | 65,4 | 39,9 | 18 300 |
| 21,0 | 63,9 | 39,4 | 12 700 |
| 22,0 | 62,3 | 38,9 | 7 500 |

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ASME B30.5

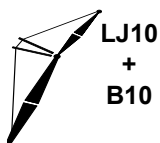


| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 181 100 |
| 7,5 | 84,1 | 49,8 | 180 200 |
| 8,0 | 83,5 | 49,8 | 177 800 |
| 9,0 | 82,3 | 49,6 | 171 300 |
| 10,0 | 81,1 | 49,4 | 150 700 |
| 11,0 | 79,9 | 49,3 | 125 200 |
| 12,0 | 78,7 | 49,0 | 105 000 |
| 13,0 | 77,5 | 48,8 | 88 800 |
| 14,0 | 76,2 | 48,5 | 74 200 |
| 15,0 | 75,0 | 48,3 | 62 000 |
| 16,0 | 73,7 | 48,0 | 51 800 |
| 17,0 | 72,5 | 47,6 | 42 500 |
| 18,0 | 71,2 | 47,3 | 34 500 |
| 19,0 | 69,9 | 46,9 | 27 500 |
| 20,0 | 68,7 | 46,5 | 21 100 |
| 21,0 | 67,4 | 46,1 | 15 500 |
| 22,0 | 66,1 | 45,6 | 10 400 |

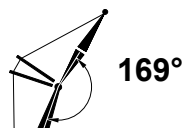
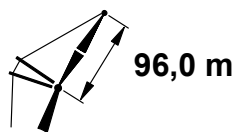
REFERENCE ONLY!

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ASME B30.5



175 200 kg



| 30,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,5 | 84,5 | 31,9 | 233 500 |
| 6,0 | 83,5 | 31,9 | 228 800 |
| 6,5 | 82,5 | 31,8 | 224 500 |
| 7,0 | 81,6 | 31,7 | 220 300 |
| 7,5 | 80,6 | 31,6 | 215 300 |
| 8,0 | 79,6 | 31,5 | 206 400 |
| 9,0 | 77,6 | 31,2 | 164 000 |
| 10,0 | 75,7 | 31,0 | 131 500 |
| 11,0 | 73,7 | 30,7 | 105 600 |
| 12,0 | 71,6 | 30,3 | 84 800 |
| 13,0 | 69,6 | 29,9 | 67 800 |
| 14,0 | 67,5 | 29,5 | 52 600 |
| 15,0 | 65,4 | 29,0 | 40 400 |
| 16,0 | 63,2 | 28,5 | 30 400 |
| 17,0 | 61,0 | 27,9 | 21 300 |
| 18,0 | 58,8 | 27,3 | 13 200 |

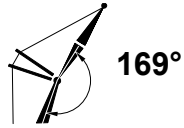
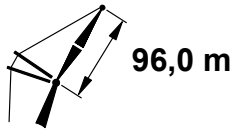
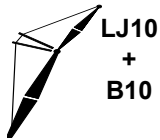
| 36,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 5,8 | 84,9 | 37,9 | 219 900 |
| 6,0 | 84,6 | 37,9 | 218 200 |
| 6,5 | 83,8 | 37,8 | 214 200 |
| 7,0 | 83,0 | 37,8 | 210 300 |
| 7,5 | 82,2 | 37,7 | 206 500 |
| 8,0 | 81,4 | 37,6 | 201 300 |
| 9,0 | 79,7 | 37,4 | 169 200 |
| 10,0 | 78,1 | 37,2 | 137 100 |
| 11,0 | 76,5 | 36,9 | 111 600 |
| 12,0 | 74,8 | 36,6 | 91 200 |
| 13,0 | 73,1 | 36,3 | 75 000 |
| 14,0 | 71,5 | 36,0 | 60 300 |
| 15,0 | 69,7 | 35,6 | 48 200 |
| 16,0 | 68,0 | 35,2 | 37 800 |
| 17,0 | 66,3 | 34,7 | 28 500 |
| 18,0 | 64,5 | 34,2 | 20 500 |
| 19,0 | 62,7 | 33,7 | 13 500 |

| 42,0 m | | | |
|--------|------|------|---------|
| m | o | m | kg |
| 6,4 | 84,8 | 43,9 | 196 800 |
| 6,5 | 84,7 | 43,9 | 196 100 |
| 7,0 | 84,0 | 43,8 | 192 900 |
| 7,5 | 83,3 | 43,8 | 189 700 |
| 8,0 | 82,6 | 43,7 | 186 600 |
| 9,0 | 81,2 | 43,5 | 170 900 |
| 10,0 | 79,8 | 43,3 | 140 700 |
| 11,0 | 78,4 | 43,1 | 115 500 |
| 12,0 | 77,0 | 42,9 | 95 300 |
| 13,0 | 75,6 | 42,6 | 79 200 |
| 14,0 | 74,2 | 42,3 | 64 700 |
| 15,0 | 72,8 | 42,0 | 52 700 |
| 16,0 | 71,3 | 41,6 | 42 500 |
| 17,0 | 69,9 | 41,2 | 33 300 |
| 18,0 | 68,4 | 40,8 | 25 400 |
| 19,0 | 66,9 | 40,4 | 18 400 |
| 20,0 | 65,4 | 39,9 | 12 000 |
| 21,0 | 63,9 | 39,4 | 6 400 |

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| <p>48,0 m</p> | | | |
|---------------|----------|----------|-----------|
| <p>m</p> | <p>°</p> | <p>m</p> | <p>kg</p> |
| 7,3 | 84,4 | 49,8 | 175 700 |
| 7,5 | 84,1 | 49,8 | 174 800 |
| 8,0 | 83,5 | 49,8 | 172 300 |
| 9,0 | 82,3 | 49,6 | 165 400 |
| 10,0 | 81,1 | 49,4 | 143 000 |
| 11,0 | 79,9 | 49,3 | 117 900 |
| 12,0 | 78,7 | 49,0 | 97 900 |
| 13,0 | 77,5 | 48,8 | 81 900 |
| 14,0 | 76,2 | 48,5 | 67 500 |
| 15,0 | 75,0 | 48,3 | 55 600 |
| 16,0 | 73,7 | 48,0 | 45 500 |
| 17,0 | 72,5 | 47,6 | 36 300 |
| 18,0 | 71,2 | 47,3 | 28 500 |
| 19,0 | 69,9 | 46,9 | 21 600 |
| 20,0 | 68,7 | 46,5 | 15 200 |
| 21,0 | 67,4 | 46,1 | 9 700 |

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