

# Liftcrane Jib Capacities

**Jib No. 134 with 3 810 mm Strut on  
Boom No. 76  
80 740 kg Crane Counterweight  
31 980 kg Carbody Counterweight  
360 Degree Rating**

**14000  
SERIES 3**



**LIFTING CAPACITIES:** Chart supplements boom capacity chart No. 9460-AM. Lifting capacities for various boom lengths, jib lengths, and jib 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 (\*).

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 all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of jib load. Boom and jib are 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 uniformly supporting surface with gantry up. Refer to **Boom Rigging No. A16106**, **Jib Assembly No. A16462**, **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.



**JIB POINT ELEVATION:** Jib point elevation is vertical distance from ground level to centerline of jib 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.

Maximum capacity on 26 mm wire rope is 14 290 kg per line (9 070 kg on 25,4 mm wire rope when auxiliary drum is used).

| 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      |

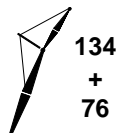
Load block, hook and weight ball on ground at start.  
 (a) Upper boom point cannot be used on 89,0 m boom or over side of crawlers on 80,0 m boom.  
 Upper boom point cannot be used when jib is attached.

| 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.  
 Upper boom point cannot be used when jib is attached.

| Boom Catwalks Deduct   |
|--|
| Deduct 200 kg from capacities when boom catwalks are attached. |

## Explanation of Symbols



Jib No. 134  
+  
Boom No. 76



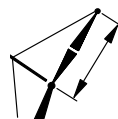
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Boom Length



Jib Length



Boom Angle  
(see page 1)



Operating Radius  
(see page 1)



Jib offset Angle



Jib Point Elevation  
(see page 1)

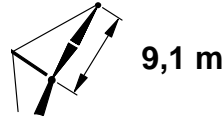
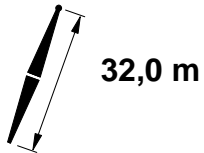
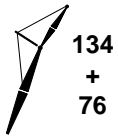


Lifting Capacities  
(see page 1)

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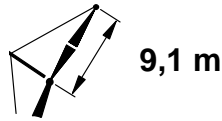
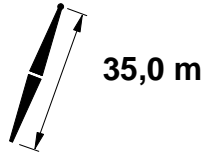
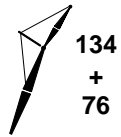


|      | 5°   |      |         | 15°  |      |         | 25°  |      |         |      |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | °    | m       | kg   | m    | kg      | m    | kg   | m       |      |
| 9,1  | 80,0 | 42,8 | 28 500* |      |      |         |      |      |         | 9,1  |
| 10,0 | 78,7 | 42,6 | 28 500* |      |      |         |      |      |         | 10,0 |
| 12,0 | 75,9 | 42,1 | 28 500* | 78,1 | 41,9 | 26 800* |      |      |         | 12,0 |
| 14,0 | 73,0 | 41,5 | 28 000* | 75,2 | 41,3 | 26 200* | 77,4 | 40,8 | 21 200* | 14,0 |
| 16,0 | 70,0 | 40,8 | 27 200* | 72,2 | 40,6 | 25 600* | 74,4 | 40,0 | 20 000* | 16,0 |
| 18,0 | 67,0 | 40,0 | 26 500* | 69,2 | 39,7 | 25 100* | 71,3 | 39,2 | 18 900* | 18,0 |
| 20,0 | 63,9 | 39,0 | 25 800* | 66,1 | 38,8 | 24 600* | 68,1 | 38,2 | 17 900* | 20,0 |
| 22,0 | 60,7 | 37,9 | 25 200* | 62,9 | 37,7 | 24 200* | 64,9 | 37,1 | 17 100* | 22,0 |
| 24,0 | 57,4 | 36,7 | 24 700* | 59,5 | 36,4 | 23 800* | 61,5 | 35,8 | 16 300* | 24,0 |
| 26,0 | 54,0 | 35,3 | 24 200* | 56,1 | 35,0 | 22 800* | 58,0 | 34,3 | 15 700* | 26,0 |
| 28,0 | 50,4 | 33,7 | 22 900  | 52,5 | 33,4 | 21 600* | 54,3 | 32,7 | 15 100* | 28,0 |
| 30,0 | 46,7 | 31,8 | 20 600  | 48,7 | 31,5 | 20 600* | 50,4 | 30,8 | 14 600* | 30,0 |
| 32,0 | 42,6 | 29,7 | 18 800  | 44,6 | 29,4 | 19 000  | 46,2 | 28,6 | 14 100* | 32,0 |
| 34,0 | 38,2 | 27,3 | 17 200  | 40,1 | 26,9 | 17 400  |      |      |         | 34,0 |
| 36,0 | 33,3 | 24,4 | 15 800  | 35,2 | 24,0 | 15 900  |      |      |         | 36,0 |
| 38,0 | 27,7 | 20,9 | 14 500  |      |      |         |      |      |         | 38,0 |

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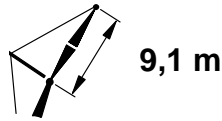
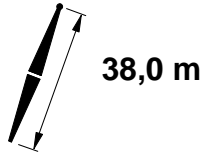
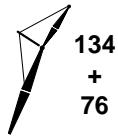
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| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 9,1  | 80,7 | 45,9 | 28 500* |      |      |         |      |      |         | 9,1  |
| 10,0 | 79,5 | 45,7 | 28 500* |      |      |         |      |      |         | 10,0 |
| 12,0 | 76,9 | 45,2 | 28 500* | 78,9 | 45,0 | 26 900* |      |      |         | 12,0 |
| 14,0 | 74,2 | 44,7 | 28 200* | 76,2 | 44,4 | 26 300* | 78,3 | 43,9 | 21 700* | 14,0 |
| 16,0 | 71,4 | 44,0 | 27 400* | 73,5 | 43,8 | 25 800* | 75,5 | 43,2 | 20 400* | 16,0 |
| 18,0 | 68,6 | 43,2 | 26 800* | 70,7 | 43,0 | 25 300* | 72,7 | 42,4 | 19 300* | 18,0 |
| 20,0 | 65,8 | 42,4 | 26 100* | 67,8 | 42,1 | 24 800* | 69,8 | 41,5 | 18 400* | 20,0 |
| 22,0 | 62,9 | 41,4 | 25 600* | 64,9 | 41,1 | 24 400* | 66,8 | 40,5 | 17 500* | 22,0 |
| 24,0 | 59,9 | 40,2 | 25 000* | 61,9 | 40,0 | 24 000* | 63,8 | 39,3 | 16 800* | 24,0 |
| 26,0 | 56,8 | 38,9 | 24 500* | 58,8 | 38,7 | 23 700* | 60,6 | 38,0 | 16 100* | 26,0 |
| 28,0 | 53,6 | 37,5 | 22 700  | 55,6 | 37,2 | 22 500* | 57,3 | 36,5 | 15 500* | 28,0 |
| 30,0 | 50,3 | 35,9 | 20 500  | 52,2 | 35,6 | 20 800  | 53,9 | 34,9 | 15 000* | 30,0 |
| 32,0 | 46,8 | 34,1 | 18 700  | 48,6 | 33,7 | 18 900  | 50,2 | 33,0 | 14 500* | 32,0 |
| 34,0 | 43,0 | 32,0 | 17 100  | 44,8 | 31,6 | 17 200  | 46,3 | 30,8 | 14 100* | 34,0 |
| 36,0 | 39,0 | 29,6 | 15 700  | 40,7 | 29,2 | 15 800  |      |      |         | 36,0 |
| 38,0 | 34,5 | 26,8 | 14 400  | 36,2 | 26,4 | 14 500  |      |      |         | 38,0 |
| 40,0 | 29,5 | 23,5 | 13 300  |      |      |         |      |      |         | 40,0 |
| 42,0 | 23,4 | 19,3 | 12 300  |      |      |         |      |      |         | 42,0 |

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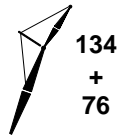
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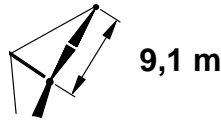
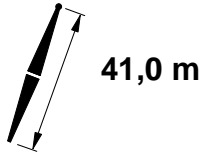
|      | 5°   |      |         | 15°  |      |         | 25°  |      |         |      |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | o    | m       | kg   | m    | o       | m    | kg   | m       |      |
| 10,7 | 79,4 | 48,6 | 28 500* |      |      |         |      |      |         | 10,7 |
| 12,0 | 77,7 | 48,3 | 28 500* |      |      |         |      |      |         | 12,0 |
| 14,0 | 75,2 | 47,8 | 28 400* | 77,1 | 47,6 | 26 400* | 79,1 | 47,0 | 22 100* | 14,0 |
| 16,0 | 72,7 | 47,2 | 27 600* | 74,6 | 47,0 | 25 900* | 76,5 | 46,4 | 20 800* | 16,0 |
| 18,0 | 70,1 | 46,5 | 27 000* | 72,0 | 46,2 | 25 400* | 73,9 | 45,7 | 19 800* | 18,0 |
| 20,0 | 67,5 | 45,7 | 26 400* | 69,3 | 45,4 | 25 000* | 71,2 | 44,8 | 18 800* | 20,0 |
| 22,0 | 64,8 | 44,8 | 25 800* | 66,7 | 44,5 | 24 500* | 68,5 | 43,9 | 18 000* | 22,0 |
| 24,0 | 62,0 | 43,7 | 25 300* | 63,9 | 43,4 | 24 200* | 65,7 | 42,8 | 17 200* | 24,0 |
| 26,0 | 59,2 | 42,5 | 24 800* | 61,1 | 42,3 | 23 900* | 62,8 | 41,6 | 16 600* | 26,0 |
| 28,0 | 56,3 | 41,2 | 22 500  | 58,1 | 40,9 | 22 900  | 59,8 | 40,3 | 16 000* | 28,0 |
| 30,0 | 53,3 | 39,8 | 20 400  | 55,1 | 39,5 | 20 600  | 56,7 | 38,8 | 15 400* | 30,0 |
| 32,0 | 50,2 | 38,1 | 18 600  | 51,9 | 37,8 | 18 800  | 53,5 | 37,1 | 15 000* | 32,0 |
| 34,0 | 46,9 | 36,3 | 17 000  | 48,6 | 36,0 | 17 200  | 50,1 | 35,2 | 14 500* | 34,0 |
| 36,0 | 43,4 | 34,3 | 15 600  | 45,1 | 33,9 | 15 700  | 46,5 | 33,1 | 14 200* | 36,0 |
| 38,0 | 39,7 | 31,9 | 14 300  | 41,3 | 31,5 | 14 500  | 42,6 | 30,7 | 13 800* | 38,0 |
| 40,0 | 35,6 | 29,2 | 13 200  | 37,2 | 28,8 | 13 300  |      |      |         | 40,0 |
| 42,0 | 31,0 | 26,1 | 12 200  | 32,6 | 25,6 | 12 300  |      |      |         | 42,0 |
| 44,0 | 25,8 | 22,2 | 11 300  |      |      |         |      |      |         | 44,0 |

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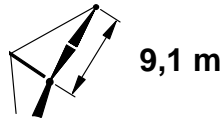
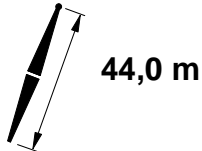
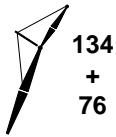
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,0 | 51,7 | 28 500* |      |      |         |      |      |         | 10,7 |
| 12,0 | 78,5 | 51,4 | 28 500* |      |      |         |      |      |         | 12,0 |
| 14,0 | 76,1 | 50,9 | 28 400* | 77,9 | 50,7 | 26 500* | 79,8 | 50,1 | 22 400* | 14,0 |
| 16,0 | 73,7 | 50,3 | 27 800* | 75,5 | 50,1 | 26 000* | 77,3 | 49,5 | 21 200* | 16,0 |
| 18,0 | 71,3 | 49,7 | 27 200* | 73,1 | 49,4 | 25 500* | 74,9 | 48,8 | 20 200* | 18,0 |
| 20,0 | 68,9 | 48,9 | 26 600* | 70,7 | 48,7 | 25 100* | 72,4 | 48,1 | 19 200* | 20,0 |
| 22,0 | 66,4 | 48,1 | 26 000* | 68,2 | 47,8 | 24 700* | 69,9 | 47,2 | 18 400* | 22,0 |
| 24,0 | 63,8 | 47,1 | 25 500* | 65,6 | 46,8 | 24 300* | 67,3 | 46,2 | 17 700* | 24,0 |
| 26,0 | 61,2 | 46,0 | 24 900  | 63,0 | 45,7 | 24 000* | 64,6 | 45,1 | 17 000* | 26,0 |
| 28,0 | 58,6 | 44,8 | 22 300  | 60,3 | 44,5 | 22 800  | 61,9 | 43,9 | 16 400* | 28,0 |
| 30,0 | 55,8 | 43,5 | 20 200  | 57,5 | 43,2 | 20 500  | 59,1 | 42,5 | 15 800* | 30,0 |
| 32,0 | 53,0 | 42,0 | 18 400  | 54,7 | 41,7 | 18 600  | 56,2 | 41,0 | 15 400* | 32,0 |
| 34,0 | 50,0 | 40,4 | 16 800  | 51,7 | 40,0 | 17 000  | 53,2 | 39,3 | 14 900* | 34,0 |
| 36,0 | 46,9 | 38,5 | 15 400  | 48,6 | 38,2 | 15 600  | 50,0 | 37,4 | 14 500* | 36,0 |
| 38,0 | 43,7 | 36,5 | 14 200  | 45,3 | 36,1 | 14 300  | 46,6 | 35,3 | 14 200* | 38,0 |
| 40,0 | 40,2 | 34,2 | 13 100  | 41,8 | 33,8 | 13 200  |      |      |         | 40,0 |
| 42,0 | 36,4 | 31,6 | 12 100  | 37,9 | 31,2 | 12 200  |      |      |         | 42,0 |
| 44,0 | 32,3 | 28,6 | 11 200  | 33,7 | 28,1 | 11 200  |      |      |         | 44,0 |
| 46,0 | 27,6 | 25,0 | 10 300  |      |      |         |      |      |         | 46,0 |

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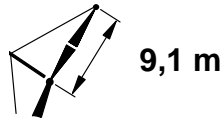
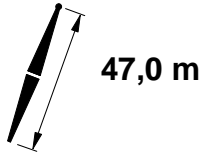
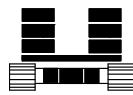
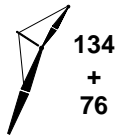


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,6 | 54,7 | 28 500* |      |      |         |      |      |         | 10,7 |
| 12,0 | 79,1 | 54,5 | 28 500* |      |      |         |      |      |         | 12,0 |
| 14,0 | 76,9 | 54,0 | 28 500* | 78,6 | 53,8 | 26 500* | 80,4 | 53,2 | 22 700* | 14,0 |
| 16,0 | 74,7 | 53,5 | 27 900* | 76,4 | 53,2 | 26 000* | 78,1 | 52,7 | 21 600* | 16,0 |
| 18,0 | 72,4 | 52,9 | 27 300* | 74,1 | 52,6 | 25 600* | 75,8 | 52,0 | 20 500* | 18,0 |
| 20,0 | 70,1 | 52,2 | 26 700* | 71,8 | 51,9 | 25 200* | 73,5 | 51,3 | 19 600* | 20,0 |
| 22,0 | 67,8 | 51,4 | 26 200* | 69,5 | 51,1 | 24 800* | 71,1 | 50,5 | 18 800* | 22,0 |
| 24,0 | 65,4 | 50,5 | 25 700* | 67,1 | 50,2 | 24 400* | 68,7 | 49,6 | 18 100* | 24,0 |
| 26,0 | 63,0 | 49,5 | 24 600  | 64,7 | 49,2 | 24 100* | 66,3 | 48,6 | 17 400* | 26,0 |
| 28,0 | 60,6 | 48,3 | 22 100  | 62,2 | 48,1 | 22 500  | 63,7 | 47,4 | 16 800* | 28,0 |
| 30,0 | 58,0 | 47,1 | 20 000  | 59,7 | 46,8 | 20 300  | 61,2 | 46,2 | 16 200* | 30,0 |
| 32,0 | 55,4 | 45,8 | 18 200  | 57,0 | 45,5 | 18 400  | 58,5 | 44,8 | 15 700* | 32,0 |
| 34,0 | 52,7 | 44,3 | 16 600  | 54,3 | 44,0 | 16 800  | 55,7 | 43,3 | 15 300* | 34,0 |
| 36,0 | 49,9 | 42,6 | 15 200  | 51,5 | 42,3 | 15 400  | 52,9 | 41,6 | 14 900* | 36,0 |
| 38,0 | 47,0 | 40,8 | 14 000  | 48,6 | 40,5 | 14 100  | 49,9 | 39,7 | 14 300  | 38,0 |
| 40,0 | 44,0 | 38,8 | 12 900  | 45,5 | 38,4 | 13 000  | 46,7 | 37,6 | 13 100  | 40,0 |
| 42,0 | 40,7 | 36,5 | 11 800  | 42,2 | 36,1 | 12 000  | 43,3 | 35,3 | 12 100  | 42,0 |
| 44,0 | 37,2 | 34,0 | 10 900  | 38,6 | 33,6 | 11 100  |      |      |         | 44,0 |
| 46,0 | 33,4 | 31,1 | 10 100  | 34,8 | 30,6 | 10 200  |      |      |         | 46,0 |
| 48,0 | 29,2 | 27,7 | 9 400   |      |      |         |      |      |         | 48,0 |
| 50,0 | 24,2 | 23,5 | 8 700   |      |      |         |      |      |         | 50,0 |



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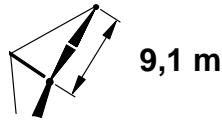
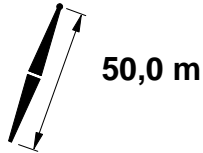
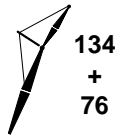
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 79,5 | 57,5 | 28 500* |      |      |         |      |      |         | 12,2 |
| 14,0 | 77,6 | 57,1 | 28 500* | 79,3 | 56,8 | 26 500* |      |      |         | 14,0 |
| 16,0 | 75,5 | 56,6 | 28 000* | 77,1 | 56,3 | 26 000* |      |      |         | 16,0 |
| 18,0 | 73,4 | 56,0 | 27 400* | 75,0 | 55,7 | 25 600* | 78,8 | 55,8 | 21 900* | 18,0 |
| 20,0 | 71,2 | 55,3 | 26 800* | 72,8 | 55,1 | 25 200* | 76,6 | 55,2 | 20 900* | 20,0 |
| 22,0 | 69,1 | 54,6 | 26 300* | 70,6 | 54,3 | 24 800* | 74,4 | 54,5 | 20 000* | 22,0 |
| 24,0 | 66,8 | 53,7 | 25 900* | 68,4 | 53,5 | 24 500* | 72,2 | 53,7 | 19 200* | 24,0 |
| 26,0 | 64,6 | 52,8 | 24 500  | 66,2 | 52,5 | 24 200* | 69,9 | 52,9 | 18 400* | 26,0 |
| 28,0 | 62,3 | 51,8 | 22 000  | 63,8 | 51,5 | 22 400  | 67,7 | 51,9 | 17 800* | 28,0 |
| 30,0 | 59,9 | 50,6 | 19 900  | 61,5 | 50,3 | 20 100  | 65,3 | 50,9 | 17 200* | 30,0 |
| 32,0 | 57,5 | 49,4 | 18 000  | 59,1 | 49,1 | 18 300  | 62,9 | 49,7 | 16 600* | 32,0 |
| 34,0 | 55,0 | 48,0 | 16 400  | 56,6 | 47,7 | 16 700  | 60,5 | 48,4 | 16 100* | 34,0 |
| 36,0 | 52,5 | 46,5 | 15 000  | 54,0 | 46,2 | 15 300  | 57,9 | 47,0 | 15 600* | 36,0 |
| 38,0 | 49,8 | 44,8 | 13 800  | 51,3 | 44,5 | 14 000  | 55,3 | 45,5 | 15 200  | 38,0 |
| 40,0 | 47,1 | 43,0 | 12 700  | 48,5 | 42,7 | 12 900  | 52,6 | 43,8 | 14 200  | 40,0 |
| 42,0 | 44,2 | 41,0 | 11 700  | 45,6 | 40,7 | 11 800  | 49,8 | 41,9 | 13 000  | 42,0 |
| 44,0 | 41,1 | 38,8 | 10 800  | 42,5 | 38,4 | 10 900  | 46,8 | 39,8 | 12 000  | 44,0 |
| 46,0 | 37,9 | 36,3 | 10 000  | 39,2 | 35,9 | 10 100  | 43,6 | 37,5 | 11 000  | 46,0 |
| 48,0 | 34,3 | 33,5 | 9 200   | 35,6 | 33,0 | 9 300   |      |      |         | 48,0 |
| 50,0 | 30,4 | 30,2 | 8 500   | 31,7 | 29,7 | 8 600   |      |      |         | 50,0 |
| 52,0 | 26,0 | 26,4 | 7 900   |      |      |         |      |      |         | 52,0 |

# 14000 S-3

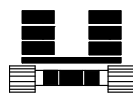
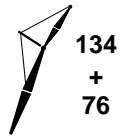
ASME B30.5



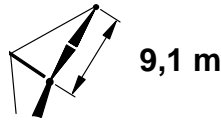
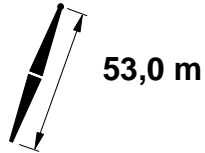
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 12,2 | 80,1 | 60,5 | 28 500* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,3 | 60,2 | 28 500* | 79,8 | 59,9 | 26 400* |      |      |         | 14,0 |
| 16,0 | 76,3 | 59,7 | 28 000* | 77,8 | 59,4 | 26 000* | 79,4 | 58,8 | 22 200* | 16,0 |
| 18,0 | 74,3 | 59,1 | 27 400* | 75,8 | 58,9 | 25 600* | 77,3 | 58,3 | 21 200* | 18,0 |
| 20,0 | 72,2 | 58,5 | 26 900* | 73,7 | 58,2 | 25 200* | 75,3 | 57,6 | 20 300* | 20,0 |
| 22,0 | 70,2 | 57,8 | 26 400* | 71,7 | 57,5 | 24 900* | 73,2 | 56,9 | 19 500* | 22,0 |
| 24,0 | 68,1 | 57,0 | 26 000* | 69,6 | 56,7 | 24 600* | 71,0 | 56,1 | 18 800* | 24,0 |
| 26,0 | 66,0 | 56,1 | 24 300  | 67,5 | 55,8 | 24 200* | 68,9 | 55,2 | 18 100* | 26,0 |
| 28,0 | 63,8 | 55,1 | 21 800  | 65,3 | 54,9 | 22 200  | 66,7 | 54,2 | 17 500* | 28,0 |
| 30,0 | 61,6 | 54,1 | 19 700  | 63,1 | 53,8 | 20 000  | 64,5 | 53,2 | 17 000* | 30,0 |
| 32,0 | 59,4 | 52,9 | 17 900  | 60,8 | 52,6 | 18 200  | 62,2 | 52,0 | 16 400* | 32,0 |
| 34,0 | 57,1 | 51,6 | 16 300  | 58,5 | 51,3 | 16 600  | 59,8 | 50,7 | 16 000* | 34,0 |
| 36,0 | 54,7 | 50,2 | 14 900  | 56,1 | 49,9 | 15 100  | 57,4 | 49,2 | 15 300  | 36,0 |
| 38,0 | 52,3 | 48,7 | 13 700  | 53,7 | 48,4 | 13 900  | 54,9 | 47,7 | 14 100  | 38,0 |
| 40,0 | 49,7 | 47,1 | 12 600  | 51,1 | 46,7 | 12 700  | 52,4 | 46,0 | 12 900  | 40,0 |
| 42,0 | 47,1 | 45,2 | 11 600  | 48,5 | 44,9 | 11 700  | 49,7 | 44,1 | 11 900  | 42,0 |
| 44,0 | 44,4 | 43,2 | 10 700  | 45,7 | 42,9 | 10 800  | 46,9 | 42,1 | 10 900  | 44,0 |
| 46,0 | 41,5 | 41,0 | 9 800   | 42,8 | 40,7 | 10 000  | 43,9 | 39,8 | 10 100  | 46,0 |
| 48,0 | 38,4 | 38,6 | 9 100   | 39,7 | 38,2 | 9 200   |      |      |         | 48,0 |
| 50,0 | 35,1 | 35,8 | 8 400   | 36,4 | 35,4 | 8 500   |      |      |         | 50,0 |
| 52,0 | 31,5 | 32,7 | 7 800   |      |      |         |      |      |         | 52,0 |
| 54,0 | 27,5 | 29,1 | 7 200   |      |      |         |      |      |         | 54,0 |
| 56,0 | 22,8 | 24,7 | 6 600   |      |      |         |      |      |         | 56,0 |

# 14000 S-3

ASME B30.5



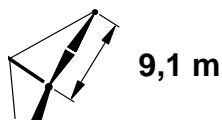
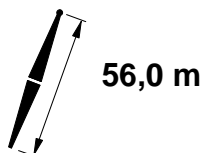
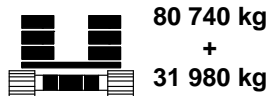
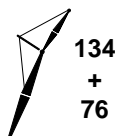
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,5 | 63,6 | 28 500* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,8 | 63,2 | 28 500* | 80,3 | 63,0 | 26 400* |      |      |         | 14,0 |
| 16,0 | 76,9 | 62,8 | 28 000* | 78,4 | 62,5 | 26 000* |      |      |         | 16,0 |
| 18,0 | 75,0 | 62,3 | 27 400* | 76,5 | 62,0 | 25 600* | 79,9 | 62,0 | 22 500* | 18,0 |
| 20,0 | 73,1 | 61,7 | 26 900* | 74,6 | 61,4 | 25 200* | 78,0 | 61,4 | 21 500* | 20,0 |
| 22,0 | 71,2 | 61,0 | 26 500* | 72,6 | 60,7 | 24 900* | 76,0 | 60,8 | 20 600* | 22,0 |
| 24,0 | 69,2 | 60,2 | 26 000* | 70,6 | 60,0 | 24 600* | 74,0 | 60,1 | 19 800* | 24,0 |
| 26,0 | 67,2 | 59,4 | 24 200  | 68,6 | 59,1 | 24 200* | 72,0 | 59,4 | 19 100* | 26,0 |
| 28,0 | 65,2 | 58,5 | 21 700  | 66,6 | 58,2 | 22 100  | 70,0 | 58,5 | 18 500* | 28,0 |
| 30,0 | 63,1 | 57,5 | 19 600  | 64,5 | 57,2 | 19 900  | 67,9 | 57,6 | 17 800* | 30,0 |
| 32,0 | 61,0 | 56,4 | 17 700  | 62,4 | 56,1 | 18 000  | 65,9 | 56,6 | 17 300* | 32,0 |
| 34,0 | 58,9 | 55,2 | 16 100  | 60,3 | 54,9 | 16 400  | 63,7 | 55,5 | 16 800* | 34,0 |
| 36,0 | 56,7 | 53,9 | 14 700  | 58,0 | 53,6 | 15 000  | 61,5 | 54,3 | 16 300* | 36,0 |
| 38,0 | 54,4 | 52,5 | 13 500  | 55,8 | 52,2 | 13 700  | 59,3 | 52,9 | 15 300  | 38,0 |
| 40,0 | 52,1 | 51,0 | 12 400  | 53,4 | 50,7 | 12 600  | 57,0 | 51,5 | 13 900  | 40,0 |
| 42,0 | 49,7 | 49,3 | 11 400  | 51,0 | 49,0 | 11 600  | 54,6 | 49,9 | 12 800  | 42,0 |
| 44,0 | 47,2 | 47,5 | 10 500  | 48,5 | 47,2 | 10 700  | 52,2 | 48,2 | 11 700  | 44,0 |
| 46,0 | 44,6 | 45,5 | 9 700   | 45,9 | 45,2 | 9 800   | 49,6 | 46,4 | 10 800  | 46,0 |
| 48,0 | 41,9 | 43,3 | 8 900   | 43,1 | 43,0 | 9 100   | 46,9 | 44,3 | 9 900   | 48,0 |
| 50,0 | 39,0 | 40,9 | 8 200   | 40,2 | 40,5 | 8 400   | 44,1 | 42,1 | 9 200   | 50,0 |
| 52,0 | 35,9 | 38,2 | 7 600   | 37,1 | 37,8 | 7 700   |      |      |         | 52,0 |
| 54,0 | 32,6 | 35,2 | 7 000   | 33,7 | 34,8 | 7 100   |      |      |         | 54,0 |
| 56,0 | 28,9 | 31,8 | 6 500   |      |      |         |      |      |         | 56,0 |
| 58,0 | 24,7 | 27,7 | 6 000   |      |      |         |      |      |         | 58,0 |

# 14000 S-3

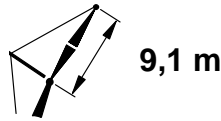
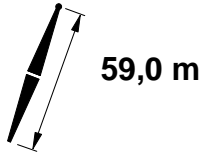
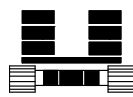
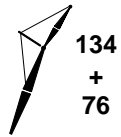
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 81,0 | 66,6 | 28 500* |      |      |         |      |      |         | 12,2 |
| 14,0 | 79,4 | 66,3 | 28 400* | 80,8 | 66,0 | 26 300* |      |      |         | 14,0 |
| 16,0 | 77,6 | 65,9 | 27 900* | 79,0 | 65,6 | 25 900* |      |      |         | 16,0 |
| 18,0 | 75,7 | 65,4 | 27 400* | 77,1 | 65,1 | 25 500* | 78,5 | 64,5 | 21 800* | 18,0 |
| 20,0 | 73,9 | 64,8 | 26 900* | 75,3 | 64,5 | 25 200* | 76,7 | 63,9 | 20 900* | 20,0 |
| 22,0 | 72,1 | 64,2 | 26 500* | 73,4 | 63,9 | 24 900* | 74,8 | 63,3 | 20 100* | 22,0 |
| 24,0 | 70,2 | 63,4 | 26 100* | 71,6 | 63,2 | 24 600* | 72,9 | 62,6 | 19 400* | 24,0 |
| 26,0 | 68,3 | 62,7 | 24 000  | 69,7 | 62,4 | 24 200* | 71,0 | 61,8 | 18 800* | 26,0 |
| 28,0 | 66,4 | 61,8 | 21 500  | 67,7 | 61,5 | 21 900  | 69,1 | 60,9 | 18 200* | 28,0 |
| 30,0 | 64,4 | 60,9 | 19 400  | 65,8 | 60,6 | 19 700  | 67,1 | 59,9 | 17 600* | 30,0 |
| 32,0 | 62,5 | 59,8 | 17 500  | 63,8 | 59,5 | 17 800  | 65,1 | 58,9 | 17 100* | 32,0 |
| 34,0 | 60,5 | 58,7 | 15 900  | 61,8 | 58,4 | 16 200  | 63,0 | 57,8 | 16 500* | 34,0 |
| 36,0 | 58,4 | 57,5 | 14 500  | 59,7 | 57,2 | 14 800  | 60,9 | 56,5 | 15 000  | 36,0 |
| 38,0 | 56,3 | 56,2 | 13 300  | 57,6 | 55,9 | 13 500  | 58,8 | 55,2 | 13 700  | 38,0 |
| 40,0 | 54,1 | 54,8 | 12 200  | 55,4 | 54,4 | 12 400  | 56,6 | 53,7 | 12 600  | 40,0 |
| 42,0 | 51,9 | 53,2 | 11 200  | 53,2 | 52,9 | 11 400  | 54,3 | 52,2 | 11 600  | 42,0 |
| 44,0 | 49,6 | 51,5 | 10 300  | 50,9 | 51,2 | 10 500  | 52,0 | 50,4 | 10 600  | 44,0 |
| 46,0 | 47,2 | 49,7 | 9 500   | 48,5 | 49,4 | 9 600   | 49,5 | 48,6 | 9 800   | 46,0 |
| 48,0 | 44,8 | 47,7 | 8 700   | 46,0 | 47,4 | 8 900   | 47,0 | 46,6 | 9 000   | 48,0 |
| 50,0 | 42,2 | 45,6 | 8 000   | 43,4 | 45,2 | 8 200   | 44,3 | 44,3 | 8 300   | 50,0 |
| 52,0 | 39,4 | 43,2 | 7 400   | 40,6 | 42,8 | 7 500   |      |      |         | 52,0 |
| 54,0 | 36,5 | 40,6 | 6 800   | 37,7 | 40,2 | 6 900   |      |      |         | 54,0 |
| 56,0 | 33,4 | 37,7 | 6 300   | 34,5 | 37,2 | 6 400   |      |      |         | 56,0 |
| 58,0 | 30,0 | 34,3 | 5 800   |      |      |         |      |      |         | 58,0 |
| 60,0 | 26,2 | 30,5 | 5 300   |      |      |         |      |      |         | 60,0 |
| 62,0 | 21,7 | 25,8 | 4 800   |      |      |         |      |      |         | 62,0 |

# 14000 S-3

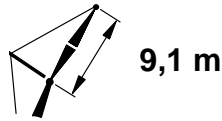
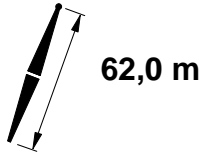
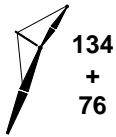
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,1 | 69,4 | 28 300* |      |      |         |      |      |         | 13,7 |
| 14,0 | 79,8 | 69,4 | 28 200* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,1 | 69,0 | 27 600* | 79,5 | 68,7 | 25 800* |      |      |         | 16,0 |
| 18,0 | 76,4 | 68,5 | 27 300* | 77,7 | 68,2 | 25 500* | 79,1 | 67,6 | 22 000* | 18,0 |
| 20,0 | 74,6 | 67,9 | 26 900* | 76,0 | 67,7 | 25 100* | 77,3 | 67,1 | 21 200* | 20,0 |
| 22,0 | 72,9 | 67,3 | 26 400* | 74,2 | 67,1 | 24 800* | 75,5 | 66,5 | 20 400* | 22,0 |
| 24,0 | 71,1 | 66,7 | 26 000* | 72,4 | 66,4 | 24 500* | 73,7 | 65,8 | 19 700* | 24,0 |
| 26,0 | 69,3 | 65,9 | 23 800  | 70,6 | 65,6 | 24 200* | 71,9 | 65,0 | 19 100* | 26,0 |
| 28,0 | 67,5 | 65,1 | 21 300  | 68,8 | 64,8 | 21 700  | 70,1 | 64,2 | 18 500* | 28,0 |
| 30,0 | 65,7 | 64,2 | 19 200  | 67,0 | 63,9 | 19 500  | 68,2 | 63,3 | 17 900* | 30,0 |
| 32,0 | 63,8 | 63,2 | 17 400  | 65,1 | 62,9 | 17 700  | 66,3 | 62,3 | 17 400* | 32,0 |
| 34,0 | 61,9 | 62,2 | 15 800  | 63,2 | 61,9 | 16 100  | 64,4 | 61,2 | 16 400  | 34,0 |
| 36,0 | 60,0 | 61,0 | 14 400  | 61,2 | 60,7 | 14 600  | 62,4 | 60,1 | 14 900  | 36,0 |
| 38,0 | 58,0 | 59,8 | 13 100  | 59,2 | 59,5 | 13 400  | 60,4 | 58,8 | 13 600  | 38,0 |
| 40,0 | 56,0 | 58,5 | 12 000  | 57,2 | 58,2 | 12 200  | 58,3 | 57,5 | 12 400  | 40,0 |
| 42,0 | 53,9 | 57,0 | 11 000  | 55,1 | 56,7 | 11 200  | 56,2 | 56,0 | 11 400  | 42,0 |
| 44,0 | 51,8 | 55,5 | 10 100  | 53,0 | 55,1 | 10 300  | 54,0 | 54,4 | 10 500  | 44,0 |
| 46,0 | 49,6 | 53,8 | 9 300   | 50,8 | 53,5 | 9 500   | 51,8 | 52,7 | 9 600   | 46,0 |
| 48,0 | 47,3 | 52,0 | 8 500   | 48,5 | 51,6 | 8 700   | 49,5 | 50,8 | 8 800   | 48,0 |
| 50,0 | 44,9 | 50,0 | 7 800   | 46,1 | 49,6 | 8 000   | 47,1 | 48,8 | 8 100   | 50,0 |
| 52,0 | 42,5 | 47,9 | 7 200   | 43,6 | 47,5 | 7 300   | 44,5 | 46,6 | 7 500   | 52,0 |
| 54,0 | 39,9 | 45,5 | 6 600   | 41,0 | 45,1 | 6 800   |      |      |         | 54,0 |
| 56,0 | 37,1 | 43,0 | 6 100   | 38,2 | 42,5 | 6 200   |      |      |         | 56,0 |
| 58,0 | 34,2 | 40,1 | 5 600   | 35,3 | 39,6 | 5 700   |      |      |         | 58,0 |
| 60,0 | 31,0 | 36,9 | 5 100   | 32,1 | 36,4 | 5 200   |      |      |         | 60,0 |
| 62,0 | 27,5 | 33,2 | 4 700   |      |      |         |      |      |         | 62,0 |
| 64,0 | 23,5 | 28,9 | 4 300   |      |      |         |      |      |         | 64,0 |

# 14000 S-3

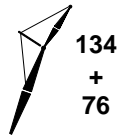
ASME B30.5



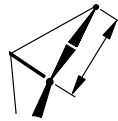
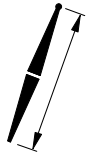
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 13,7 | 80,5 | 72,5 | 28 200* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,3 | 72,4 | 28 100* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,6 | 72,0 | 27 600* | 79,9 | 71,7 | 25 700* |      |      |         | 16,0 |
| 18,0 | 77,0 | 71,6 | 27 200* | 78,3 | 71,3 | 25 300* | 79,5 | 70,7 | 22 300* | 18,0 |
| 20,0 | 75,3 | 71,0 | 26 800* | 76,6 | 70,8 | 25 000* | 77,9 | 70,2 | 21 500* | 20,0 |
| 22,0 | 73,6 | 70,5 | 26 300* | 74,9 | 70,2 | 24 700* | 76,2 | 69,6 | 20 700* | 22,0 |
| 24,0 | 71,9 | 69,8 | 26 000* | 73,2 | 69,5 | 24 500* | 74,4 | 68,9 | 20 000* | 24,0 |
| 26,0 | 70,2 | 69,1 | 23 600  | 71,5 | 68,8 | 24 100* | 72,7 | 68,2 | 19 400* | 26,0 |
| 28,0 | 68,5 | 68,3 | 21 200  | 69,7 | 68,1 | 21 600  | 71,0 | 67,4 | 18 800* | 28,0 |
| 30,0 | 66,7 | 67,5 | 19 000  | 68,0 | 67,2 | 19 400  | 69,2 | 66,6 | 18 200* | 30,0 |
| 32,0 | 65,0 | 66,6 | 17 200  | 66,2 | 66,3 | 17 500  | 67,4 | 65,6 | 17 700* | 32,0 |
| 34,0 | 63,2 | 65,6 | 15 600  | 64,4 | 65,3 | 15 900  | 65,6 | 64,6 | 16 200  | 34,0 |
| 36,0 | 61,3 | 64,5 | 14 200  | 62,6 | 64,2 | 14 500  | 63,7 | 63,5 | 14 800  | 36,0 |
| 38,0 | 59,5 | 63,3 | 13 000  | 60,7 | 63,0 | 13 200  | 61,8 | 62,3 | 13 500  | 38,0 |
| 40,0 | 57,6 | 62,1 | 11 900  | 58,8 | 61,8 | 12 100  | 59,9 | 61,1 | 12 300  | 40,0 |
| 42,0 | 55,6 | 60,7 | 10 900  | 56,8 | 60,4 | 11 100  | 57,9 | 59,7 | 11 300  | 42,0 |
| 44,0 | 53,6 | 59,3 | 10 000  | 54,8 | 58,9 | 10 200  | 55,9 | 58,2 | 10 300  | 44,0 |
| 46,0 | 51,6 | 57,7 | 9 100   | 52,8 | 57,4 | 9 300   | 53,8 | 56,6 | 9 500   | 46,0 |
| 48,0 | 49,5 | 56,0 | 8 400   | 50,6 | 55,7 | 8 600   | 51,6 | 54,9 | 8 700   | 48,0 |
| 50,0 | 47,3 | 54,2 | 7 700   | 48,5 | 53,8 | 7 900   | 49,4 | 53,1 | 8 000   | 50,0 |
| 52,0 | 45,1 | 52,2 | 7 100   | 46,2 | 51,9 | 7 200   | 47,1 | 51,1 | 7 300   | 52,0 |
| 54,0 | 42,7 | 50,1 | 6 500   | 43,8 | 49,7 | 6 600   | 44,7 | 48,9 | 6 700   | 54,0 |
| 56,0 | 40,2 | 47,8 | 5 900   | 41,3 | 47,4 | 6 100   |      |      |         | 56,0 |
| 58,0 | 37,6 | 45,3 | 5 400   | 38,7 | 44,8 | 5 500   |      |      |         | 58,0 |
| 60,0 | 34,9 | 42,5 | 5 000   | 35,9 | 42,0 | 5 100   |      |      |         | 60,0 |
| 62,0 | 31,9 | 39,4 | 4 500   | 32,9 | 38,9 | 4 600   |      |      |         | 62,0 |
| 64,0 | 28,7 | 35,9 | 4 100   |      |      |         |      |      |         | 64,0 |
| 66,0 | 25,0 | 31,8 | 3 700   |      |      |         |      |      |         | 66,0 |

# 14000 S-3

ASME B30.5



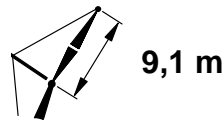
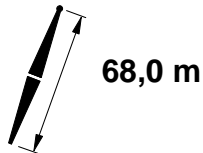
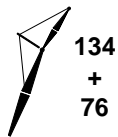
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,9 | 75,5 | 27 900* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,7 | 75,5 | 27 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 79,1 | 75,1 | 27 400* | 80,3 | 74,8 | 25 500* |      |      |         | 16,0 |
| 18,0 | 77,5 | 74,7 | 27 000* | 78,7 | 74,4 | 25 200* | 80,0 | 73,8 | 22 500* | 18,0 |
| 20,0 | 75,9 | 74,2 | 26 600* | 77,1 | 73,9 | 24 900* | 78,4 | 73,3 | 21 700* | 20,0 |
| 22,0 | 74,3 | 73,6 | 26 200* | 75,5 | 73,3 | 24 600* | 76,7 | 72,7 | 21 000* | 22,0 |
| 24,0 | 72,7 | 73,0 | 25 800* | 73,9 | 72,7 | 24 300* | 75,1 | 72,1 | 20 300* | 24,0 |
| 26,0 | 71,1 | 72,3 | 23 500  | 72,3 | 72,0 | 24 000  | 73,5 | 71,4 | 19 600* | 26,0 |
| 28,0 | 69,4 | 71,6 | 21 000  | 70,6 | 71,3 | 21 400  | 71,8 | 70,7 | 19 000* | 28,0 |
| 30,0 | 67,8 | 70,8 | 18 900  | 68,9 | 70,5 | 19 200  | 70,1 | 69,9 | 18 500* | 30,0 |
| 32,0 | 66,1 | 69,9 | 17 000  | 67,3 | 69,6 | 17 400  | 68,4 | 69,0 | 17 700  | 32,0 |
| 34,0 | 64,4 | 68,9 | 15 400  | 65,5 | 68,7 | 15 800  | 66,7 | 68,0 | 16 100  | 34,0 |
| 36,0 | 62,6 | 67,9 | 14 000  | 63,8 | 67,6 | 14 300  | 64,9 | 67,0 | 14 600  | 36,0 |
| 38,0 | 60,9 | 66,8 | 12 800  | 62,0 | 66,5 | 13 100  | 63,1 | 65,9 | 13 300  | 38,0 |
| 40,0 | 59,1 | 65,6 | 11 700  | 60,2 | 65,3 | 11 900  | 61,3 | 64,7 | 12 200  | 40,0 |
| 42,0 | 57,2 | 64,4 | 10 700  | 58,4 | 64,1 | 10 900  | 59,4 | 63,4 | 11 100  | 42,0 |
| 44,0 | 55,4 | 63,0 | 9 800   | 56,5 | 62,7 | 10 000  | 57,5 | 62,0 | 10 200  | 44,0 |
| 46,0 | 53,4 | 61,5 | 9 000   | 54,6 | 61,2 | 9 200   | 55,6 | 60,5 | 9 300   | 46,0 |
| 48,0 | 51,5 | 60,0 | 8 200   | 52,6 | 59,6 | 8 400   | 53,6 | 58,9 | 8 600   | 48,0 |
| 50,0 | 49,5 | 58,3 | 7 500   | 50,6 | 57,9 | 7 700   | 51,5 | 57,2 | 7 800   | 50,0 |
| 52,0 | 47,4 | 56,5 | 6 900   | 48,5 | 56,1 | 7 000   | 49,4 | 55,3 | 7 200   | 52,0 |
| 54,0 | 45,2 | 54,5 | 6 300   | 46,3 | 54,1 | 6 500   | 47,2 | 53,3 | 6 600   | 54,0 |
| 56,0 | 43,0 | 52,4 | 5 800   | 44,0 | 52,0 | 5 900   | 44,9 | 51,2 | 6 000   | 56,0 |
| 58,0 | 40,6 | 50,1 | 5 300   | 41,7 | 49,7 | 5 400   |      |      |         | 58,0 |
| 60,0 | 38,1 | 47,6 | 4 800   | 39,2 | 47,2 | 4 900   |      |      |         | 60,0 |
| 62,0 | 35,5 | 44,9 | 4 400   | 36,5 | 44,5 | 4 500   |      |      |         | 62,0 |
| 64,0 | 32,7 | 41,9 | 4 000   | 33,7 | 41,4 | 4 000   |      |      |         | 64,0 |
| 66,0 | 29,7 | 38,5 | 3 600   |      |      |         |      |      |         | 66,0 |
| 68,0 | 26,3 | 34,7 | 3 200   |      |      |         |      |      |         | 68,0 |
| 70,0 | 22,5 | 30,1 | 2 900   |      |      |         |      |      |         | 70,0 |

# 14000 S-3

ASME B30.5

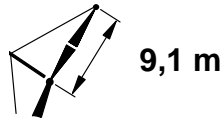
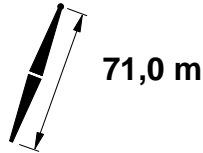
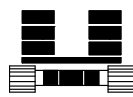
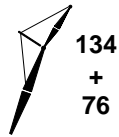


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 80,1 | 78,3 | 27 400* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,5 | 78,1 | 27 200* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,0 | 77,7 | 26 800* | 79,2 | 77,5 | 25 000* |      |      |         | 18,0 |
| 20,0 | 76,5 | 77,2 | 26 400* | 77,7 | 77,0 | 24 700* | 78,8 | 76,4 | 21 900* | 20,0 |
| 22,0 | 74,9 | 76,7 | 26 000* | 76,1 | 76,4 | 24 400* | 77,3 | 75,8 | 21 200* | 22,0 |
| 24,0 | 73,4 | 76,1 | 25 700  | 74,6 | 75,9 | 24 200* | 75,7 | 75,3 | 20 500* | 24,0 |
| 26,0 | 71,8 | 75,5 | 23 200  | 73,0 | 75,2 | 23 800  | 74,1 | 74,6 | 19 900* | 26,0 |
| 28,0 | 70,3 | 74,8 | 20 700  | 71,4 | 74,5 | 21 200  | 72,5 | 73,9 | 19 300* | 28,0 |
| 30,0 | 68,7 | 74,0 | 18 600  | 69,8 | 73,7 | 19 000  | 70,9 | 73,1 | 18 700* | 30,0 |
| 32,0 | 67,0 | 73,2 | 16 800  | 68,2 | 72,9 | 17 100  | 69,3 | 72,2 | 17 500  | 32,0 |
| 34,0 | 65,4 | 72,3 | 15 200  | 66,6 | 72,0 | 15 500  | 67,6 | 71,3 | 15 800  | 34,0 |
| 36,0 | 63,8 | 71,3 | 13 800  | 64,9 | 71,0 | 14 100  | 66,0 | 70,3 | 14 400  | 36,0 |
| 38,0 | 62,1 | 70,2 | 12 500  | 63,2 | 69,9 | 12 800  | 64,3 | 69,3 | 13 100  | 38,0 |
| 40,0 | 60,4 | 69,1 | 11 400  | 61,5 | 68,8 | 11 700  | 62,5 | 68,1 | 11 900  | 40,0 |
| 42,0 | 58,7 | 67,9 | 10 400  | 59,8 | 67,6 | 10 700  | 60,8 | 66,9 | 10 900  | 42,0 |
| 44,0 | 56,9 | 66,6 | 9 500   | 58,0 | 66,3 | 9 700   | 59,0 | 65,6 | 9 900   | 44,0 |
| 46,0 | 55,1 | 65,2 | 8 700   | 56,2 | 64,9 | 8 900   | 57,1 | 64,2 | 9 100   | 46,0 |
| 48,0 | 53,2 | 63,8 | 7 900   | 54,3 | 63,4 | 8 100   | 55,3 | 62,7 | 8 300   | 48,0 |
| 50,0 | 51,3 | 62,2 | 7 300   | 52,4 | 61,8 | 7 400   | 53,3 | 61,1 | 7 600   | 50,0 |
| 52,0 | 49,4 | 60,5 | 6 600   | 50,5 | 60,1 | 6 800   | 51,4 | 59,4 | 6 900   | 52,0 |
| 54,0 | 47,4 | 58,7 | 6 000   | 48,4 | 58,3 | 6 200   | 49,3 | 57,5 | 6 300   | 54,0 |
| 56,0 | 45,3 | 56,7 | 5 500   | 46,4 | 56,4 | 5 600   | 47,2 | 55,5 | 5 800   | 56,0 |
| 58,0 | 43,2 | 54,6 | 5 000   | 44,2 | 54,3 | 5 100   | 45,0 | 53,4 | 5 200   | 58,0 |
| 60,0 | 40,9 | 52,4 | 4 500   | 41,9 | 52,0 | 4 600   |      |      |         | 60,0 |
| 62,0 | 38,6 | 49,9 | 4 100   | 39,6 | 49,5 | 4 200   |      |      |         | 62,0 |
| 64,0 | 36,1 | 47,2 | 3 700   | 37,0 | 46,8 | 3 800   |      |      |         | 64,0 |
| 66,0 | 33,4 | 44,3 | 3 300   | 34,4 | 43,8 | 3 400   |      |      |         | 66,0 |
| 68,0 | 30,6 | 41,0 | 2 900   | 31,5 | 40,5 | 3 000   |      |      |         | 68,0 |
| 70,0 | 27,5 | 37,3 | 2 600   |      |      |         |      |      |         | 70,0 |
| 72,0 | 24,0 | 33,1 | 2 200*  |      |      |         |      |      |         | 72,0 |



# 14000 S-3

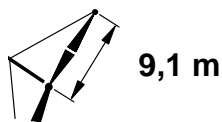
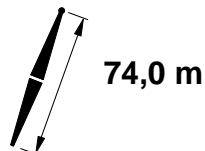
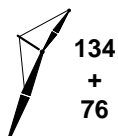
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,5 | 81,3 | 27 100* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,9 | 81,2 | 27 000* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,5 | 80,8 | 26 600* | 79,6 | 80,5 | 24 900* |      |      |         | 18,0 |
| 20,0 | 77,0 | 80,3 | 26 200* | 78,1 | 80,1 | 24 600* | 79,3 | 79,5 | 22 200* | 20,0 |
| 22,0 | 75,5 | 79,8 | 25 900* | 76,6 | 79,5 | 24 300* | 77,8 | 78,9 | 21 400* | 22,0 |
| 24,0 | 74,0 | 79,2 | 25 500* | 75,2 | 79,0 | 24 100* | 76,3 | 78,4 | 20 700* | 24,0 |
| 26,0 | 72,5 | 78,6 | 23 300  | 73,7 | 78,4 | 23 800* | 74,8 | 77,7 | 20 100* | 26,0 |
| 28,0 | 71,0 | 77,9 | 20 800  | 72,1 | 77,7 | 21 300  | 73,2 | 77,1 | 19 500* | 28,0 |
| 30,0 | 69,5 | 77,2 | 18 700  | 70,6 | 76,9 | 19 100  | 71,7 | 76,3 | 19 000* | 30,0 |
| 32,0 | 68,0 | 76,4 | 16 800  | 69,1 | 76,1 | 17 200  | 70,1 | 75,5 | 17 600  | 32,0 |
| 34,0 | 66,4 | 75,5 | 15 200  | 67,5 | 75,3 | 15 600  | 68,5 | 74,6 | 15 900  | 34,0 |
| 36,0 | 64,8 | 74,6 | 13 800  | 65,9 | 74,3 | 14 100  | 66,9 | 73,7 | 14 400  | 36,0 |
| 38,0 | 63,2 | 73,6 | 12 600  | 64,3 | 73,3 | 12 900  | 65,3 | 72,7 | 13 200  | 38,0 |
| 40,0 | 61,6 | 72,5 | 11 500  | 62,7 | 72,2 | 11 700  | 63,7 | 71,6 | 12 000  | 40,0 |
| 42,0 | 59,9 | 71,4 | 10 500  | 61,0 | 71,1 | 10 700  | 62,0 | 70,4 | 11 000  | 42,0 |
| 44,0 | 58,3 | 70,2 | 9 600   | 59,3 | 69,9 | 9 800   | 60,3 | 69,2 | 10 000  | 44,0 |
| 46,0 | 56,6 | 68,9 | 8 800   | 57,6 | 68,6 | 9 000   | 58,6 | 67,9 | 9 200   | 46,0 |
| 48,0 | 54,8 | 67,5 | 8 000   | 55,9 | 67,2 | 8 200   | 56,8 | 66,4 | 8 400   | 48,0 |
| 50,0 | 53,0 | 66,0 | 7 300   | 54,1 | 65,7 | 7 500   | 55,0 | 64,9 | 7 700   | 50,0 |
| 52,0 | 51,2 | 64,4 | 6 700   | 52,2 | 64,1 | 6 900   | 53,1 | 63,3 | 7 000   | 52,0 |
| 54,0 | 49,3 | 62,7 | 6 100   | 50,4 | 62,4 | 6 300   | 51,2 | 61,6 | 6 400   | 54,0 |
| 56,0 | 47,4 | 60,9 | 5 600   | 48,4 | 60,5 | 5 700   | 49,3 | 59,7 | 5 800   | 56,0 |
| 58,0 | 45,4 | 59,0 | 5 100   | 46,4 | 58,6 | 5 200   | 47,2 | 57,8 | 5 300   | 58,0 |
| 60,0 | 43,4 | 56,9 | 4 600   | 44,3 | 56,5 | 4 700   | 45,1 | 55,6 | 4 800   | 60,0 |
| 62,0 | 41,2 | 54,6 | 4 200   | 42,2 | 54,2 | 4 300   | 42,9 | 53,3 | 4 400   | 62,0 |
| 64,0 | 39,0 | 52,2 | 3 800   | 39,9 | 51,8 | 3 900   |      |      |         | 64,0 |
| 66,0 | 36,6 | 49,6 | 3 400   | 37,5 | 49,1 | 3 500   |      |      |         | 66,0 |
| 68,0 | 34,1 | 46,7 | 3 000   | 35,0 | 46,2 | 3 100   |      |      |         | 68,0 |
| 70,0 | 31,4 | 43,5 | 2 700   | 32,3 | 43,0 | 2 700   |      |      |         | 70,0 |
| 72,0 | 28,5 | 40,0 | 2 300*  |      |      |         |      |      |         | 72,0 |
| 74,0 | 25,3 | 35,9 | 1 900*  |      |      |         |      |      |         | 74,0 |

# 14000 S-3

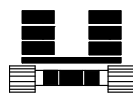
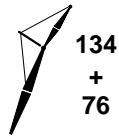
ASME B30.5



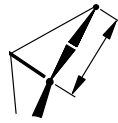
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 80,8 | 84,4 | 26 900* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,3 | 84,2 | 26 700* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,9 | 83,9 | 26 300* | 80,0 | 83,6 | 24 700* |      |      |         | 18,0 |
| 20,0 | 77,5 | 83,4 | 26 000* | 78,6 | 83,2 | 24 400* | 79,7 | 82,6 | 22 400* | 20,0 |
| 22,0 | 76,1 | 82,9 | 25 600* | 77,1 | 82,7 | 24 200* | 78,2 | 82,1 | 21 600* | 22,0 |
| 24,0 | 74,6 | 82,4 | 25 300* | 75,7 | 82,1 | 23 900* | 76,8 | 81,5 | 21 000* | 24,0 |
| 26,0 | 73,2 | 81,8 | 23 200  | 74,3 | 81,5 | 23 600* | 75,3 | 80,9 | 20 400* | 26,0 |
| 28,0 | 71,7 | 81,1 | 20 700  | 72,8 | 80,9 | 21 100  | 73,9 | 80,2 | 19 800* | 28,0 |
| 30,0 | 70,3 | 80,4 | 18 500  | 71,3 | 80,2 | 18 900  | 72,4 | 79,5 | 19 100  | 30,0 |
| 32,0 | 68,8 | 79,7 | 16 700  | 69,9 | 79,4 | 17 100  | 70,9 | 78,8 | 17 400  | 32,0 |
| 34,0 | 67,3 | 78,8 | 15 100  | 68,4 | 78,6 | 15 400  | 69,4 | 77,9 | 15 800  | 34,0 |
| 36,0 | 65,8 | 77,9 | 13 700  | 66,9 | 77,7 | 14 000  | 67,9 | 77,0 | 14 300  | 36,0 |
| 38,0 | 64,3 | 77,0 | 12 400  | 65,3 | 76,7 | 12 700  | 66,3 | 76,1 | 13 000  | 38,0 |
| 40,0 | 62,7 | 76,0 | 11 300  | 63,8 | 75,7 | 11 600  | 64,7 | 75,0 | 11 900  | 40,0 |
| 42,0 | 61,2 | 74,9 | 10 300  | 62,2 | 74,6 | 10 600  | 63,2 | 73,9 | 10 800  | 42,0 |
| 44,0 | 59,6 | 73,7 | 9 400   | 60,6 | 73,4 | 9 700   | 61,5 | 72,7 | 9 900   | 44,0 |
| 46,0 | 57,9 | 72,5 | 8 600   | 59,0 | 72,2 | 8 800   | 59,9 | 71,5 | 9 000   | 46,0 |
| 48,0 | 56,3 | 71,2 | 7 800   | 57,3 | 70,8 | 8 100   | 58,2 | 70,1 | 8 200   | 48,0 |
| 50,0 | 54,6 | 69,8 | 7 200   | 55,6 | 69,4 | 7 400   | 56,5 | 68,7 | 7 500   | 50,0 |
| 52,0 | 52,9 | 68,3 | 6 500   | 53,9 | 67,9 | 6 700   | 54,8 | 67,2 | 6 900   | 52,0 |
| 54,0 | 51,1 | 66,7 | 5 900   | 52,1 | 66,3 | 6 100   | 53,0 | 65,6 | 6 300   | 54,0 |
| 56,0 | 49,3 | 65,0 | 5 400   | 50,3 | 64,6 | 5 600   | 51,1 | 63,8 | 5 700   | 56,0 |
| 58,0 | 47,5 | 63,2 | 4 900   | 48,4 | 62,8 | 5 100   | 49,2 | 62,0 | 5 200   | 58,0 |
| 60,0 | 45,5 | 61,2 | 4 400   | 46,5 | 60,9 | 4 600   | 47,3 | 60,0 | 4 700   | 60,0 |
| 62,0 | 43,5 | 59,2 | 4 000   | 44,5 | 58,8 | 4 100   | 45,3 | 57,9 | 4 200   | 62,0 |
| 64,0 | 41,5 | 56,9 | 3 600   | 42,4 | 56,5 | 3 700   | 43,1 | 55,6 | 3 800   | 64,0 |
| 66,0 | 39,3 | 54,5 | 3 200   | 40,3 | 54,1 | 3 300   |      |      |         | 66,0 |
| 68,0 | 37,1 | 52,0 | 2 900   | 38,0 | 51,5 | 2 900   |      |      |         | 68,0 |
| 70,0 | 34,7 | 49,1 | 2 500*  | 35,6 | 48,7 | 2 600   |      |      |         | 70,0 |
| 72,0 | 32,2 | 46,0 | 2 100*  | 33,0 | 45,5 | 2 200*  |      |      |         | 72,0 |

# 14000 S-3

ASME B30.5



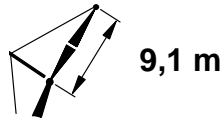
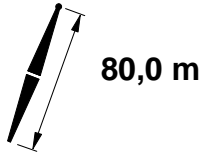
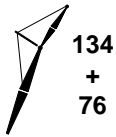
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,1 | 87,2 | 26 200* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,3 | 86,9 | 26 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,9 | 86,5 | 25 700* | 79,0 | 86,2 | 24 200* | 80,0 | 85,6 | 22 600* | 20,0 |
| 22,0 | 76,5 | 86,0 | 25 400* | 77,6 | 85,7 | 23 900* | 78,7 | 85,1 | 21 800* | 22,0 |
| 24,0 | 75,2 | 85,5 | 25 000* | 76,2 | 85,2 | 23 700* | 77,3 | 84,6 | 21 200* | 24,0 |
| 26,0 | 73,8 | 84,9 | 23 000  | 74,8 | 84,6 | 23 400* | 75,9 | 84,0 | 20 600* | 26,0 |
| 28,0 | 72,4 | 84,3 | 20 500  | 73,4 | 84,0 | 21 000  | 74,5 | 83,4 | 20 000* | 28,0 |
| 30,0 | 71,0 | 83,6 | 18 400  | 72,0 | 83,3 | 18 800  | 73,0 | 82,7 | 19 100  | 30,0 |
| 32,0 | 69,6 | 82,9 | 16 500  | 70,6 | 82,6 | 16 900  | 71,6 | 82,0 | 17 300  | 32,0 |
| 34,0 | 68,1 | 82,1 | 14 900  | 69,2 | 81,8 | 15 300  | 70,2 | 81,2 | 15 600  | 34,0 |
| 36,0 | 66,7 | 81,2 | 13 500  | 67,7 | 80,9 | 13 800  | 68,7 | 80,3 | 14 200  | 36,0 |
| 38,0 | 65,2 | 80,3 | 12 300  | 66,2 | 80,0 | 12 600  | 67,2 | 79,4 | 12 900  | 38,0 |
| 40,0 | 63,7 | 79,3 | 11 100  | 64,8 | 79,0 | 11 400  | 65,7 | 78,4 | 11 700  | 40,0 |
| 42,0 | 62,2 | 78,3 | 10 100  | 63,3 | 78,0 | 10 400  | 64,2 | 77,3 | 10 700  | 42,0 |
| 44,0 | 60,7 | 77,2 | 9 200   | 61,7 | 76,9 | 9 500   | 62,7 | 76,2 | 9 700   | 44,0 |
| 46,0 | 59,2 | 76,0 | 8 400   | 60,2 | 75,7 | 8 600   | 61,1 | 75,0 | 8 900   | 46,0 |
| 48,0 | 57,6 | 74,7 | 7 700   | 58,6 | 74,4 | 7 900   | 59,5 | 73,7 | 8 100   | 48,0 |
| 50,0 | 56,0 | 73,4 | 7 000   | 57,0 | 73,1 | 7 200   | 57,9 | 72,4 | 7 400   | 50,0 |
| 52,0 | 54,4 | 72,0 | 6 300   | 55,4 | 71,7 | 6 500   | 56,2 | 70,9 | 6 700   | 52,0 |
| 54,0 | 52,7 | 70,5 | 5 800   | 53,7 | 70,2 | 5 900   | 54,5 | 69,4 | 6 100   | 54,0 |
| 56,0 | 51,0 | 68,9 | 5 200   | 52,0 | 68,6 | 5 400   | 52,8 | 67,8 | 5 500   | 56,0 |
| 58,0 | 49,3 | 67,2 | 4 700   | 50,2 | 66,8 | 4 900   | 51,0 | 66,1 | 5 000   | 58,0 |
| 60,0 | 47,5 | 65,4 | 4 300   | 48,4 | 65,0 | 4 400   | 49,2 | 64,2 | 4 500   | 60,0 |
| 62,0 | 45,6 | 63,5 | 3 800   | 46,5 | 63,1 | 4 000   | 47,3 | 62,2 | 4 100   | 62,0 |
| 64,0 | 43,7 | 61,4 | 3 400   | 44,6 | 61,0 | 3 500   | 45,4 | 60,1 | 3 600   | 64,0 |
| 66,0 | 41,7 | 59,2 | 3 000   | 42,6 | 58,8 | 3 100   | 43,3 | 57,9 | 3 200   | 66,0 |
| 68,0 | 39,7 | 56,8 | 2 700*  | 40,6 | 56,4 | 2 800   |      |      |         | 68,0 |
| 70,0 | 37,5 | 54,3 | 2 300*  | 38,4 | 53,8 | 2 400*  |      |      |         | 70,0 |

# 14000 S-3

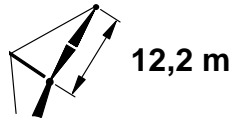
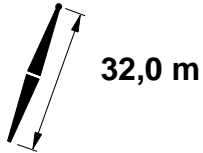
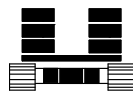
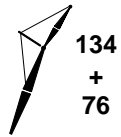
ASME B30.5



|      | 5°   |      |         | 15°  |      |         | 25°  |      |         |      |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | o    | m       | kg   | m    | o       | m    | kg   | m       |      |
| 16,8 | 80,4 | 90,2 | 25 900* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,6 | 90,0 | 25 700* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,3 | 89,6 | 25 400* | 79,4 | 89,3 | 23 900* | 80,4 | 88,7 | 22 600* | 20,0 |
| 22,0 | 77,0 | 89,1 | 24 800* | 78,0 | 88,8 | 23 700* | 79,1 | 88,2 | 22 100* | 22,0 |
| 24,0 | 75,7 | 88,6 | 23 800* | 76,7 | 88,3 | 23 500* | 77,7 | 87,7 | 21 400* | 24,0 |
| 26,0 | 74,4 | 88,1 | 22 800  | 75,4 | 87,8 | 23 200* | 76,4 | 87,2 | 20 800* | 26,0 |
| 28,0 | 73,0 | 87,5 | 20 300  | 74,0 | 87,2 | 20 800  | 75,0 | 86,6 | 20 200* | 28,0 |
| 30,0 | 71,7 | 86,8 | 18 200  | 72,7 | 86,5 | 18 600  | 73,6 | 85,9 | 19 100  | 30,0 |
| 32,0 | 70,3 | 86,1 | 16 300  | 71,3 | 85,8 | 16 700  | 72,3 | 85,2 | 17 100  | 32,0 |
| 34,0 | 68,9 | 85,3 | 14 700  | 69,9 | 85,0 | 15 100  | 70,9 | 84,4 | 15 500  | 34,0 |
| 36,0 | 67,5 | 84,5 | 13 300  | 68,5 | 84,2 | 13 700  | 69,5 | 83,6 | 14 000  | 36,0 |
| 38,0 | 66,1 | 83,6 | 12 100  | 67,1 | 83,3 | 12 400  | 68,0 | 82,7 | 12 700  | 38,0 |
| 40,0 | 64,7 | 82,7 | 10 900  | 65,7 | 82,4 | 11 200  | 66,6 | 81,8 | 11 500  | 40,0 |
| 42,0 | 63,3 | 81,7 | 9 900   | 64,2 | 81,4 | 10 200  | 65,2 | 80,7 | 10 500  | 42,0 |
| 44,0 | 61,8 | 80,6 | 9 000   | 62,8 | 80,3 | 9 300   | 63,7 | 79,7 | 9 500   | 44,0 |
| 46,0 | 60,3 | 79,5 | 8 200   | 61,3 | 79,2 | 8 400   | 62,2 | 78,5 | 8 700   | 46,0 |
| 48,0 | 58,8 | 78,3 | 7 400   | 59,8 | 78,0 | 7 700   | 60,7 | 77,3 | 7 900   | 48,0 |
| 50,0 | 57,3 | 77,0 | 6 800   | 58,3 | 76,7 | 7 000   | 59,1 | 76,0 | 7 200   | 50,0 |
| 52,0 | 55,8 | 75,7 | 6 100   | 56,7 | 75,4 | 6 300   | 57,6 | 74,7 | 6 500   | 52,0 |
| 54,0 | 54,2 | 74,3 | 5 500   | 55,1 | 73,9 | 5 700   | 56,0 | 73,2 | 5 900   | 54,0 |
| 56,0 | 52,6 | 72,8 | 5 000   | 53,5 | 72,4 | 5 200   | 54,3 | 71,7 | 5 300   | 56,0 |
| 58,0 | 50,9 | 71,2 | 4 500   | 51,8 | 70,8 | 4 700   | 52,6 | 70,0 | 4 800   | 58,0 |
| 60,0 | 49,2 | 69,4 | 4 000   | 50,2 | 69,1 | 4 200   | 50,9 | 68,3 | 4 300   | 60,0 |
| 62,0 | 47,5 | 67,6 | 3 600   | 48,4 | 67,3 | 3 700   | 49,2 | 66,5 | 3 900   | 62,0 |
| 64,0 | 45,7 | 65,7 | 3 200   | 46,6 | 65,3 | 3 300   | 47,3 | 64,5 | 3 400   | 64,0 |
| 66,0 | 43,9 | 63,7 | 2 800   | 44,8 | 63,3 | 2 900   | 45,5 | 62,4 | 3 000   | 66,0 |
| 68,0 | 42,0 | 61,5 | 2 400*  | 42,8 | 61,1 | 2 500*  | 43,5 | 60,2 | 2 600*  | 68,0 |
| 70,0 | 40,0 | 59,1 | 2 000*  | 40,9 | 58,7 | 2 100*  |      |      |         | 70,0 |

# 14000 S-3

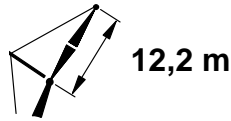
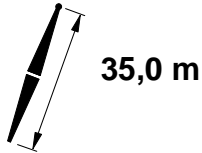
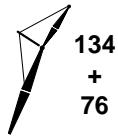
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 79,3 | 45,6 | 24 300* |      |      |         |      |      |         | 10,7 |
| 12,0 | 77,5 | 45,3 | 23 800* |      |      |         |      |      |         | 12,0 |
| 14,0 | 74,8 | 44,7 | 23 100* | 77,5 | 44,4 | 21 300* | 80,3 | 43,7 | 18 000* | 14,0 |
| 16,0 | 72,1 | 44,1 | 22 400* | 74,8 | 43,7 | 20 900* | 77,5 | 43,0 | 16 900* | 16,0 |
| 18,0 | 69,3 | 43,3 | 21 800* | 72,0 | 43,0 | 20 400* | 74,7 | 42,2 | 16 000* | 18,0 |
| 20,0 | 66,5 | 42,4 | 21 200* | 69,1 | 42,1 | 20 000* | 71,8 | 41,3 | 15 100* | 20,0 |
| 22,0 | 63,6 | 41,4 | 20 700* | 66,2 | 41,1 | 19 700* | 68,8 | 40,3 | 14 400* | 22,0 |
| 24,0 | 60,6 | 40,3 | 20 200* | 63,2 | 39,9 | 18 900* | 65,7 | 39,1 | 13 800* | 24,0 |
| 26,0 | 57,5 | 39,0 | 19 800* | 60,1 | 38,6 | 17 700* | 62,5 | 37,8 | 13 200* | 26,0 |
| 28,0 | 54,3 | 37,6 | 19 400* | 56,8 | 37,2 | 16 700* | 59,2 | 36,3 | 12 700* | 28,0 |
| 30,0 | 51,0 | 35,9 | 19 000* | 53,5 | 35,5 | 15 800* | 55,8 | 34,6 | 12 200* | 30,0 |
| 32,0 | 47,4 | 34,1 | 18 100* | 49,9 | 33,7 | 15 000* | 52,1 | 32,7 | 11 800* | 32,0 |
| 34,0 | 43,7 | 32,0 | 17 000* | 46,1 | 31,6 | 14 300* | 48,2 | 30,6 | 11 500* | 34,0 |
| 36,0 | 39,7 | 29,7 | 16 000  | 42,0 | 29,1 | 13 700* |      |      |         | 36,0 |
| 38,0 | 35,2 | 26,9 | 14 900  | 37,5 | 26,3 | 13 200* |      |      |         | 38,0 |
| 40,0 | 30,2 | 23,6 | 13 700  |      |      |         |      |      |         | 40,0 |
| 42,0 | 24,2 | 19,4 | 12 700  |      |      |         |      |      |         | 42,0 |

# 14000 S-3

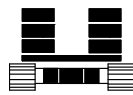
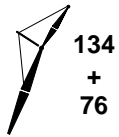
ASME B30.5



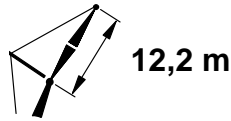
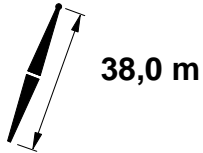
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,0 | 48,6 | 24 400* |      |      |         |      |      |         | 10,7 |
| 12,0 | 78,3 | 48,3 | 23 900* |      |      |         |      |      |         | 12,0 |
| 14,0 | 75,8 | 47,8 | 23 200* | 78,4 | 47,5 | 21 400* |      |      |         | 14,0 |
| 16,0 | 73,3 | 47,2 | 22 600* | 75,8 | 46,9 | 21 000* | 78,4 | 46,2 | 17 200* | 16,0 |
| 18,0 | 70,7 | 46,5 | 22 000* | 73,2 | 46,2 | 20 600* | 75,7 | 45,4 | 16 300* | 18,0 |
| 20,0 | 68,1 | 45,7 | 21 500* | 70,5 | 45,3 | 20 200* | 73,0 | 44,6 | 15 500* | 20,0 |
| 22,0 | 65,4 | 44,8 | 20 900* | 67,8 | 44,4 | 19 900* | 70,3 | 43,6 | 14 800* | 22,0 |
| 24,0 | 62,6 | 43,7 | 20 500* | 65,1 | 43,4 | 19 500* | 67,5 | 42,6 | 14 100* | 24,0 |
| 26,0 | 59,8 | 42,5 | 20 000* | 62,2 | 42,2 | 18 400* | 64,6 | 41,4 | 13 500* | 26,0 |
| 28,0 | 56,9 | 41,2 | 19 600* | 59,3 | 40,9 | 17 400* | 61,6 | 40,0 | 13 000* | 28,0 |
| 30,0 | 53,9 | 39,8 | 19 300* | 56,3 | 39,4 | 16 500* | 58,5 | 38,5 | 12 600* | 30,0 |
| 32,0 | 50,8 | 38,2 | 19 000  | 53,1 | 37,7 | 15 700* | 55,2 | 36,8 | 12 200* | 32,0 |
| 34,0 | 47,5 | 36,3 | 17 400  | 49,8 | 35,9 | 15 000* | 51,8 | 34,9 | 11 800* | 34,0 |
| 36,0 | 44,0 | 34,3 | 16 000  | 46,2 | 33,8 | 14 400* | 48,1 | 32,8 | 11 500* | 36,0 |
| 38,0 | 40,3 | 31,9 | 14 700  | 42,4 | 31,4 | 13 800* | 44,2 | 30,3 | 11 200* | 38,0 |
| 40,0 | 36,2 | 29,3 | 13 600  | 38,3 | 28,7 | 13 300* |      |      |         | 40,0 |
| 42,0 | 31,7 | 26,1 | 12 600  | 33,6 | 25,5 | 12 700  |      |      |         | 42,0 |
| 44,0 | 26,4 | 22,3 | 11 700  |      |      |         |      |      |         | 44,0 |

# 14000 S-3

ASME B30.5



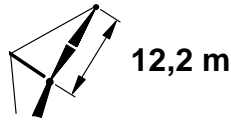
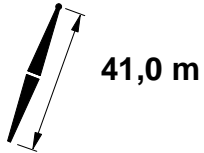
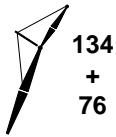
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,6 | 51,7 | 24 500* |      |      |         |      |      |         | 10,7 |
| 12,0 | 79,0 | 51,4 | 24 000* |      |      |         |      |      |         | 12,0 |
| 14,0 | 76,7 | 50,9 | 23 400* | 79,1 | 50,6 | 21 500* |      |      |         | 14,0 |
| 16,0 | 74,3 | 50,4 | 22 700* | 76,7 | 50,0 | 21 100* | 79,1 | 49,3 | 17 500* | 16,0 |
| 18,0 | 71,9 | 49,7 | 22 200* | 74,3 | 49,4 | 20 700* | 76,7 | 48,6 | 16 600* | 18,0 |
| 20,0 | 69,4 | 49,0 | 21 700* | 71,8 | 48,6 | 20 300* | 74,2 | 47,9 | 15 800* | 20,0 |
| 22,0 | 67,0 | 48,1 | 21 200* | 69,3 | 47,7 | 20 000* | 71,6 | 47,0 | 15 100* | 22,0 |
| 24,0 | 64,4 | 47,1 | 20 700* | 66,7 | 46,8 | 19 700* | 69,0 | 46,0 | 14 500* | 24,0 |
| 26,0 | 61,8 | 46,1 | 20 300* | 64,1 | 45,7 | 19 200* | 66,3 | 44,9 | 13 900* | 26,0 |
| 28,0 | 59,2 | 44,9 | 19 900* | 61,4 | 44,5 | 18 100* | 63,6 | 43,6 | 13 400* | 28,0 |
| 30,0 | 56,4 | 43,5 | 19 500* | 58,7 | 43,1 | 17 200* | 60,8 | 42,3 | 12 900* | 30,0 |
| 32,0 | 53,6 | 42,0 | 18 800  | 55,8 | 41,6 | 16 400* | 57,8 | 40,7 | 12 500* | 32,0 |
| 34,0 | 50,6 | 40,4 | 17 200  | 52,8 | 40,0 | 15 700* | 54,8 | 39,1 | 12 100* | 34,0 |
| 36,0 | 47,5 | 38,6 | 15 800  | 49,7 | 38,1 | 15 000* | 51,6 | 37,2 | 11 800* | 36,0 |
| 38,0 | 44,3 | 36,6 | 14 600  | 46,4 | 36,1 | 14 400* | 48,2 | 35,0 | 11 500* | 38,0 |
| 40,0 | 40,8 | 34,3 | 13 500  | 42,9 | 33,7 | 13 700  |      |      |         | 40,0 |
| 42,0 | 37,1 | 31,7 | 12 500  | 39,0 | 31,1 | 12 600  |      |      |         | 42,0 |
| 44,0 | 32,9 | 28,6 | 11 500  | 34,8 | 28,0 | 11 700  |      |      |         | 44,0 |
| 46,0 | 28,2 | 25,1 | 10 700  |      |      |         |      |      |         | 46,0 |

# 14000 S-3

ASME B30.5

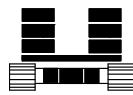
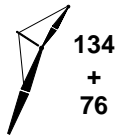


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 79,4 | 54,4 | 24 000* |      |      |         |      |      |         | 12,2 |
| 14,0 | 77,4 | 54,0 | 23 500* | 79,7 | 53,7 | 21 500* |      |      |         | 14,0 |
| 16,0 | 75,2 | 53,5 | 22 900* | 77,5 | 53,1 | 21 100* | 79,8 | 52,4 | 17 800* | 16,0 |
| 18,0 | 72,9 | 52,9 | 22 300* | 75,2 | 52,5 | 20 800* | 77,5 | 51,8 | 16 900* | 18,0 |
| 20,0 | 70,7 | 52,2 | 21 800* | 72,9 | 51,8 | 20 400* | 75,1 | 51,0 | 16 100* | 20,0 |
| 22,0 | 68,3 | 51,4 | 21 400* | 70,5 | 51,0 | 20 100* | 72,7 | 50,2 | 15 400* | 22,0 |
| 24,0 | 66,0 | 50,5 | 20 900* | 68,2 | 50,1 | 19 800* | 70,3 | 49,3 | 14 800* | 24,0 |
| 26,0 | 63,6 | 49,5 | 20 500* | 65,7 | 49,1 | 19 600* | 67,9 | 48,3 | 14 200* | 26,0 |
| 28,0 | 61,1 | 48,3 | 20 100* | 63,3 | 48,0 | 18 900* | 65,3 | 47,1 | 13 700* | 28,0 |
| 30,0 | 58,6 | 47,1 | 19 800* | 60,7 | 46,7 | 17 900* | 62,7 | 45,9 | 13 200* | 30,0 |
| 32,0 | 56,0 | 45,8 | 18 700  | 58,1 | 45,4 | 17 000* | 60,0 | 44,5 | 12 800* | 32,0 |
| 34,0 | 53,3 | 44,3 | 17 100  | 55,4 | 43,9 | 16 300* | 57,3 | 42,9 | 12 400* | 34,0 |
| 36,0 | 50,5 | 42,6 | 15 700  | 52,5 | 42,2 | 15 600* | 54,4 | 41,2 | 12 100* | 36,0 |
| 38,0 | 47,6 | 40,8 | 14 400  | 49,6 | 40,4 | 14 700  | 51,4 | 39,4 | 11 700* | 38,0 |
| 40,0 | 44,5 | 38,8 | 13 300  | 46,5 | 38,3 | 13 500  | 48,2 | 37,2 | 11 500* | 40,0 |
| 42,0 | 41,2 | 36,5 | 12 300  | 43,2 | 36,0 | 12 500  | 44,8 | 34,9 | 11 200* | 42,0 |
| 44,0 | 37,8 | 34,0 | 11 400  | 39,6 | 33,4 | 11 500  |      |      |         | 44,0 |
| 46,0 | 33,9 | 31,1 | 10 600  | 35,7 | 30,5 | 10 700  |      |      |         | 46,0 |
| 48,0 | 29,7 | 27,7 | 9 800   |      |      |         |      |      |         | 48,0 |
| 50,0 | 24,8 | 23,5 | 9 100   |      |      |         |      |      |         | 50,0 |

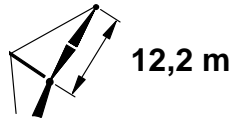
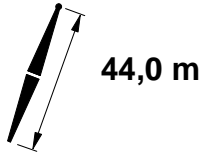


# 14000 S-3

ASME B30.5



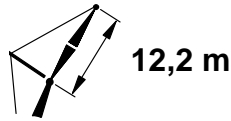
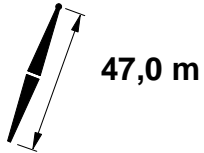
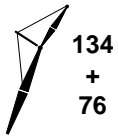
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,0 | 57,5 | 24 000* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,1 | 57,1 | 23 500* | 80,3 | 56,8 | 21 600* |      |      |         | 14,0 |
| 16,0 | 76,0 | 56,6 | 23 000* | 78,2 | 56,3 | 21 200* |      |      |         | 16,0 |
| 18,0 | 73,9 | 56,0 | 22 500* | 76,0 | 55,7 | 20 800* | 78,2 | 54,9 | 17 200* | 18,0 |
| 20,0 | 71,7 | 55,4 | 22 000* | 73,9 | 55,0 | 20 500* | 76,0 | 54,3 | 16 400* | 20,0 |
| 22,0 | 69,6 | 54,6 | 21 500* | 71,7 | 54,3 | 20 200* | 73,8 | 53,5 | 15 700* | 22,0 |
| 24,0 | 67,4 | 53,8 | 21 100* | 69,4 | 53,4 | 19 900* | 71,5 | 52,6 | 15 100* | 24,0 |
| 26,0 | 65,1 | 52,8 | 20 700* | 67,2 | 52,5 | 19 700* | 69,2 | 51,7 | 14 500* | 26,0 |
| 28,0 | 62,8 | 51,8 | 20 300* | 64,9 | 51,4 | 19 400* | 66,8 | 50,6 | 14 000* | 28,0 |
| 30,0 | 60,5 | 50,7 | 19 900  | 62,5 | 50,3 | 18 600* | 64,4 | 49,4 | 13 500* | 30,0 |
| 32,0 | 58,0 | 49,4 | 18 500  | 60,1 | 49,0 | 17 700* | 62,0 | 48,2 | 13 100* | 32,0 |
| 34,0 | 55,6 | 48,0 | 16 900  | 57,6 | 47,6 | 16 900* | 59,4 | 46,7 | 12 700* | 34,0 |
| 36,0 | 53,0 | 46,5 | 15 500  | 55,0 | 46,1 | 15 800  | 56,8 | 45,2 | 12 300* | 36,0 |
| 38,0 | 50,4 | 44,9 | 14 200  | 52,3 | 44,4 | 14 500  | 54,0 | 43,5 | 12 000* | 38,0 |
| 40,0 | 47,6 | 43,1 | 13 100  | 49,5 | 42,6 | 13 300  | 51,2 | 41,6 | 11 700* | 40,0 |
| 42,0 | 44,7 | 41,1 | 12 100  | 46,6 | 40,6 | 12 300  | 48,2 | 39,5 | 11 500* | 42,0 |
| 44,0 | 41,7 | 38,8 | 11 200  | 43,5 | 38,3 | 11 400  | 45,0 | 37,2 | 11 200* | 44,0 |
| 46,0 | 38,4 | 36,3 | 10 400  | 40,2 | 35,8 | 10 500  |      |      |         | 46,0 |
| 48,0 | 34,9 | 33,5 | 9 600   | 36,6 | 32,9 | 9 700   |      |      |         | 48,0 |
| 50,0 | 31,0 | 30,3 | 8 900   | 32,6 | 29,6 | 9 000   |      |      |         | 50,0 |
| 52,0 | 26,6 | 26,4 | 8 300   |      |      |         |      |      |         | 52,0 |

# 14000 S-3

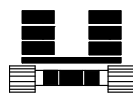
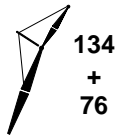
ASME B30.5



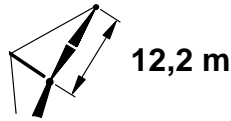
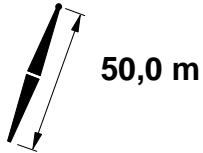
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 12,2 | 80,5 | 60,6 | 24 000* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,7 | 60,2 | 23 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 76,7 | 59,7 | 23 000* | 78,8 | 59,4 | 21 200* |      |      |         | 16,0 |
| 18,0 | 74,7 | 59,2 | 22 500* | 76,8 | 58,8 | 20 900* | 78,8 | 58,0 | 17 400* | 18,0 |
| 20,0 | 72,7 | 58,5 | 22 100* | 74,7 | 58,2 | 20 600* | 76,7 | 57,4 | 16 600* | 20,0 |
| 22,0 | 70,6 | 57,8 | 21 600* | 72,6 | 57,5 | 20 300* | 74,6 | 56,7 | 16 000* | 22,0 |
| 24,0 | 68,6 | 57,0 | 21 200* | 70,5 | 56,7 | 20 000* | 72,5 | 55,9 | 15 300* | 24,0 |
| 26,0 | 66,4 | 56,2 | 20 800* | 68,4 | 55,8 | 19 800* | 70,3 | 55,0 | 14 800* | 26,0 |
| 28,0 | 64,3 | 55,2 | 20 500* | 66,2 | 54,8 | 19 500* | 68,1 | 54,0 | 14 300* | 28,0 |
| 30,0 | 62,1 | 54,1 | 19 900  | 64,0 | 53,7 | 19 100* | 65,9 | 52,9 | 13 800* | 30,0 |
| 32,0 | 59,9 | 53,0 | 18 300  | 61,8 | 52,6 | 18 300* | 63,6 | 51,7 | 13 400* | 32,0 |
| 34,0 | 57,6 | 51,7 | 16 700  | 59,5 | 51,3 | 17 100  | 61,2 | 50,4 | 13 000* | 34,0 |
| 36,0 | 55,2 | 50,3 | 15 300  | 57,1 | 49,9 | 15 600  | 58,8 | 49,0 | 12 600* | 36,0 |
| 38,0 | 52,8 | 48,8 | 14 000  | 54,6 | 48,3 | 14 300  | 56,3 | 47,4 | 12 300* | 38,0 |
| 40,0 | 50,3 | 47,1 | 12 900  | 52,1 | 46,7 | 13 200  | 53,7 | 45,7 | 12 000* | 40,0 |
| 42,0 | 47,6 | 45,3 | 11 900  | 49,4 | 44,8 | 12 100  | 51,0 | 43,8 | 11 700* | 42,0 |
| 44,0 | 44,9 | 43,3 | 11 000  | 46,7 | 42,8 | 11 200  | 48,2 | 41,7 | 11 300  | 44,0 |
| 46,0 | 42,0 | 41,1 | 10 200  | 43,8 | 40,6 | 10 400  | 45,2 | 39,4 | 10 500  | 46,0 |
| 48,0 | 39,0 | 38,6 | 9 400   | 40,6 | 38,1 | 9 600   |      |      |         | 48,0 |
| 50,0 | 35,7 | 35,9 | 8 700   | 37,3 | 35,3 | 8 900   |      |      |         | 50,0 |
| 52,0 | 32,1 | 32,8 | 8 100   |      |      |         |      |      |         | 52,0 |
| 54,0 | 28,1 | 29,2 | 7 500   |      |      |         |      |      |         | 54,0 |
| 56,0 | 23,4 | 24,8 | 7 000   |      |      |         |      |      |         | 56,0 |

# 14000 S-3

ASME B30.5



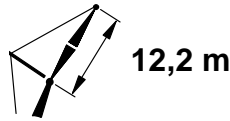
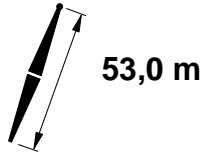
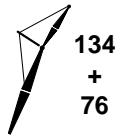
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 81,0 | 63,6 | 24 000* |      |      |         |      |      |         | 12,2 |
| 14,0 | 79,3 | 63,2 | 23 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,4 | 62,8 | 23 000* | 79,3 | 62,4 | 21 200* |      |      |         | 16,0 |
| 18,0 | 75,5 | 62,3 | 22 600* | 77,4 | 61,9 | 20 900* | 79,4 | 61,1 | 17 600* | 18,0 |
| 20,0 | 73,6 | 61,7 | 22 100* | 75,5 | 61,3 | 20 600* | 77,4 | 60,5 | 16 900* | 20,0 |
| 22,0 | 71,6 | 61,0 | 21 700* | 73,5 | 60,6 | 20 300* | 75,4 | 59,9 | 16 200* | 22,0 |
| 24,0 | 69,7 | 60,3 | 21 300* | 71,5 | 59,9 | 20 100* | 73,4 | 59,1 | 15 600* | 24,0 |
| 26,0 | 67,7 | 59,4 | 20 900* | 69,5 | 59,0 | 19 800* | 71,4 | 58,2 | 15 000* | 26,0 |
| 28,0 | 65,6 | 58,5 | 20 600* | 67,5 | 58,1 | 19 600* | 69,3 | 57,3 | 14 500* | 28,0 |
| 30,0 | 63,6 | 57,5 | 19 900  | 65,4 | 57,1 | 19 400* | 67,2 | 56,3 | 14 100* | 30,0 |
| 32,0 | 61,5 | 56,4 | 18 200  | 63,3 | 56,0 | 18 500  | 65,1 | 55,2 | 13 600* | 32,0 |
| 34,0 | 59,3 | 55,2 | 16 600  | 61,1 | 54,8 | 16 900  | 62,9 | 54,0 | 13 200* | 34,0 |
| 36,0 | 57,1 | 53,9 | 15 200  | 58,9 | 53,5 | 15 500  | 60,6 | 52,6 | 12 900* | 36,0 |
| 38,0 | 54,9 | 52,5 | 13 900  | 56,7 | 52,1 | 14 200  | 58,3 | 51,2 | 12 500* | 38,0 |
| 40,0 | 52,5 | 51,0 | 12 800  | 54,3 | 50,6 | 13 000  | 55,9 | 49,6 | 12 200* | 40,0 |
| 42,0 | 50,1 | 49,3 | 11 800  | 51,9 | 48,9 | 12 000  | 53,4 | 47,9 | 12 000* | 42,0 |
| 44,0 | 47,7 | 47,5 | 10 900  | 49,4 | 47,0 | 11 100  | 50,8 | 46,0 | 11 300  | 44,0 |
| 46,0 | 45,1 | 45,5 | 10 100  | 46,7 | 45,0 | 10 200  | 48,2 | 43,9 | 10 400  | 46,0 |
| 48,0 | 42,3 | 43,3 | 9 300   | 44,0 | 42,8 | 9 500   | 45,3 | 41,7 | 9 600   | 48,0 |
| 50,0 | 39,4 | 40,9 | 8 600   | 41,1 | 40,4 | 8 800   |      |      |         | 50,0 |
| 52,0 | 36,4 | 38,3 | 8 000   | 37,9 | 37,7 | 8 100   |      |      |         | 52,0 |
| 54,0 | 33,0 | 35,2 | 7 400   | 34,5 | 34,6 | 7 500   |      |      |         | 54,0 |
| 56,0 | 29,3 | 31,8 | 6 800   |      |      |         |      |      |         | 56,0 |
| 58,0 | 25,1 | 27,7 | 6 300   |      |      |         |      |      |         | 58,0 |

# 14000 S-3

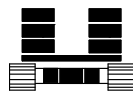
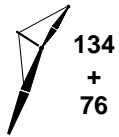
ASME B30.5



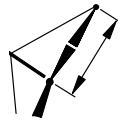
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 13,7 | 80,0 | 66,4 | 23 600* |      |      |         |      |      |         | 13,7 |
| 14,0 | 79,8 | 66,3 | 23 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,0 | 65,9 | 23 000* | 79,8 | 65,5 | 21 200* |      |      |         | 16,0 |
| 18,0 | 76,2 | 65,4 | 22 600* | 78,0 | 65,0 | 20 900* |      |      |         | 18,0 |
| 20,0 | 74,4 | 64,8 | 22 100* | 76,2 | 64,5 | 20 600* | 78,0 | 63,7 | 17 100* | 20,0 |
| 22,0 | 72,5 | 64,2 | 21 700* | 74,3 | 63,8 | 20 300* | 76,1 | 63,0 | 16 400* | 22,0 |
| 24,0 | 70,6 | 63,5 | 21 400* | 72,4 | 63,1 | 20 100* | 74,2 | 62,3 | 15 800* | 24,0 |
| 26,0 | 68,7 | 62,7 | 21 000* | 70,5 | 62,3 | 19 900* | 72,3 | 61,5 | 15 300* | 26,0 |
| 28,0 | 66,8 | 61,8 | 20 700* | 68,6 | 61,5 | 19 700* | 70,4 | 60,6 | 14 800* | 28,0 |
| 30,0 | 64,9 | 60,9 | 19 800  | 66,7 | 60,5 | 19 500* | 68,4 | 59,7 | 14 300* | 30,0 |
| 32,0 | 62,9 | 59,9 | 18 000  | 64,7 | 59,5 | 18 400  | 66,4 | 58,6 | 13 900* | 32,0 |
| 34,0 | 60,9 | 58,7 | 16 400  | 62,6 | 58,3 | 16 700  | 64,3 | 57,5 | 13 500* | 34,0 |
| 36,0 | 58,8 | 57,5 | 15 000  | 60,6 | 57,1 | 15 300  | 62,2 | 56,2 | 13 100* | 36,0 |
| 38,0 | 56,7 | 56,2 | 13 700  | 58,5 | 55,8 | 14 000  | 60,0 | 54,9 | 12 800* | 38,0 |
| 40,0 | 54,6 | 54,8 | 12 600  | 56,3 | 54,4 | 12 900  | 57,8 | 53,4 | 12 500* | 40,0 |
| 42,0 | 52,4 | 53,3 | 11 600  | 54,0 | 52,8 | 11 900  | 55,5 | 51,8 | 12 000  | 42,0 |
| 44,0 | 50,1 | 51,6 | 10 700  | 51,7 | 51,1 | 10 900  | 53,2 | 50,1 | 11 100  | 44,0 |
| 46,0 | 47,7 | 49,8 | 9 900   | 49,3 | 49,3 | 10 100  | 50,7 | 48,3 | 10 300  | 46,0 |
| 48,0 | 45,2 | 47,8 | 9 100   | 46,8 | 47,3 | 9 300   | 48,2 | 46,2 | 9 500   | 48,0 |
| 50,0 | 42,6 | 45,6 | 8 400   | 44,2 | 45,1 | 8 600   | 45,5 | 44,0 | 8 700   | 50,0 |
| 52,0 | 39,9 | 43,3 | 7 800   | 41,4 | 42,7 | 8 000   |      |      |         | 52,0 |
| 54,0 | 37,0 | 40,6 | 7 200   | 38,5 | 40,1 | 7 400   |      |      |         | 54,0 |
| 56,0 | 33,9 | 37,7 | 6 700   | 35,3 | 37,1 | 6 800   |      |      |         | 56,0 |
| 58,0 | 30,5 | 34,4 | 6 200   |      |      |         |      |      |         | 58,0 |
| 60,0 | 26,7 | 30,6 | 5 700   |      |      |         |      |      |         | 60,0 |
| 62,0 | 22,2 | 25,9 | 5 200   |      |      |         |      |      |         | 62,0 |

# 14000 S-3

ASME B30.5



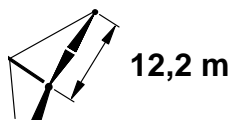
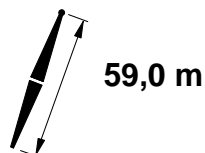
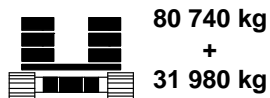
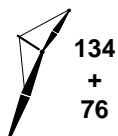
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,5 | 69,4 | 23 500* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,2 | 69,4 | 23 400* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,5 | 69,0 | 23 000* | 80,3 | 68,6 | 21 100* |      |      |         | 16,0 |
| 18,0 | 76,8 | 68,5 | 22 500* | 78,6 | 68,1 | 20 800* |      |      |         | 18,0 |
| 20,0 | 75,1 | 67,9 | 22 100* | 76,8 | 67,6 | 20 600* | 78,6 | 66,8 | 17 300* | 20,0 |
| 22,0 | 73,3 | 67,3 | 21 800* | 75,0 | 67,0 | 20 300* | 76,8 | 66,2 | 16 700* | 22,0 |
| 24,0 | 71,5 | 66,7 | 21 400* | 73,3 | 66,3 | 20 100* | 75,0 | 65,5 | 16 100* | 24,0 |
| 26,0 | 69,7 | 65,9 | 21 100* | 71,5 | 65,5 | 19 900* | 73,2 | 64,7 | 15 500* | 26,0 |
| 28,0 | 67,9 | 65,1 | 20 700* | 69,6 | 64,7 | 19 700* | 71,3 | 63,9 | 15 000* | 28,0 |
| 30,0 | 66,1 | 64,2 | 19 700  | 67,8 | 63,8 | 19 500* | 69,4 | 63,0 | 14 600* | 30,0 |
| 32,0 | 64,2 | 63,2 | 17 800  | 65,9 | 62,8 | 18 200  | 67,5 | 62,0 | 14 100* | 32,0 |
| 34,0 | 62,3 | 62,2 | 16 200  | 64,0 | 61,8 | 16 500  | 65,6 | 60,9 | 13 700* | 34,0 |
| 36,0 | 60,4 | 61,0 | 14 800  | 62,0 | 60,6 | 15 100  | 63,6 | 59,7 | 13 400* | 36,0 |
| 38,0 | 58,4 | 59,8 | 13 500  | 60,0 | 59,4 | 13 800  | 61,6 | 58,5 | 13 000* | 38,0 |
| 40,0 | 56,4 | 58,5 | 12 400  | 58,0 | 58,0 | 12 700  | 59,5 | 57,1 | 12 700* | 40,0 |
| 42,0 | 54,3 | 57,0 | 11 400  | 55,9 | 56,6 | 11 700  | 57,4 | 55,6 | 12 000  | 42,0 |
| 44,0 | 52,2 | 55,5 | 10 500  | 53,8 | 55,0 | 10 700  | 55,2 | 54,1 | 11 000  | 44,0 |
| 46,0 | 50,0 | 53,8 | 9 700   | 51,6 | 53,3 | 9 900   | 52,9 | 52,3 | 10 100  | 46,0 |
| 48,0 | 47,7 | 52,0 | 8 900   | 49,3 | 51,5 | 9 100   | 50,6 | 50,5 | 9 300   | 48,0 |
| 50,0 | 45,3 | 50,0 | 8 200   | 46,9 | 49,5 | 8 400   | 48,2 | 48,4 | 8 600   | 50,0 |
| 52,0 | 42,9 | 47,9 | 7 600   | 44,4 | 47,4 | 7 800   | 45,6 | 46,2 | 7 900   | 52,0 |
| 54,0 | 40,3 | 45,5 | 7 000   | 41,8 | 45,0 | 7 200   |      |      |         | 54,0 |
| 56,0 | 37,6 | 43,0 | 6 500   | 39,0 | 42,4 | 6 600   |      |      |         | 56,0 |
| 58,0 | 34,6 | 40,1 | 6 000   | 36,0 | 39,5 | 6 100   |      |      |         | 58,0 |
| 60,0 | 31,4 | 36,9 | 5 500   |      |      |         |      |      |         | 60,0 |
| 62,0 | 27,9 | 33,3 | 5 000   |      |      |         |      |      |         | 62,0 |
| 64,0 | 23,9 | 28,9 | 4 600   |      |      |         |      |      |         | 64,0 |

# 14000 S-3

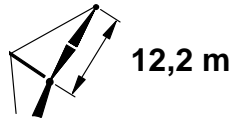
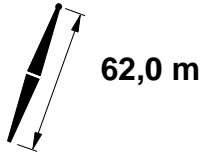
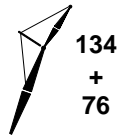
ASME B30.5



|      | 5°   |      |         | 15°  |      |         | 25°  |      |         |      |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | °    | m       | kg   | m    | °       | m    | kg   | m       |      |
| 13,7 | 80,9 | 72,5 | 23 400* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,7 | 72,4 | 23 300* |      |      |         |      |      |         | 14,0 |
| 16,0 | 79,0 | 72,0 | 22 900* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,4 | 71,6 | 22 500* | 79,1 | 71,2 | 20 800* |      |      |         | 18,0 |
| 20,0 | 75,7 | 71,1 | 22 100* | 77,4 | 70,7 | 20 500* | 79,1 | 69,9 | 17 500* | 20,0 |
| 22,0 | 74,0 | 70,5 | 21 700* | 75,7 | 70,1 | 20 300* | 77,4 | 69,3 | 16 900* | 22,0 |
| 24,0 | 72,3 | 69,9 | 21 400* | 74,0 | 69,5 | 20 100* | 75,7 | 68,7 | 16 300* | 24,0 |
| 26,0 | 70,6 | 69,1 | 21 100* | 72,3 | 68,8 | 19 900* | 73,9 | 68,0 | 15 700* | 26,0 |
| 28,0 | 68,9 | 68,4 | 20 700* | 70,5 | 68,0 | 19 700* | 72,2 | 67,2 | 15 200* | 28,0 |
| 30,0 | 67,2 | 67,5 | 19 600  | 68,8 | 67,1 | 19 500  | 70,4 | 66,3 | 14 800* | 30,0 |
| 32,0 | 65,4 | 66,6 | 17 600  | 67,0 | 66,2 | 18 000  | 68,6 | 65,4 | 14 400* | 32,0 |
| 34,0 | 63,6 | 65,6 | 16 000  | 65,2 | 65,2 | 16 400  | 66,7 | 64,3 | 14 000* | 34,0 |
| 36,0 | 61,8 | 64,5 | 14 600  | 63,4 | 64,1 | 14 900  | 64,9 | 63,2 | 13 600* | 36,0 |
| 38,0 | 59,9 | 63,4 | 13 300  | 61,5 | 62,9 | 13 700  | 63,0 | 62,1 | 13 300* | 38,0 |
| 40,0 | 58,0 | 62,1 | 12 200  | 59,6 | 61,7 | 12 500  | 61,0 | 60,8 | 12 900* | 40,0 |
| 42,0 | 56,0 | 60,8 | 11 200  | 57,6 | 60,3 | 11 500  | 59,0 | 59,4 | 11 800  | 42,0 |
| 44,0 | 54,1 | 59,3 | 10 300  | 55,6 | 58,9 | 10 600  | 57,0 | 57,9 | 10 800  | 44,0 |
| 46,0 | 52,0 | 57,7 | 9 500   | 53,5 | 57,3 | 9 700   | 54,9 | 56,3 | 9 900   | 46,0 |
| 48,0 | 49,9 | 56,1 | 8 700   | 51,4 | 55,6 | 9 000   | 52,7 | 54,6 | 9 100   | 48,0 |
| 50,0 | 47,7 | 54,2 | 8 100   | 49,2 | 53,8 | 8 300   | 50,5 | 52,7 | 8 400   | 50,0 |
| 52,0 | 45,5 | 52,3 | 7 400   | 47,0 | 51,8 | 7 600   | 48,2 | 50,7 | 7 800   | 52,0 |
| 54,0 | 43,1 | 50,2 | 6 800   | 44,6 | 49,6 | 7 000   | 45,7 | 48,5 | 7 100   | 54,0 |
| 56,0 | 40,7 | 47,9 | 6 300   | 42,1 | 47,3 | 6 400   |      |      |         | 56,0 |
| 58,0 | 38,1 | 45,3 | 5 800   | 39,5 | 44,7 | 5 900   |      |      |         | 58,0 |
| 60,0 | 35,3 | 42,5 | 5 300   | 36,7 | 41,9 | 5 400   |      |      |         | 60,0 |
| 62,0 | 32,3 | 39,4 | 4 900   | 33,6 | 38,8 | 5 000   |      |      |         | 62,0 |
| 64,0 | 29,1 | 35,9 | 4 500   |      |      |         |      |      |         | 64,0 |
| 66,0 | 25,5 | 31,9 | 4 100   |      |      |         |      |      |         | 66,0 |

# 14000 S-3

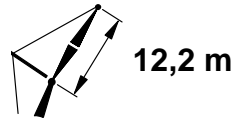
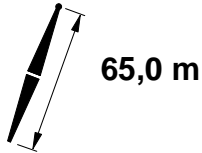
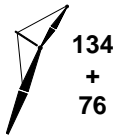
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,1 | 75,2 | 22 900* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,5 | 75,1 | 22 800* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,9 | 74,7 | 22 400* | 79,5 | 74,3 | 20 700* |      |      |         | 18,0 |
| 20,0 | 76,3 | 74,2 | 22 000* | 77,9 | 73,8 | 20 500* | 79,5 | 73,0 | 17 700* | 20,0 |
| 22,0 | 74,7 | 73,6 | 21 700* | 76,3 | 73,2 | 20 200* | 77,9 | 72,4 | 17 100* | 22,0 |
| 24,0 | 73,1 | 73,0 | 21 400* | 74,7 | 72,6 | 20 000* | 76,3 | 71,8 | 16 500* | 24,0 |
| 26,0 | 71,4 | 72,3 | 21 000* | 73,0 | 71,9 | 19 800* | 74,6 | 71,1 | 15 900* | 26,0 |
| 28,0 | 69,8 | 71,6 | 20 700* | 71,4 | 71,2 | 19 600* | 72,9 | 70,4 | 15 500* | 28,0 |
| 30,0 | 68,1 | 70,8 | 19 400  | 69,7 | 70,4 | 19 400  | 71,2 | 69,6 | 15 000* | 30,0 |
| 32,0 | 66,4 | 69,9 | 17 500  | 68,0 | 69,5 | 17 900  | 69,5 | 68,7 | 14 600* | 32,0 |
| 34,0 | 64,7 | 68,9 | 15 900  | 66,3 | 68,5 | 16 300  | 67,8 | 67,7 | 14 200* | 34,0 |
| 36,0 | 63,0 | 67,9 | 14 400  | 64,5 | 67,5 | 14 800  | 66,0 | 66,6 | 13 800* | 36,0 |
| 38,0 | 61,2 | 66,8 | 13 200  | 62,8 | 66,4 | 13 500  | 64,2 | 65,5 | 13 500* | 38,0 |
| 40,0 | 59,4 | 65,6 | 12 100  | 61,0 | 65,2 | 12 400  | 62,4 | 64,3 | 12 700  | 40,0 |
| 42,0 | 57,6 | 64,4 | 11 100  | 59,1 | 63,9 | 11 400  | 60,5 | 63,0 | 11 600  | 42,0 |
| 44,0 | 55,7 | 63,0 | 10 200  | 57,2 | 62,6 | 10 400  | 58,6 | 61,6 | 10 700  | 44,0 |
| 46,0 | 53,8 | 61,5 | 9 300   | 55,3 | 61,1 | 9 600   | 56,6 | 60,1 | 9 800   | 46,0 |
| 48,0 | 51,9 | 60,0 | 8 600   | 53,3 | 59,5 | 8 800   | 54,6 | 58,5 | 9 000   | 48,0 |
| 50,0 | 49,8 | 58,3 | 7 900   | 51,3 | 57,8 | 8 100   | 52,5 | 56,8 | 8 300   | 50,0 |
| 52,0 | 47,7 | 56,5 | 7 300   | 49,2 | 56,0 | 7 500   | 50,4 | 54,9 | 7 600   | 52,0 |
| 54,0 | 45,6 | 54,5 | 6 700   | 47,0 | 54,0 | 6 900   | 48,2 | 52,9 | 7 000   | 54,0 |
| 56,0 | 43,3 | 52,4 | 6 100   | 44,7 | 51,9 | 6 300   | 45,8 | 50,7 | 6 400   | 56,0 |
| 58,0 | 41,0 | 50,1 | 5 600   | 42,4 | 49,6 | 5 800   |      |      |         | 58,0 |
| 60,0 | 38,5 | 47,6 | 5 200   | 39,9 | 47,0 | 5 300   |      |      |         | 60,0 |
| 62,0 | 35,9 | 44,9 | 4 700   | 37,2 | 44,3 | 4 800   |      |      |         | 62,0 |
| 64,0 | 33,1 | 41,9 | 4 300   | 34,4 | 41,2 | 4 400   |      |      |         | 64,0 |
| 66,0 | 30,1 | 38,5 | 3 900   |      |      |         |      |      |         | 66,0 |
| 68,0 | 26,7 | 34,7 | 3 600   |      |      |         |      |      |         | 68,0 |
| 70,0 | 22,9 | 30,1 | 3 200   |      |      |         |      |      |         | 70,0 |

# 14000 S-3

ASME B30.5

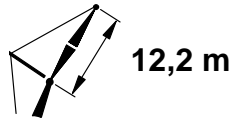
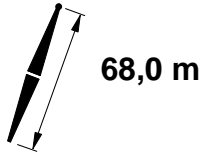
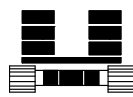
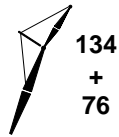


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 80,5 | 78,3 | 22 700* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,9 | 78,2 | 22 600* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,4 | 77,8 | 22 200* | 79,9 | 77,4 | 20 600* |      |      |         | 18,0 |
| 20,0 | 76,8 | 77,3 | 21 900* | 78,4 | 76,9 | 20 400* | 80,0 | 76,1 | 17 900* | 20,0 |
| 22,0 | 75,3 | 76,8 | 21 600* | 76,9 | 76,4 | 20 200* | 78,4 | 75,6 | 17 200* | 22,0 |
| 24,0 | 73,8 | 76,2 | 21 300* | 75,3 | 75,8 | 20 000* | 76,8 | 75,0 | 16 700* | 24,0 |
| 26,0 | 72,2 | 75,5 | 21 000* | 73,7 | 75,1 | 19 800* | 75,3 | 74,3 | 16 100* | 26,0 |
| 28,0 | 70,6 | 74,8 | 20 600* | 72,1 | 74,4 | 19 600* | 73,7 | 73,6 | 15 700* | 28,0 |
| 30,0 | 69,0 | 74,0 | 19 200  | 70,5 | 73,6 | 19 300  | 72,0 | 72,8 | 15 200* | 30,0 |
| 32,0 | 67,4 | 73,2 | 17 300  | 68,9 | 72,8 | 17 700  | 70,4 | 72,0 | 14 800* | 32,0 |
| 34,0 | 65,8 | 72,3 | 15 700  | 67,3 | 71,9 | 16 100  | 68,7 | 71,0 | 14 400* | 34,0 |
| 36,0 | 64,1 | 71,3 | 14 300  | 65,6 | 70,9 | 14 700  | 67,1 | 70,0 | 14 000* | 36,0 |
| 38,0 | 62,5 | 70,3 | 13 000  | 63,9 | 69,9 | 13 400  | 65,3 | 69,0 | 13 700  | 38,0 |
| 40,0 | 60,8 | 69,1 | 11 900  | 62,2 | 68,7 | 12 200  | 63,6 | 67,8 | 12 500  | 40,0 |
| 42,0 | 59,0 | 67,9 | 10 900  | 60,5 | 67,5 | 11 200  | 61,8 | 66,6 | 11 500  | 42,0 |
| 44,0 | 57,3 | 66,7 | 10 000  | 58,7 | 66,2 | 10 300  | 60,0 | 65,3 | 10 500  | 44,0 |
| 46,0 | 55,5 | 65,3 | 9 200   | 56,9 | 64,8 | 9 400   | 58,2 | 63,9 | 9 700   | 46,0 |
| 48,0 | 53,6 | 63,8 | 8 400   | 55,0 | 63,4 | 8 700   | 56,3 | 62,4 | 8 900   | 48,0 |
| 50,0 | 51,7 | 62,2 | 7 700   | 53,1 | 61,8 | 7 900   | 54,4 | 60,8 | 8 100   | 50,0 |
| 52,0 | 49,8 | 60,5 | 7 100   | 51,2 | 60,1 | 7 300   | 52,4 | 59,0 | 7 500   | 52,0 |
| 54,0 | 47,8 | 58,7 | 6 500   | 49,1 | 58,2 | 6 700   | 50,3 | 57,2 | 6 900   | 54,0 |
| 56,0 | 45,7 | 56,8 | 6 000   | 47,1 | 56,3 | 6 100   | 48,2 | 55,2 | 6 300   | 56,0 |
| 58,0 | 43,6 | 54,7 | 5 500   | 44,9 | 54,2 | 5 600   | 46,0 | 53,0 | 5 800   | 58,0 |
| 60,0 | 41,3 | 52,4 | 5 000   | 42,6 | 51,9 | 5 100   |      |      |         | 60,0 |
| 62,0 | 39,0 | 50,0 | 4 500   | 40,2 | 49,4 | 4 700   |      |      |         | 62,0 |
| 64,0 | 36,5 | 47,3 | 4 100   | 37,7 | 46,7 | 4 300   |      |      |         | 64,0 |
| 66,0 | 33,8 | 44,4 | 3 800   | 35,1 | 43,7 | 3 900   |      |      |         | 66,0 |
| 68,0 | 31,0 | 41,1 | 3 400   |      |      |         |      |      |         | 68,0 |
| 70,0 | 27,9 | 37,4 | 3 000   |      |      |         |      |      |         | 70,0 |
| 72,0 | 24,4 | 33,2 | 2 700   |      |      |         |      |      |         | 72,0 |



# 14000 S-3

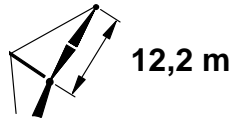
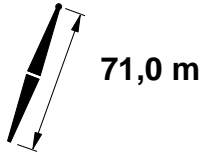
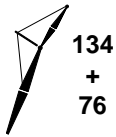
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,8 | 81,4 | 22 600* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,3 | 81,2 | 22 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,8 | 80,8 | 22 100* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,3 | 80,4 | 21 800* | 78,8 | 80,0 | 20 300* | 80,4 | 79,2 | 18 000* | 20,0 |
| 22,0 | 75,9 | 79,8 | 21 500* | 77,4 | 79,5 | 20 100* | 78,9 | 78,7 | 17 400* | 22,0 |
| 24,0 | 74,4 | 79,3 | 21 200* | 75,9 | 78,9 | 19 900* | 77,4 | 78,1 | 16 900* | 24,0 |
| 26,0 | 72,9 | 78,7 | 20 900* | 74,4 | 78,3 | 19 700* | 75,8 | 77,5 | 16 300* | 26,0 |
| 28,0 | 71,4 | 78,0 | 20 500* | 72,8 | 77,6 | 19 600* | 74,3 | 76,8 | 15 900* | 28,0 |
| 30,0 | 69,9 | 77,2 | 19 000  | 71,3 | 76,9 | 19 100  | 72,8 | 76,0 | 15 400* | 30,0 |
| 32,0 | 68,3 | 76,4 | 17 000  | 69,8 | 76,1 | 17 500  | 71,2 | 75,2 | 15 000* | 32,0 |
| 34,0 | 66,8 | 75,6 | 15 400  | 68,2 | 75,2 | 15 900  | 69,6 | 74,3 | 14 600* | 34,0 |
| 36,0 | 65,2 | 74,6 | 14 000  | 66,6 | 74,2 | 14 400  | 68,0 | 73,4 | 14 200* | 36,0 |
| 38,0 | 63,6 | 73,7 | 12 800  | 65,0 | 73,2 | 13 100  | 66,4 | 72,4 | 13 500  | 38,0 |
| 40,0 | 62,0 | 72,6 | 11 600  | 63,4 | 72,2 | 12 000  | 64,7 | 71,3 | 12 300  | 40,0 |
| 42,0 | 60,3 | 71,4 | 10 600  | 61,7 | 71,0 | 11 000  | 63,0 | 70,1 | 11 300  | 42,0 |
| 44,0 | 58,6 | 70,2 | 9 700   | 60,0 | 69,8 | 10 000  | 61,3 | 68,9 | 10 300  | 44,0 |
| 46,0 | 56,9 | 68,9 | 8 900   | 58,3 | 68,5 | 9 200   | 59,6 | 67,5 | 9 400   | 46,0 |
| 48,0 | 55,2 | 67,5 | 8 100   | 56,6 | 67,1 | 8 400   | 57,8 | 66,1 | 8 600   | 48,0 |
| 50,0 | 53,4 | 66,0 | 7 500   | 54,8 | 65,6 | 7 700   | 56,0 | 64,6 | 7 900   | 50,0 |
| 52,0 | 51,6 | 64,5 | 6 800   | 52,9 | 64,0 | 7 000   | 54,1 | 63,0 | 7 200   | 52,0 |
| 54,0 | 49,7 | 62,8 | 6 200   | 51,0 | 62,3 | 6 400   | 52,2 | 61,2 | 6 600   | 54,0 |
| 56,0 | 47,8 | 60,9 | 5 700   | 49,1 | 60,5 | 5 900   | 50,2 | 59,4 | 6 000   | 56,0 |
| 58,0 | 45,8 | 59,0 | 5 200   | 47,1 | 58,5 | 5 400   | 48,2 | 57,4 | 5 500   | 58,0 |
| 60,0 | 43,7 | 56,9 | 4 700   | 45,0 | 56,4 | 4 900   | 46,0 | 55,2 | 5 000   | 60,0 |
| 62,0 | 41,6 | 54,7 | 4 300   | 42,8 | 54,1 | 4 400   | 43,8 | 52,9 | 4 500   | 62,0 |
| 64,0 | 39,3 | 52,3 | 3 900   | 40,6 | 51,7 | 4 000   |      |      |         | 64,0 |
| 66,0 | 37,0 | 49,6 | 3 500   | 38,2 | 49,0 | 3 600   |      |      |         | 66,0 |
| 68,0 | 34,5 | 46,8 | 3 100   | 35,6 | 46,1 | 3 200   |      |      |         | 68,0 |
| 70,0 | 31,8 | 43,6 | 2 800   | 32,9 | 42,9 | 2 900   |      |      |         | 70,0 |
| 72,0 | 28,9 | 40,0 | 2 400   |      |      |         |      |      |         | 72,0 |
| 74,0 | 25,7 | 36,0 | 2 000*  |      |      |         |      |      |         | 74,0 |

# 14000 S-3

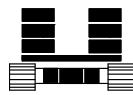
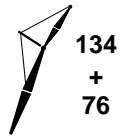
ASME B30.5



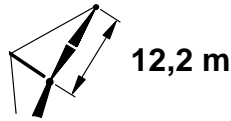
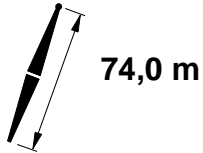
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,1 | 84,1 | 22 200* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,2 | 83,9 | 22 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,8 | 83,4 | 21 700* | 79,3 | 83,1 | 20 200* | 80,7 | 82,2 | 18 200* | 20,0 |
| 22,0 | 76,4 | 82,9 | 21 300* | 77,8 | 82,6 | 20 000* | 79,3 | 81,8 | 17 600* | 22,0 |
| 24,0 | 75,0 | 82,4 | 21 100* | 76,4 | 82,0 | 19 800* | 77,8 | 81,2 | 17 000* | 24,0 |
| 26,0 | 73,5 | 81,8 | 20 800* | 74,9 | 81,4 | 19 600* | 76,4 | 80,6 | 16 500* | 26,0 |
| 28,0 | 72,1 | 81,1 | 20 400* | 73,5 | 80,8 | 19 500* | 74,9 | 79,9 | 16 000* | 28,0 |
| 30,0 | 70,6 | 80,4 | 19 100  | 72,0 | 80,0 | 19 100  | 73,4 | 79,2 | 15 600* | 30,0 |
| 32,0 | 69,1 | 79,7 | 17 100  | 70,5 | 79,3 | 17 600  | 71,9 | 78,4 | 15 200* | 32,0 |
| 34,0 | 67,6 | 78,8 | 15 500  | 69,0 | 78,4 | 15 900  | 70,4 | 77,6 | 14 800* | 34,0 |
| 36,0 | 66,1 | 78,0 | 14 100  | 67,5 | 77,5 | 14 500  | 68,9 | 76,7 | 14 400* | 36,0 |
| 38,0 | 64,6 | 77,0 | 12 800  | 66,0 | 76,6 | 13 200  | 67,3 | 75,7 | 13 600  | 38,0 |
| 40,0 | 63,1 | 76,0 | 11 700  | 64,4 | 75,6 | 12 000  | 65,7 | 74,7 | 12 400  | 40,0 |
| 42,0 | 61,5 | 74,9 | 10 700  | 62,9 | 74,5 | 11 000  | 64,1 | 73,6 | 11 300  | 42,0 |
| 44,0 | 59,9 | 73,7 | 9 800   | 61,2 | 73,3 | 10 100  | 62,5 | 72,4 | 10 400  | 44,0 |
| 46,0 | 58,3 | 72,5 | 8 900   | 59,6 | 72,1 | 9 200   | 60,9 | 71,1 | 9 500   | 46,0 |
| 48,0 | 56,6 | 71,2 | 8 200   | 58,0 | 70,7 | 8 500   | 59,2 | 69,8 | 8 700   | 48,0 |
| 50,0 | 54,9 | 69,8 | 7 500   | 56,3 | 69,3 | 7 800   | 57,5 | 68,3 | 8 000   | 50,0 |
| 52,0 | 53,2 | 68,3 | 6 900   | 54,5 | 67,8 | 7 100   | 55,7 | 66,8 | 7 300   | 52,0 |
| 54,0 | 51,5 | 66,7 | 6 300   | 52,8 | 66,2 | 6 500   | 53,9 | 65,2 | 6 700   | 54,0 |
| 56,0 | 49,6 | 65,0 | 5 700   | 50,9 | 64,5 | 5 900   | 52,0 | 63,4 | 6 100   | 56,0 |
| 58,0 | 47,8 | 63,2 | 5 200   | 49,1 | 62,7 | 5 400   | 50,1 | 61,6 | 5 600   | 58,0 |
| 60,0 | 45,9 | 61,2 | 4 800   | 47,1 | 60,7 | 4 900   | 48,2 | 59,6 | 5 100   | 60,0 |
| 62,0 | 43,9 | 59,2 | 4 300   | 45,1 | 58,6 | 4 500   | 46,1 | 57,5 | 4 600   | 62,0 |
| 64,0 | 41,8 | 56,9 | 3 900   | 43,0 | 56,4 | 4 100   | 44,0 | 55,2 | 4 200   | 64,0 |
| 66,0 | 39,7 | 54,5 | 3 500   | 40,9 | 54,0 | 3 700   |      |      |         | 66,0 |
| 68,0 | 37,4 | 52,0 | 3 200   | 38,6 | 51,3 | 3 300   |      |      |         | 68,0 |
| 70,0 | 35,0 | 49,1 | 2 800   | 36,2 | 48,5 | 2 900   |      |      |         | 70,0 |
| 72,0 | 32,5 | 46,1 | 2 500   | 33,6 | 45,4 | 2 600   |      |      |         | 72,0 |
| 74,0 | 29,8 | 42,6 | 2 100*  |      |      |         |      |      |         | 74,0 |

# 14000 S-3

ASME B30.5



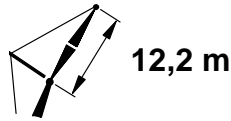
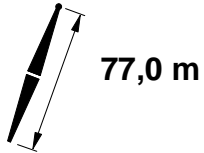
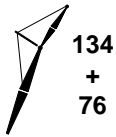
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,4 | 87,2 | 22 000* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,6 | 86,9 | 21 800* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,2 | 86,5 | 21 500* | 79,6 | 86,1 | 20 000* |      |      |         | 20,0 |
| 22,0 | 76,9 | 86,0 | 21 200* | 78,3 | 85,7 | 19 800* | 79,7 | 84,9 | 17 700* | 22,0 |
| 24,0 | 75,5 | 85,5 | 20 900* | 76,9 | 85,1 | 19 700* | 78,3 | 84,3 | 17 200* | 24,0 |
| 26,0 | 74,1 | 85,0 | 20 600* | 75,5 | 84,6 | 19 500* | 76,9 | 83,7 | 16 700* | 26,0 |
| 28,0 | 72,7 | 84,3 | 20 300* | 74,1 | 83,9 | 19 300* | 75,5 | 83,1 | 16 200* | 28,0 |
| 30,0 | 71,3 | 83,6 | 18 900  | 72,7 | 83,3 | 19 000  | 74,0 | 82,4 | 15 800* | 30,0 |
| 32,0 | 69,9 | 82,9 | 16 900  | 71,3 | 82,5 | 17 400  | 72,6 | 81,7 | 15 400* | 32,0 |
| 34,0 | 68,5 | 82,1 | 15 300  | 69,8 | 81,7 | 15 800  | 71,1 | 80,9 | 15 000* | 34,0 |
| 36,0 | 67,0 | 81,3 | 13 900  | 68,4 | 80,9 | 14 300  | 69,7 | 80,0 | 14 500  | 36,0 |
| 38,0 | 65,6 | 80,3 | 12 700  | 66,9 | 79,9 | 13 000  | 68,2 | 79,1 | 13 400  | 38,0 |
| 40,0 | 64,1 | 79,4 | 11 500  | 65,4 | 79,0 | 11 900  | 66,7 | 78,1 | 12 200  | 40,0 |
| 42,0 | 62,6 | 78,3 | 10 500  | 63,9 | 77,9 | 10 900  | 65,2 | 77,0 | 11 200  | 42,0 |
| 44,0 | 61,1 | 77,2 | 9 600   | 62,4 | 76,8 | 9 900   | 63,6 | 75,9 | 10 200  | 44,0 |
| 46,0 | 59,5 | 76,0 | 8 800   | 60,8 | 75,6 | 9 100   | 62,0 | 74,7 | 9 400   | 46,0 |
| 48,0 | 57,9 | 74,8 | 8 000   | 59,2 | 74,3 | 8 300   | 60,4 | 73,4 | 8 600   | 48,0 |
| 50,0 | 56,3 | 73,5 | 7 300   | 57,6 | 73,0 | 7 600   | 58,8 | 72,1 | 7 800   | 50,0 |
| 52,0 | 54,7 | 72,0 | 6 700   | 56,0 | 71,6 | 7 000   | 57,1 | 70,6 | 7 200   | 52,0 |
| 54,0 | 53,1 | 70,5 | 6 100   | 54,3 | 70,1 | 6 400   | 55,4 | 69,1 | 6 600   | 54,0 |
| 56,0 | 51,4 | 68,9 | 5 600   | 52,6 | 68,5 | 5 800   | 53,7 | 67,4 | 6 000   | 56,0 |
| 58,0 | 49,6 | 67,2 | 5 100   | 50,8 | 66,7 | 5 300   | 51,9 | 65,7 | 5 400   | 58,0 |
| 60,0 | 47,8 | 65,4 | 4 600   | 49,0 | 64,9 | 4 800   | 50,1 | 63,8 | 4 900   | 60,0 |
| 62,0 | 46,0 | 63,5 | 4 200   | 47,2 | 63,0 | 4 300   | 48,2 | 61,9 | 4 500   | 62,0 |
| 64,0 | 44,1 | 61,4 | 3 800   | 45,2 | 60,9 | 3 900   | 46,2 | 59,7 | 4 000   | 64,0 |
| 66,0 | 42,1 | 59,2 | 3 400   | 43,3 | 58,7 | 3 500   | 44,2 | 57,5 | 3 600   | 66,0 |
| 68,0 | 40,0 | 56,9 | 3 000   | 41,2 | 56,3 | 3 100   |      |      |         | 68,0 |
| 70,0 | 37,9 | 54,3 | 2 700   | 39,0 | 53,7 | 2 800   |      |      |         | 70,0 |
| 72,0 | 35,6 | 51,6 | 2 300*  | 36,7 | 50,9 | 2 400   |      |      |         | 72,0 |
| 74,0 | 33,2 | 48,5 | 1 900*  | 34,3 | 47,9 | 2 000*  |      |      |         | 74,0 |

# 14000 S-3

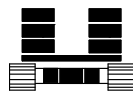
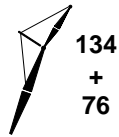
ASME B30.5



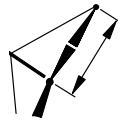
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,8 | 90,2 | 21 700* |      |      |         |      |      |         | 16,8 |
| 18,0 | 80,0 | 90,0 | 21 500* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,6 | 89,6 | 21 200* | 80,0 | 89,2 | 19 900* |      |      |         | 20,0 |
| 22,0 | 77,3 | 89,1 | 21 000* | 78,7 | 88,7 | 19 700* | 80,0 | 87,9 | 17 900* | 22,0 |
| 24,0 | 76,0 | 88,6 | 20 700* | 77,3 | 88,2 | 19 500* | 78,7 | 87,4 | 17 300* | 24,0 |
| 26,0 | 74,7 | 88,1 | 20 400* | 76,0 | 87,7 | 19 300* | 77,3 | 86,9 | 16 800* | 26,0 |
| 28,0 | 73,3 | 87,5 | 20 100* | 74,7 | 87,1 | 19 200* | 76,0 | 86,2 | 16 400* | 28,0 |
| 30,0 | 72,0 | 86,8 | 18 700  | 73,3 | 86,4 | 18 900  | 74,6 | 85,6 | 15 900* | 30,0 |
| 32,0 | 70,6 | 86,1 | 16 800  | 71,9 | 85,7 | 17 300  | 73,2 | 84,9 | 15 500* | 32,0 |
| 34,0 | 69,2 | 85,3 | 15 100  | 70,5 | 84,9 | 15 600  | 71,8 | 84,1 | 15 200* | 34,0 |
| 36,0 | 67,8 | 84,5 | 13 700  | 69,1 | 84,1 | 14 200  | 70,4 | 83,3 | 14 500  | 36,0 |
| 38,0 | 66,4 | 83,6 | 12 500  | 67,7 | 83,2 | 12 900  | 69,0 | 82,4 | 13 300  | 38,0 |
| 40,0 | 65,0 | 82,7 | 11 400  | 66,3 | 82,3 | 11 700  | 67,5 | 81,4 | 12 100  | 40,0 |
| 42,0 | 63,6 | 81,7 | 10 300  | 64,9 | 81,3 | 10 700  | 66,1 | 80,4 | 11 000  | 42,0 |
| 44,0 | 62,1 | 80,6 | 9 400   | 63,4 | 80,2 | 9 800   | 64,6 | 79,3 | 10 100  | 44,0 |
| 46,0 | 60,7 | 79,5 | 8 600   | 61,9 | 79,1 | 8 900   | 63,1 | 78,2 | 9 200   | 46,0 |
| 48,0 | 59,2 | 78,3 | 7 900   | 60,4 | 77,9 | 8 100   | 61,6 | 77,0 | 8 400   | 48,0 |
| 50,0 | 57,6 | 77,0 | 7 200   | 58,9 | 76,6 | 7 400   | 60,0 | 75,7 | 7 700   | 50,0 |
| 52,0 | 56,1 | 75,7 | 6 500   | 57,3 | 75,3 | 6 800   | 58,4 | 74,3 | 7 000   | 52,0 |
| 54,0 | 54,5 | 74,3 | 5 900   | 55,7 | 73,8 | 6 200   | 56,8 | 72,8 | 6 400   | 54,0 |
| 56,0 | 52,9 | 72,8 | 5 400   | 54,1 | 72,3 | 5 600   | 55,2 | 71,3 | 5 800   | 56,0 |
| 58,0 | 51,2 | 71,2 | 4 900   | 52,4 | 70,7 | 5 100   | 53,5 | 69,6 | 5 300   | 58,0 |
| 60,0 | 49,6 | 69,5 | 4 400   | 50,7 | 69,0 | 4 600   | 51,8 | 67,9 | 4 800   | 60,0 |
| 62,0 | 47,8 | 67,6 | 4 000   | 49,0 | 67,1 | 4 200   | 50,0 | 66,1 | 4 300   | 62,0 |
| 64,0 | 46,0 | 65,7 | 3 600   | 47,2 | 65,2 | 3 700   | 48,2 | 64,1 | 3 900   | 64,0 |
| 66,0 | 44,2 | 63,7 | 3 200   | 45,3 | 63,1 | 3 400   | 46,3 | 62,0 | 3 500   | 66,0 |
| 68,0 | 42,3 | 61,5 | 2 800   | 43,4 | 60,9 | 3 000   | 44,3 | 59,7 | 3 100   | 68,0 |
| 70,0 | 40,3 | 59,1 | 2 500*  | 41,4 | 58,6 | 2 600   |      |      |         | 70,0 |
| 72,0 | 38,2 | 56,6 | 2 100*  | 39,3 | 56,0 | 2 200*  |      |      |         | 72,0 |

# 14000 S-3

ASME B30.5



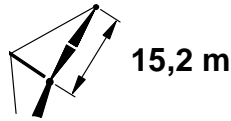
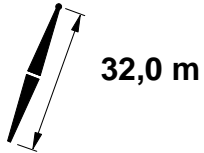
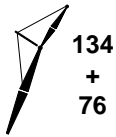
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 18,3 | 80,1 | 93,0 | 21 200* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,0 | 92,7 | 21 000* | 80,3 | 92,3 | 19 700* |      |      |         | 20,0 |
| 22,0 | 77,7 | 92,2 | 20 700* | 79,1 | 91,8 | 19 500* | 80,4 | 91,0 | 18 000* | 22,0 |
| 24,0 | 76,5 | 91,7 | 20 500* | 77,8 | 91,4 | 19 300* | 79,1 | 90,5 | 17 500* | 24,0 |
| 26,0 | 75,2 | 91,2 | 20 200* | 76,5 | 90,8 | 19 200* | 77,8 | 90,0 | 17 000* | 26,0 |
| 28,0 | 73,9 | 90,6 | 19 900* | 75,2 | 90,2 | 19 000* | 76,5 | 89,4 | 16 500* | 28,0 |
| 30,0 | 72,6 | 90,0 | 18 500  | 73,9 | 89,6 | 18 700  | 75,1 | 88,8 | 16 100* | 30,0 |
| 32,0 | 71,3 | 89,3 | 16 600  | 72,5 | 88,9 | 17 100  | 73,8 | 88,1 | 15 700* | 32,0 |
| 34,0 | 69,9 | 88,6 | 14 900  | 71,2 | 88,2 | 15 400  | 72,5 | 87,3 | 15 300* | 34,0 |
| 36,0 | 68,6 | 87,8 | 13 500  | 69,9 | 87,4 | 14 000  | 71,1 | 86,5 | 14 500  | 36,0 |
| 38,0 | 67,3 | 86,9 | 12 300  | 68,5 | 86,5 | 12 700  | 69,7 | 85,7 | 13 100  | 38,0 |
| 40,0 | 65,9 | 86,0 | 11 100  | 67,1 | 85,6 | 11 500  | 68,3 | 84,8 | 11 900  | 40,0 |
| 42,0 | 64,5 | 85,1 | 10 100  | 65,8 | 84,7 | 10 500  | 66,9 | 83,8 | 10 900  | 42,0 |
| 44,0 | 63,1 | 84,1 | 9 200   | 64,4 | 83,6 | 9 600   | 65,5 | 82,7 | 9 900   | 44,0 |
| 46,0 | 61,7 | 83,0 | 8 400   | 62,9 | 82,6 | 8 700   | 64,1 | 81,7 | 9 000   | 46,0 |
| 48,0 | 60,3 | 81,8 | 7 600   | 61,5 | 81,4 | 7 900   | 62,6 | 80,5 | 8 200   | 48,0 |
| 50,0 | 58,8 | 80,6 | 6 900   | 60,0 | 80,2 | 7 200   | 61,2 | 79,3 | 7 500   | 50,0 |
| 52,0 | 57,3 | 79,3 | 6 300   | 58,5 | 78,9 | 6 600   | 59,6 | 77,9 | 6 800   | 52,0 |
| 54,0 | 55,8 | 78,0 | 5 700   | 57,0 | 77,5 | 6 000   | 58,1 | 76,6 | 6 200   | 54,0 |
| 56,0 | 54,3 | 76,5 | 5 200   | 55,5 | 76,1 | 5 400   | 56,6 | 75,1 | 5 600   | 56,0 |
| 58,0 | 52,7 | 75,0 | 4 700   | 53,9 | 74,6 | 4 900   | 55,0 | 73,5 | 5 100   | 58,0 |
| 60,0 | 51,2 | 73,4 | 4 200   | 52,3 | 72,9 | 4 400   | 53,3 | 71,9 | 4 600   | 60,0 |
| 62,0 | 49,5 | 71,7 | 3 800   | 50,7 | 71,2 | 4 000   | 51,7 | 70,2 | 4 100   | 62,0 |
| 64,0 | 47,8 | 69,9 | 3 400   | 49,0 | 69,4 | 3 500   | 49,9 | 68,3 | 3 700   | 64,0 |
| 66,0 | 46,1 | 68,0 | 3 000   | 47,2 | 67,5 | 3 100   | 48,2 | 66,3 | 3 300   | 66,0 |
| 68,0 | 44,3 | 65,9 | 2 600*  | 45,5 | 65,4 | 2 800   | 46,4 | 64,2 | 2 900   | 68,0 |
| 70,0 | 42,5 | 63,8 | 2 200*  | 43,6 | 63,2 | 2 400*  | 44,5 | 62,0 | 2 500*  | 70,0 |

# 14000 S-3

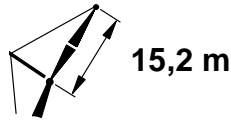
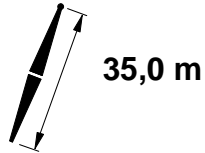
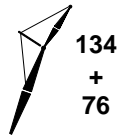
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,3 | 48,7 | 20 500* |      |      |         |      |      |         | 10,7 |
| 12,0 | 78,6 | 48,4 | 20 100* |      |      |         |      |      |         | 12,0 |
| 14,0 | 76,1 | 47,9 | 19 400* | 79,3 | 47,5 | 18 000* |      |      |         | 14,0 |
| 16,0 | 73,6 | 47,3 | 18 800* | 76,8 | 46,9 | 17 500* |      |      |         | 16,0 |
| 18,0 | 71,0 | 46,6 | 18 300* | 74,2 | 46,2 | 17 000* | 77,4 | 45,3 | 13 800* | 18,0 |
| 20,0 | 68,4 | 45,7 | 17 800* | 71,5 | 45,4 | 16 500* | 74,7 | 44,5 | 13 000* | 20,0 |
| 22,0 | 65,7 | 44,8 | 17 200* | 68,8 | 44,4 | 16 100* | 72,0 | 43,6 | 12 300* | 22,0 |
| 24,0 | 63,0 | 43,8 | 16 700* | 66,1 | 43,4 | 15 500* | 69,2 | 42,5 | 11 700* | 24,0 |
| 26,0 | 60,2 | 42,6 | 16 200* | 63,2 | 42,2 | 14 600* | 66,3 | 41,3 | 11 100* | 26,0 |
| 28,0 | 57,3 | 41,3 | 15 800* | 60,3 | 40,9 | 13 800* | 63,2 | 39,9 | 10 600* | 28,0 |
| 30,0 | 54,3 | 39,9 | 15 400* | 57,3 | 39,4 | 13 000* | 60,1 | 38,4 | 10 200* | 30,0 |
| 32,0 | 51,1 | 38,2 | 15 000* | 54,1 | 37,8 | 12 400* | 56,9 | 36,7 | 9 800*  | 32,0 |
| 34,0 | 47,9 | 36,4 | 14 300* | 50,8 | 35,9 | 11 800* | 53,4 | 34,8 | 9 400*  | 34,0 |
| 36,0 | 44,4 | 34,4 | 13 500* | 47,2 | 33,8 | 11 200* | 49,8 | 32,7 | 9 100*  | 36,0 |
| 38,0 | 40,7 | 32,0 | 12 700* | 43,5 | 31,5 | 10 800* | 45,8 | 30,2 | 8 800*  | 38,0 |
| 40,0 | 36,6 | 29,4 | 12 100* | 39,3 | 28,7 | 10 400* |      |      |         | 40,0 |
| 42,0 | 32,1 | 26,2 | 11 500* | 34,7 | 25,5 | 10 000* |      |      |         | 42,0 |
| 44,0 | 26,9 | 22,4 | 11 000* |      |      |         |      |      |         | 44,0 |

# 14000 S-3

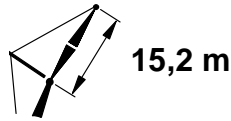
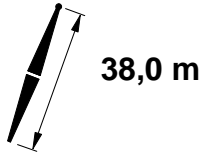
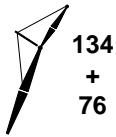
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,9 | 51,7 | 20 600* |      |      |         |      |      |         | 10,7 |
| 12,0 | 79,3 | 51,5 | 20 200* |      |      |         |      |      |         | 12,0 |
| 14,0 | 77,0 | 51,0 | 19 600* | 80,0 | 50,6 | 18 000* |      |      |         | 14,0 |
| 16,0 | 74,6 | 50,4 | 19 000* | 77,6 | 50,0 | 17 600* |      |      |         | 16,0 |
| 18,0 | 72,2 | 49,7 | 18 500* | 75,2 | 49,4 | 17 100* | 78,2 | 48,5 | 14 100* | 18,0 |
| 20,0 | 69,8 | 49,0 | 18 000* | 72,7 | 48,6 | 16 700* | 75,7 | 47,7 | 13 300* | 20,0 |
| 22,0 | 67,3 | 48,1 | 17 500* | 70,2 | 47,7 | 16 300* | 73,2 | 46,8 | 12 600* | 22,0 |
| 24,0 | 64,7 | 47,2 | 17 000* | 67,7 | 46,8 | 15 900* | 70,6 | 45,9 | 12 000* | 24,0 |
| 26,0 | 62,1 | 46,1 | 16 500* | 65,0 | 45,7 | 15 200* | 67,9 | 44,7 | 11 400* | 26,0 |
| 28,0 | 59,5 | 44,9 | 16 100* | 62,4 | 44,5 | 14 300* | 65,1 | 43,5 | 10 900* | 28,0 |
| 30,0 | 56,7 | 43,6 | 15 700* | 59,6 | 43,1 | 13 600* | 62,3 | 42,1 | 10 500* | 30,0 |
| 32,0 | 53,9 | 42,1 | 15 300* | 56,7 | 41,6 | 12 900* | 59,4 | 40,6 | 10 100* | 32,0 |
| 34,0 | 51,0 | 40,4 | 14 900* | 53,7 | 40,0 | 12 300* | 56,3 | 38,9 | 9 700*  | 34,0 |
| 36,0 | 47,9 | 38,6 | 14 300* | 50,6 | 38,1 | 11 700* | 53,1 | 37,0 | 9 400*  | 36,0 |
| 38,0 | 44,6 | 36,6 | 13 500* | 47,3 | 36,1 | 11 300* | 49,6 | 34,9 | 9 100*  | 38,0 |
| 40,0 | 41,1 | 34,3 | 12 800* | 43,8 | 33,7 | 10 800* | 46,0 | 32,4 | 8 900*  | 40,0 |
| 42,0 | 37,4 | 31,7 | 12 200* | 39,9 | 31,1 | 10 400* |      |      |         | 42,0 |
| 44,0 | 33,3 | 28,7 | 11 600* | 35,7 | 28,0 | 10 100* |      |      |         | 44,0 |
| 46,0 | 28,6 | 25,1 | 11 100  |      |      |         |      |      |         | 46,0 |

# 14000 S-3

ASME B30.5

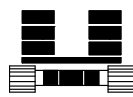
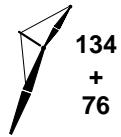


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 79,7 | 54,5 | 20 200* |      |      |         |      |      |         | 12,2 |
| 14,0 | 77,7 | 54,1 | 19 700* | 80,6 | 53,7 | 18 100* |      |      |         | 14,0 |
| 16,0 | 75,5 | 53,6 | 19 100* | 78,3 | 53,2 | 17 700* |      |      |         | 16,0 |
| 18,0 | 73,2 | 52,9 | 18 600* | 76,1 | 52,5 | 17 200* | 79,0 | 51,7 | 14 400* | 18,0 |
| 20,0 | 71,0 | 52,2 | 18 100* | 73,8 | 51,8 | 16 800* | 76,6 | 50,9 | 13 600* | 20,0 |
| 22,0 | 68,6 | 51,4 | 17 700* | 71,4 | 51,0 | 16 400* | 74,2 | 50,1 | 12 900* | 22,0 |
| 24,0 | 66,3 | 50,5 | 17 200* | 69,0 | 50,1 | 16 100* | 71,8 | 49,2 | 12 300* | 24,0 |
| 26,0 | 63,9 | 49,5 | 16 800* | 66,6 | 49,1 | 15 700* | 69,3 | 48,2 | 11 700* | 26,0 |
| 28,0 | 61,4 | 48,4 | 16 300* | 64,1 | 48,0 | 14 900* | 66,8 | 47,0 | 11 200* | 28,0 |
| 30,0 | 58,9 | 47,2 | 15 900* | 61,6 | 46,7 | 14 100* | 64,2 | 45,8 | 10 800* | 30,0 |
| 32,0 | 56,3 | 45,8 | 15 600* | 59,0 | 45,4 | 13 400* | 61,5 | 44,4 | 10 400* | 32,0 |
| 34,0 | 53,6 | 44,3 | 15 200* | 56,2 | 43,9 | 12 800* | 58,7 | 42,8 | 10 000* | 34,0 |
| 36,0 | 50,8 | 42,7 | 14 900* | 53,4 | 42,2 | 12 200* | 55,8 | 41,1 | 9 700*  | 36,0 |
| 38,0 | 47,9 | 40,9 | 14 300* | 50,5 | 40,4 | 11 700* | 52,8 | 39,2 | 9 400*  | 38,0 |
| 40,0 | 44,8 | 38,9 | 13 500* | 47,4 | 38,3 | 11 300* | 49,6 | 37,1 | 9 100*  | 40,0 |
| 42,0 | 41,6 | 36,6 | 12 700  | 44,1 | 36,0 | 10 800* | 46,2 | 34,7 | 8 900*  | 42,0 |
| 44,0 | 38,1 | 34,1 | 11 800  | 40,5 | 33,4 | 10 500* |      |      |         | 44,0 |
| 46,0 | 34,3 | 31,2 | 10 900  | 36,6 | 30,5 | 10 100* |      |      |         | 46,0 |
| 48,0 | 30,1 | 27,8 | 10 200  |      |      |         |      |      |         | 48,0 |
| 50,0 | 25,2 | 23,7 | 9 500   |      |      |         |      |      |         | 50,0 |

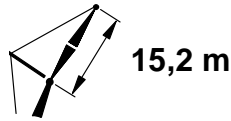
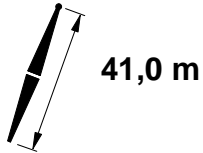


# 14000 S-3

ASME B30.5



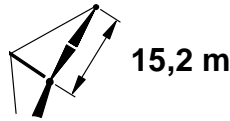
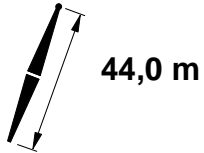
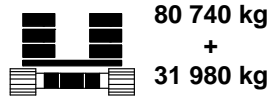
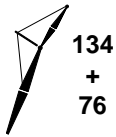
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,3 | 57,6 | 20 200* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,4 | 57,2 | 19 700* |      |      |         |      |      |         | 14,0 |
| 16,0 | 76,3 | 56,7 | 19 200* | 79,0 | 56,3 | 17 700* |      |      |         | 16,0 |
| 18,0 | 74,2 | 56,1 | 18 700* | 76,8 | 55,7 | 17 300* | 79,6 | 54,8 | 14 600* | 18,0 |
| 20,0 | 72,0 | 55,4 | 18 300* | 74,7 | 55,0 | 16 900* | 77,4 | 54,1 | 13 800* | 20,0 |
| 22,0 | 69,8 | 54,6 | 17 800* | 72,5 | 54,2 | 16 600* | 75,1 | 53,3 | 13 100* | 22,0 |
| 24,0 | 67,6 | 53,8 | 17 400* | 70,3 | 53,4 | 16 200* | 72,9 | 52,5 | 12 500* | 24,0 |
| 26,0 | 65,4 | 52,9 | 17 000* | 68,0 | 52,4 | 15 900* | 70,6 | 51,5 | 12 000* | 26,0 |
| 28,0 | 63,1 | 51,8 | 16 600* | 65,7 | 51,4 | 15 500* | 68,2 | 50,5 | 11 500* | 28,0 |
| 30,0 | 60,7 | 50,7 | 16 200* | 63,3 | 50,3 | 14 600* | 65,8 | 49,3 | 11 000* | 30,0 |
| 32,0 | 58,3 | 49,5 | 15 800* | 60,9 | 49,0 | 13 900* | 63,3 | 48,0 | 10 600* | 32,0 |
| 34,0 | 55,9 | 48,1 | 15 500* | 58,4 | 47,6 | 13 300* | 60,8 | 46,6 | 10 300* | 34,0 |
| 36,0 | 53,3 | 46,6 | 15 100* | 55,8 | 46,1 | 12 700* | 58,1 | 45,0 | 9 900*  | 36,0 |
| 38,0 | 50,7 | 44,9 | 14 600  | 53,1 | 44,4 | 12 200* | 55,4 | 43,3 | 9 600*  | 38,0 |
| 40,0 | 47,9 | 43,1 | 13 500  | 50,3 | 42,6 | 11 700* | 52,5 | 41,4 | 9 300*  | 40,0 |
| 42,0 | 45,0 | 41,1 | 12 500  | 47,4 | 40,5 | 11 300* | 49,5 | 39,3 | 9 100*  | 42,0 |
| 44,0 | 42,0 | 38,9 | 11 600  | 44,3 | 38,3 | 10 900* | 46,3 | 37,0 | 8 900*  | 44,0 |
| 46,0 | 38,7 | 36,4 | 10 800  | 41,0 | 35,7 | 10 500* |      |      |         | 46,0 |
| 48,0 | 35,2 | 33,6 | 10 000  | 37,4 | 32,9 | 10 100* |      |      |         | 48,0 |
| 50,0 | 31,3 | 30,3 | 9 300   | 33,4 | 29,6 | 9 500   |      |      |         | 50,0 |
| 52,0 | 26,9 | 26,5 | 8 700   |      |      |         |      |      |         | 52,0 |

# 14000 S-3

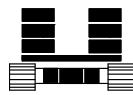
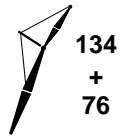
ASME B30.5



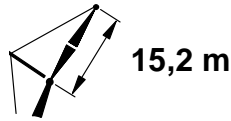
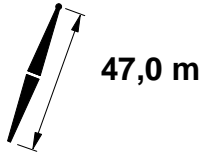
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 12,2 | 80,8 | 60,6 | 20 200* |      |      |         |      |      |         | 12,2 |
| 14,0 | 79,0 | 60,3 | 19 800* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,0 | 59,8 | 19 300* | 79,6 | 59,4 | 17 800* |      |      |         | 16,0 |
| 18,0 | 75,0 | 59,2 | 18 800* | 77,5 | 58,8 | 17 400* |      |      |         | 18,0 |
| 20,0 | 73,0 | 58,6 | 18 400* | 75,5 | 58,2 | 17 000* | 78,1 | 57,3 | 14 000* | 20,0 |
| 22,0 | 70,9 | 57,9 | 18 000* | 73,4 | 57,5 | 16 700* | 76,0 | 56,6 | 13 400* | 22,0 |
| 24,0 | 68,8 | 57,1 | 17 600* | 71,3 | 56,7 | 16 300* | 73,8 | 55,7 | 12 800* | 24,0 |
| 26,0 | 66,7 | 56,2 | 17 200* | 69,2 | 55,8 | 16 000* | 71,7 | 54,8 | 12 200* | 26,0 |
| 28,0 | 64,6 | 55,2 | 16 800* | 67,0 | 54,8 | 15 700* | 69,5 | 53,9 | 11 700* | 28,0 |
| 30,0 | 62,4 | 54,2 | 16 400* | 64,8 | 53,7 | 15 200* | 67,2 | 52,8 | 11 300* | 30,0 |
| 32,0 | 60,1 | 53,0 | 16 000* | 62,6 | 52,6 | 14 400* | 64,9 | 51,6 | 10 900* | 32,0 |
| 34,0 | 57,8 | 51,7 | 15 700* | 60,3 | 51,3 | 13 700* | 62,5 | 50,3 | 10 500* | 34,0 |
| 36,0 | 55,5 | 50,4 | 15 400  | 57,9 | 49,9 | 13 200* | 60,1 | 48,8 | 10 200* | 36,0 |
| 38,0 | 53,1 | 48,8 | 14 400  | 55,4 | 48,3 | 12 600* | 57,6 | 47,2 | 9 900*  | 38,0 |
| 40,0 | 50,5 | 47,2 | 13 300  | 52,9 | 46,7 | 12 100* | 55,0 | 45,5 | 9 600*  | 40,0 |
| 42,0 | 47,9 | 45,4 | 12 300  | 50,2 | 44,8 | 11 700* | 52,3 | 43,6 | 9 300*  | 42,0 |
| 44,0 | 45,2 | 43,4 | 11 400  | 47,5 | 42,8 | 11 300* | 49,4 | 41,6 | 9 100*  | 44,0 |
| 46,0 | 42,3 | 41,2 | 10 600  | 44,5 | 40,6 | 10 800  | 46,4 | 39,3 | 8 900*  | 46,0 |
| 48,0 | 39,3 | 38,7 | 9 800   | 41,4 | 38,1 | 10 000  |      |      |         | 48,0 |
| 50,0 | 36,0 | 36,0 | 9 100   | 38,1 | 35,3 | 9 300   |      |      |         | 50,0 |
| 52,0 | 32,4 | 32,9 | 8 500   | 34,4 | 32,1 | 8 600   |      |      |         | 52,0 |
| 54,0 | 28,4 | 29,3 | 7 900   |      |      |         |      |      |         | 54,0 |
| 56,0 | 23,8 | 24,9 | 7 300   |      |      |         |      |      |         | 56,0 |

# 14000 S-3

ASME B30.5



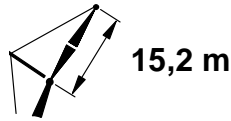
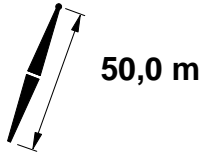
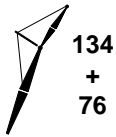
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 79,8 | 63,4 | 19 800* |      |      |         |      |      |         | 13,7 |
| 14,0 | 79,5 | 63,3 | 19 800* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,6 | 62,9 | 19 300* | 80,1 | 62,4 | 17 800* |      |      |         | 16,0 |
| 18,0 | 75,7 | 62,3 | 18 900* | 78,2 | 61,9 | 17 500* |      |      |         | 18,0 |
| 20,0 | 73,8 | 61,7 | 18 500* | 76,2 | 61,3 | 17 100* | 78,7 | 60,4 | 14 300* | 20,0 |
| 22,0 | 71,9 | 61,1 | 18 100* | 74,3 | 60,6 | 16 800* | 76,7 | 59,7 | 13 600* | 22,0 |
| 24,0 | 69,9 | 60,3 | 17 700* | 72,3 | 59,9 | 16 400* | 74,7 | 59,0 | 13 000* | 24,0 |
| 26,0 | 67,9 | 59,5 | 17 300* | 70,3 | 59,1 | 16 100* | 72,6 | 58,1 | 12 500* | 26,0 |
| 28,0 | 65,9 | 58,6 | 17 000* | 68,2 | 58,1 | 15 800* | 70,6 | 57,2 | 12 000* | 28,0 |
| 30,0 | 63,8 | 57,6 | 16 600* | 66,2 | 57,1 | 15 500* | 68,4 | 56,2 | 11 500* | 30,0 |
| 32,0 | 61,7 | 56,5 | 16 300* | 64,1 | 56,0 | 14 900* | 66,3 | 55,0 | 11 100* | 32,0 |
| 34,0 | 59,6 | 55,3 | 15 900* | 61,9 | 54,8 | 14 200* | 64,1 | 53,8 | 10 700* | 34,0 |
| 36,0 | 57,4 | 54,0 | 15 400  | 59,7 | 53,5 | 13 600* | 61,8 | 52,5 | 10 400* | 36,0 |
| 38,0 | 55,1 | 52,6 | 14 200  | 57,4 | 52,1 | 13 000* | 59,5 | 51,0 | 10 100* | 38,0 |
| 40,0 | 52,8 | 51,1 | 13 100  | 55,1 | 50,6 | 12 500* | 57,1 | 49,4 | 9 800*  | 40,0 |
| 42,0 | 50,4 | 49,4 | 12 100  | 52,6 | 48,9 | 12 100* | 54,6 | 47,7 | 9 500*  | 42,0 |
| 44,0 | 47,9 | 47,6 | 11 200  | 50,1 | 47,0 | 11 500  | 52,0 | 45,8 | 9 300*  | 44,0 |
| 46,0 | 45,3 | 45,6 | 10 400  | 47,5 | 45,0 | 10 600  | 49,3 | 43,8 | 9 100*  | 46,0 |
| 48,0 | 42,6 | 43,4 | 9 600   | 44,7 | 42,8 | 9 800   | 46,5 | 41,5 | 8 900*  | 48,0 |
| 50,0 | 39,7 | 41,0 | 8 900   | 41,8 | 40,4 | 9 100   | 43,5 | 39,0 | 8 700*  | 50,0 |
| 52,0 | 36,7 | 38,4 | 8 300   | 38,7 | 37,7 | 8 500   |      |      |         | 52,0 |
| 54,0 | 33,3 | 35,3 | 7 700   | 35,3 | 34,6 | 7 800   |      |      |         | 54,0 |
| 56,0 | 29,7 | 31,9 | 7 200   |      |      |         |      |      |         | 56,0 |
| 58,0 | 25,5 | 27,8 | 6 600   |      |      |         |      |      |         | 58,0 |

# 14000 S-3

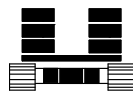
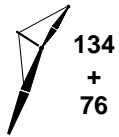
ASME B30.5



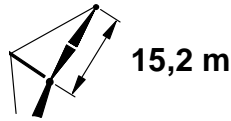
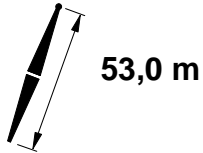
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,3 | 66,4 | 19 800* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,0 | 66,4 | 19 800* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,2 | 65,9 | 19 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 76,4 | 65,4 | 18 900* | 78,7 | 65,0 | 17 500* |      |      |         | 18,0 |
| 20,0 | 74,6 | 64,9 | 18 500* | 76,9 | 64,4 | 17 200* | 79,2 | 63,5 | 14 500* | 20,0 |
| 22,0 | 72,7 | 64,2 | 18 100* | 75,0 | 63,8 | 16 800* | 77,3 | 62,9 | 13 800* | 22,0 |
| 24,0 | 70,9 | 63,5 | 17 800* | 73,2 | 63,1 | 16 500* | 75,4 | 62,1 | 13 200* | 24,0 |
| 26,0 | 69,0 | 62,7 | 17 400* | 71,3 | 62,3 | 16 200* | 73,5 | 61,3 | 12 700* | 26,0 |
| 28,0 | 67,1 | 61,9 | 17 100* | 69,3 | 61,4 | 15 900* | 71,5 | 60,5 | 12 200* | 28,0 |
| 30,0 | 65,1 | 60,9 | 16 800* | 67,4 | 60,5 | 15 700* | 69,6 | 59,5 | 11 800* | 30,0 |
| 32,0 | 63,2 | 59,9 | 16 400* | 65,4 | 59,4 | 15 300* | 67,5 | 58,4 | 11 300* | 32,0 |
| 34,0 | 61,1 | 58,8 | 16 100* | 63,3 | 58,3 | 14 600* | 65,5 | 57,3 | 11 000* | 34,0 |
| 36,0 | 59,1 | 57,6 | 15 400  | 61,3 | 57,1 | 14 000* | 63,4 | 56,1 | 10 600* | 36,0 |
| 38,0 | 57,0 | 56,3 | 14 100  | 59,1 | 55,8 | 13 500* | 61,2 | 54,7 | 10 300* | 38,0 |
| 40,0 | 54,8 | 54,8 | 13 000  | 57,0 | 54,3 | 13 000* | 59,0 | 53,2 | 10 000* | 40,0 |
| 42,0 | 52,6 | 53,3 | 12 000  | 54,7 | 52,8 | 12 300  | 56,7 | 51,6 | 9 800*  | 42,0 |
| 44,0 | 50,3 | 51,6 | 11 100  | 52,4 | 51,1 | 11 300  | 54,3 | 49,9 | 9 500*  | 44,0 |
| 46,0 | 47,9 | 49,8 | 10 200  | 50,0 | 49,2 | 10 500  | 51,8 | 48,0 | 9 300*  | 46,0 |
| 48,0 | 45,5 | 47,8 | 9 500   | 47,5 | 47,3 | 9 700   | 49,3 | 46,0 | 9 100*  | 48,0 |
| 50,0 | 42,9 | 45,7 | 8 800   | 44,9 | 45,1 | 9 000   | 46,6 | 43,7 | 8 900*  | 50,0 |
| 52,0 | 40,2 | 43,3 | 8 200   | 42,1 | 42,7 | 8 300   |      |      |         | 52,0 |
| 54,0 | 37,3 | 40,7 | 7 600   | 39,2 | 40,0 | 7 700   |      |      |         | 54,0 |
| 56,0 | 34,1 | 37,8 | 7 000   | 36,0 | 37,0 | 7 200   |      |      |         | 56,0 |
| 58,0 | 30,7 | 34,5 | 6 500   |      |      |         |      |      |         | 58,0 |
| 60,0 | 26,9 | 30,6 | 6 000   |      |      |         |      |      |         | 60,0 |
| 62,0 | 22,5 | 26,0 | 5 600   |      |      |         |      |      |         | 62,0 |

# 14000 S-3

ASME B30.5



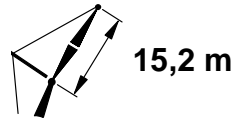
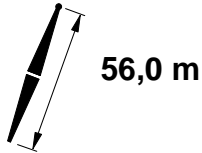
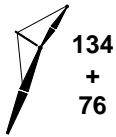
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,7 | 69,5 | 19 800* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,5 | 69,4 | 19 700* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,8 | 69,0 | 19 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,0 | 68,5 | 18 900* | 79,2 | 68,1 | 17 500* |      |      |         | 18,0 |
| 20,0 | 75,3 | 68,0 | 18 500* | 77,5 | 67,6 | 17 200* | 79,7 | 66,7 | 14 600* | 20,0 |
| 22,0 | 73,5 | 67,4 | 18 200* | 75,7 | 67,0 | 16 900* | 77,9 | 66,0 | 14 000* | 22,0 |
| 24,0 | 71,8 | 66,7 | 17 800* | 73,9 | 66,3 | 16 600* | 76,1 | 65,3 | 13 400* | 24,0 |
| 26,0 | 70,0 | 66,0 | 17 500* | 72,1 | 65,5 | 16 300* | 74,3 | 64,6 | 12 900* | 26,0 |
| 28,0 | 68,2 | 65,2 | 17 200* | 70,3 | 64,7 | 16 000* | 72,4 | 63,8 | 12 400* | 28,0 |
| 30,0 | 66,3 | 64,3 | 16 900* | 68,5 | 63,8 | 15 800* | 70,6 | 62,8 | 12 000* | 30,0 |
| 32,0 | 64,4 | 63,3 | 16 600* | 66,6 | 62,8 | 15 500* | 68,6 | 61,8 | 11 600* | 32,0 |
| 34,0 | 62,5 | 62,2 | 16 200* | 64,7 | 61,8 | 15 100* | 66,7 | 60,8 | 11 200* | 34,0 |
| 36,0 | 60,6 | 61,1 | 15 200  | 62,7 | 60,6 | 14 400* | 64,7 | 59,6 | 10 800* | 36,0 |
| 38,0 | 58,6 | 59,9 | 13 900  | 60,7 | 59,4 | 13 900* | 62,7 | 58,3 | 10 500* | 38,0 |
| 40,0 | 56,6 | 58,5 | 12 800  | 58,7 | 58,0 | 13 200  | 60,6 | 57,0 | 10 200* | 40,0 |
| 42,0 | 54,5 | 57,1 | 11 800  | 56,6 | 56,6 | 12 100  | 58,5 | 55,5 | 10 000* | 42,0 |
| 44,0 | 52,4 | 55,6 | 10 900  | 54,4 | 55,0 | 11 200  | 56,3 | 53,9 | 9 700*  | 44,0 |
| 46,0 | 50,2 | 53,9 | 10 100  | 52,2 | 53,3 | 10 300  | 54,0 | 52,2 | 9 500*  | 46,0 |
| 48,0 | 48,0 | 52,1 | 9 300   | 49,9 | 51,5 | 9 500   | 51,7 | 50,3 | 9 300*  | 48,0 |
| 50,0 | 45,6 | 50,1 | 8 600   | 47,6 | 49,5 | 8 800   | 49,2 | 48,2 | 9 000   | 50,0 |
| 52,0 | 43,2 | 48,0 | 8 000   | 45,1 | 47,4 | 8 200   | 46,7 | 46,0 | 8 300   | 52,0 |
| 54,0 | 40,6 | 45,6 | 7 400   | 42,4 | 45,0 | 7 600   | 44,0 | 43,6 | 7 700   | 54,0 |
| 56,0 | 37,8 | 43,1 | 6 800   | 39,7 | 42,4 | 7 000   |      |      |         | 56,0 |
| 58,0 | 34,9 | 40,2 | 6 300   | 36,7 | 39,5 | 6 500   |      |      |         | 58,0 |
| 60,0 | 31,7 | 37,0 | 5 900   | 33,5 | 36,2 | 6 000   |      |      |         | 60,0 |
| 62,0 | 28,2 | 33,4 | 5 400   |      |      |         |      |      |         | 62,0 |
| 64,0 | 24,3 | 29,1 | 5 000   |      |      |         |      |      |         | 64,0 |

# 14000 S-3

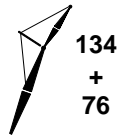
ASME B30.5



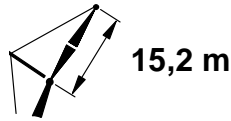
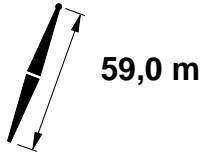
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 79,9 | 72,2 | 19 400* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,2 | 72,1 | 19 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,6 | 71,6 | 18 900* | 79,7 | 71,2 | 17 400* |      |      |         | 18,0 |
| 20,0 | 75,9 | 71,1 | 18 500* | 78,0 | 70,7 | 17 200* | 80,2 | 69,7 | 14 800* | 20,0 |
| 22,0 | 74,2 | 70,5 | 18 200* | 76,3 | 70,1 | 16 900* | 78,5 | 69,2 | 14 200* | 22,0 |
| 24,0 | 72,6 | 69,9 | 17 900* | 74,6 | 69,4 | 16 600* | 76,8 | 68,5 | 13 600* | 24,0 |
| 26,0 | 70,8 | 69,2 | 17 500* | 72,9 | 68,7 | 16 400* | 75,0 | 67,8 | 13 100* | 26,0 |
| 28,0 | 69,1 | 68,4 | 17 200* | 71,2 | 67,9 | 16 100* | 73,2 | 67,0 | 12 600* | 28,0 |
| 30,0 | 67,4 | 67,5 | 17 000* | 69,4 | 67,1 | 15 900* | 71,5 | 66,1 | 12 200* | 30,0 |
| 32,0 | 65,6 | 66,6 | 16 700* | 67,6 | 66,2 | 15 600* | 69,6 | 65,2 | 11 800* | 32,0 |
| 34,0 | 63,8 | 65,6 | 16 300* | 65,8 | 65,2 | 15 400* | 67,8 | 64,2 | 11 400* | 34,0 |
| 36,0 | 62,0 | 64,5 | 15 000  | 64,0 | 64,1 | 14 900* | 65,9 | 63,0 | 11 100* | 36,0 |
| 38,0 | 60,1 | 63,4 | 13 700  | 62,1 | 62,9 | 14 100  | 64,0 | 61,9 | 10 700* | 38,0 |
| 40,0 | 58,2 | 62,1 | 12 600  | 60,2 | 61,6 | 12 900  | 62,1 | 60,6 | 10 400* | 40,0 |
| 42,0 | 56,3 | 60,8 | 11 600  | 58,2 | 60,3 | 11 900  | 60,1 | 59,2 | 10 200* | 42,0 |
| 44,0 | 54,3 | 59,3 | 10 700  | 56,2 | 58,8 | 11 000  | 58,0 | 57,7 | 9 900*  | 44,0 |
| 46,0 | 52,2 | 57,8 | 9 800   | 54,2 | 57,2 | 10 100  | 55,9 | 56,1 | 9 700*  | 46,0 |
| 48,0 | 50,1 | 56,1 | 9 100   | 52,0 | 55,5 | 9 300   | 53,8 | 54,3 | 9 400*  | 48,0 |
| 50,0 | 48,0 | 54,3 | 8 400   | 49,9 | 53,7 | 8 600   | 51,5 | 52,5 | 8 900   | 50,0 |
| 52,0 | 45,7 | 52,3 | 7 800   | 47,6 | 51,7 | 8 000   | 49,2 | 50,4 | 8 200   | 52,0 |
| 54,0 | 43,4 | 50,2 | 7 200   | 45,2 | 49,6 | 7 400   | 46,7 | 48,2 | 7 500   | 54,0 |
| 56,0 | 40,9 | 47,9 | 6 600   | 42,7 | 47,2 | 6 800   | 44,2 | 45,8 | 7 000   | 56,0 |
| 58,0 | 38,3 | 45,4 | 6 100   | 40,1 | 44,7 | 6 300   |      |      |         | 58,0 |
| 60,0 | 35,6 | 42,6 | 5 700   | 37,3 | 41,9 | 5 800   |      |      |         | 60,0 |
| 62,0 | 32,6 | 39,5 | 5 200   | 34,2 | 38,7 | 5 300   |      |      |         | 62,0 |
| 64,0 | 29,3 | 36,0 | 4 800   |      |      |         |      |      |         | 64,0 |
| 66,0 | 25,7 | 32,0 | 4 400   |      |      |         |      |      |         | 66,0 |

# 14000 S-3

ASME B30.5



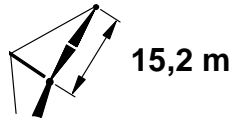
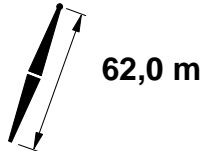
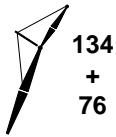
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,3 | 75,3 | 19 300* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,7 | 75,2 | 19 200* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,1 | 74,7 | 18 800* |      |      |         |      |      |         | 18,0 |
| 20,0 | 76,5 | 74,2 | 18 500* | 78,5 | 73,8 | 17 100* | 80,6 | 72,9 | 15 000* | 20,0 |
| 22,0 | 74,9 | 73,7 | 18 200* | 76,9 | 73,2 | 16 900* | 79,0 | 72,3 | 14 400* | 22,0 |
| 24,0 | 73,3 | 73,1 | 17 900* | 75,3 | 72,6 | 16 700* | 77,3 | 71,7 | 13 800* | 24,0 |
| 26,0 | 71,7 | 72,4 | 17 600* | 73,7 | 71,9 | 16 400* | 75,7 | 71,0 | 13 300* | 26,0 |
| 28,0 | 70,0 | 71,6 | 17 300* | 72,0 | 71,2 | 16 200* | 74,0 | 70,2 | 12 800* | 28,0 |
| 30,0 | 68,3 | 70,8 | 17 000* | 70,3 | 70,4 | 15 900* | 72,3 | 69,4 | 12 400* | 30,0 |
| 32,0 | 66,7 | 70,0 | 16 700* | 68,6 | 69,5 | 15 700* | 70,6 | 68,5 | 12 000* | 32,0 |
| 34,0 | 65,0 | 69,0 | 16 300  | 66,9 | 68,5 | 15 500* | 68,8 | 67,5 | 11 600* | 34,0 |
| 36,0 | 63,2 | 68,0 | 14 800  | 65,2 | 67,5 | 15 100  | 67,0 | 66,5 | 11 300* | 36,0 |
| 38,0 | 61,5 | 66,9 | 13 500  | 63,4 | 66,4 | 13 900  | 65,2 | 65,4 | 10 900* | 38,0 |
| 40,0 | 59,7 | 65,7 | 12 400  | 61,6 | 65,2 | 12 800  | 63,4 | 64,1 | 10 600* | 40,0 |
| 42,0 | 57,8 | 64,4 | 11 400  | 59,7 | 63,9 | 11 700  | 61,5 | 62,8 | 10 400* | 42,0 |
| 44,0 | 56,0 | 63,1 | 10 500  | 57,8 | 62,6 | 10 800  | 59,6 | 61,4 | 10 100* | 44,0 |
| 46,0 | 54,0 | 61,6 | 9 700   | 55,9 | 61,1 | 10 000  | 57,6 | 59,9 | 9 900*  | 46,0 |
| 48,0 | 52,1 | 60,0 | 8 900   | 53,9 | 59,5 | 9 200   | 55,6 | 58,3 | 9 500*  | 48,0 |
| 50,0 | 50,1 | 58,4 | 8 200   | 51,9 | 57,8 | 8 500   | 53,5 | 56,6 | 8 700   | 50,0 |
| 52,0 | 48,0 | 56,5 | 7 600   | 49,8 | 56,0 | 7 800   | 51,4 | 54,7 | 8 000   | 52,0 |
| 54,0 | 45,8 | 54,6 | 7 000   | 47,6 | 54,0 | 7 200   | 49,1 | 52,7 | 7 400   | 54,0 |
| 56,0 | 43,6 | 52,5 | 6 400   | 45,3 | 51,9 | 6 600   | 46,8 | 50,5 | 6 800   | 56,0 |
| 58,0 | 41,2 | 50,2 | 5 900   | 43,0 | 49,6 | 6 100   |      |      |         | 58,0 |
| 60,0 | 38,8 | 47,7 | 5 500   | 40,5 | 47,0 | 5 600   |      |      |         | 60,0 |
| 62,0 | 36,2 | 45,0 | 5 000   | 37,8 | 44,3 | 5 200   |      |      |         | 62,0 |
| 64,0 | 33,4 | 42,0 | 4 600   | 35,0 | 41,2 | 4 700   |      |      |         | 64,0 |
| 66,0 | 30,4 | 38,6 | 4 200   |      |      |         |      |      |         | 66,0 |
| 68,0 | 27,0 | 34,8 | 3 900   |      |      |         |      |      |         | 68,0 |
| 70,0 | 23,2 | 30,3 | 3 500   |      |      |         |      |      |         | 70,0 |

# 14000 S-3

ASME B30.5

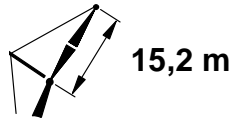
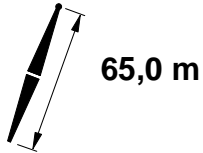
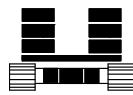
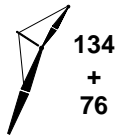


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,7 | 78,3 | 19 200* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,1 | 78,2 | 19 100* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,6 | 77,8 | 18 800* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,0 | 77,3 | 18 400* | 79,0 | 76,9 | 17 100* |      |      |         | 20,0 |
| 22,0 | 75,5 | 76,8 | 18 100* | 77,5 | 76,3 | 16 900* | 79,4 | 75,4 | 14 500* | 22,0 |
| 24,0 | 74,0 | 76,2 | 17 800* | 75,9 | 75,7 | 16 700* | 77,8 | 74,8 | 14 000* | 24,0 |
| 26,0 | 72,4 | 75,5 | 17 600* | 74,3 | 75,1 | 16 400* | 76,3 | 74,1 | 13 500* | 26,0 |
| 28,0 | 70,8 | 74,8 | 17 300* | 72,7 | 74,4 | 16 200* | 74,6 | 73,4 | 13 000* | 28,0 |
| 30,0 | 69,2 | 74,1 | 17 000* | 71,1 | 73,6 | 16 000* | 73,0 | 72,6 | 12 600* | 30,0 |
| 32,0 | 67,6 | 73,2 | 16 800* | 69,5 | 72,8 | 15 700* | 71,4 | 71,8 | 12 200* | 32,0 |
| 34,0 | 66,0 | 72,3 | 16 100  | 67,9 | 71,9 | 15 500* | 69,7 | 70,8 | 11 800* | 34,0 |
| 36,0 | 64,3 | 71,3 | 14 600  | 66,2 | 70,9 | 15 000  | 68,0 | 69,8 | 11 400* | 36,0 |
| 38,0 | 62,7 | 70,3 | 13 400  | 64,5 | 69,8 | 13 800  | 66,3 | 68,8 | 11 100* | 38,0 |
| 40,0 | 61,0 | 69,2 | 12 200  | 62,8 | 68,7 | 12 600  | 64,6 | 67,6 | 10 800* | 40,0 |
| 42,0 | 59,2 | 68,0 | 11 200  | 61,1 | 67,5 | 11 600  | 62,8 | 66,4 | 10 500* | 42,0 |
| 44,0 | 57,5 | 66,7 | 10 300  | 59,3 | 66,2 | 10 700  | 61,0 | 65,1 | 10 300* | 44,0 |
| 46,0 | 55,7 | 65,3 | 9 500   | 57,5 | 64,8 | 9 800   | 59,1 | 63,7 | 10 000* | 46,0 |
| 48,0 | 53,8 | 63,8 | 8 700   | 55,6 | 63,3 | 9 000   | 57,2 | 62,2 | 9 300   | 48,0 |
| 50,0 | 51,9 | 62,3 | 8 100   | 53,7 | 61,7 | 8 300   | 55,3 | 60,5 | 8 600   | 50,0 |
| 52,0 | 50,0 | 60,6 | 7 400   | 51,7 | 60,0 | 7 700   | 53,3 | 58,8 | 7 900   | 52,0 |
| 54,0 | 48,0 | 58,8 | 6 800   | 49,7 | 58,2 | 7 100   | 51,2 | 56,9 | 7 300   | 54,0 |
| 56,0 | 45,9 | 56,8 | 6 300   | 47,6 | 56,2 | 6 500   | 49,1 | 54,9 | 6 700   | 56,0 |
| 58,0 | 43,8 | 54,7 | 5 800   | 45,5 | 54,1 | 6 000   | 46,9 | 52,7 | 6 200   | 58,0 |
| 60,0 | 41,5 | 52,5 | 5 300   | 43,2 | 51,8 | 5 500   | 44,5 | 50,4 | 5 600   | 60,0 |
| 62,0 | 39,2 | 50,0 | 4 900   | 40,8 | 49,3 | 5 000   |      |      |         | 62,0 |
| 64,0 | 36,7 | 47,3 | 4 500   | 38,3 | 46,6 | 4 600   |      |      |         | 64,0 |
| 66,0 | 34,1 | 44,4 | 4 100   | 35,6 | 43,6 | 4 200   |      |      |         | 66,0 |
| 68,0 | 31,2 | 41,2 | 3 700   | 32,7 | 40,3 | 3 800   |      |      |         | 68,0 |
| 70,0 | 28,1 | 37,5 | 3 400   |      |      |         |      |      |         | 70,0 |
| 72,0 | 24,6 | 33,2 | 3 000   |      |      |         |      |      |         | 72,0 |



# 14000 S-3

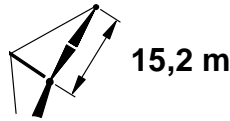
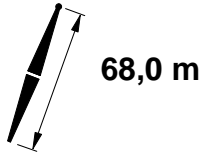
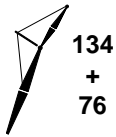
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 81,0 | 81,4 | 19 100* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,5 | 81,3 | 19 000* |      |      |         |      |      |         | 16,0 |
| 18,0 | 79,0 | 80,9 | 18 700* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,5 | 80,4 | 18 400* | 79,4 | 80,0 | 17 000* |      |      |         | 20,0 |
| 22,0 | 76,1 | 79,9 | 18 100* | 77,9 | 79,5 | 16 800* | 79,8 | 78,5 | 14 700* | 22,0 |
| 24,0 | 74,6 | 79,3 | 17 800* | 76,4 | 78,9 | 16 600* | 78,3 | 77,9 | 14 100* | 24,0 |
| 26,0 | 73,1 | 78,7 | 17 500* | 74,9 | 78,3 | 16 400* | 76,8 | 77,3 | 13 600* | 26,0 |
| 28,0 | 71,6 | 78,0 | 17 300* | 73,4 | 77,6 | 16 200* | 75,3 | 76,6 | 13 200* | 28,0 |
| 30,0 | 70,1 | 77,3 | 17 000* | 71,9 | 76,8 | 16 000* | 73,7 | 75,9 | 12 700* | 30,0 |
| 32,0 | 68,5 | 76,5 | 16 800* | 70,3 | 76,0 | 15 800* | 72,1 | 75,0 | 12 300* | 32,0 |
| 34,0 | 67,0 | 75,6 | 15 900  | 68,8 | 75,2 | 15 600* | 70,6 | 74,2 | 12 000* | 34,0 |
| 36,0 | 65,4 | 74,7 | 14 400  | 67,2 | 74,2 | 15 000  | 68,9 | 73,2 | 11 600* | 36,0 |
| 38,0 | 63,8 | 73,7 | 13 200  | 65,6 | 73,2 | 13 600  | 67,3 | 72,2 | 11 300* | 38,0 |
| 40,0 | 62,2 | 72,6 | 12 100  | 64,0 | 72,2 | 12 500  | 65,7 | 71,1 | 11 000* | 40,0 |
| 42,0 | 60,5 | 71,5 | 11 100  | 62,3 | 71,0 | 11 400  | 64,0 | 69,9 | 10 700* | 42,0 |
| 44,0 | 58,8 | 70,3 | 10 100  | 60,6 | 69,8 | 10 500  | 62,3 | 68,7 | 10 500* | 44,0 |
| 46,0 | 57,1 | 69,0 | 9 300   | 58,9 | 68,5 | 9 700   | 60,5 | 67,3 | 10 000  | 46,0 |
| 48,0 | 55,4 | 67,6 | 8 600   | 57,1 | 67,1 | 8 900   | 58,7 | 65,9 | 9 200   | 48,0 |
| 50,0 | 53,6 | 66,1 | 7 900   | 55,3 | 65,6 | 8 200   | 56,9 | 64,4 | 8 400   | 50,0 |
| 52,0 | 51,8 | 64,5 | 7 200   | 53,5 | 64,0 | 7 500   | 55,0 | 62,8 | 7 800   | 52,0 |
| 54,0 | 49,9 | 62,8 | 6 700   | 51,6 | 62,3 | 6 900   | 53,1 | 61,0 | 7 100   | 54,0 |
| 56,0 | 48,0 | 61,0 | 6 100   | 49,7 | 60,4 | 6 300   | 51,1 | 59,2 | 6 500   | 56,0 |
| 58,0 | 46,0 | 59,1 | 5 600   | 47,7 | 58,5 | 5 800   | 49,1 | 57,2 | 6 000   | 58,0 |
| 60,0 | 44,0 | 57,0 | 5 100   | 45,6 | 56,4 | 5 300   | 46,9 | 55,0 | 5 500   | 60,0 |
| 62,0 | 41,8 | 54,8 | 4 700   | 43,4 | 54,1 | 4 900   | 44,7 | 52,7 | 5 000   | 62,0 |
| 64,0 | 39,6 | 52,4 | 4 300   | 41,1 | 51,7 | 4 400   |      |      |         | 64,0 |
| 66,0 | 37,2 | 49,7 | 3 900   | 38,7 | 49,0 | 4 000   |      |      |         | 66,0 |
| 68,0 | 34,7 | 46,9 | 3 500   | 36,2 | 46,1 | 3 700   |      |      |         | 68,0 |
| 70,0 | 32,0 | 43,7 | 3 200   | 33,5 | 42,9 | 3 300   |      |      |         | 70,0 |
| 72,0 | 29,1 | 40,2 | 2 900   |      |      |         |      |      |         | 72,0 |
| 74,0 | 25,9 | 36,1 | 2 600   |      |      |         |      |      |         | 74,0 |
| 76,0 | 22,3 | 31,4 | 2 200*  |      |      |         |      |      |         | 76,0 |

# 14000 S-3

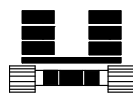
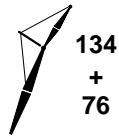
ASME B30.5



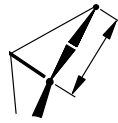
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,3 | 84,2 | 18 800* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,4 | 83,9 | 18 600* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,0 | 83,5 | 18 300* | 79,8 | 83,0 | 17 000* |      |      |         | 20,0 |
| 22,0 | 76,6 | 83,0 | 18 000* | 78,4 | 82,6 | 16 800* | 80,2 | 81,6 | 14 800* | 22,0 |
| 24,0 | 75,2 | 82,5 | 17 700* | 77,0 | 82,0 | 16 600* | 78,8 | 81,0 | 14 300* | 24,0 |
| 26,0 | 73,7 | 81,9 | 17 500* | 75,5 | 81,4 | 16 400* | 77,3 | 80,4 | 13 800* | 26,0 |
| 28,0 | 72,3 | 81,2 | 17 200* | 74,0 | 80,7 | 16 200* | 75,8 | 79,8 | 13 300* | 28,0 |
| 30,0 | 70,8 | 80,5 | 17 000* | 72,6 | 80,0 | 16 000* | 74,3 | 79,0 | 12 900* | 30,0 |
| 32,0 | 69,3 | 79,7 | 16 700* | 71,1 | 79,3 | 15 800* | 72,8 | 78,3 | 12 500* | 32,0 |
| 34,0 | 67,8 | 78,9 | 15 700  | 69,6 | 78,4 | 15 500* | 71,3 | 77,4 | 12 100* | 34,0 |
| 36,0 | 66,3 | 78,0 | 14 200  | 68,1 | 77,5 | 14 800  | 69,8 | 76,5 | 11 800* | 36,0 |
| 38,0 | 64,8 | 77,1 | 12 900  | 66,5 | 76,6 | 13 400  | 68,2 | 75,5 | 11 500* | 38,0 |
| 40,0 | 63,3 | 76,0 | 11 800  | 65,0 | 75,6 | 12 200  | 66,6 | 74,5 | 11 200* | 40,0 |
| 42,0 | 61,7 | 74,9 | 10 800  | 63,4 | 74,5 | 11 200  | 65,0 | 73,4 | 10 900* | 42,0 |
| 44,0 | 60,1 | 73,8 | 9 900   | 61,8 | 73,3 | 10 300  | 63,4 | 72,2 | 10 600  | 44,0 |
| 46,0 | 58,5 | 72,5 | 9 100   | 60,2 | 72,0 | 9 400   | 61,8 | 70,9 | 9 700   | 46,0 |
| 48,0 | 56,8 | 71,2 | 8 300   | 58,5 | 70,7 | 8 600   | 60,1 | 69,6 | 8 900   | 48,0 |
| 50,0 | 55,1 | 69,8 | 7 600   | 56,8 | 69,3 | 7 900   | 58,3 | 68,1 | 8 200   | 50,0 |
| 52,0 | 53,4 | 68,3 | 7 000   | 55,1 | 67,8 | 7 300   | 56,6 | 66,6 | 7 500   | 52,0 |
| 54,0 | 51,7 | 66,7 | 6 400   | 53,3 | 66,2 | 6 700   | 54,8 | 65,0 | 6 900   | 54,0 |
| 56,0 | 49,9 | 65,0 | 5 800   | 51,5 | 64,5 | 6 100   | 52,9 | 63,2 | 6 300   | 56,0 |
| 58,0 | 48,0 | 63,2 | 5 300   | 49,6 | 62,7 | 5 600   | 51,0 | 61,4 | 5 800   | 58,0 |
| 60,0 | 46,1 | 61,3 | 4 900   | 47,7 | 60,7 | 5 100   | 49,0 | 59,4 | 5 300   | 60,0 |
| 62,0 | 44,1 | 59,2 | 4 400   | 45,7 | 58,6 | 4 600   | 47,0 | 57,2 | 4 800   | 62,0 |
| 64,0 | 42,1 | 57,0 | 4 000   | 43,6 | 56,4 | 4 200   | 44,8 | 54,9 | 4 300   | 64,0 |
| 66,0 | 39,9 | 54,6 | 3 600   | 41,4 | 54,0 | 3 800   |      |      |         | 66,0 |
| 68,0 | 37,7 | 52,1 | 3 300   | 39,1 | 51,3 | 3 400   |      |      |         | 68,0 |
| 70,0 | 35,3 | 49,2 | 2 900   | 36,7 | 48,5 | 3 100   |      |      |         | 70,0 |
| 72,0 | 32,7 | 46,2 | 2 600   | 34,1 | 45,3 | 2 700   |      |      |         | 72,0 |
| 74,0 | 30,0 | 42,7 | 2 300*  |      |      |         |      |      |         | 74,0 |
| 76,0 | 27,0 | 38,9 | 1 900*  |      |      |         |      |      |         | 76,0 |

# 14000 S-3

ASME B30.5



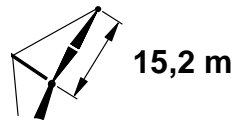
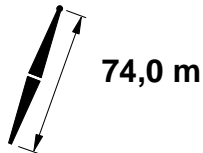
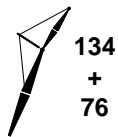
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,6 | 87,2 | 18 600* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,8 | 87,0 | 18 500* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,4 | 86,5 | 18 200* | 80,2 | 86,1 | 16 900* |      |      |         | 20,0 |
| 22,0 | 77,1 | 86,1 | 17 900* | 78,8 | 85,6 | 16 700* |      |      |         | 22,0 |
| 24,0 | 75,7 | 85,6 | 17 600* | 77,4 | 85,1 | 16 500* | 79,2 | 84,1 | 14 400* | 24,0 |
| 26,0 | 74,3 | 85,0 | 17 400* | 76,0 | 84,5 | 16 400* | 77,8 | 83,5 | 13 900* | 26,0 |
| 28,0 | 72,9 | 84,4 | 17 100* | 74,6 | 83,9 | 16 200* | 76,4 | 82,9 | 13 500* | 28,0 |
| 30,0 | 71,5 | 83,7 | 16 900* | 73,2 | 83,2 | 16 000* | 74,9 | 82,2 | 13 100* | 30,0 |
| 32,0 | 70,1 | 82,9 | 16 700* | 71,8 | 82,5 | 15 800* | 73,5 | 81,5 | 12 700* | 32,0 |
| 34,0 | 68,6 | 82,1 | 15 700  | 70,3 | 81,7 | 15 600* | 72,0 | 80,7 | 12 300* | 34,0 |
| 36,0 | 67,2 | 81,3 | 14 200  | 68,9 | 80,8 | 14 800  | 70,5 | 79,8 | 12 000* | 36,0 |
| 38,0 | 65,7 | 80,4 | 13 000  | 67,4 | 79,9 | 13 400  | 69,1 | 78,9 | 11 600* | 38,0 |
| 40,0 | 64,3 | 79,4 | 11 800  | 65,9 | 78,9 | 12 300  | 67,5 | 77,9 | 11 300* | 40,0 |
| 42,0 | 62,8 | 78,4 | 10 800  | 64,4 | 77,9 | 11 200  | 66,0 | 76,8 | 11 100* | 42,0 |
| 44,0 | 61,2 | 77,2 | 9 900   | 62,9 | 76,8 | 10 300  | 64,5 | 75,7 | 10 600  | 44,0 |
| 46,0 | 59,7 | 76,1 | 9 100   | 61,3 | 75,6 | 9 500   | 62,9 | 74,5 | 9 800   | 46,0 |
| 48,0 | 58,1 | 74,8 | 8 300   | 59,8 | 74,3 | 8 700   | 61,3 | 73,2 | 9 000   | 48,0 |
| 50,0 | 56,5 | 73,5 | 7 600   | 58,2 | 73,0 | 8 000   | 59,6 | 71,8 | 8 300   | 50,0 |
| 52,0 | 54,9 | 72,1 | 7 000   | 56,5 | 71,5 | 7 300   | 58,0 | 70,4 | 7 600   | 52,0 |
| 54,0 | 53,2 | 70,6 | 6 400   | 54,8 | 70,0 | 6 700   | 56,3 | 68,8 | 7 000   | 54,0 |
| 56,0 | 51,5 | 69,0 | 5 900   | 53,1 | 68,4 | 6 100   | 54,5 | 67,2 | 6 400   | 56,0 |
| 58,0 | 49,8 | 67,3 | 5 400   | 51,4 | 66,7 | 5 600   | 52,7 | 65,4 | 5 800   | 58,0 |
| 60,0 | 48,0 | 65,5 | 4 900   | 49,6 | 64,9 | 5 100   | 50,9 | 63,6 | 5 300   | 60,0 |
| 62,0 | 46,2 | 63,5 | 4 500   | 47,7 | 62,9 | 4 700   | 49,0 | 61,6 | 4 900   | 62,0 |
| 64,0 | 44,2 | 61,5 | 4 100   | 45,8 | 60,8 | 4 300   | 47,0 | 59,5 | 4 400   | 64,0 |
| 66,0 | 42,3 | 59,3 | 3 700   | 43,8 | 58,6 | 3 800   | 45,0 | 57,2 | 4 000   | 66,0 |
| 68,0 | 40,2 | 56,9 | 3 300   | 41,7 | 56,2 | 3 500   |      |      |         | 68,0 |
| 70,0 | 38,1 | 54,4 | 3 000   | 39,5 | 53,6 | 3 100   |      |      |         | 70,0 |
| 72,0 | 35,8 | 51,6 | 2 600   | 37,2 | 50,8 | 2 800   |      |      |         | 72,0 |
| 74,0 | 33,4 | 48,6 | 2 300*  | 34,7 | 47,8 | 2 400*  |      |      |         | 74,0 |
| 76,0 | 30,8 | 45,3 | 1 900*  | 32,1 | 44,4 | 2 100*  |      |      |         | 76,0 |

# 14000 S-3

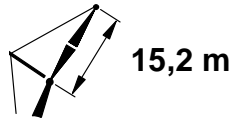
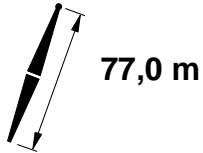
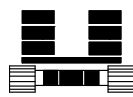
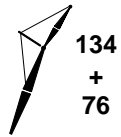
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,9 | 90,3 | 18 500* |      |      |         |      |      |         | 16,8 |
| 18,0 | 80,1 | 90,0 | 18 300* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,8 | 89,6 | 18 000* | 80,5 | 89,2 | 16 800* |      |      |         | 20,0 |
| 22,0 | 77,5 | 89,2 | 17 800* | 79,2 | 88,7 | 16 600* |      |      |         | 22,0 |
| 24,0 | 76,2 | 88,7 | 17 500* | 77,9 | 88,2 | 16 400* | 79,6 | 87,3 | 14 600* | 24,0 |
| 26,0 | 74,8 | 88,1 | 17 300* | 76,5 | 87,7 | 16 300* | 78,2 | 86,7 | 14 100* | 26,0 |
| 28,0 | 73,5 | 87,5 | 17 000* | 75,2 | 87,1 | 16 100* | 76,8 | 86,1 | 13 600* | 28,0 |
| 30,0 | 72,1 | 86,9 | 16 800* | 73,8 | 86,4 | 15 900* | 75,5 | 85,4 | 13 200* | 30,0 |
| 32,0 | 70,8 | 86,2 | 16 600* | 72,4 | 85,7 | 15 700* | 74,1 | 84,7 | 12 800* | 32,0 |
| 34,0 | 69,4 | 85,4 | 15 500  | 71,1 | 84,9 | 15 500* | 72,7 | 83,9 | 12 500* | 34,0 |
| 36,0 | 68,0 | 84,6 | 14 100  | 69,7 | 84,1 | 14 700  | 71,3 | 83,1 | 12 100* | 36,0 |
| 38,0 | 66,6 | 83,7 | 12 800  | 68,2 | 83,2 | 13 300  | 69,8 | 82,2 | 11 800* | 38,0 |
| 40,0 | 65,2 | 82,8 | 11 700  | 66,8 | 82,3 | 12 100  | 68,4 | 81,2 | 11 500* | 40,0 |
| 42,0 | 63,8 | 81,8 | 10 700  | 65,4 | 81,3 | 11 100  | 66,9 | 80,2 | 11 200* | 42,0 |
| 44,0 | 62,3 | 80,7 | 9 800   | 63,9 | 80,2 | 10 200  | 65,4 | 79,1 | 10 600  | 44,0 |
| 46,0 | 60,8 | 79,6 | 8 900   | 62,4 | 79,1 | 9 300   | 63,9 | 78,0 | 9 700   | 46,0 |
| 48,0 | 59,3 | 78,4 | 8 200   | 60,9 | 77,9 | 8 500   | 62,4 | 76,8 | 8 900   | 48,0 |
| 50,0 | 57,8 | 77,1 | 7 500   | 59,4 | 76,6 | 7 800   | 60,9 | 75,5 | 8 100   | 50,0 |
| 52,0 | 56,3 | 75,8 | 6 800   | 57,8 | 75,2 | 7 200   | 59,3 | 74,1 | 7 400   | 52,0 |
| 54,0 | 54,7 | 74,3 | 6 300   | 56,2 | 73,8 | 6 600   | 57,7 | 72,6 | 6 800   | 54,0 |
| 56,0 | 53,1 | 72,8 | 5 700   | 54,6 | 72,3 | 6 000   | 56,0 | 71,1 | 6 200   | 56,0 |
| 58,0 | 51,4 | 71,2 | 5 200   | 53,0 | 70,7 | 5 500   | 54,3 | 69,4 | 5 700   | 58,0 |
| 60,0 | 49,7 | 69,5 | 4 700   | 51,3 | 68,9 | 5 000   | 52,6 | 67,7 | 5 200   | 60,0 |
| 62,0 | 48,0 | 67,7 | 4 300   | 49,5 | 67,1 | 4 500   | 50,8 | 65,8 | 4 700   | 62,0 |
| 64,0 | 46,2 | 65,8 | 3 900   | 47,7 | 65,2 | 4 100   | 49,0 | 63,8 | 4 300   | 64,0 |
| 66,0 | 44,4 | 63,8 | 3 500   | 45,9 | 63,1 | 3 700   | 47,1 | 61,7 | 3 900   | 66,0 |
| 68,0 | 42,5 | 61,6 | 3 100   | 43,9 | 60,9 | 3 300   | 45,1 | 59,5 | 3 500   | 68,0 |
| 70,0 | 40,5 | 59,2 | 2 800   | 41,9 | 58,5 | 3 000   | 43,0 | 57,0 | 3 100   | 70,0 |
| 72,0 | 38,5 | 56,7 | 2 500   | 39,8 | 56,0 | 2 600   |      |      |         | 72,0 |
| 74,0 | 36,3 | 54,0 | 2 100*  | 37,7 | 53,2 | 2 300*  |      |      |         | 74,0 |
| 76,0 |      |      |         | 35,3 | 50,3 | 1 900*  |      |      |         | 76,0 |

# 14000 S-3

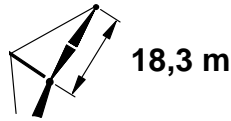
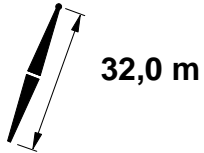
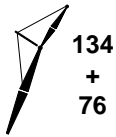
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 18,3 | 80,3 | 93,0 | 18 100* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,2 | 92,7 | 17 900* | 80,8 | 92,2 | 16 600* |      |      |         | 20,0 |
| 22,0 | 77,9 | 92,2 | 17 600* | 79,5 | 91,8 | 16 500* |      |      |         | 22,0 |
| 24,0 | 76,6 | 91,8 | 17 400* | 78,3 | 91,3 | 16 300* | 79,9 | 90,3 | 14 700* | 24,0 |
| 26,0 | 75,3 | 91,2 | 17 100* | 77,0 | 90,8 | 16 200* | 78,6 | 89,8 | 14 200* | 26,0 |
| 28,0 | 74,1 | 90,6 | 16 900* | 75,7 | 90,2 | 16 000* | 77,3 | 89,2 | 13 800* | 28,0 |
| 30,0 | 72,7 | 90,0 | 16 700* | 74,4 | 89,6 | 15 900* | 76,0 | 88,6 | 13 400* | 30,0 |
| 32,0 | 71,4 | 89,3 | 16 500* | 73,0 | 88,9 | 15 700* | 74,6 | 87,9 | 13 000* | 32,0 |
| 34,0 | 70,1 | 88,6 | 15 400  | 71,7 | 88,1 | 15 500* | 73,3 | 87,1 | 12 600* | 34,0 |
| 36,0 | 68,8 | 87,8 | 13 900  | 70,4 | 87,3 | 14 500  | 71,9 | 86,3 | 12 300* | 36,0 |
| 38,0 | 67,4 | 87,0 | 12 600  | 69,0 | 86,5 | 13 100  | 70,5 | 85,5 | 12 000* | 38,0 |
| 40,0 | 66,1 | 86,1 | 11 500  | 67,6 | 85,6 | 12 000  | 69,2 | 84,5 | 11 700* | 40,0 |
| 42,0 | 64,7 | 85,1 | 10 500  | 66,2 | 84,6 | 10 900  | 67,8 | 83,6 | 11 300  | 42,0 |
| 44,0 | 63,3 | 84,1 | 9 600   | 64,8 | 83,6 | 10 000  | 66,3 | 82,5 | 10 400  | 44,0 |
| 46,0 | 61,9 | 83,0 | 8 800   | 63,4 | 82,5 | 9 100   | 64,9 | 81,4 | 9 500   | 46,0 |
| 48,0 | 60,4 | 81,9 | 8 000   | 62,0 | 81,4 | 8 400   | 63,4 | 80,3 | 8 700   | 48,0 |
| 50,0 | 59,0 | 80,7 | 7 300   | 60,5 | 80,1 | 7 600   | 61,9 | 79,0 | 8 000   | 50,0 |
| 52,0 | 57,5 | 79,4 | 6 700   | 59,0 | 78,8 | 7 000   | 60,4 | 77,7 | 7 300   | 52,0 |
| 54,0 | 56,0 | 78,0 | 6 100   | 57,5 | 77,5 | 6 400   | 58,9 | 76,3 | 6 700   | 54,0 |
| 56,0 | 54,5 | 76,6 | 5 500   | 56,0 | 76,0 | 5 800   | 57,3 | 74,8 | 6 100   | 56,0 |
| 58,0 | 52,9 | 75,1 | 5 000   | 54,4 | 74,5 | 5 300   | 55,7 | 73,3 | 5 500   | 58,0 |
| 60,0 | 51,3 | 73,4 | 4 600   | 52,8 | 72,9 | 4 800   | 54,1 | 71,6 | 5 000   | 60,0 |
| 62,0 | 49,7 | 71,7 | 4 100   | 51,2 | 71,2 | 4 400   | 52,4 | 69,9 | 4 600   | 62,0 |
| 64,0 | 48,0 | 69,9 | 3 700   | 49,5 | 69,3 | 3 900   | 50,7 | 68,0 | 4 100   | 64,0 |
| 66,0 | 46,3 | 68,0 | 3 300   | 47,7 | 67,4 | 3 500   | 48,9 | 66,1 | 3 700   | 66,0 |
| 68,0 | 44,5 | 66,0 | 3 000   | 45,9 | 65,3 | 3 200   | 47,1 | 64,0 | 3 300   | 68,0 |
| 70,0 | 42,7 | 63,8 | 2 600   | 44,1 | 63,2 | 2 800   | 45,2 | 61,7 | 2 900   | 70,0 |
| 72,0 | 40,8 | 61,5 | 2 200*  | 42,2 | 60,8 | 2 500*  |      |      |         | 72,0 |
| 74,0 |      |      |         | 40,1 | 58,3 | 2 000*  |      |      |         | 74,0 |

# 14000 S-3

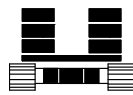
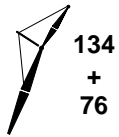
ASME B30.5



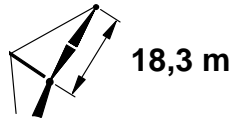
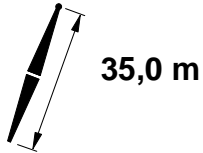
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 10,7 | 80,9 | 51,8 | 17 600* |      |      |         |      |      |         | 10,7 |
| 12,0 | 79,4 | 51,5 | 17 300* |      |      |         |      |      |         | 12,0 |
| 14,0 | 77,0 | 51,1 | 16 700* |      |      |         |      |      |         | 14,0 |
| 16,0 | 74,6 | 50,5 | 16 200* | 78,7 | 50,2 | 14 200* |      |      |         | 16,0 |
| 18,0 | 72,2 | 49,8 | 15 600* | 76,2 | 49,5 | 13 900* |      |      |         | 18,0 |
| 20,0 | 69,8 | 49,1 | 15 100* | 73,8 | 48,8 | 13 700* | 77,5 | 47,9 | 11 800* | 20,0 |
| 22,0 | 67,3 | 48,2 | 14 600* | 71,3 | 47,9 | 13 300* | 74,9 | 47,0 | 11 100* | 22,0 |
| 24,0 | 64,8 | 47,2 | 14 100* | 68,7 | 47,0 | 13 000* | 72,3 | 46,0 | 10 500* | 24,0 |
| 26,0 | 62,2 | 46,2 | 13 700* | 66,1 | 45,9 | 12 700* | 69,7 | 44,9 | 9 900*  | 26,0 |
| 28,0 | 59,6 | 45,0 | 13 200* | 63,5 | 44,7 | 12 300* | 66,9 | 43,7 | 9 400*  | 28,0 |
| 30,0 | 56,8 | 43,6 | 12 900* | 60,7 | 43,4 | 11 800* | 64,1 | 42,4 | 9 000*  | 30,0 |
| 32,0 | 54,0 | 42,2 | 12 500* | 57,9 | 41,9 | 11 100* | 61,2 | 40,8 | 8 600*  | 32,0 |
| 34,0 | 51,0 | 40,5 | 12 100* | 54,9 | 40,3 | 10 500* | 58,1 | 39,2 | 8 200*  | 34,0 |
| 36,0 | 48,0 | 38,7 | 11 700* | 51,8 | 38,5 | 10 000* | 54,9 | 37,3 | 7 900*  | 36,0 |
| 38,0 | 44,7 | 36,7 | 11 100* | 48,5 | 36,5 | 9 600*  | 51,6 | 35,2 | 7 700*  | 38,0 |
| 40,0 | 41,3 | 34,4 | 10 500* | 45,0 | 34,2 | 9 100*  | 47,9 | 32,8 | 7 400*  | 40,0 |
| 42,0 | 37,5 | 31,8 | 9 900*  | 41,3 | 31,6 | 8 800*  | 44,0 | 30,1 | 7 200*  | 42,0 |
| 44,0 | 33,4 | 28,8 | 9 500*  | 37,1 | 28,6 | 8 400*  |      |      |         | 44,0 |
| 46,0 | 28,8 | 25,3 | 9 000*  |      |      |         |      |      |         | 46,0 |
| 48,0 | 23,2 | 20,8 | 8 600*  |      |      |         |      |      |         | 48,0 |

# 14000 S-3

ASME B30.5



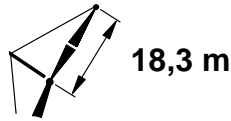
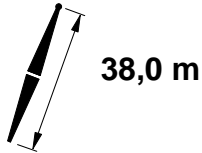
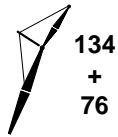
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 79,8 | 54,6 | 17 300* |      |      |         |      |      |         | 12,2 |
| 14,0 | 77,8 | 54,1 | 16 800* |      |      |         |      |      |         | 14,0 |
| 16,0 | 75,5 | 53,6 | 16 300* | 79,3 | 53,3 | 14 200* |      |      |         | 16,0 |
| 18,0 | 73,3 | 53,0 | 15 800* | 77,1 | 52,7 | 14 000* |      |      |         | 18,0 |
| 20,0 | 71,0 | 52,3 | 15 300* | 74,8 | 52,0 | 13 700* | 78,2 | 51,0 | 12 100* | 20,0 |
| 22,0 | 68,7 | 51,5 | 14 800* | 72,4 | 51,2 | 13 500* | 75,9 | 50,2 | 11 400* | 22,0 |
| 24,0 | 66,3 | 50,6 | 14 300* | 70,0 | 50,3 | 13 100* | 73,5 | 49,3 | 10 700* | 24,0 |
| 26,0 | 63,9 | 49,6 | 13 900* | 67,6 | 49,3 | 12 800* | 71,0 | 48,3 | 10 200* | 26,0 |
| 28,0 | 61,5 | 48,5 | 13 500* | 65,2 | 48,2 | 12 500* | 68,5 | 47,2 | 9 700*  | 28,0 |
| 30,0 | 58,9 | 47,2 | 13 100* | 62,6 | 47,0 | 12 200* | 65,9 | 45,9 | 9 300*  | 30,0 |
| 32,0 | 56,3 | 45,9 | 12 800* | 60,0 | 45,6 | 11 600* | 63,2 | 44,5 | 8 900*  | 32,0 |
| 34,0 | 53,7 | 44,4 | 12 400* | 57,3 | 44,1 | 11 000* | 60,4 | 43,0 | 8 500*  | 34,0 |
| 36,0 | 50,9 | 42,8 | 12 100* | 54,5 | 42,5 | 10 500* | 57,5 | 41,3 | 8 200*  | 36,0 |
| 38,0 | 48,0 | 40,9 | 11 700* | 51,6 | 40,7 | 10 000* | 54,5 | 39,5 | 7 900*  | 38,0 |
| 40,0 | 44,9 | 38,9 | 11 100* | 48,5 | 38,7 | 9 600*  | 51,3 | 37,4 | 7 600*  | 40,0 |
| 42,0 | 41,7 | 36,7 | 10 500* | 45,2 | 36,4 | 9 200*  | 47,9 | 35,0 | 7 400*  | 42,0 |
| 44,0 | 38,2 | 34,1 | 10 000* | 41,7 | 33,9 | 8 800*  | 44,3 | 32,4 | 7 200*  | 44,0 |
| 46,0 | 34,4 | 31,3 | 9 600*  | 37,9 | 31,0 | 8 500*  |      |      |         | 46,0 |
| 48,0 | 30,2 | 27,9 | 9 100*  | 33,6 | 27,6 | 8 200*  |      |      |         | 48,0 |
| 50,0 | 25,3 | 23,8 | 8 800*  |      |      |         |      |      |         | 50,0 |

# 14000 S-3

ASME B30.5

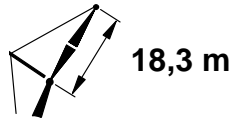
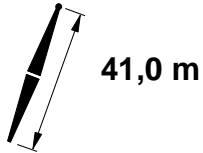
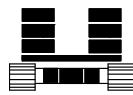
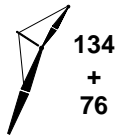


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,3 | 57,6 | 17 300* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,4 | 57,2 | 16 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 76,3 | 56,7 | 16 400* | 79,9 | 56,4 | 14 200* |      |      |         | 16,0 |
| 18,0 | 74,2 | 56,1 | 15 900* | 77,8 | 55,8 | 14 000* |      |      |         | 18,0 |
| 20,0 | 72,1 | 55,5 | 15 400* | 75,6 | 55,2 | 13 800* | 78,9 | 54,2 | 12 300* | 20,0 |
| 22,0 | 69,9 | 54,7 | 15 000* | 73,4 | 54,4 | 13 500* | 76,7 | 53,4 | 11 600* | 22,0 |
| 24,0 | 67,7 | 53,9 | 14 500* | 71,2 | 53,6 | 13 300* | 74,4 | 52,6 | 11 000* | 24,0 |
| 26,0 | 65,4 | 53,0 | 14 100* | 68,9 | 52,6 | 13 000* | 72,1 | 51,7 | 10 400* | 26,0 |
| 28,0 | 63,1 | 51,9 | 13 700* | 66,6 | 51,6 | 12 700* | 69,8 | 50,6 | 9 900*  | 28,0 |
| 30,0 | 60,8 | 50,8 | 13 400* | 64,3 | 50,5 | 12 400* | 67,4 | 49,5 | 9 500*  | 30,0 |
| 32,0 | 58,4 | 49,5 | 13 000* | 61,9 | 49,2 | 12 100* | 64,9 | 48,2 | 9 100*  | 32,0 |
| 34,0 | 55,9 | 48,2 | 12 700* | 59,4 | 47,9 | 11 500* | 62,4 | 46,8 | 8 800*  | 34,0 |
| 36,0 | 53,4 | 46,7 | 12 400* | 56,8 | 46,4 | 10 900* | 59,7 | 45,2 | 8 400*  | 36,0 |
| 38,0 | 50,7 | 45,0 | 12 100* | 54,2 | 44,7 | 10 400* | 57,0 | 43,6 | 8 100*  | 38,0 |
| 40,0 | 48,0 | 43,2 | 11 700* | 51,4 | 42,9 | 10 000* | 54,1 | 41,7 | 7 900*  | 40,0 |
| 42,0 | 45,1 | 41,2 | 11 100* | 48,5 | 40,9 | 9 600*  | 51,1 | 39,6 | 7 600*  | 42,0 |
| 44,0 | 42,1 | 39,0 | 10 600* | 45,4 | 38,7 | 9 200*  | 48,0 | 37,3 | 7 400*  | 44,0 |
| 46,0 | 38,8 | 36,5 | 10 100* | 42,2 | 36,2 | 8 800*  | 44,6 | 34,7 | 7 200*  | 46,0 |
| 48,0 | 35,3 | 33,7 | 9 700*  | 38,6 | 33,4 | 8 500*  |      |      |         | 48,0 |
| 50,0 | 31,5 | 30,5 | 9 300*  | 34,7 | 30,2 | 8 300*  |      |      |         | 50,0 |
| 52,0 | 27,1 | 26,7 | 8 900*  |      |      |         |      |      |         | 52,0 |



# 14000 S-3

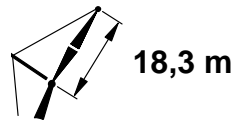
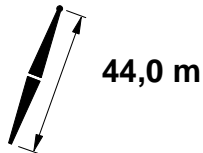
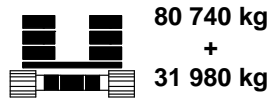
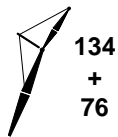
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,8 | 60,7 | 17 300* |      |      |         |      |      |         | 12,2 |
| 14,0 | 79,0 | 60,3 | 16 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,0 | 59,8 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 75,0 | 59,3 | 16 000* | 78,4 | 58,9 | 14 100* |      |      |         | 18,0 |
| 20,0 | 73,0 | 58,6 | 15 600* | 76,4 | 58,3 | 13 800* | 79,5 | 57,3 | 12 500* | 20,0 |
| 22,0 | 70,9 | 57,9 | 15 100* | 74,3 | 57,6 | 13 600* | 77,4 | 56,6 | 11 800* | 22,0 |
| 24,0 | 68,9 | 57,1 | 14 700* | 72,2 | 56,8 | 13 400* | 75,3 | 55,8 | 11 200* | 24,0 |
| 26,0 | 66,8 | 56,3 | 14 300* | 70,1 | 55,9 | 13 100* | 73,1 | 54,9 | 10 700* | 26,0 |
| 28,0 | 64,6 | 55,3 | 13 900* | 67,9 | 55,0 | 12 800* | 70,9 | 54,0 | 10 200* | 28,0 |
| 30,0 | 62,4 | 54,2 | 13 600* | 65,7 | 53,9 | 12 500* | 68,7 | 52,9 | 9 700*  | 30,0 |
| 32,0 | 60,2 | 53,1 | 13 200* | 63,5 | 52,8 | 12 300* | 66,4 | 51,7 | 9 300*  | 32,0 |
| 34,0 | 57,9 | 51,8 | 12 900* | 61,2 | 51,5 | 11 900* | 64,0 | 50,4 | 9 000*  | 34,0 |
| 36,0 | 55,5 | 50,4 | 12 600* | 58,8 | 50,1 | 11 300* | 61,6 | 49,0 | 8 700*  | 36,0 |
| 38,0 | 53,1 | 48,9 | 12 300* | 56,4 | 48,6 | 10 800* | 59,1 | 47,4 | 8 400*  | 38,0 |
| 40,0 | 50,6 | 47,2 | 12 000* | 53,8 | 46,9 | 10 400* | 56,5 | 45,7 | 8 100*  | 40,0 |
| 42,0 | 48,0 | 45,4 | 11 700* | 51,2 | 45,1 | 9 900*  | 53,8 | 43,9 | 7 800*  | 42,0 |
| 44,0 | 45,3 | 43,4 | 11 200* | 48,5 | 43,1 | 9 600*  | 51,0 | 41,8 | 7 600*  | 44,0 |
| 46,0 | 42,4 | 41,2 | 10 600* | 45,6 | 40,9 | 9 200*  | 48,0 | 39,5 | 7 400*  | 46,0 |
| 48,0 | 39,3 | 38,8 | 10 100* | 42,5 | 38,5 | 8 900*  | 44,8 | 37,0 | 7 200*  | 48,0 |
| 50,0 | 36,1 | 36,1 | 9 500   | 39,2 | 35,8 | 8 600*  |      |      |         | 50,0 |
| 52,0 | 32,5 | 33,0 | 8 800   | 35,6 | 32,6 | 8 300*  |      |      |         | 52,0 |
| 54,0 | 28,5 | 29,4 | 8 200   |      |      |         |      |      |         | 54,0 |
| 56,0 | 23,9 | 25,0 | 7 700   |      |      |         |      |      |         | 56,0 |

# 14000 S-3

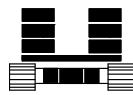
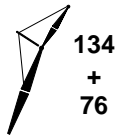
ASME B30.5



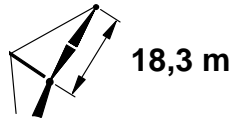
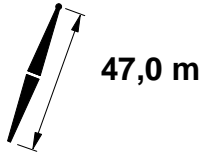
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 79,8 | 63,4 | 17 000* |      |      |         |      |      |         | 13,7 |
| 14,0 | 79,6 | 63,4 | 16 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,7 | 62,9 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 75,8 | 62,4 | 16 100* | 79,0 | 62,1 | 14 100* |      |      |         | 18,0 |
| 20,0 | 73,9 | 61,8 | 15 700* | 77,1 | 61,5 | 13 800* | 80,1 | 60,5 | 12 700* | 20,0 |
| 22,0 | 71,9 | 61,1 | 15 300* | 75,1 | 60,8 | 13 600* | 78,1 | 59,8 | 12 000* | 22,0 |
| 24,0 | 69,9 | 60,4 | 14 900* | 73,1 | 60,1 | 13 400* | 76,1 | 59,1 | 11 400* | 24,0 |
| 26,0 | 68,0 | 59,6 | 14 500* | 71,1 | 59,2 | 13 200* | 74,0 | 58,2 | 10 900* | 26,0 |
| 28,0 | 65,9 | 58,7 | 14 100* | 69,1 | 58,3 | 12 900* | 72,0 | 57,3 | 10 400* | 28,0 |
| 30,0 | 63,9 | 57,7 | 13 800* | 67,0 | 57,3 | 12 700* | 69,9 | 56,3 | 10 000* | 30,0 |
| 32,0 | 61,8 | 56,6 | 13 400* | 64,9 | 56,2 | 12 400* | 67,7 | 55,2 | 9 600*  | 32,0 |
| 34,0 | 59,6 | 55,4 | 13 100* | 62,8 | 55,1 | 12 200* | 65,5 | 54,0 | 9 200*  | 34,0 |
| 36,0 | 57,5 | 54,1 | 12 800* | 60,6 | 53,8 | 11 800* | 63,3 | 52,6 | 8 900*  | 36,0 |
| 38,0 | 55,2 | 52,7 | 12 500* | 58,3 | 52,4 | 11 200* | 60,9 | 51,2 | 8 600*  | 38,0 |
| 40,0 | 52,9 | 51,2 | 12 300* | 56,0 | 50,8 | 10 700* | 58,6 | 49,7 | 8 300*  | 40,0 |
| 42,0 | 50,5 | 49,5 | 12 000* | 53,6 | 49,2 | 10 300* | 56,1 | 47,9 | 8 000*  | 42,0 |
| 44,0 | 48,0 | 47,7 | 11 500  | 51,1 | 47,4 | 9 900*  | 53,5 | 46,1 | 7 800*  | 44,0 |
| 46,0 | 45,4 | 45,7 | 10 700  | 48,5 | 45,4 | 9 600*  | 50,8 | 44,0 | 7 600*  | 46,0 |
| 48,0 | 42,7 | 43,5 | 9 900   | 45,7 | 43,2 | 9 200*  | 48,0 | 41,8 | 7 400*  | 48,0 |
| 50,0 | 39,8 | 41,1 | 9 300   | 42,8 | 40,8 | 8 900*  | 45,0 | 39,3 | 7 200*  | 50,0 |
| 52,0 | 36,8 | 38,5 | 8 600   | 39,7 | 38,2 | 8 600*  |      |      |         | 52,0 |
| 54,0 | 33,5 | 35,5 | 8 000   | 36,4 | 35,1 | 8 300   |      |      |         | 54,0 |
| 56,0 | 29,8 | 32,0 | 7 500   | 32,7 | 31,7 | 7 600   |      |      |         | 56,0 |
| 58,0 | 25,6 | 28,0 | 7 000   |      |      |         |      |      |         | 58,0 |

# 14000 S-3

ASME B30.5



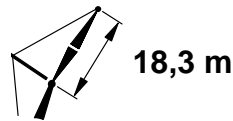
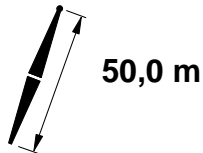
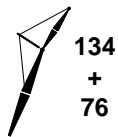
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,3 | 66,5 | 17 000* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,0 | 66,4 | 16 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,3 | 66,0 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 76,4 | 65,5 | 16 200* | 79,5 | 65,1 | 14 100* |      |      |         | 18,0 |
| 20,0 | 74,6 | 64,9 | 15 800* | 77,7 | 64,6 | 13 900* | 80,6 | 63,6 | 12 800* | 20,0 |
| 22,0 | 72,8 | 64,3 | 15 400* | 75,8 | 63,9 | 13 600* | 78,7 | 62,9 | 12 200* | 22,0 |
| 24,0 | 70,9 | 63,6 | 15 000* | 74,0 | 63,2 | 13 500* | 76,8 | 62,2 | 11 600* | 24,0 |
| 26,0 | 69,0 | 62,8 | 14 600* | 72,1 | 62,5 | 13 300* | 74,8 | 61,4 | 11 100* | 26,0 |
| 28,0 | 67,1 | 61,9 | 14 300* | 70,1 | 61,6 | 13 000* | 72,9 | 60,6 | 10 600* | 28,0 |
| 30,0 | 65,2 | 61,0 | 13 900* | 68,2 | 60,7 | 12 800* | 70,9 | 59,6 | 10 200* | 30,0 |
| 32,0 | 63,2 | 60,0 | 13 600* | 66,2 | 59,6 | 12 500* | 68,9 | 58,6 | 9 800*  | 32,0 |
| 34,0 | 61,2 | 58,9 | 13 300* | 64,2 | 58,5 | 12 300* | 66,8 | 57,4 | 9 400*  | 34,0 |
| 36,0 | 59,1 | 57,7 | 13 000* | 62,1 | 57,3 | 12 100* | 64,7 | 56,2 | 9 100*  | 36,0 |
| 38,0 | 57,0 | 56,3 | 12 700* | 60,0 | 56,0 | 11 600* | 62,5 | 54,9 | 8 800*  | 38,0 |
| 40,0 | 54,9 | 54,9 | 12 500* | 57,8 | 54,6 | 11 100* | 60,3 | 53,4 | 8 500*  | 40,0 |
| 42,0 | 52,7 | 53,4 | 12 100  | 55,6 | 53,1 | 10 700* | 58,0 | 51,8 | 8 200*  | 42,0 |
| 44,0 | 50,4 | 51,7 | 11 400  | 53,3 | 51,4 | 10 300* | 55,7 | 50,1 | 8 000*  | 44,0 |
| 46,0 | 48,0 | 49,9 | 10 500  | 50,9 | 49,6 | 9 900*  | 53,2 | 48,3 | 7 800*  | 46,0 |
| 48,0 | 45,5 | 47,9 | 9 800   | 48,4 | 47,6 | 9 600*  | 50,7 | 46,2 | 7 600*  | 48,0 |
| 50,0 | 43,0 | 45,8 | 9 100   | 45,8 | 45,5 | 9 200*  | 48,0 | 44,0 | 7 400*  | 50,0 |
| 52,0 | 40,3 | 43,4 | 8 400   | 43,1 | 43,1 | 8 700   | 45,2 | 41,6 | 7 200*  | 52,0 |
| 54,0 | 37,4 | 40,8 | 7 900   | 40,2 | 40,5 | 8 100   |      |      |         | 54,0 |
| 56,0 | 34,3 | 37,9 | 7 300   | 37,1 | 37,6 | 7 500   |      |      |         | 56,0 |
| 58,0 | 30,9 | 34,6 | 6 800   | 33,6 | 34,2 | 7 000   |      |      |         | 58,0 |
| 60,0 | 27,1 | 30,8 | 6 300   |      |      |         |      |      |         | 60,0 |
| 62,0 | 22,7 | 26,2 | 5 900   |      |      |         |      |      |         | 62,0 |

# 14000 S-3

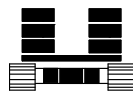
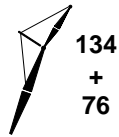
ASME B30.5



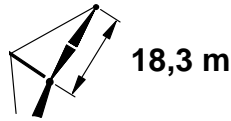
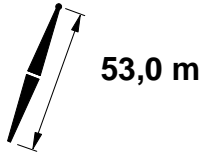
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 13,7 | 80,7 | 69,5 | 17 000* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,5 | 69,5 | 16 900* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,8 | 69,1 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,1 | 68,6 | 16 200* |      |      |         |      |      |         | 18,0 |
| 20,0 | 75,3 | 68,0 | 15 800* | 78,2 | 67,7 | 13 900* |      |      |         | 20,0 |
| 22,0 | 73,6 | 67,4 | 15 500* | 76,5 | 67,1 | 13 700* | 79,2 | 66,1 | 12 400* | 22,0 |
| 24,0 | 71,8 | 66,8 | 15 100* | 74,7 | 66,4 | 13 500* | 77,4 | 65,4 | 11 800* | 24,0 |
| 26,0 | 70,0 | 66,0 | 14 700* | 72,9 | 65,7 | 13 300* | 75,6 | 64,6 | 11 300* | 26,0 |
| 28,0 | 68,2 | 65,2 | 14 400* | 71,1 | 64,9 | 13 100* | 73,7 | 63,8 | 10 800* | 28,0 |
| 30,0 | 66,3 | 64,3 | 14 100* | 69,2 | 64,0 | 12 900* | 71,8 | 62,9 | 10 400* | 30,0 |
| 32,0 | 64,5 | 63,3 | 13 700* | 67,4 | 63,0 | 12 600* | 69,9 | 61,9 | 10 000* | 32,0 |
| 34,0 | 62,6 | 62,3 | 13 400* | 65,4 | 62,0 | 12 400* | 68,0 | 60,9 | 9 600*  | 34,0 |
| 36,0 | 60,6 | 61,2 | 13 200* | 63,5 | 60,8 | 12 200* | 66,0 | 59,7 | 9 300*  | 36,0 |
| 38,0 | 58,7 | 59,9 | 12 900* | 61,5 | 59,6 | 12 000* | 64,0 | 58,4 | 9 000*  | 38,0 |
| 40,0 | 56,7 | 58,6 | 12 600* | 59,5 | 58,3 | 11 500* | 61,9 | 57,1 | 8 700*  | 40,0 |
| 42,0 | 54,6 | 57,2 | 12 200  | 57,4 | 56,8 | 11 000* | 59,8 | 55,6 | 8 400*  | 42,0 |
| 44,0 | 52,5 | 55,6 | 11 200  | 55,3 | 55,3 | 10 600* | 57,6 | 54,0 | 8 200*  | 44,0 |
| 46,0 | 50,3 | 53,9 | 10 400  | 53,1 | 53,6 | 10 200* | 55,3 | 52,3 | 8 000*  | 46,0 |
| 48,0 | 48,0 | 52,1 | 9 600   | 50,8 | 51,8 | 9 800*  | 53,0 | 50,5 | 7 800*  | 48,0 |
| 50,0 | 45,7 | 50,2 | 8 900   | 48,4 | 49,8 | 9 200   | 50,5 | 48,4 | 7 600*  | 50,0 |
| 52,0 | 43,2 | 48,0 | 8 300   | 45,9 | 47,7 | 8 600   | 48,0 | 46,2 | 7 400*  | 52,0 |
| 54,0 | 40,6 | 45,7 | 7 700   | 43,3 | 45,4 | 8 000   | 45,3 | 43,8 | 7 300*  | 54,0 |
| 56,0 | 37,9 | 43,1 | 7 200   | 40,6 | 42,8 | 7 400   | 42,4 | 41,1 | 7 100*  | 56,0 |
| 58,0 | 35,0 | 40,3 | 6 700   | 37,7 | 39,9 | 6 900   |      |      |         | 58,0 |
| 60,0 | 31,8 | 37,1 | 6 200   | 34,5 | 36,7 | 6 400   |      |      |         | 60,0 |
| 62,0 | 28,3 | 33,5 | 5 700   |      |      |         |      |      |         | 62,0 |
| 64,0 | 24,4 | 29,2 | 5 300   |      |      |         |      |      |         | 64,0 |

# 14000 S-3

ASME B30.5



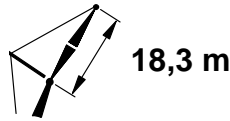
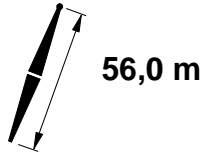
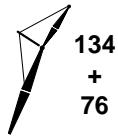
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 79,9 | 72,3 | 16 700* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,3 | 72,1 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,6 | 71,7 | 16 200* |      |      |         |      |      |         | 18,0 |
| 20,0 | 75,9 | 71,2 | 15 800* | 78,8 | 70,8 | 13 800* |      |      |         | 20,0 |
| 22,0 | 74,3 | 70,6 | 15 500* | 77,1 | 70,2 | 13 700* | 79,7 | 69,2 | 12 500* | 22,0 |
| 24,0 | 72,6 | 70,0 | 15 200* | 75,4 | 69,6 | 13 500* | 78,0 | 68,6 | 12 000* | 24,0 |
| 26,0 | 70,9 | 69,2 | 14 800* | 73,7 | 68,9 | 13 300* | 76,2 | 67,8 | 11 500* | 26,0 |
| 28,0 | 69,2 | 68,5 | 14 500* | 71,9 | 68,1 | 13 100* | 74,5 | 67,1 | 11 000* | 28,0 |
| 30,0 | 67,4 | 67,6 | 14 200* | 70,2 | 67,3 | 12 900* | 72,7 | 66,2 | 10 600* | 30,0 |
| 32,0 | 65,6 | 66,7 | 13 900* | 68,4 | 66,4 | 12 700* | 70,9 | 65,3 | 10 200* | 32,0 |
| 34,0 | 63,8 | 65,7 | 13 600* | 66,6 | 65,4 | 12 500* | 69,0 | 64,3 | 9 800*  | 34,0 |
| 36,0 | 62,0 | 64,6 | 13 300* | 64,8 | 64,3 | 12 300* | 67,2 | 63,2 | 9 500*  | 36,0 |
| 38,0 | 60,2 | 63,5 | 13 000* | 62,9 | 63,1 | 12 100* | 65,2 | 62,0 | 9 200*  | 38,0 |
| 40,0 | 58,3 | 62,2 | 12 700* | 61,0 | 61,9 | 11 900* | 63,3 | 60,7 | 8 900*  | 40,0 |
| 42,0 | 56,3 | 60,9 | 12 000  | 59,0 | 60,5 | 11 400* | 61,3 | 59,3 | 8 600*  | 42,0 |
| 44,0 | 54,3 | 59,4 | 11 000  | 57,0 | 59,1 | 11 000* | 59,3 | 57,9 | 8 400*  | 44,0 |
| 46,0 | 52,3 | 57,9 | 10 200  | 55,0 | 57,5 | 10 500* | 57,2 | 56,3 | 8 100*  | 46,0 |
| 48,0 | 50,2 | 56,2 | 9 400   | 52,9 | 55,9 | 9 800   | 55,0 | 54,5 | 7 900*  | 48,0 |
| 50,0 | 48,0 | 54,4 | 8 700   | 50,7 | 54,0 | 9 100   | 52,8 | 52,7 | 7 700*  | 50,0 |
| 52,0 | 45,8 | 52,4 | 8 100   | 48,4 | 52,1 | 8 400   | 50,4 | 50,7 | 7 600*  | 52,0 |
| 54,0 | 43,4 | 50,3 | 7 500   | 46,1 | 50,0 | 7 800   | 48,0 | 48,5 | 7 400*  | 54,0 |
| 56,0 | 41,0 | 48,0 | 7 000   | 43,6 | 47,7 | 7 200   | 45,5 | 46,1 | 7 300*  | 56,0 |
| 58,0 | 38,4 | 45,5 | 6 500   | 41,0 | 45,1 | 6 700   |      |      |         | 58,0 |
| 60,0 | 35,7 | 42,7 | 6 000   | 38,2 | 42,4 | 6 200   |      |      |         | 60,0 |
| 62,0 | 32,7 | 39,6 | 5 600   | 35,2 | 39,3 | 5 700   |      |      |         | 62,0 |
| 64,0 | 29,5 | 36,1 | 5 100   | 32,0 | 35,7 | 5 300   |      |      |         | 64,0 |
| 66,0 | 25,9 | 32,1 | 4 800   |      |      |         |      |      |         | 66,0 |
| 68,0 | 21,7 | 27,3 | 4 400   |      |      |         |      |      |         | 68,0 |

# 14000 S-3

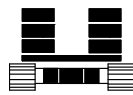
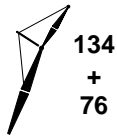
ASME B30.5



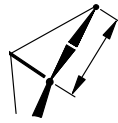
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,3 | 75,4 | 16 600* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,7 | 75,2 | 16 500* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,1 | 74,8 | 16 200* |      |      |         |      |      |         | 18,0 |
| 20,0 | 76,5 | 74,3 | 15 800* | 79,2 | 73,9 | 13 800* |      |      |         | 20,0 |
| 22,0 | 74,9 | 73,7 | 15 500* | 77,6 | 73,3 | 13 600* |      |      |         | 22,0 |
| 24,0 | 73,3 | 73,1 | 15 200* | 76,0 | 72,7 | 13 500* | 80,1 | 72,3 | 12 700* | 24,0 |
| 26,0 | 71,7 | 72,4 | 14 900* | 74,4 | 72,1 | 13 300* | 78,5 | 71,7 | 12 100* | 26,0 |
| 28,0 | 70,0 | 71,7 | 14 600* | 72,7 | 71,3 | 13 100* | 76,8 | 71,0 | 11 600* | 28,0 |
| 30,0 | 68,4 | 70,9 | 14 300* | 71,0 | 70,5 | 13 000* | 75,1 | 70,3 | 11 200* | 30,0 |
| 32,0 | 66,7 | 70,0 | 14 000* | 69,3 | 69,6 | 12 800* | 73,4 | 69,4 | 10 700* | 32,0 |
| 34,0 | 65,0 | 69,1 | 13 700* | 67,6 | 68,7 | 12 600* | 71,7 | 68,5 | 10 300* | 34,0 |
| 36,0 | 63,2 | 68,0 | 13 400* | 65,9 | 67,7 | 12 400* | 70,0 | 67,6 | 10 000* | 36,0 |
| 38,0 | 61,5 | 66,9 | 13 200* | 64,1 | 66,6 | 12 200* | 68,2 | 66,6 | 9 700*  | 38,0 |
| 40,0 | 59,7 | 65,7 | 12 800  | 62,3 | 65,4 | 12 000* | 66,4 | 65,4 | 9 300*  | 40,0 |
| 42,0 | 57,9 | 64,5 | 11 700  | 60,5 | 64,1 | 11 800* | 64,6 | 64,2 | 9 100*  | 42,0 |
| 44,0 | 56,0 | 63,1 | 10 800  | 58,6 | 62,8 | 11 200  | 62,7 | 62,9 | 8 800*  | 44,0 |
| 46,0 | 54,1 | 61,7 | 10 000  | 56,7 | 61,3 | 10 400  | 60,8 | 61,6 | 8 500*  | 46,0 |
| 48,0 | 52,1 | 60,1 | 9 200   | 54,7 | 59,7 | 9 600   | 58,8 | 60,1 | 8 300*  | 48,0 |
| 50,0 | 50,1 | 58,4 | 8 500   | 52,7 | 58,1 | 8 900   | 56,8 | 58,5 | 8 100*  | 50,0 |
| 52,0 | 48,0 | 56,6 | 7 900   | 50,6 | 56,3 | 8 200   | 54,7 | 56,7 | 7 900*  | 52,0 |
| 54,0 | 45,9 | 54,7 | 7 300   | 48,4 | 54,3 | 7 600   | 52,6 | 54,9 | 7 700*  | 54,0 |
| 56,0 | 43,6 | 52,6 | 6 800   | 46,2 | 52,2 | 7 000   | 50,3 | 52,9 | 7 600*  | 56,0 |
| 58,0 | 41,3 | 50,3 | 6 300   | 43,8 | 49,9 | 6 500   | 48,0 | 50,7 | 7 200   | 58,0 |
| 60,0 | 38,8 | 47,8 | 5 800   | 41,3 | 47,4 | 6 000   | 45,6 | 48,4 | 6 700   | 60,0 |
| 62,0 | 36,2 | 45,1 | 5 300   | 38,7 | 44,7 | 5 500   | 43,0 | 45,8 | 6 200   | 62,0 |
| 64,0 | 33,4 | 42,1 | 4 900   | 35,9 | 41,7 | 5 100   |      |      |         | 64,0 |
| 66,0 | 30,4 | 38,7 | 4 500   | 32,8 | 38,3 | 4 700   |      |      |         | 66,0 |
| 68,0 | 27,1 | 34,9 | 4 200   |      |      |         |      |      |         | 68,0 |
| 70,0 | 23,3 | 30,4 | 3 800   |      |      |         |      |      |         | 70,0 |

# 14000 S-3

ASME B30.5



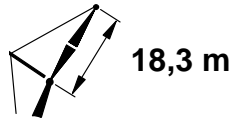
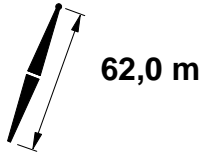
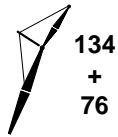
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,7 | 78,4 | 16 500* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,1 | 78,3 | 16 400* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,6 | 77,9 | 16 100* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,1 | 77,4 | 15 800* | 79,7 | 77,0 | 13 800* |      |      |         | 20,0 |
| 22,0 | 75,5 | 76,9 | 15 500* | 78,1 | 76,5 | 13 600* |      |      |         | 22,0 |
| 24,0 | 74,0 | 76,3 | 15 200* | 76,6 | 75,9 | 13 500* | 79,0 | 74,8 | 12 300* | 24,0 |
| 26,0 | 72,4 | 75,6 | 14 900* | 75,0 | 75,2 | 13 300* | 77,4 | 74,2 | 11 800* | 26,0 |
| 28,0 | 70,9 | 74,9 | 14 600* | 73,4 | 74,5 | 13 100* | 75,8 | 73,5 | 11 300* | 28,0 |
| 30,0 | 69,3 | 74,1 | 14 300* | 71,8 | 73,8 | 13 000* | 74,1 | 72,7 | 10 900* | 30,0 |
| 32,0 | 67,7 | 73,3 | 14 100* | 70,2 | 72,9 | 12 900* | 72,5 | 71,8 | 10 500* | 32,0 |
| 34,0 | 66,0 | 72,4 | 13 800* | 68,6 | 72,0 | 12 700* | 70,8 | 70,9 | 10 200* | 34,0 |
| 36,0 | 64,4 | 71,4 | 13 500* | 66,9 | 71,1 | 12 500* | 69,2 | 69,9 | 9 800*  | 36,0 |
| 38,0 | 62,7 | 70,4 | 13 300* | 65,2 | 70,0 | 12 300* | 67,4 | 68,9 | 9 500*  | 38,0 |
| 40,0 | 61,0 | 69,3 | 12 500  | 63,5 | 68,9 | 12 100* | 65,7 | 67,7 | 9 200*  | 40,0 |
| 42,0 | 59,3 | 68,1 | 11 500  | 61,8 | 67,7 | 11 900  | 63,9 | 66,5 | 9 000*  | 42,0 |
| 44,0 | 57,5 | 66,8 | 10 600  | 60,0 | 66,4 | 11 100  | 62,1 | 65,2 | 8 700*  | 44,0 |
| 46,0 | 55,7 | 65,4 | 9 800   | 58,2 | 65,0 | 10 200  | 60,3 | 63,8 | 8 500*  | 46,0 |
| 48,0 | 53,9 | 63,9 | 9 000   | 56,3 | 63,6 | 9 400   | 58,4 | 62,3 | 8 300*  | 48,0 |
| 50,0 | 52,0 | 62,4 | 8 300   | 54,4 | 62,0 | 8 700   | 56,4 | 60,7 | 8 100*  | 50,0 |
| 52,0 | 50,0 | 60,7 | 7 700   | 52,5 | 60,3 | 8 000   | 54,5 | 59,0 | 7 900*  | 52,0 |
| 54,0 | 48,0 | 58,9 | 7 100   | 50,5 | 58,5 | 7 400   | 52,4 | 57,1 | 7 600*  | 54,0 |
| 56,0 | 46,0 | 56,9 | 6 600   | 48,4 | 56,6 | 6 900   | 50,3 | 55,1 | 7 100   | 56,0 |
| 58,0 | 43,8 | 54,8 | 6 100   | 46,2 | 54,5 | 6 300   | 48,0 | 53,0 | 6 500   | 58,0 |
| 60,0 | 41,6 | 52,6 | 5 600   | 44,0 | 52,2 | 5 800   | 45,7 | 50,7 | 6 000   | 60,0 |
| 62,0 | 39,3 | 50,1 | 5 200   | 41,6 | 49,8 | 5 400   | 43,3 | 48,1 | 5 500   | 62,0 |
| 64,0 | 36,8 | 47,5 | 4 700   | 39,1 | 47,1 | 5 000   |      |      |         | 64,0 |
| 66,0 | 34,2 | 44,5 | 4 400   | 36,5 | 44,2 | 4 500   |      |      |         | 66,0 |
| 68,0 | 31,3 | 41,3 | 4 000   | 33,6 | 40,9 | 4 200   |      |      |         | 68,0 |
| 70,0 | 28,2 | 37,6 | 3 600   | 30,5 | 37,2 | 3 800   |      |      |         | 70,0 |
| 72,0 | 24,8 | 33,4 | 3 300   |      |      |         |      |      |         | 72,0 |

# 14000 S-3

ASME B30.5

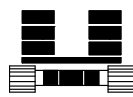
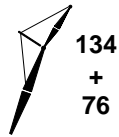


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 79,9 | 81,2 | 16 200* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,0 | 80,9 | 16 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,6 | 80,5 | 15 800* | 80,1 | 80,1 | 13 700* |      |      |         | 20,0 |
| 22,0 | 76,1 | 79,9 | 15 500* | 78,6 | 79,6 | 13 600* |      |      |         | 22,0 |
| 24,0 | 74,6 | 79,4 | 15 200* | 77,1 | 79,0 | 13 400* | 79,4 | 77,9 | 12 400* | 24,0 |
| 26,0 | 73,1 | 78,8 | 14 900* | 75,6 | 78,4 | 13 300* | 77,9 | 77,3 | 11 900* | 26,0 |
| 28,0 | 71,6 | 78,1 | 14 700* | 74,1 | 77,7 | 13 100* | 76,3 | 76,6 | 11 500* | 28,0 |
| 30,0 | 70,1 | 77,3 | 14 400* | 72,5 | 77,0 | 13 000* | 74,8 | 75,9 | 11 100* | 30,0 |
| 32,0 | 68,5 | 76,5 | 14 100* | 71,0 | 76,2 | 12 800* | 73,2 | 75,1 | 10 700* | 32,0 |
| 34,0 | 67,0 | 75,7 | 13 900* | 69,4 | 75,3 | 12 700* | 71,6 | 74,2 | 10 300* | 34,0 |
| 36,0 | 65,4 | 74,8 | 13 600* | 67,8 | 74,4 | 12 500* | 70,0 | 73,3 | 10 000* | 36,0 |
| 38,0 | 63,8 | 73,8 | 13 400* | 66,2 | 73,4 | 12 400* | 68,4 | 72,2 | 9 700*  | 38,0 |
| 40,0 | 62,2 | 72,7 | 12 400  | 64,6 | 72,3 | 12 200* | 66,7 | 71,2 | 9 400*  | 40,0 |
| 42,0 | 60,6 | 71,6 | 11 400  | 63,0 | 71,2 | 11 800  | 65,0 | 70,0 | 9 100*  | 42,0 |
| 44,0 | 58,9 | 70,3 | 10 400  | 61,3 | 70,0 | 10 900  | 63,3 | 68,8 | 8 900*  | 44,0 |
| 46,0 | 57,2 | 69,0 | 9 600   | 59,6 | 68,7 | 10 100  | 61,6 | 67,4 | 8 700*  | 46,0 |
| 48,0 | 55,4 | 67,6 | 8 900   | 57,8 | 67,3 | 9 300   | 59,8 | 66,0 | 8 400*  | 48,0 |
| 50,0 | 53,7 | 66,2 | 8 200   | 56,0 | 65,8 | 8 600   | 58,0 | 64,5 | 8 200*  | 50,0 |
| 52,0 | 51,8 | 64,6 | 7 500   | 54,2 | 64,2 | 7 900   | 56,1 | 62,9 | 8 000*  | 52,0 |
| 54,0 | 50,0 | 62,9 | 7 000   | 52,3 | 62,5 | 7 300   | 54,2 | 61,2 | 7 600   | 54,0 |
| 56,0 | 48,0 | 61,1 | 6 400   | 50,4 | 60,7 | 6 700   | 52,2 | 59,3 | 7 000   | 56,0 |
| 58,0 | 46,1 | 59,1 | 5 900   | 48,4 | 58,8 | 6 200   | 50,2 | 57,3 | 6 400   | 58,0 |
| 60,0 | 44,0 | 57,1 | 5 400   | 46,3 | 56,7 | 5 700   | 48,0 | 55,2 | 5 900   | 60,0 |
| 62,0 | 41,9 | 54,8 | 5 000   | 44,2 | 54,5 | 5 200   | 45,8 | 52,9 | 5 400   | 62,0 |
| 64,0 | 39,6 | 52,4 | 4 600   | 41,9 | 52,0 | 4 800   | 43,5 | 50,4 | 5 000   | 64,0 |
| 66,0 | 37,3 | 49,8 | 4 200   | 39,5 | 49,4 | 4 400   |      |      |         | 66,0 |
| 68,0 | 34,8 | 46,9 | 3 800   | 37,0 | 46,5 | 4 000   |      |      |         | 68,0 |
| 70,0 | 32,1 | 43,8 | 3 500   | 34,3 | 43,4 | 3 700   |      |      |         | 70,0 |
| 72,0 | 29,2 | 40,3 | 3 200   |      |      |         |      |      |         | 72,0 |
| 74,0 | 26,0 | 36,2 | 2 900   |      |      |         |      |      |         | 74,0 |
| 76,0 | 22,4 | 31,6 | 2 600   |      |      |         |      |      |         | 76,0 |

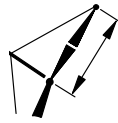
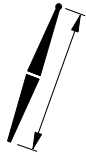


# 14000 S-3

ASME B30.5



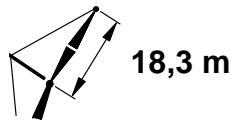
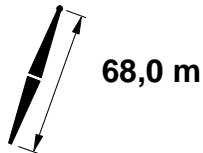
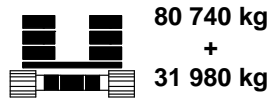
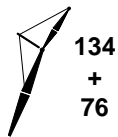
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,3 | 84,2 | 16 100* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,4 | 84,0 | 16 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,0 | 83,6 | 15 700* | 80,4 | 83,2 | 13 700* |      |      |         | 20,0 |
| 22,0 | 76,6 | 83,1 | 15 400* | 79,0 | 82,7 | 13 500* |      |      |         | 22,0 |
| 24,0 | 75,2 | 82,5 | 15 200* | 77,6 | 82,1 | 13 400* | 79,8 | 81,1 | 12 500* | 24,0 |
| 26,0 | 73,7 | 81,9 | 14 900* | 76,1 | 81,5 | 13 200* | 78,3 | 80,5 | 12 100* | 26,0 |
| 28,0 | 72,3 | 81,3 | 14 700* | 74,7 | 80,9 | 13 100* | 76,9 | 79,8 | 11 600* | 28,0 |
| 30,0 | 70,8 | 80,6 | 14 400* | 73,2 | 80,2 | 13 000* | 75,4 | 79,1 | 11 200* | 30,0 |
| 32,0 | 69,4 | 79,8 | 14 200* | 71,7 | 79,4 | 12 800* | 73,9 | 78,3 | 10 800* | 32,0 |
| 34,0 | 67,9 | 79,0 | 13 900* | 70,2 | 78,6 | 12 700* | 72,4 | 77,5 | 10 500* | 34,0 |
| 36,0 | 66,4 | 78,1 | 13 700* | 68,7 | 77,7 | 12 600* | 70,8 | 76,6 | 10 200* | 36,0 |
| 38,0 | 64,8 | 77,1 | 13 300  | 67,2 | 76,8 | 12 400* | 69,3 | 75,6 | 9 800*  | 38,0 |
| 40,0 | 63,3 | 76,1 | 12 200  | 65,6 | 75,8 | 12 200* | 67,7 | 74,6 | 9 600*  | 40,0 |
| 42,0 | 61,7 | 75,0 | 11 200  | 64,1 | 74,7 | 11 800  | 66,1 | 73,5 | 9 300*  | 42,0 |
| 44,0 | 60,1 | 73,9 | 10 300  | 62,5 | 73,5 | 10 700  | 64,5 | 72,3 | 9 000*  | 44,0 |
| 46,0 | 58,5 | 72,6 | 9 400   | 60,8 | 72,3 | 9 900   | 62,8 | 71,0 | 8 800*  | 46,0 |
| 48,0 | 56,9 | 71,3 | 8 700   | 59,2 | 71,0 | 9 100   | 61,1 | 69,7 | 8 600*  | 48,0 |
| 50,0 | 55,2 | 69,9 | 8 000   | 57,5 | 69,6 | 8 400   | 59,4 | 68,3 | 8 400*  | 50,0 |
| 52,0 | 53,5 | 68,4 | 7 400   | 55,8 | 68,1 | 7 700   | 57,6 | 66,8 | 8 100   | 52,0 |
| 54,0 | 51,7 | 66,8 | 6 800   | 54,0 | 66,5 | 7 100   | 55,8 | 65,1 | 7 400   | 54,0 |
| 56,0 | 49,9 | 65,1 | 6 200   | 52,2 | 64,8 | 6 600   | 54,0 | 63,4 | 6 800   | 56,0 |
| 58,0 | 48,1 | 63,3 | 5 700   | 50,3 | 63,0 | 6 000   | 52,1 | 61,6 | 6 300   | 58,0 |
| 60,0 | 46,1 | 61,4 | 5 300   | 48,4 | 61,0 | 5 500   | 50,1 | 59,6 | 5 800   | 60,0 |
| 62,0 | 44,2 | 59,3 | 4 800   | 46,4 | 59,0 | 5 100   | 48,1 | 57,5 | 5 300   | 62,0 |
| 64,0 | 42,1 | 57,1 | 4 400   | 44,3 | 56,8 | 4 700   | 45,9 | 55,2 | 4 800   | 64,0 |
| 66,0 | 40,0 | 54,8 | 4 000   | 42,2 | 54,4 | 4 200   | 43,7 | 52,7 | 4 400   | 66,0 |
| 68,0 | 37,7 | 52,2 | 3 700   | 39,9 | 51,8 | 3 900   |      |      |         | 68,0 |
| 70,0 | 35,4 | 49,4 | 3 300   | 37,5 | 49,0 | 3 500   |      |      |         | 70,0 |
| 72,0 | 32,8 | 46,3 | 3 000   | 35,0 | 45,9 | 3 200   |      |      |         | 72,0 |
| 74,0 | 30,1 | 42,9 | 2 700   | 32,2 | 42,4 | 2 800   |      |      |         | 74,0 |
| 76,0 | 27,1 | 39,1 | 2 400   |      |      |         |      |      |         | 76,0 |
| 78,0 | 23,8 | 34,7 | 2 000*  |      |      |         |      |      |         | 78,0 |

# 14000 S-3

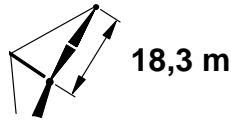
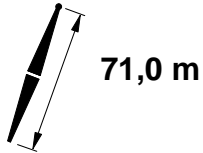
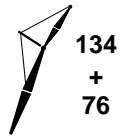
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,6 | 87,3 | 16 100* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,8 | 87,0 | 15 900* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,4 | 86,6 | 15 600* | 80,8 | 86,2 | 13 600* |      |      |         | 20,0 |
| 22,0 | 77,1 | 86,1 | 15 400* | 79,4 | 85,7 | 13 500* |      |      |         | 22,0 |
| 24,0 | 75,7 | 85,6 | 15 100* | 78,0 | 85,2 | 13 300* | 80,2 | 84,1 | 12 500* | 24,0 |
| 26,0 | 74,3 | 85,1 | 14 900* | 76,6 | 84,7 | 13 200* | 78,8 | 83,6 | 12 200* | 26,0 |
| 28,0 | 72,9 | 84,4 | 14 600* | 75,2 | 84,0 | 13 000* | 77,3 | 82,9 | 11 800* | 28,0 |
| 30,0 | 71,5 | 83,7 | 14 400* | 73,8 | 83,4 | 12 900* | 75,9 | 82,3 | 11 400* | 30,0 |
| 32,0 | 70,1 | 83,0 | 14 200* | 72,4 | 82,6 | 12 800* | 74,5 | 81,5 | 11 000* | 32,0 |
| 34,0 | 68,7 | 82,2 | 13 900* | 71,0 | 81,8 | 12 600* | 73,0 | 80,7 | 10 600* | 34,0 |
| 36,0 | 67,2 | 81,4 | 13 700* | 69,5 | 81,0 | 12 500* | 71,5 | 79,8 | 10 300* | 36,0 |
| 38,0 | 65,8 | 80,5 | 13 000  | 68,0 | 80,1 | 12 400* | 70,1 | 78,9 | 10 000* | 38,0 |
| 40,0 | 64,3 | 79,5 | 11 900  | 66,6 | 79,1 | 12 200* | 68,5 | 77,9 | 9 700*  | 40,0 |
| 42,0 | 62,8 | 78,4 | 10 900  | 65,1 | 78,1 | 11 500  | 67,0 | 76,9 | 9 400*  | 42,0 |
| 44,0 | 61,3 | 77,3 | 10 000  | 63,5 | 77,0 | 10 500  | 65,5 | 75,8 | 9 200*  | 44,0 |
| 46,0 | 59,7 | 76,2 | 9 200   | 62,0 | 75,8 | 9 600   | 63,9 | 74,6 | 9 000*  | 46,0 |
| 48,0 | 58,2 | 74,9 | 8 400   | 60,4 | 74,5 | 8 900   | 62,3 | 73,3 | 8 700*  | 48,0 |
| 50,0 | 56,6 | 73,6 | 7 700   | 58,8 | 73,2 | 8 100   | 60,7 | 71,9 | 8 500   | 50,0 |
| 52,0 | 54,9 | 72,2 | 7 100   | 57,2 | 71,8 | 7 500   | 59,0 | 70,5 | 7 800   | 52,0 |
| 54,0 | 53,3 | 70,7 | 6 500   | 55,5 | 70,3 | 6 900   | 57,3 | 69,0 | 7 200   | 54,0 |
| 56,0 | 51,6 | 69,1 | 6 000   | 53,8 | 68,7 | 6 300   | 55,5 | 67,3 | 6 600   | 56,0 |
| 58,0 | 49,8 | 67,4 | 5 500   | 52,0 | 67,0 | 5 800   | 53,8 | 65,6 | 6 000   | 58,0 |
| 60,0 | 48,1 | 65,6 | 5 000   | 50,2 | 65,2 | 5 300   | 51,9 | 63,8 | 5 500   | 60,0 |
| 62,0 | 46,2 | 63,6 | 4 500   | 48,4 | 63,3 | 4 800   | 50,0 | 61,8 | 5 100   | 62,0 |
| 64,0 | 44,3 | 61,6 | 4 100   | 46,5 | 61,2 | 4 400   | 48,0 | 59,7 | 4 600   | 64,0 |
| 66,0 | 42,3 | 59,4 | 3 700   | 44,5 | 59,0 | 4 000   | 46,0 | 57,4 | 4 200   | 66,0 |
| 68,0 | 40,3 | 57,0 | 3 400   | 42,4 | 56,6 | 3 600   | 43,9 | 55,0 | 3 800   | 68,0 |
| 70,0 | 38,1 | 54,5 | 3 000   | 40,2 | 54,1 | 3 300   |      |      |         | 70,0 |
| 72,0 | 35,9 | 51,7 | 2 700   | 38,0 | 51,3 | 2 900   |      |      |         | 72,0 |
| 74,0 | 33,5 | 48,7 | 2 400*  | 35,5 | 48,3 | 2 600   |      |      |         | 74,0 |
| 76,0 | 30,9 | 45,4 | 2 000*  | 33,0 | 45,0 | 2 300*  |      |      |         | 76,0 |

# 14000 S-3

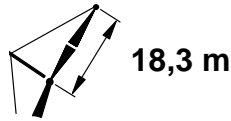
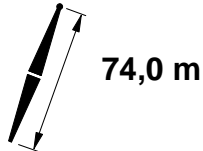
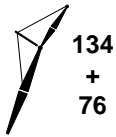
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,9 | 90,3 | 15 900* |      |      |         |      |      |         | 16,8 |
| 18,0 | 80,1 | 90,1 | 15 800* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,8 | 89,7 | 15 500* |      |      |         |      |      |         | 20,0 |
| 22,0 | 77,5 | 89,2 | 15 300* | 79,8 | 88,8 | 13 400* |      |      |         | 22,0 |
| 24,0 | 76,2 | 88,7 | 15 100* | 78,4 | 88,3 | 13 300* |      |      |         | 24,0 |
| 26,0 | 74,9 | 88,2 | 14 800* | 77,1 | 87,8 | 13 100* | 79,2 | 86,7 | 12 400* | 26,0 |
| 28,0 | 73,5 | 87,6 | 14 600* | 75,7 | 87,2 | 13 000* | 77,8 | 86,1 | 11 900* | 28,0 |
| 30,0 | 72,2 | 86,9 | 14 400* | 74,4 | 86,5 | 12 900* | 76,4 | 85,4 | 11 500* | 30,0 |
| 32,0 | 70,8 | 86,2 | 14 200* | 73,0 | 85,8 | 12 700* | 75,0 | 84,7 | 11 100* | 32,0 |
| 34,0 | 69,4 | 85,4 | 13 900* | 71,6 | 85,0 | 12 600* | 73,6 | 83,9 | 10 800* | 34,0 |
| 36,0 | 68,0 | 84,6 | 13 700* | 70,2 | 84,2 | 12 500* | 72,2 | 83,1 | 10 500* | 36,0 |
| 38,0 | 66,6 | 83,7 | 13 100  | 68,8 | 83,4 | 12 400* | 70,8 | 82,2 | 10 100* | 38,0 |
| 40,0 | 65,2 | 82,8 | 11 900  | 67,4 | 82,4 | 12 200* | 69,3 | 81,3 | 9 900*  | 40,0 |
| 42,0 | 63,8 | 81,8 | 10 900  | 66,0 | 81,4 | 11 500  | 67,9 | 80,3 | 9 600*  | 42,0 |
| 44,0 | 62,3 | 80,8 | 10 000  | 64,5 | 80,4 | 10 500  | 66,4 | 79,2 | 9 300*  | 44,0 |
| 46,0 | 60,9 | 79,6 | 9 200   | 63,0 | 79,3 | 9 700   | 64,9 | 78,0 | 9 100*  | 46,0 |
| 48,0 | 59,4 | 78,4 | 8 400   | 61,5 | 78,1 | 8 900   | 63,4 | 76,8 | 8 900*  | 48,0 |
| 50,0 | 57,8 | 77,2 | 7 800   | 60,0 | 76,8 | 8 200   | 61,8 | 75,5 | 8 500   | 50,0 |
| 52,0 | 56,3 | 75,8 | 7 100   | 58,4 | 75,4 | 7 500   | 60,2 | 74,2 | 7 900   | 52,0 |
| 54,0 | 54,7 | 74,4 | 6 500   | 56,9 | 74,0 | 6 900   | 58,6 | 72,7 | 7 200   | 54,0 |
| 56,0 | 53,1 | 72,9 | 6 000   | 55,2 | 72,5 | 6 300   | 57,0 | 71,2 | 6 600   | 56,0 |
| 58,0 | 51,5 | 71,3 | 5 500   | 53,6 | 70,9 | 5 800   | 55,3 | 69,5 | 6 100   | 58,0 |
| 60,0 | 49,8 | 69,6 | 5 000   | 51,9 | 69,2 | 5 300   | 53,6 | 67,8 | 5 600   | 60,0 |
| 62,0 | 48,1 | 67,8 | 4 600   | 50,2 | 67,4 | 4 900   | 51,8 | 66,0 | 5 100   | 62,0 |
| 64,0 | 46,3 | 65,9 | 4 200   | 48,4 | 65,5 | 4 400   | 49,9 | 64,0 | 4 700   | 64,0 |
| 66,0 | 44,4 | 63,8 | 3 800   | 46,5 | 63,4 | 4 000   | 48,0 | 61,9 | 4 200   | 66,0 |
| 68,0 | 42,5 | 61,6 | 3 400   | 44,6 | 61,2 | 3 700   | 46,1 | 59,7 | 3 800   | 68,0 |
| 70,0 | 40,6 | 59,3 | 3 100   | 42,6 | 58,9 | 3 300   | 44,0 | 57,2 | 3 500   | 70,0 |
| 72,0 | 38,5 | 56,8 | 2 800   | 40,5 | 56,4 | 3 000   |      |      |         | 72,0 |
| 74,0 | 36,3 | 54,1 | 2 400*  | 38,4 | 53,7 | 2 600   |      |      |         | 74,0 |
| 76,0 | 34,1 | 51,1 | 2 100*  | 36,1 | 50,7 | 2 300*  |      |      |         | 76,0 |

# 14000 S-3

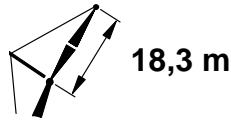
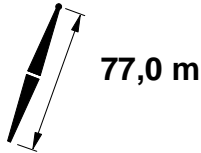
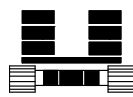
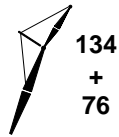
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 18,3 | 80,3 | 93,1 | 15 600* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,2 | 92,8 | 15 400* |      |      |         |      |      |         | 20,0 |
| 22,0 | 77,9 | 92,3 | 15 200* | 80,1 | 91,9 | 13 300* |      |      |         | 22,0 |
| 24,0 | 76,7 | 91,8 | 15 000* | 78,8 | 91,4 | 13 200* |      |      |         | 24,0 |
| 26,0 | 75,4 | 91,3 | 14 700* | 77,5 | 90,9 | 13 100* | 79,5 | 89,8 | 12 300* | 26,0 |
| 28,0 | 74,1 | 90,7 | 14 500* | 76,2 | 90,3 | 12 900* | 78,2 | 89,2 | 12 100* | 28,0 |
| 30,0 | 72,8 | 90,1 | 14 300* | 74,9 | 89,7 | 12 800* | 76,9 | 88,6 | 11 600* | 30,0 |
| 32,0 | 71,5 | 89,4 | 14 100* | 73,6 | 89,0 | 12 700* | 75,6 | 87,9 | 11 300* | 32,0 |
| 34,0 | 70,1 | 88,7 | 13 900* | 72,3 | 88,3 | 12 600* | 74,2 | 87,1 | 10 900* | 34,0 |
| 36,0 | 68,8 | 87,9 | 13 700* | 70,9 | 87,5 | 12 400* | 72,8 | 86,4 | 10 600* | 36,0 |
| 38,0 | 67,5 | 87,0 | 12 900  | 69,6 | 86,7 | 12 300* | 71,5 | 85,5 | 10 300* | 38,0 |
| 40,0 | 66,1 | 86,1 | 11 800  | 68,2 | 85,8 | 12 200* | 70,1 | 84,6 | 10 000* | 40,0 |
| 42,0 | 64,7 | 85,2 | 10 800  | 66,8 | 84,8 | 11 400  | 68,7 | 83,6 | 9 700*  | 42,0 |
| 44,0 | 63,3 | 84,2 | 9 900   | 65,4 | 83,8 | 10 400  | 67,3 | 82,6 | 9 500*  | 44,0 |
| 46,0 | 61,9 | 83,1 | 9 000   | 64,0 | 82,7 | 9 500   | 65,8 | 81,5 | 9 300*  | 46,0 |
| 48,0 | 60,5 | 82,0 | 8 300   | 62,6 | 81,6 | 8 800   | 64,4 | 80,3 | 9 000*  | 48,0 |
| 50,0 | 59,0 | 80,7 | 7 600   | 61,1 | 80,4 | 8 000   | 62,9 | 79,1 | 8 400   | 50,0 |
| 52,0 | 57,6 | 79,5 | 6 900   | 59,6 | 79,1 | 7 400   | 61,4 | 77,8 | 7 700   | 52,0 |
| 54,0 | 56,1 | 78,1 | 6 400   | 58,1 | 77,7 | 6 800   | 59,8 | 76,4 | 7 100   | 54,0 |
| 56,0 | 54,5 | 76,7 | 5 800   | 56,6 | 76,3 | 6 200   | 58,3 | 75,0 | 6 500   | 56,0 |
| 58,0 | 53,0 | 75,1 | 5 300   | 55,0 | 74,8 | 5 700   | 56,7 | 73,4 | 6 000   | 58,0 |
| 60,0 | 51,4 | 73,5 | 4 800   | 53,4 | 73,2 | 5 200   | 55,0 | 71,8 | 5 400   | 60,0 |
| 62,0 | 49,7 | 71,8 | 4 400   | 51,8 | 71,5 | 4 700   | 53,4 | 70,1 | 5 000   | 62,0 |
| 64,0 | 48,1 | 70,0 | 4 000   | 50,1 | 69,7 | 4 300   | 51,7 | 68,2 | 4 500   | 64,0 |
| 66,0 | 46,3 | 68,1 | 3 600   | 48,4 | 67,7 | 3 900   | 49,9 | 66,2 | 4 100   | 66,0 |
| 68,0 | 44,6 | 66,1 | 3 200   | 46,6 | 65,7 | 3 500   | 48,1 | 64,2 | 3 700   | 68,0 |
| 70,0 | 42,7 | 63,9 | 2 900   | 44,7 | 63,5 | 3 200   | 46,2 | 61,9 | 3 300   | 70,0 |
| 72,0 | 40,8 | 61,6 | 2 600   | 42,8 | 61,2 | 2 800   | 44,2 | 59,5 | 3 000   | 72,0 |
| 74,0 | 38,9 | 59,1 | 2 200*  | 40,8 | 58,7 | 2 500*  |      |      |         | 74,0 |
| 76,0 | 36,8 | 56,5 | 1 900*  | 38,8 | 56,1 | 2 100*  |      |      |         | 76,0 |

# 14000 S-3

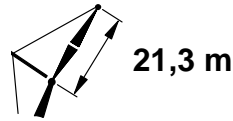
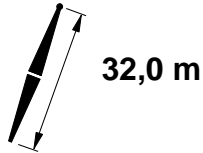
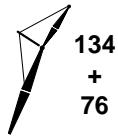
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 18,3 | 80,6 | 96,1 | 15 500* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,5 | 95,8 | 15 300* |      |      |         |      |      |         | 20,0 |
| 22,0 | 78,3 | 95,4 | 15 100* | 80,4 | 95,0 | 13 300* |      |      |         | 22,0 |
| 24,0 | 77,1 | 94,9 | 14 900* | 79,2 | 94,5 | 13 100* |      |      |         | 24,0 |
| 26,0 | 75,8 | 94,4 | 14 700* | 77,9 | 94,0 | 13 000* | 79,9 | 92,9 | 12 300* | 26,0 |
| 28,0 | 74,6 | 93,8 | 14 400* | 76,7 | 93,4 | 12 900* | 78,6 | 92,3 | 12 100* | 28,0 |
| 30,0 | 73,3 | 93,2 | 14 300* | 75,4 | 92,8 | 12 700* | 77,3 | 91,7 | 11 800* | 30,0 |
| 32,0 | 72,1 | 92,6 | 14 100* | 74,1 | 92,2 | 12 600* | 76,0 | 91,0 | 11 400* | 32,0 |
| 34,0 | 70,8 | 91,9 | 13 800* | 72,9 | 91,5 | 12 500* | 74,7 | 90,3 | 11 100* | 34,0 |
| 36,0 | 69,5 | 91,1 | 13 700* | 71,6 | 90,7 | 12 400* | 73,4 | 89,6 | 10 700* | 36,0 |
| 38,0 | 68,2 | 90,3 | 12 800  | 70,3 | 89,9 | 12 300* | 72,1 | 88,7 | 10 400* | 38,0 |
| 40,0 | 66,9 | 89,4 | 11 600  | 68,9 | 89,0 | 12 100* | 70,8 | 87,9 | 10 100* | 40,0 |
| 42,0 | 65,6 | 88,5 | 10 600  | 67,6 | 88,1 | 11 200  | 69,4 | 86,9 | 9 900*  | 42,0 |
| 44,0 | 64,2 | 87,5 | 9 700   | 66,3 | 87,1 | 10 200  | 68,1 | 85,9 | 9 600*  | 44,0 |
| 46,0 | 62,9 | 86,5 | 8 800   | 64,9 | 86,1 | 9 400   | 66,7 | 84,9 | 9 400*  | 46,0 |
| 48,0 | 61,5 | 85,4 | 8 100   | 63,5 | 85,0 | 8 600   | 65,3 | 83,8 | 9 000*  | 48,0 |
| 50,0 | 60,1 | 84,2 | 7 400   | 62,1 | 83,9 | 7 900   | 63,9 | 82,6 | 8 300   | 50,0 |
| 52,0 | 58,7 | 83,0 | 6 800   | 60,7 | 82,6 | 7 200   | 62,4 | 81,4 | 7 600   | 52,0 |
| 54,0 | 57,3 | 81,7 | 6 200   | 59,3 | 81,3 | 6 600   | 61,0 | 80,1 | 6 900   | 54,0 |
| 56,0 | 55,8 | 80,3 | 5 600   | 57,8 | 80,0 | 6 000   | 59,5 | 78,7 | 6 400   | 56,0 |
| 58,0 | 54,3 | 78,9 | 5 100   | 56,3 | 78,5 | 5 500   | 57,9 | 77,2 | 5 800   | 58,0 |
| 60,0 | 52,8 | 77,4 | 4 700   | 54,8 | 77,0 | 5 000   | 56,4 | 75,6 | 5 300   | 60,0 |
| 62,0 | 51,3 | 75,8 | 4 200   | 53,2 | 75,4 | 4 500   | 54,8 | 74,0 | 4 800   | 62,0 |
| 64,0 | 49,7 | 74,1 | 3 800   | 51,7 | 73,7 | 4 100   | 53,2 | 72,3 | 4 400   | 64,0 |
| 66,0 | 48,1 | 72,3 | 3 400   | 50,0 | 71,9 | 3 700   | 51,5 | 70,4 | 3 900   | 66,0 |
| 68,0 | 46,4 | 70,3 | 3 100   | 48,4 | 70,0 | 3 300   | 49,8 | 68,5 | 3 500   | 68,0 |
| 70,0 | 44,7 | 68,3 | 2 700   | 46,6 | 67,9 | 3 000   | 48,1 | 66,4 | 3 200   | 70,0 |
| 72,0 | 42,9 | 66,2 | 2 400*  | 44,9 | 65,8 | 2 600   | 46,2 | 64,2 | 2 800   | 72,0 |
| 74,0 | 41,1 | 63,9 | 2 000*  | 43,0 | 63,5 | 2 300*  | 44,3 | 61,8 | 2 500*  | 74,0 |
| 76,0 |      |      |         | 41,1 | 61,0 | 1 900*  | 42,4 | 59,3 | 2 100*  | 76,0 |

# 14000 S-3

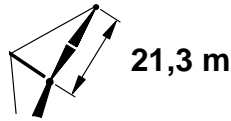
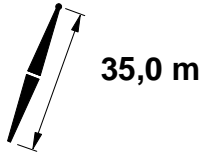
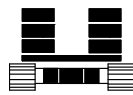
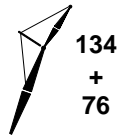
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 79,9 | 54,7 | 13 800* |      |      |         |      |      |         | 12,2 |
| 14,0 | 77,9 | 54,3 | 13 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 75,7 | 53,8 | 13 100* | 79,7 | 53,4 | 12 300* |      |      |         | 16,0 |
| 18,0 | 73,5 | 53,1 | 12 800* | 77,5 | 52,8 | 11 900* |      |      |         | 18,0 |
| 20,0 | 71,2 | 52,5 | 12 400* | 75,2 | 52,1 | 11 600* | 79,4 | 51,1 | 10 600* | 20,0 |
| 22,0 | 68,9 | 51,7 | 12 000* | 72,9 | 51,3 | 11 200* | 77,0 | 50,3 | 9 900*  | 22,0 |
| 24,0 | 66,5 | 50,8 | 11 600* | 70,5 | 50,4 | 10 900* | 74,6 | 49,4 | 9 300*  | 24,0 |
| 26,0 | 64,1 | 49,8 | 11 300* | 68,1 | 49,4 | 10 600* | 72,1 | 48,4 | 8 800*  | 26,0 |
| 28,0 | 61,7 | 48,7 | 10 900* | 65,6 | 48,3 | 10 400* | 69,6 | 47,3 | 8 300*  | 28,0 |
| 30,0 | 59,2 | 47,5 | 10 600* | 63,1 | 47,1 | 10 100* | 67,0 | 46,0 | 7 900*  | 30,0 |
| 32,0 | 56,6 | 46,2 | 10 300* | 60,5 | 45,7 | 9 800*  | 64,3 | 44,7 | 7 500*  | 32,0 |
| 34,0 | 53,9 | 44,7 | 10 000* | 57,8 | 44,3 | 9 400*  | 61,6 | 43,1 | 7 200*  | 34,0 |
| 36,0 | 51,2 | 43,1 | 9 700*  | 55,0 | 42,6 | 8 900*  | 58,7 | 41,5 | 6 900*  | 36,0 |
| 38,0 | 48,3 | 41,3 | 9 500*  | 52,1 | 40,8 | 8 400*  | 55,7 | 39,6 | 6 600*  | 38,0 |
| 40,0 | 45,3 | 39,3 | 9 200*  | 49,0 | 38,8 | 8 000*  | 52,5 | 37,5 | 6 400*  | 40,0 |
| 42,0 | 42,1 | 37,1 | 9 000*  | 45,8 | 36,6 | 7 700*  | 49,1 | 35,2 | 6 200*  | 42,0 |
| 44,0 | 38,6 | 34,6 | 8 700*  | 42,3 | 34,0 | 7 400*  | 45,5 | 32,6 | 6 000*  | 44,0 |
| 46,0 | 34,9 | 31,8 | 8 300*  | 38,5 | 31,2 | 7 100*  |      |      |         | 46,0 |
| 48,0 | 30,8 | 28,5 | 7 900*  | 34,2 | 27,8 | 6 800*  |      |      |         | 48,0 |
| 50,0 | 26,0 | 24,6 | 7 500*  |      |      |         |      |      |         | 50,0 |

# 14000 S-3

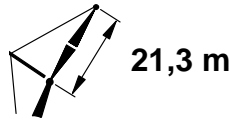
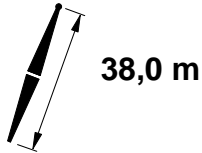
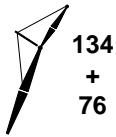
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,5 | 57,7 | 13 800* |      |      |         |      |      |         | 12,2 |
| 14,0 | 78,6 | 57,3 | 13 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 76,5 | 56,9 | 13 200* |      |      |         |      |      |         | 16,0 |
| 18,0 | 74,4 | 56,3 | 12 900* | 78,2 | 55,9 | 12 000* |      |      |         | 18,0 |
| 20,0 | 72,2 | 55,6 | 12 600* | 76,0 | 55,2 | 11 700* | 80,0 | 54,3 | 10 700* | 20,0 |
| 22,0 | 70,1 | 54,9 | 12 200* | 73,8 | 54,5 | 11 300* | 77,7 | 53,5 | 10 100* | 22,0 |
| 24,0 | 67,9 | 54,1 | 11 800* | 71,6 | 53,7 | 11 000* | 75,5 | 52,7 | 9 500*  | 24,0 |
| 26,0 | 65,6 | 53,1 | 11 500* | 69,4 | 52,7 | 10 800* | 73,2 | 51,7 | 9 000*  | 26,0 |
| 28,0 | 63,3 | 52,1 | 11 100* | 67,1 | 51,7 | 10 500* | 70,8 | 50,7 | 8 500*  | 28,0 |
| 30,0 | 61,0 | 51,0 | 10 800* | 64,7 | 50,6 | 10 300* | 68,4 | 49,5 | 8 100*  | 30,0 |
| 32,0 | 58,6 | 49,8 | 10 500* | 62,3 | 49,3 | 10 000* | 66,0 | 48,2 | 7 800*  | 32,0 |
| 34,0 | 56,2 | 48,4 | 10 200* | 59,8 | 48,0 | 9 700*  | 63,4 | 46,8 | 7 400*  | 34,0 |
| 36,0 | 53,6 | 46,9 | 10 000* | 57,3 | 46,5 | 9 300*  | 60,8 | 45,3 | 7 100*  | 36,0 |
| 38,0 | 51,0 | 45,3 | 9 700*  | 54,6 | 44,8 | 8 800*  | 58,1 | 43,6 | 6 800*  | 38,0 |
| 40,0 | 48,3 | 43,5 | 9 500*  | 51,8 | 43,0 | 8 400*  | 55,2 | 41,8 | 6 600*  | 40,0 |
| 42,0 | 45,4 | 41,6 | 9 200*  | 48,9 | 41,0 | 8 000*  | 52,2 | 39,7 | 6 400*  | 42,0 |
| 44,0 | 42,4 | 39,4 | 9 000*  | 45,9 | 38,8 | 7 700*  | 49,1 | 37,4 | 6 200*  | 44,0 |
| 46,0 | 39,2 | 36,9 | 8 800*  | 42,6 | 36,3 | 7 400*  | 45,7 | 34,8 | 6 000*  | 46,0 |
| 48,0 | 35,7 | 34,2 | 8 400*  | 39,1 | 33,5 | 7 100*  |      |      |         | 48,0 |
| 50,0 | 31,9 | 31,1 | 8 000*  | 35,2 | 30,3 | 6 900*  |      |      |         | 50,0 |
| 52,0 | 27,7 | 27,4 | 7 600*  |      |      |         |      |      |         | 52,0 |
| 54,0 | 22,6 | 22,8 | 7 300*  |      |      |         |      |      |         | 54,0 |

# 14000 S-3

ASME B30.5

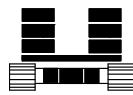
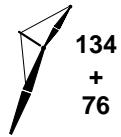


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 12,2 | 80,9 | 60,8 | 13 800* |      |      |         |      |      |         | 12,2 |
| 14,0 | 79,2 | 60,4 | 13 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,2 | 60,0 | 13 200* |      |      |         |      |      |         | 16,0 |
| 18,0 | 75,2 | 59,4 | 13 000* | 78,8 | 59,0 | 12 000* |      |      |         | 18,0 |
| 20,0 | 73,2 | 58,8 | 12 700* | 76,8 | 58,4 | 11 700* | 80,5 | 57,4 | 10 800* | 20,0 |
| 22,0 | 71,1 | 58,1 | 12 300* | 74,7 | 57,7 | 11 400* | 78,4 | 56,7 | 10 300* | 22,0 |
| 24,0 | 69,0 | 57,3 | 12 000* | 72,6 | 56,9 | 11 200* | 76,3 | 55,9 | 9 700*  | 24,0 |
| 26,0 | 66,9 | 56,5 | 11 600* | 70,5 | 56,0 | 10 900* | 74,1 | 55,0 | 9 200*  | 26,0 |
| 28,0 | 64,8 | 55,5 | 11 300* | 68,3 | 55,1 | 10 600* | 71,9 | 54,0 | 8 800*  | 28,0 |
| 30,0 | 62,6 | 54,5 | 11 000* | 66,1 | 54,0 | 10 400* | 69,7 | 53,0 | 8 300*  | 30,0 |
| 32,0 | 60,4 | 53,3 | 10 700* | 63,9 | 52,9 | 10 200* | 67,4 | 51,8 | 8 000*  | 32,0 |
| 34,0 | 58,1 | 52,1 | 10 400* | 61,6 | 51,6 | 9 900*  | 65,0 | 50,5 | 7 600*  | 34,0 |
| 36,0 | 55,8 | 50,7 | 10 200* | 59,2 | 50,2 | 9 600*  | 62,6 | 49,1 | 7 300*  | 36,0 |
| 38,0 | 53,4 | 49,2 | 9 900*  | 56,8 | 48,7 | 9 200*  | 60,1 | 47,5 | 7 000*  | 38,0 |
| 40,0 | 50,9 | 47,6 | 9 700*  | 54,3 | 47,1 | 8 800*  | 57,5 | 45,8 | 6 800*  | 40,0 |
| 42,0 | 48,3 | 45,8 | 9 400*  | 51,7 | 45,3 | 8 400*  | 54,8 | 44,0 | 6 600*  | 42,0 |
| 44,0 | 45,6 | 43,8 | 9 200*  | 48,9 | 43,3 | 8 000*  | 52,0 | 41,9 | 6 300*  | 44,0 |
| 46,0 | 42,7 | 41,7 | 9 000*  | 46,0 | 41,1 | 7 700*  | 49,0 | 39,7 | 6 200*  | 46,0 |
| 48,0 | 39,7 | 39,3 | 8 800*  | 43,0 | 38,7 | 7 400*  | 45,8 | 37,1 | 6 000*  | 48,0 |
| 50,0 | 36,5 | 36,6 | 8 500*  | 39,7 | 35,9 | 7 100*  | 42,4 | 34,3 | 5 800*  | 50,0 |
| 52,0 | 33,0 | 33,6 | 8 100*  | 36,1 | 32,8 | 6 900*  |      |      |         | 52,0 |
| 54,0 | 29,1 | 30,1 | 7 700*  | 32,1 | 29,2 | 6 700*  |      |      |         | 54,0 |
| 56,0 | 24,6 | 25,9 | 7 400*  |      |      |         |      |      |         | 56,0 |

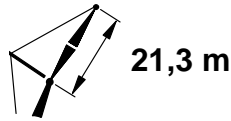
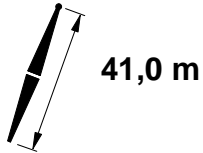


# 14000 S-3

ASME B30.5



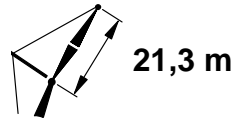
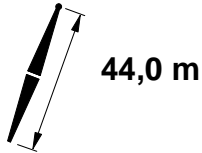
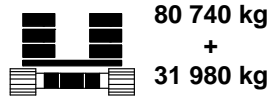
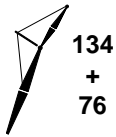
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,0 | 63,5 | 13 600* |      |      |         |      |      |         | 13,7 |
| 14,0 | 79,7 | 63,5 | 13 600* |      |      |         |      |      |         | 14,0 |
| 16,0 | 77,8 | 63,0 | 13 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 75,9 | 62,5 | 13 000* | 79,4 | 62,1 | 12 100* |      |      |         | 18,0 |
| 20,0 | 74,0 | 61,9 | 12 700* | 77,4 | 61,5 | 11 800* |      |      |         | 20,0 |
| 22,0 | 72,1 | 61,3 | 12 500* | 75,5 | 60,9 | 11 500* | 79,0 | 59,8 | 10 500* | 22,0 |
| 24,0 | 70,1 | 60,5 | 12 100* | 73,5 | 60,1 | 11 200* | 77,0 | 59,1 | 9 900*  | 24,0 |
| 26,0 | 68,1 | 59,7 | 11 800* | 71,5 | 59,3 | 11 000* | 75,0 | 58,3 | 9 400*  | 26,0 |
| 28,0 | 66,1 | 58,8 | 11 500* | 69,5 | 58,4 | 10 700* | 72,9 | 57,3 | 9 000*  | 28,0 |
| 30,0 | 64,0 | 57,9 | 11 200* | 67,4 | 57,4 | 10 500* | 70,8 | 56,3 | 8 500*  | 30,0 |
| 32,0 | 62,0 | 56,8 | 10 900* | 65,3 | 56,3 | 10 300* | 68,6 | 55,2 | 8 200*  | 32,0 |
| 34,0 | 59,8 | 55,6 | 10 600* | 63,2 | 55,1 | 10 100* | 66,4 | 54,0 | 7 800*  | 34,0 |
| 36,0 | 57,6 | 54,3 | 10 300* | 61,0 | 53,9 | 9 800*  | 64,2 | 52,7 | 7 500*  | 36,0 |
| 38,0 | 55,4 | 52,9 | 10 100* | 58,7 | 52,5 | 9 500*  | 61,9 | 51,3 | 7 200*  | 38,0 |
| 40,0 | 53,1 | 51,4 | 9 900*  | 56,4 | 50,9 | 9 100*  | 59,5 | 49,7 | 7 000*  | 40,0 |
| 42,0 | 50,7 | 49,8 | 9 600*  | 54,0 | 49,3 | 8 700*  | 57,0 | 48,0 | 6 700*  | 42,0 |
| 44,0 | 48,3 | 48,0 | 9 400*  | 51,5 | 47,5 | 8 400*  | 54,5 | 46,1 | 6 500*  | 44,0 |
| 46,0 | 45,7 | 46,1 | 9 200*  | 48,9 | 45,5 | 8 000*  | 51,8 | 44,1 | 6 300*  | 46,0 |
| 48,0 | 43,0 | 43,9 | 9 000*  | 46,1 | 43,3 | 7 700*  | 49,0 | 41,9 | 6 200*  | 48,0 |
| 50,0 | 40,2 | 41,6 | 8 800*  | 43,3 | 40,9 | 7 400*  | 46,0 | 39,4 | 6 000*  | 50,0 |
| 52,0 | 37,1 | 38,9 | 8 500*  | 40,2 | 38,3 | 7 200*  |      |      |         | 52,0 |
| 54,0 | 33,9 | 36,0 | 8 200*  | 36,8 | 35,3 | 7 000*  |      |      |         | 54,0 |
| 56,0 | 30,3 | 32,7 | 7 800   | 33,2 | 31,8 | 6 700*  |      |      |         | 56,0 |
| 58,0 | 26,2 | 28,7 | 7 300   |      |      |         |      |      |         | 58,0 |

# 14000 S-3

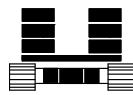
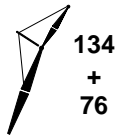
ASME B30.5



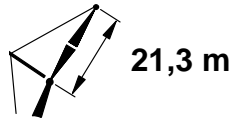
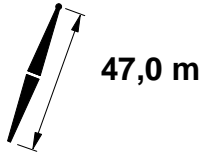
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 13,7 | 80,4 | 66,6 | 13 600* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,2 | 66,6 | 13 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,4 | 66,1 | 13 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 76,6 | 65,7 | 13 000* | 79,9 | 65,2 | 12 100* |      |      |         | 18,0 |
| 20,0 | 74,8 | 65,1 | 12 800* | 78,0 | 64,7 | 11 900* |      |      |         | 20,0 |
| 22,0 | 72,9 | 64,5 | 12 500* | 76,2 | 64,0 | 11 600* | 79,6 | 63,0 | 10 600* | 22,0 |
| 24,0 | 71,1 | 63,8 | 12 200* | 74,3 | 63,3 | 11 300* | 77,7 | 62,3 | 10 100* | 24,0 |
| 26,0 | 69,2 | 63,0 | 11 900* | 72,4 | 62,6 | 11 100* | 75,7 | 61,5 | 9 600*  | 26,0 |
| 28,0 | 67,3 | 62,2 | 11 600* | 70,5 | 61,7 | 10 800* | 73,8 | 60,6 | 9 100*  | 28,0 |
| 30,0 | 65,3 | 61,2 | 11 300* | 68,6 | 60,8 | 10 600* | 71,8 | 59,7 | 8 700*  | 30,0 |
| 32,0 | 63,4 | 60,2 | 11 000* | 66,6 | 59,8 | 10 400* | 69,8 | 58,6 | 8 400*  | 32,0 |
| 34,0 | 61,4 | 59,1 | 10 800* | 64,6 | 58,6 | 10 200* | 67,7 | 57,5 | 8 000*  | 34,0 |
| 36,0 | 59,3 | 57,9 | 10 500* | 62,5 | 57,4 | 10 000* | 65,6 | 56,3 | 7 700*  | 36,0 |
| 38,0 | 57,2 | 56,6 | 10 300* | 60,4 | 56,1 | 9 800*  | 63,5 | 54,9 | 7 400*  | 38,0 |
| 40,0 | 55,1 | 55,2 | 10 000* | 58,2 | 54,7 | 9 500*  | 61,2 | 53,5 | 7 200*  | 40,0 |
| 42,0 | 52,9 | 53,7 | 9 800*  | 56,0 | 53,2 | 9 000*  | 59,0 | 51,9 | 6 900*  | 42,0 |
| 44,0 | 50,6 | 52,1 | 9 600*  | 53,7 | 51,5 | 8 700*  | 56,6 | 50,2 | 6 700*  | 44,0 |
| 46,0 | 48,3 | 50,3 | 9 400*  | 51,3 | 49,7 | 8 300*  | 54,2 | 48,4 | 6 500*  | 46,0 |
| 48,0 | 45,8 | 48,3 | 9 200*  | 48,9 | 47,8 | 8 000*  | 51,6 | 46,3 | 6 300*  | 48,0 |
| 50,0 | 43,3 | 46,2 | 9 000*  | 46,3 | 45,6 | 7 700*  | 48,9 | 44,1 | 6 200*  | 50,0 |
| 52,0 | 40,6 | 43,9 | 8 800*  | 43,5 | 43,2 | 7 500*  | 46,1 | 41,7 | 6 000*  | 52,0 |
| 54,0 | 37,7 | 41,3 | 8 200*  | 40,6 | 40,6 | 7 200*  | 43,1 | 38,9 | 5 900*  | 54,0 |
| 56,0 | 34,7 | 38,5 | 7 600*  | 37,5 | 37,7 | 7 000*  |      |      |         | 56,0 |
| 58,0 | 31,3 | 35,2 | 7 100*  | 34,1 | 34,4 | 6 800*  |      |      |         | 58,0 |
| 60,0 | 27,6 | 31,5 | 6 700*  |      |      |         |      |      |         | 60,0 |
| 62,0 | 23,4 | 27,1 | 6 200*  |      |      |         |      |      |         | 62,0 |

# 14000 S-3

ASME B30.5



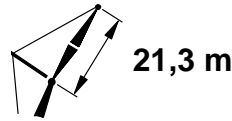
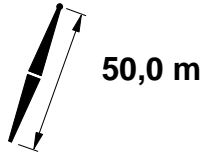
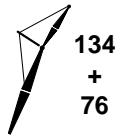
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 13,7 | 80,9 | 69,7 | 13 500* |      |      |         |      |      |         | 13,7 |
| 14,0 | 80,6 | 69,6 | 13 500* |      |      |         |      |      |         | 14,0 |
| 16,0 | 78,9 | 69,2 | 13 300* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,2 | 68,7 | 13 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 75,4 | 68,2 | 12 800* | 78,6 | 67,8 | 11 900* |      |      |         | 20,0 |
| 22,0 | 73,7 | 67,6 | 12 500* | 76,8 | 67,2 | 11 600* | 80,0 | 66,1 | 10 700* | 22,0 |
| 24,0 | 71,9 | 66,9 | 12 300* | 75,0 | 66,5 | 11 400* | 78,2 | 65,4 | 10 300* | 24,0 |
| 26,0 | 70,1 | 66,2 | 12 000* | 73,2 | 65,8 | 11 100* | 76,4 | 64,7 | 9 800*  | 26,0 |
| 28,0 | 68,3 | 65,4 | 11 700* | 71,4 | 65,0 | 10 900* | 74,6 | 63,9 | 9 300*  | 28,0 |
| 30,0 | 66,5 | 64,5 | 11 400* | 69,6 | 64,1 | 10 700* | 72,7 | 63,0 | 8 900*  | 30,0 |
| 32,0 | 64,6 | 63,6 | 11 100* | 67,7 | 63,1 | 10 500* | 70,8 | 62,0 | 8 500*  | 32,0 |
| 34,0 | 62,7 | 62,5 | 10 900* | 65,8 | 62,1 | 10 300* | 68,8 | 60,9 | 8 200*  | 34,0 |
| 36,0 | 60,8 | 61,4 | 10 600* | 63,9 | 60,9 | 10 100* | 66,8 | 59,8 | 7 900*  | 36,0 |
| 38,0 | 58,9 | 60,2 | 10 400* | 61,9 | 59,7 | 9 900*  | 64,8 | 58,5 | 7 600*  | 38,0 |
| 40,0 | 56,9 | 58,9 | 10 200* | 59,9 | 58,4 | 9 700*  | 62,8 | 57,2 | 7 300*  | 40,0 |
| 42,0 | 54,8 | 57,5 | 10 000* | 57,8 | 56,9 | 9 400*  | 60,6 | 55,7 | 7 100*  | 42,0 |
| 44,0 | 52,7 | 55,9 | 9 800*  | 55,6 | 55,4 | 9 000*  | 58,5 | 54,1 | 6 900*  | 44,0 |
| 46,0 | 50,5 | 54,3 | 9 600*  | 53,4 | 53,7 | 8 600*  | 56,2 | 52,4 | 6 700*  | 46,0 |
| 48,0 | 48,3 | 52,5 | 9 400*  | 51,2 | 51,9 | 8 300*  | 53,9 | 50,5 | 6 500*  | 48,0 |
| 50,0 | 45,9 | 50,6 | 9 200*  | 48,8 | 50,0 | 8 000*  | 51,4 | 48,5 | 6 300*  | 50,0 |
| 52,0 | 43,5 | 48,5 | 8 600   | 46,3 | 47,8 | 7 700*  | 48,9 | 46,3 | 6 100*  | 52,0 |
| 54,0 | 40,9 | 46,2 | 8 000   | 43,8 | 45,5 | 7 500*  | 46,2 | 43,9 | 6 000*  | 54,0 |
| 56,0 | 38,2 | 43,6 | 7 500   | 41,0 | 42,9 | 7 300*  | 43,3 | 41,2 | 5 900*  | 56,0 |
| 58,0 | 35,4 | 40,8 | 6 900   | 38,1 | 40,1 | 7 000*  |      |      |         | 58,0 |
| 60,0 | 32,3 | 37,7 | 6 500   | 34,9 | 36,9 | 6 700   |      |      |         | 60,0 |
| 62,0 | 28,8 | 34,2 | 6 000   | 31,4 | 33,3 | 6 200   |      |      |         | 62,0 |
| 64,0 | 25,0 | 30,0 | 5 600   |      |      |         |      |      |         | 64,0 |

# 14000 S-3

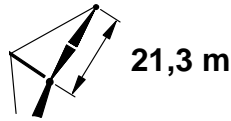
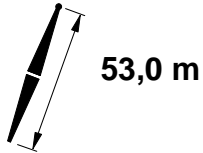
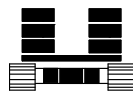
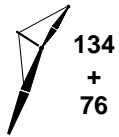
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 80,0 | 72,4 | 13 300* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,4 | 72,3 | 13 200* |      |      |         |      |      |         | 16,0 |
| 18,0 | 77,7 | 71,8 | 13 000* |      |      |         |      |      |         | 18,0 |
| 20,0 | 76,1 | 71,3 | 12 800* | 79,1 | 70,9 | 11 900* |      |      |         | 20,0 |
| 22,0 | 74,4 | 70,7 | 12 500* | 77,4 | 70,3 | 11 700* |      |      |         | 22,0 |
| 24,0 | 72,7 | 70,1 | 12 300* | 75,7 | 69,7 | 11 400* | 78,8 | 68,6 | 10 400* | 24,0 |
| 26,0 | 71,0 | 69,4 | 12 000* | 74,0 | 69,0 | 11 200* | 77,0 | 67,9 | 9 900*  | 26,0 |
| 28,0 | 69,3 | 68,6 | 11 800* | 72,3 | 68,2 | 11 000* | 75,3 | 67,1 | 9 500*  | 28,0 |
| 30,0 | 67,5 | 67,8 | 11 500* | 70,5 | 67,3 | 10 800* | 73,5 | 66,2 | 9 100*  | 30,0 |
| 32,0 | 65,8 | 66,9 | 11 300* | 68,7 | 66,4 | 10 600* | 71,7 | 65,3 | 8 700*  | 32,0 |
| 34,0 | 64,0 | 65,9 | 11 000* | 66,9 | 65,4 | 10 400* | 69,8 | 64,3 | 8 400*  | 34,0 |
| 36,0 | 62,2 | 64,8 | 10 800* | 65,1 | 64,4 | 10 200* | 68,0 | 63,2 | 8 100*  | 36,0 |
| 38,0 | 60,3 | 63,7 | 10 500* | 63,2 | 63,2 | 10 000* | 66,1 | 62,0 | 7 800*  | 38,0 |
| 40,0 | 58,4 | 62,5 | 10 300* | 61,3 | 62,0 | 9 800*  | 64,1 | 60,7 | 7 500*  | 40,0 |
| 42,0 | 56,5 | 61,1 | 10 100* | 59,4 | 60,6 | 9 600*  | 62,1 | 59,4 | 7 300*  | 42,0 |
| 44,0 | 54,5 | 59,7 | 9 900*  | 57,4 | 59,2 | 9 300*  | 60,1 | 57,9 | 7 000*  | 44,0 |
| 46,0 | 52,5 | 58,2 | 9 700*  | 55,3 | 57,6 | 8 900*  | 58,0 | 56,3 | 6 800*  | 46,0 |
| 48,0 | 50,4 | 56,5 | 9 500*  | 53,2 | 55,9 | 8 600*  | 55,8 | 54,6 | 6 600*  | 48,0 |
| 50,0 | 48,2 | 54,7 | 9 100   | 51,0 | 54,1 | 8 300*  | 53,6 | 52,7 | 6 500*  | 50,0 |
| 52,0 | 46,0 | 52,8 | 8 400   | 48,8 | 52,2 | 8 000*  | 51,3 | 50,7 | 6 300*  | 52,0 |
| 54,0 | 43,7 | 50,7 | 7 800   | 46,4 | 50,1 | 7 700*  | 48,8 | 48,5 | 6 100*  | 54,0 |
| 56,0 | 41,3 | 48,4 | 7 300   | 44,0 | 47,8 | 7 500   | 46,3 | 46,2 | 6 000*  | 56,0 |
| 58,0 | 38,7 | 45,9 | 6 800   | 41,4 | 45,2 | 7 000   | 43,6 | 43,5 | 5 900*  | 58,0 |
| 60,0 | 36,0 | 43,2 | 6 300   | 38,6 | 42,5 | 6 500   |      |      |         | 60,0 |
| 62,0 | 33,1 | 40,2 | 5 900   | 35,6 | 39,4 | 6 100   |      |      |         | 62,0 |
| 64,0 | 29,9 | 36,8 | 5 500   | 32,4 | 35,9 | 5 600   |      |      |         | 64,0 |
| 66,0 | 26,3 | 32,8 | 5 100   |      |      |         |      |      |         | 66,0 |
| 68,0 | 22,3 | 28,2 | 4 700   |      |      |         |      |      |         | 68,0 |

# 14000 S-3

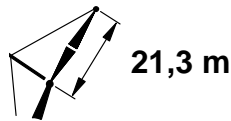
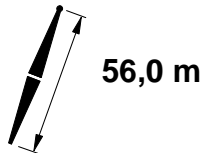
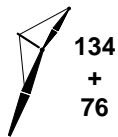
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 15,2 | 80,4 | 75,5 | 13 200* |      |      |         |      |      |         | 15,2 |
| 16,0 | 79,8 | 75,3 | 13 100* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,2 | 74,9 | 12 900* |      |      |         |      |      |         | 18,0 |
| 20,0 | 76,6 | 74,4 | 12 700* | 79,5 | 74,0 | 11 900* |      |      |         | 20,0 |
| 22,0 | 75,0 | 73,9 | 12 500* | 77,9 | 73,4 | 11 700* |      |      |         | 22,0 |
| 24,0 | 73,4 | 73,3 | 12 200* | 76,3 | 72,8 | 11 500* | 79,3 | 71,7 | 10 500* | 24,0 |
| 26,0 | 71,8 | 72,6 | 12 000* | 74,7 | 72,2 | 11 200* | 77,6 | 71,1 | 10 100* | 26,0 |
| 28,0 | 70,2 | 71,9 | 11 800* | 73,0 | 71,4 | 11 000* | 75,9 | 70,3 | 9 600*  | 28,0 |
| 30,0 | 68,5 | 71,1 | 11 600* | 71,3 | 70,6 | 10 800* | 74,2 | 69,5 | 9 200*  | 30,0 |
| 32,0 | 66,8 | 70,2 | 11 300* | 69,7 | 69,7 | 10 600* | 72,5 | 68,6 | 8 900*  | 32,0 |
| 34,0 | 65,1 | 69,3 | 11 100* | 67,9 | 68,8 | 10 400* | 70,8 | 67,6 | 8 500*  | 34,0 |
| 36,0 | 63,4 | 68,3 | 10 900* | 66,2 | 67,8 | 10 300* | 69,0 | 66,6 | 8 200*  | 36,0 |
| 38,0 | 61,6 | 67,2 | 10 700* | 64,4 | 66,7 | 10 100* | 67,2 | 65,5 | 7 900*  | 38,0 |
| 40,0 | 59,9 | 66,0 | 10 400* | 62,6 | 65,5 | 9 900*  | 65,3 | 64,3 | 7 700*  | 40,0 |
| 42,0 | 58,0 | 64,8 | 10 200* | 60,8 | 64,2 | 9 800*  | 63,5 | 63,0 | 7 400*  | 42,0 |
| 44,0 | 56,2 | 63,4 | 10 000* | 58,9 | 62,9 | 9 600*  | 61,6 | 61,6 | 7 200*  | 44,0 |
| 46,0 | 54,3 | 62,0 | 9 800*  | 57,0 | 61,4 | 9 200*  | 59,6 | 60,1 | 7 000*  | 46,0 |
| 48,0 | 52,3 | 60,4 | 9 600*  | 55,0 | 59,9 | 8 900*  | 57,6 | 58,5 | 6 800*  | 48,0 |
| 50,0 | 50,3 | 58,8 | 8 900   | 53,0 | 58,2 | 8 600*  | 55,5 | 56,8 | 6 600*  | 50,0 |
| 52,0 | 48,3 | 57,0 | 8 200   | 50,9 | 56,4 | 8 300*  | 53,4 | 55,0 | 6 400*  | 52,0 |
| 54,0 | 46,1 | 55,0 | 7 700   | 48,8 | 54,4 | 7 900*  | 51,1 | 53,0 | 6 300*  | 54,0 |
| 56,0 | 43,9 | 53,0 | 7 100   | 46,5 | 52,3 | 7 400   | 48,8 | 50,8 | 6 100*  | 56,0 |
| 58,0 | 41,6 | 50,7 | 6 600   | 44,2 | 50,1 | 6 800   | 46,4 | 48,4 | 6 000*  | 58,0 |
| 60,0 | 39,1 | 48,3 | 6 100   | 41,7 | 47,6 | 6 400   | 43,8 | 45,9 | 5 900*  | 60,0 |
| 62,0 | 36,6 | 45,6 | 5 700   | 39,1 | 44,9 | 5 900   |      |      |         | 62,0 |
| 64,0 | 33,8 | 42,7 | 5 300   | 36,3 | 41,9 | 5 500   |      |      |         | 64,0 |
| 66,0 | 30,9 | 39,4 | 4 900   | 33,2 | 38,5 | 5 100   |      |      |         | 66,0 |
| 68,0 | 27,6 | 35,6 | 4 500   |      |      |         |      |      |         | 68,0 |
| 70,0 | 23,9 | 31,3 | 4 200   |      |      |         |      |      |         | 70,0 |

# 14000 S-3

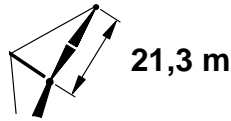
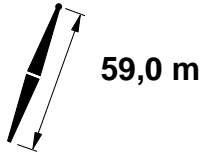
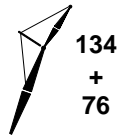
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 15,2 | 80,8 | 78,5 | 13 100* |      |      |         |      |      |         | 15,2 |
| 16,0 | 80,2 | 78,4 | 13 000* |      |      |         |      |      |         | 16,0 |
| 18,0 | 78,7 | 78,0 | 12 900* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,2 | 77,5 | 12 700* | 80,0 | 77,1 | 11 900* |      |      |         | 20,0 |
| 22,0 | 75,6 | 77,0 | 12 400* | 78,4 | 76,5 | 11 700* |      |      |         | 22,0 |
| 24,0 | 74,1 | 76,4 | 12 200* | 76,9 | 75,9 | 11 500* | 79,7 | 74,8 | 10 600* | 24,0 |
| 26,0 | 72,5 | 75,8 | 12 000* | 75,3 | 75,3 | 11 300* | 78,1 | 74,2 | 10 200* | 26,0 |
| 28,0 | 71,0 | 75,1 | 11 800* | 73,7 | 74,6 | 11 100* | 76,5 | 73,5 | 9 800*  | 28,0 |
| 30,0 | 69,4 | 74,3 | 11 600* | 72,1 | 73,8 | 10 900* | 74,9 | 72,7 | 9 400*  | 30,0 |
| 32,0 | 67,8 | 73,5 | 11 300* | 70,5 | 73,0 | 10 700* | 73,2 | 71,9 | 9 000*  | 32,0 |
| 34,0 | 66,2 | 72,6 | 11 100* | 68,9 | 72,1 | 10 500* | 71,6 | 70,9 | 8 700*  | 34,0 |
| 36,0 | 64,5 | 71,6 | 10 900* | 67,2 | 71,1 | 10 300* | 69,9 | 70,0 | 8 400*  | 36,0 |
| 38,0 | 62,8 | 70,6 | 10 800* | 65,5 | 70,1 | 10 200* | 68,2 | 68,9 | 8 100*  | 38,0 |
| 40,0 | 61,2 | 69,5 | 10 600* | 63,8 | 69,0 | 10 000* | 66,4 | 67,8 | 7 800*  | 40,0 |
| 42,0 | 59,4 | 68,3 | 10 400* | 62,1 | 67,8 | 9 800*  | 64,7 | 66,5 | 7 600*  | 42,0 |
| 44,0 | 57,7 | 67,0 | 10 200* | 60,3 | 66,5 | 9 700*  | 62,9 | 65,2 | 7 400*  | 44,0 |
| 46,0 | 55,9 | 65,7 | 9 900*  | 58,5 | 65,1 | 9 500*  | 61,0 | 63,8 | 7 100*  | 46,0 |
| 48,0 | 54,0 | 64,2 | 9 400   | 56,7 | 63,7 | 9 200*  | 59,1 | 62,3 | 6 900*  | 48,0 |
| 50,0 | 52,2 | 62,6 | 8 600   | 54,8 | 62,1 | 8 800*  | 57,2 | 60,7 | 6 800*  | 50,0 |
| 52,0 | 50,2 | 61,0 | 8 000   | 52,8 | 60,4 | 8 400   | 55,2 | 59,0 | 6 600*  | 52,0 |
| 54,0 | 48,2 | 59,2 | 7 400   | 50,8 | 58,6 | 7 700   | 53,1 | 57,1 | 6 400*  | 54,0 |
| 56,0 | 46,2 | 57,3 | 6 900   | 48,7 | 56,7 | 7 200   | 51,0 | 55,1 | 6 300*  | 56,0 |
| 58,0 | 44,1 | 55,2 | 6 400   | 46,6 | 54,6 | 6 600   | 48,8 | 53,0 | 6 100*  | 58,0 |
| 60,0 | 41,8 | 53,0 | 5 900   | 44,3 | 52,3 | 6 200   | 46,5 | 50,7 | 6 000*  | 60,0 |
| 62,0 | 39,5 | 50,6 | 5 500   | 42,0 | 49,9 | 5 700   | 44,0 | 48,1 | 5 800   | 62,0 |
| 64,0 | 37,1 | 47,9 | 5 100   | 39,5 | 47,2 | 5 300   | 41,4 | 45,4 | 5 400   | 64,0 |
| 66,0 | 34,5 | 45,1 | 4 700   | 36,8 | 44,3 | 4 900   |      |      |         | 66,0 |
| 68,0 | 31,7 | 41,9 | 4 300   | 34,0 | 41,0 | 4 500   |      |      |         | 68,0 |
| 70,0 | 28,6 | 38,3 | 4 000   | 30,9 | 37,3 | 4 100   |      |      |         | 70,0 |
| 72,0 | 25,2 | 34,2 | 3 600   |      |      |         |      |      |         | 72,0 |
| 74,0 | 21,3 | 29,3 | 3 300   |      |      |         |      |      |         | 74,0 |

# 14000 S-3

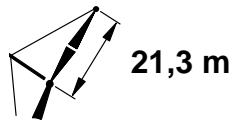
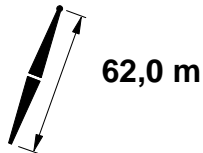
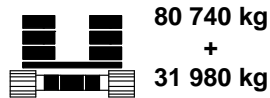
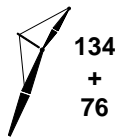
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,0 | 81,3 | 12 900* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,1 | 81,1 | 12 800* |      |      |         |      |      |         | 18,0 |
| 20,0 | 77,7 | 80,6 | 12 600* | 80,3 | 80,2 | 11 900* |      |      |         | 20,0 |
| 22,0 | 76,2 | 80,1 | 12 400* | 78,9 | 79,6 | 11 700* |      |      |         | 22,0 |
| 24,0 | 74,7 | 79,5 | 12 200* | 77,4 | 79,1 | 11 500* | 80,1 | 78,0 | 10 600* | 24,0 |
| 26,0 | 73,2 | 78,9 | 11 900* | 75,9 | 78,5 | 11 300* | 78,6 | 77,3 | 10 300* | 26,0 |
| 28,0 | 71,7 | 78,3 | 11 700* | 74,4 | 77,8 | 11 100* | 77,0 | 76,7 | 9 900*  | 28,0 |
| 30,0 | 70,2 | 77,5 | 11 500* | 72,8 | 77,1 | 10 900* | 75,5 | 75,9 | 9 500*  | 30,0 |
| 32,0 | 68,7 | 76,7 | 11 300* | 71,3 | 76,3 | 10 700* | 73,9 | 75,1 | 9 200*  | 32,0 |
| 34,0 | 67,1 | 75,9 | 11 100* | 69,7 | 75,4 | 10 600* | 72,3 | 74,2 | 8 800*  | 34,0 |
| 36,0 | 65,5 | 75,0 | 11 000* | 68,1 | 74,5 | 10 400* | 70,7 | 73,3 | 8 500*  | 36,0 |
| 38,0 | 64,0 | 74,0 | 10 700* | 66,5 | 73,5 | 10 200* | 69,1 | 72,3 | 8 200*  | 38,0 |
| 40,0 | 62,3 | 72,9 | 10 600* | 64,9 | 72,4 | 10 100* | 67,5 | 71,2 | 8 000*  | 40,0 |
| 42,0 | 60,7 | 71,8 | 10 400* | 63,3 | 71,3 | 9 900*  | 65,8 | 70,1 | 7 700*  | 42,0 |
| 44,0 | 59,0 | 70,6 | 10 200* | 61,6 | 70,1 | 9 800*  | 64,1 | 68,8 | 7 500*  | 44,0 |
| 46,0 | 57,3 | 69,3 | 9 900   | 59,9 | 68,8 | 9 600*  | 62,3 | 67,5 | 7 300*  | 46,0 |
| 48,0 | 55,6 | 67,9 | 9 100   | 58,1 | 67,4 | 9 400*  | 60,5 | 66,1 | 7 100*  | 48,0 |
| 50,0 | 53,8 | 66,5 | 8 500   | 56,3 | 65,9 | 8 900   | 58,7 | 64,6 | 6 900*  | 50,0 |
| 52,0 | 52,0 | 64,9 | 7 800   | 54,5 | 64,3 | 8 200   | 56,8 | 63,0 | 6 700*  | 52,0 |
| 54,0 | 50,2 | 63,2 | 7 200   | 52,6 | 62,6 | 7 600   | 54,9 | 61,2 | 6 600*  | 54,0 |
| 56,0 | 48,3 | 61,4 | 6 700   | 50,7 | 60,8 | 7 000   | 52,9 | 59,4 | 6 400*  | 56,0 |
| 58,0 | 46,3 | 59,5 | 6 200   | 48,7 | 58,9 | 6 500   | 50,9 | 57,4 | 6 300*  | 58,0 |
| 60,0 | 44,2 | 57,5 | 5 700   | 46,7 | 56,8 | 6 000   | 48,8 | 55,3 | 6 100*  | 60,0 |
| 62,0 | 42,1 | 55,3 | 5 300   | 44,5 | 54,6 | 5 500   | 46,6 | 53,0 | 5 800   | 62,0 |
| 64,0 | 39,9 | 52,9 | 4 900   | 42,3 | 52,2 | 5 100   | 44,2 | 50,5 | 5 300   | 64,0 |
| 66,0 | 37,6 | 50,3 | 4 500   | 39,9 | 49,6 | 4 700   |      |      |         | 66,0 |
| 68,0 | 35,1 | 47,5 | 4 100   | 37,4 | 46,7 | 4 300   |      |      |         | 68,0 |
| 70,0 | 32,5 | 44,4 | 3 800   | 34,7 | 43,5 | 3 900   |      |      |         | 70,0 |
| 72,0 | 29,6 | 40,9 | 3 500   | 31,8 | 40,0 | 3 600   |      |      |         | 72,0 |
| 74,0 | 26,5 | 37,0 | 3 100   |      |      |         |      |      |         | 74,0 |
| 76,0 | 22,9 | 32,5 | 2 900   |      |      |         |      |      |         | 76,0 |

# 14000 S-3

ASME B30.5

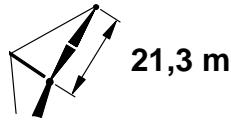
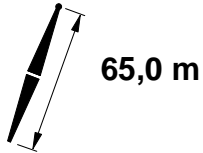
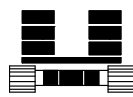
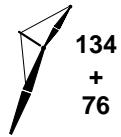


| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 16,8 | 80,4 | 84,3 | 12 700* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,5 | 84,1 | 12 600* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,1 | 83,7 | 12 500* | 80,7 | 83,2 | 11 900* |      |      |         | 20,0 |
| 22,0 | 76,7 | 83,2 | 12 300* | 79,3 | 82,7 | 11 700* |      |      |         | 22,0 |
| 24,0 | 75,3 | 82,7 | 12 100* | 77,8 | 82,2 | 11 500* |      |      |         | 24,0 |
| 26,0 | 73,8 | 82,1 | 11 900* | 76,4 | 81,6 | 11 300* | 79,0 | 80,5 | 10 400* | 26,0 |
| 28,0 | 72,4 | 81,4 | 11 700* | 74,9 | 81,0 | 11 100* | 77,5 | 79,8 | 10 100* | 28,0 |
| 30,0 | 70,9 | 80,7 | 11 500* | 73,5 | 80,2 | 10 900* | 76,1 | 79,1 | 9 700*  | 30,0 |
| 32,0 | 69,5 | 80,0 | 11 300* | 72,0 | 79,5 | 10 800* | 74,6 | 78,3 | 9 300*  | 32,0 |
| 34,0 | 68,0 | 79,1 | 11 100* | 70,5 | 78,7 | 10 600* | 73,0 | 77,5 | 9 000*  | 34,0 |
| 36,0 | 66,5 | 78,3 | 10 900* | 69,0 | 77,8 | 10 400* | 71,5 | 76,6 | 8 700*  | 36,0 |
| 38,0 | 65,0 | 77,3 | 10 700* | 67,5 | 76,8 | 10 300* | 69,9 | 75,6 | 8 400*  | 38,0 |
| 40,0 | 63,4 | 76,3 | 10 600* | 65,9 | 75,8 | 10 100* | 68,4 | 74,6 | 8 100*  | 40,0 |
| 42,0 | 61,9 | 75,2 | 10 500* | 64,3 | 74,7 | 10 000* | 66,8 | 73,5 | 7 900*  | 42,0 |
| 44,0 | 60,3 | 74,1 | 10 300* | 62,7 | 73,6 | 9 800*  | 65,1 | 72,3 | 7 600*  | 44,0 |
| 46,0 | 58,7 | 72,9 | 9 800   | 61,1 | 72,3 | 9 700*  | 63,5 | 71,1 | 7 400*  | 46,0 |
| 48,0 | 57,0 | 71,6 | 9 000   | 59,5 | 71,0 | 9 400*  | 61,8 | 69,7 | 7 200*  | 48,0 |
| 50,0 | 55,3 | 70,2 | 8 300   | 57,8 | 69,6 | 8 700   | 60,1 | 68,3 | 7 000*  | 50,0 |
| 52,0 | 53,6 | 68,7 | 7 700   | 56,0 | 68,1 | 8 000   | 58,3 | 66,8 | 6 900*  | 52,0 |
| 54,0 | 51,9 | 67,1 | 7 100   | 54,3 | 66,6 | 7 400   | 56,5 | 65,1 | 6 700*  | 54,0 |
| 56,0 | 50,1 | 65,5 | 6 500   | 52,5 | 64,9 | 6 900   | 54,7 | 63,4 | 6 500*  | 56,0 |
| 58,0 | 48,2 | 63,7 | 6 000   | 50,6 | 63,1 | 6 300   | 52,8 | 61,6 | 6 400*  | 58,0 |
| 60,0 | 46,3 | 61,8 | 5 600   | 48,7 | 61,1 | 5 800   | 50,8 | 59,6 | 6 100   | 60,0 |
| 62,0 | 44,4 | 59,7 | 5 100   | 46,7 | 59,1 | 5 400   | 48,7 | 57,5 | 5 600   | 62,0 |
| 64,0 | 42,3 | 57,5 | 4 700   | 44,6 | 56,8 | 5 000   | 46,6 | 55,2 | 5 200   | 64,0 |
| 66,0 | 40,2 | 55,2 | 4 300   | 42,5 | 54,5 | 4 500   | 44,4 | 52,7 | 4 700   | 66,0 |
| 68,0 | 38,0 | 52,6 | 4 000   | 40,2 | 51,9 | 4 200   | 42,0 | 50,0 | 4 300   | 68,0 |
| 70,0 | 35,6 | 49,9 | 3 600   | 37,8 | 49,1 | 3 800   |      |      |         | 70,0 |
| 72,0 | 33,1 | 46,8 | 3 300   | 35,3 | 46,0 | 3 500   |      |      |         | 72,0 |
| 74,0 | 30,5 | 43,5 | 3 000   | 32,6 | 42,6 | 3 100   |      |      |         | 74,0 |
| 76,0 | 27,5 | 39,7 | 2 700   | 29,6 | 38,7 | 2 800   |      |      |         | 76,0 |
| 78,0 | 24,3 | 35,4 | 2 400   |      |      |         |      |      |         | 78,0 |
| 80,0 | 20,5 | 30,3 | 2 100   |      |      |         |      |      |         | 80,0 |



# 14000 S-3

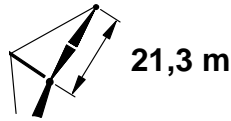
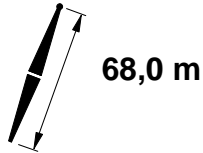
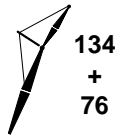
ASME B30.5



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 16,8 | 80,7 | 87,4 | 12 600* |      |      |         |      |      |         | 16,8 |
| 18,0 | 79,9 | 87,2 | 12 500* |      |      |         |      |      |         | 18,0 |
| 20,0 | 78,5 | 86,8 | 12 400* |      |      |         |      |      |         | 20,0 |
| 22,0 | 77,2 | 86,3 | 12 200* | 79,7 | 85,8 | 11 700* |      |      |         | 22,0 |
| 24,0 | 75,8 | 85,8 | 12 000* | 78,3 | 85,3 | 11 500* |      |      |         | 24,0 |
| 26,0 | 74,4 | 85,2 | 11 800* | 76,9 | 84,7 | 11 300* | 79,4 | 83,6 | 10 400* | 26,0 |
| 28,0 | 73,0 | 84,6 | 11 600* | 75,5 | 84,1 | 11 100* | 78,0 | 83,0 | 10 200* | 28,0 |
| 30,0 | 71,6 | 83,9 | 11 500* | 74,1 | 83,4 | 11 000* | 76,6 | 82,3 | 9 800*  | 30,0 |
| 32,0 | 70,2 | 83,2 | 11 300* | 72,7 | 82,7 | 10 800* | 75,1 | 81,5 | 9 400*  | 32,0 |
| 34,0 | 68,8 | 82,4 | 11 100* | 71,2 | 81,9 | 10 600* | 73,7 | 80,7 | 9 100*  | 34,0 |
| 36,0 | 67,4 | 81,6 | 10 900* | 69,8 | 81,1 | 10 500* | 72,2 | 79,9 | 8 800*  | 36,0 |
| 38,0 | 65,9 | 80,7 | 10 700* | 68,3 | 80,2 | 10 300* | 70,7 | 79,0 | 8 500*  | 38,0 |
| 40,0 | 64,4 | 79,7 | 10 500* | 66,8 | 79,2 | 10 200* | 69,2 | 78,0 | 8 300*  | 40,0 |
| 42,0 | 62,9 | 78,7 | 10 400* | 65,3 | 78,2 | 10 000* | 67,7 | 76,9 | 8 000*  | 42,0 |
| 44,0 | 61,4 | 77,6 | 10 200* | 63,8 | 77,1 | 9 900*  | 66,1 | 75,8 | 7 800*  | 44,0 |
| 46,0 | 59,9 | 76,4 | 9 600   | 62,3 | 75,9 | 9 700*  | 64,6 | 74,6 | 7 600*  | 46,0 |
| 48,0 | 58,3 | 75,2 | 8 800   | 60,7 | 74,6 | 9 300   | 63,0 | 73,3 | 7 400*  | 48,0 |
| 50,0 | 56,7 | 73,9 | 8 100   | 59,1 | 73,3 | 8 500   | 61,3 | 72,0 | 7 200*  | 50,0 |
| 52,0 | 55,1 | 72,5 | 7 500   | 57,5 | 71,9 | 7 900   | 59,7 | 70,5 | 7 000*  | 52,0 |
| 54,0 | 53,5 | 71,0 | 6 900   | 55,8 | 70,4 | 7 300   | 58,0 | 69,0 | 6 800*  | 54,0 |
| 56,0 | 51,8 | 69,4 | 6 300   | 54,1 | 68,8 | 6 700   | 56,2 | 67,4 | 6 700*  | 56,0 |
| 58,0 | 50,0 | 67,7 | 5 800   | 52,3 | 67,1 | 6 200   | 54,4 | 65,7 | 6 500   | 58,0 |
| 60,0 | 48,3 | 65,9 | 5 400   | 50,5 | 65,3 | 5 700   | 52,6 | 63,8 | 6 000   | 60,0 |
| 62,0 | 46,4 | 64,0 | 4 900   | 48,7 | 63,4 | 5 200   | 50,7 | 61,8 | 5 500   | 62,0 |
| 64,0 | 44,5 | 62,0 | 4 500   | 46,8 | 61,3 | 4 800   | 48,7 | 59,7 | 5 000   | 64,0 |
| 66,0 | 42,6 | 59,8 | 4 100   | 44,8 | 59,1 | 4 400   | 46,7 | 57,5 | 4 600   | 66,0 |
| 68,0 | 40,5 | 57,5 | 3 800   | 42,7 | 56,8 | 4 000   | 44,6 | 55,0 | 4 200   | 68,0 |
| 70,0 | 38,4 | 55,0 | 3 400   | 40,6 | 54,2 | 3 600   | 42,3 | 52,4 | 3 800   | 70,0 |
| 72,0 | 36,2 | 52,3 | 3 100   | 38,3 | 51,5 | 3 300   |      |      |         | 72,0 |
| 74,0 | 33,8 | 49,3 | 2 800   | 35,9 | 48,5 | 3 000   |      |      |         | 74,0 |
| 76,0 | 31,3 | 46,1 | 2 500   | 33,3 | 45,2 | 2 700   |      |      |         | 76,0 |
| 78,0 | 28,5 | 42,4 | 2 200*  |      |      |         |      |      |         | 78,0 |
| 80,0 | 25,5 | 38,4 | 1 900*  |      |      |         |      |      |         | 80,0 |

# 14000 S-3

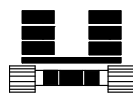
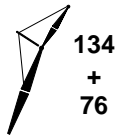
ASME B30.5



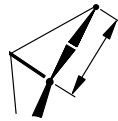
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 18,3 | 80,1 | 90,2 | 12 400* |      |      |         |      |      |         | 18,3 |
| 20,0 | 78,9 | 89,8 | 12 300* |      |      |         |      |      |         | 20,0 |
| 22,0 | 77,6 | 89,4 | 12 100* | 80,0 | 88,9 | 11 700* |      |      |         | 22,0 |
| 24,0 | 76,3 | 88,9 | 12 000* | 78,7 | 88,4 | 11 500* |      |      |         | 24,0 |
| 26,0 | 75,0 | 88,3 | 11 700* | 77,3 | 87,9 | 11 300* | 79,8 | 86,7 | 10 400* | 26,0 |
| 28,0 | 73,6 | 87,7 | 11 600* | 76,0 | 87,3 | 11 100* | 78,4 | 86,1 | 10 300* | 28,0 |
| 30,0 | 72,3 | 87,1 | 11 400* | 74,6 | 86,6 | 11 000* | 77,1 | 85,4 | 9 900*  | 30,0 |
| 32,0 | 70,9 | 86,4 | 11 200* | 73,3 | 85,9 | 10 800* | 75,7 | 84,7 | 9 600*  | 32,0 |
| 34,0 | 69,5 | 85,6 | 11 000* | 71,9 | 85,1 | 10 600* | 74,3 | 84,0 | 9 200*  | 34,0 |
| 36,0 | 68,2 | 84,8 | 10 800* | 70,5 | 84,3 | 10 500* | 72,9 | 83,1 | 8 900*  | 36,0 |
| 38,0 | 66,8 | 84,0 | 10 700* | 69,1 | 83,5 | 10 300* | 71,4 | 82,2 | 8 700*  | 38,0 |
| 40,0 | 65,3 | 83,0 | 10 500* | 67,7 | 82,5 | 10 200* | 70,0 | 81,3 | 8 400*  | 40,0 |
| 42,0 | 63,9 | 82,0 | 10 300* | 66,2 | 81,5 | 10 000* | 68,5 | 80,3 | 8 200*  | 42,0 |
| 44,0 | 62,5 | 81,0 | 10 100  | 64,8 | 80,5 | 9 900*  | 67,0 | 79,2 | 7 900*  | 44,0 |
| 46,0 | 61,0 | 79,9 | 9 300   | 63,3 | 79,4 | 9 700*  | 65,5 | 78,1 | 7 700*  | 46,0 |
| 48,0 | 59,5 | 78,7 | 8 500   | 61,8 | 78,2 | 9 000   | 64,0 | 76,9 | 7 500*  | 48,0 |
| 50,0 | 58,0 | 77,4 | 7 800   | 60,3 | 76,9 | 8 300   | 62,5 | 75,6 | 7 300*  | 50,0 |
| 52,0 | 56,5 | 76,1 | 7 200   | 58,7 | 75,6 | 7 600   | 60,9 | 74,2 | 7 100*  | 52,0 |
| 54,0 | 54,9 | 74,7 | 6 600   | 57,1 | 74,1 | 7 000   | 59,3 | 72,8 | 7 000*  | 54,0 |
| 56,0 | 53,3 | 73,2 | 6 100   | 55,5 | 72,6 | 6 400   | 57,6 | 71,2 | 6 700   | 56,0 |
| 58,0 | 51,6 | 71,6 | 5 600   | 53,9 | 71,0 | 5 900   | 55,9 | 69,6 | 6 200   | 58,0 |
| 60,0 | 50,0 | 69,9 | 5 100   | 52,2 | 69,3 | 5 400   | 54,2 | 67,8 | 5 700   | 60,0 |
| 62,0 | 48,2 | 68,1 | 4 700   | 50,4 | 67,5 | 5 000   | 52,4 | 66,0 | 5 200   | 62,0 |
| 64,0 | 46,5 | 66,2 | 4 300   | 48,7 | 65,6 | 4 500   | 50,6 | 64,0 | 4 800   | 64,0 |
| 66,0 | 44,7 | 64,2 | 3 900   | 46,8 | 63,6 | 4 100   | 48,7 | 61,9 | 4 400   | 66,0 |
| 68,0 | 42,8 | 62,1 | 3 500   | 44,9 | 61,4 | 3 800   | 46,7 | 59,7 | 4 000   | 68,0 |
| 70,0 | 40,8 | 59,8 | 3 200   | 42,9 | 59,0 | 3 400   | 44,7 | 57,3 | 3 600   | 70,0 |
| 72,0 | 38,8 | 57,3 | 2 800   | 40,9 | 56,5 | 3 100   | 42,6 | 54,7 | 3 200   | 72,0 |
| 74,0 | 36,6 | 54,6 | 2 500   | 38,7 | 53,8 | 2 700   |      |      |         | 74,0 |
| 76,0 | 34,4 | 51,7 | 2 200*  | 36,4 | 50,9 | 2 400   |      |      |         | 76,0 |
| 78,0 |      |      |         | 33,9 | 47,6 | 2 100*  |      |      |         | 78,0 |

# 14000 S-3

ASME B30.5



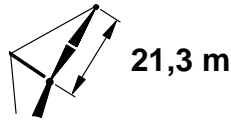
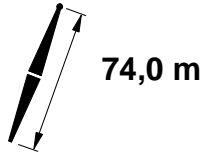
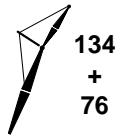
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 18,3 | 80,4 | 93,2 | 12 200* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,3 | 92,9 | 12 100* |      |      |         |      |      |         | 20,0 |
| 22,0 | 78,0 | 92,4 | 12 000* | 80,3 | 92,0 | 11 700* |      |      |         | 22,0 |
| 24,0 | 76,7 | 92,0 | 11 800* | 79,1 | 91,5 | 11 500* |      |      |         | 24,0 |
| 26,0 | 75,5 | 91,4 | 11 700* | 77,8 | 91,0 | 11 300* | 80,1 | 89,8 | 10 400* | 26,0 |
| 28,0 | 74,2 | 90,9 | 11 500* | 76,5 | 90,4 | 11 100* | 78,8 | 89,2 | 10 300* | 28,0 |
| 30,0 | 72,9 | 90,2 | 11 300* | 75,2 | 89,7 | 11 000* | 77,5 | 88,6 | 10 100* | 30,0 |
| 32,0 | 71,6 | 89,6 | 11 100* | 73,8 | 89,1 | 10 800* | 76,2 | 87,9 | 9 700*  | 32,0 |
| 34,0 | 70,2 | 88,8 | 10 900* | 72,5 | 88,3 | 10 600* | 74,8 | 87,1 | 9 400*  | 34,0 |
| 36,0 | 68,9 | 88,1 | 10 800* | 71,2 | 87,6 | 10 500* | 73,5 | 86,3 | 9 100*  | 36,0 |
| 38,0 | 67,6 | 87,2 | 10 600* | 69,8 | 86,7 | 10 400* | 72,1 | 85,5 | 8 800*  | 38,0 |
| 40,0 | 66,2 | 86,3 | 10 400* | 68,5 | 85,8 | 10 200* | 70,7 | 84,6 | 8 500*  | 40,0 |
| 42,0 | 64,8 | 85,4 | 10 300* | 67,1 | 84,9 | 10 100* | 69,3 | 83,6 | 8 300*  | 42,0 |
| 44,0 | 63,4 | 84,4 | 10 100  | 65,7 | 83,9 | 9 900*  | 67,9 | 82,6 | 8 000*  | 44,0 |
| 46,0 | 62,0 | 83,3 | 9 300   | 64,3 | 82,8 | 9 800*  | 66,4 | 81,5 | 7 800*  | 46,0 |
| 48,0 | 60,6 | 82,2 | 8 600   | 62,8 | 81,6 | 9 000   | 65,0 | 80,3 | 7 600*  | 48,0 |
| 50,0 | 59,2 | 81,0 | 7 900   | 61,4 | 80,4 | 8 300   | 63,5 | 79,1 | 7 400*  | 50,0 |
| 52,0 | 57,7 | 79,7 | 7 200   | 59,9 | 79,1 | 7 700   | 62,0 | 77,8 | 7 300*  | 52,0 |
| 54,0 | 56,2 | 78,4 | 6 600   | 58,4 | 77,8 | 7 000   | 60,5 | 76,4 | 7 100*  | 54,0 |
| 56,0 | 54,7 | 76,9 | 6 100   | 56,8 | 76,4 | 6 500   | 58,9 | 75,0 | 6 800   | 56,0 |
| 58,0 | 53,1 | 75,4 | 5 600   | 55,3 | 74,8 | 5 900   | 57,3 | 73,4 | 6 300   | 58,0 |
| 60,0 | 51,5 | 73,8 | 5 100   | 53,7 | 73,2 | 5 500   | 55,7 | 71,8 | 5 800   | 60,0 |
| 62,0 | 49,9 | 72,1 | 4 700   | 52,0 | 71,5 | 5 000   | 54,0 | 70,0 | 5 300   | 62,0 |
| 64,0 | 48,2 | 70,4 | 4 300   | 50,4 | 69,7 | 4 600   | 52,3 | 68,2 | 4 800   | 64,0 |
| 66,0 | 46,5 | 68,5 | 3 900   | 48,6 | 67,8 | 4 200   | 50,5 | 66,2 | 4 400   | 66,0 |
| 68,0 | 44,8 | 66,5 | 3 500   | 46,9 | 65,8 | 3 800   | 48,7 | 64,2 | 4 000   | 68,0 |
| 70,0 | 42,9 | 64,3 | 3 200   | 45,0 | 63,6 | 3 400   | 46,8 | 61,9 | 3 600   | 70,0 |
| 72,0 | 41,1 | 62,0 | 2 900   | 43,1 | 61,3 | 3 100   | 44,8 | 59,5 | 3 300   | 72,0 |
| 74,0 | 39,1 | 59,6 | 2 600   | 41,1 | 58,8 | 2 800   | 42,8 | 57,0 | 2 900   | 74,0 |
| 76,0 | 37,0 | 56,9 | 2 200*  | 39,0 | 56,1 | 2 500   |      |      |         | 76,0 |
| 78,0 |      |      |         | 36,8 | 53,3 | 2 100*  |      |      |         | 78,0 |

# 14000 S-3

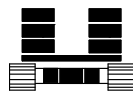
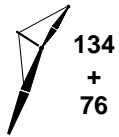
ASME B30.5



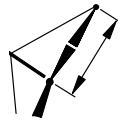
| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | kg   | kg      | m    | kg   | kg      | m    | kg   | kg      |      |
| 18,3 | 80,7 | 96,3 | 12 000* |      |      |         |      |      |         | 18,3 |
| 20,0 | 79,6 | 95,9 | 12 000* |      |      |         |      |      |         | 20,0 |
| 22,0 | 78,4 | 95,5 | 11 800* |      |      |         |      |      |         | 22,0 |
| 24,0 | 77,2 | 95,1 | 11 700* | 79,4 | 94,6 | 11 400* |      |      |         | 24,0 |
| 26,0 | 75,9 | 94,6 | 11 500* | 78,2 | 94,1 | 11 300* | 80,5 | 92,9 | 10 400* | 26,0 |
| 28,0 | 74,7 | 94,0 | 11 400* | 76,9 | 93,5 | 11 100* | 79,2 | 92,3 | 10 300* | 28,0 |
| 30,0 | 73,4 | 93,4 | 11 200* | 75,7 | 92,9 | 10 900* | 77,9 | 91,7 | 10 100* | 30,0 |
| 32,0 | 72,2 | 92,7 | 11 000* | 74,4 | 92,3 | 10 800* | 76,6 | 91,1 | 9 800*  | 32,0 |
| 34,0 | 70,9 | 92,0 | 10 900* | 73,1 | 91,6 | 10 600* | 75,3 | 90,3 | 9 500*  | 34,0 |
| 36,0 | 69,6 | 91,3 | 10 700* | 71,8 | 90,8 | 10 500* | 74,0 | 89,6 | 9 200*  | 36,0 |
| 38,0 | 68,3 | 90,5 | 10 600* | 70,5 | 90,0 | 10 400* | 72,7 | 88,8 | 8 900*  | 38,0 |
| 40,0 | 67,0 | 89,6 | 10 400* | 69,2 | 89,1 | 10 200* | 71,4 | 87,9 | 8 600*  | 40,0 |
| 42,0 | 65,7 | 88,7 | 10 300* | 67,9 | 88,2 | 10 100* | 70,0 | 87,0 | 8 400*  | 42,0 |
| 44,0 | 64,3 | 87,8 | 9 900   | 66,5 | 87,2 | 10 000* | 68,7 | 86,0 | 8 200*  | 44,0 |
| 46,0 | 63,0 | 86,7 | 9 100   | 65,2 | 86,2 | 9 700   | 67,3 | 84,9 | 8 000*  | 46,0 |
| 48,0 | 61,6 | 85,6 | 8 400   | 63,8 | 85,1 | 8 900   | 65,9 | 83,8 | 7 800*  | 48,0 |
| 50,0 | 60,2 | 84,5 | 7 700   | 62,4 | 84,0 | 8 200   | 64,5 | 82,6 | 7 600*  | 50,0 |
| 52,0 | 58,8 | 83,3 | 7 100   | 61,0 | 82,7 | 7 500   | 63,0 | 81,4 | 7 400*  | 52,0 |
| 54,0 | 57,4 | 82,0 | 6 500   | 59,5 | 81,4 | 6 900   | 61,6 | 80,1 | 7 200*  | 54,0 |
| 56,0 | 56,0 | 80,6 | 5 900   | 58,1 | 80,1 | 6 300   | 60,1 | 78,7 | 6 700   | 56,0 |
| 58,0 | 54,5 | 79,2 | 5 400   | 56,6 | 78,6 | 5 800   | 58,6 | 77,2 | 6 100   | 58,0 |
| 60,0 | 53,0 | 77,7 | 5 000   | 55,1 | 77,1 | 5 300   | 57,0 | 75,7 | 5 600   | 60,0 |
| 62,0 | 51,4 | 76,1 | 4 500   | 53,5 | 75,5 | 4 800   | 55,4 | 74,0 | 5 200   | 62,0 |
| 64,0 | 49,9 | 74,4 | 4 100   | 51,9 | 73,8 | 4 400   | 53,8 | 72,3 | 4 700   | 64,0 |
| 66,0 | 48,2 | 72,6 | 3 700   | 50,3 | 72,0 | 4 000   | 52,1 | 70,4 | 4 300   | 66,0 |
| 68,0 | 46,6 | 70,7 | 3 400   | 48,6 | 70,1 | 3 600   | 50,4 | 68,5 | 3 900   | 68,0 |
| 70,0 | 44,9 | 68,7 | 3 000   | 46,9 | 68,1 | 3 300   | 48,7 | 66,4 | 3 500   | 70,0 |
| 72,0 | 43,1 | 66,6 | 2 700   | 45,1 | 65,9 | 2 900   | 46,8 | 64,2 | 3 100   | 72,0 |
| 74,0 | 41,3 | 64,3 | 2 400*  | 43,3 | 63,6 | 2 600   | 45,0 | 61,8 | 2 800   | 74,0 |
| 76,0 | 39,4 | 61,9 | 2 000*  | 41,4 | 61,1 | 2 300*  | 43,0 | 59,3 | 2 500   | 76,0 |

# 14000 S-3

ASME B30.5



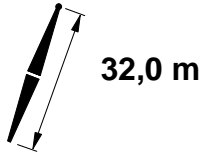
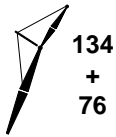
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |         | 25°  |      |         | m    |
|------|------|------|---------|------|------|---------|------|------|---------|------|
|      | m    | m    | kg      | m    | m    | kg      | m    | m    | kg      |      |
| 18,3 | 81,0 | 99,3 | 11 800* |      |      |         |      |      |         | 18,3 |
| 20,0 | 80,0 | 99,0 | 11 800* |      |      |         |      |      |         | 20,0 |
| 22,0 | 78,8 | 98,6 | 11 700* |      |      |         |      |      |         | 22,0 |
| 24,0 | 77,6 | 98,1 | 11 500* | 79,7 | 97,7 | 11 400* |      |      |         | 24,0 |
| 26,0 | 76,4 | 97,6 | 11 400* | 78,5 | 97,2 | 11 200* | 80,8 | 96,0 | 10 300* | 26,0 |
| 28,0 | 75,2 | 97,1 | 11 300* | 77,3 | 96,6 | 11 100* | 79,5 | 95,4 | 10 200* | 28,0 |
| 30,0 | 73,9 | 96,5 | 11 100* | 76,1 | 96,0 | 10 900* | 78,3 | 94,8 | 10 100* | 30,0 |
| 32,0 | 72,7 | 95,9 | 10 900* | 74,9 | 95,4 | 10 800* | 77,1 | 94,2 | 9 900*  | 32,0 |
| 34,0 | 71,5 | 95,2 | 10 800* | 73,6 | 94,7 | 10 600* | 75,8 | 93,5 | 9 600*  | 34,0 |
| 36,0 | 70,3 | 94,5 | 10 600* | 72,4 | 94,0 | 10 500* | 74,5 | 92,8 | 9 300*  | 36,0 |
| 38,0 | 69,0 | 93,7 | 10 600* | 71,1 | 93,2 | 10 400* | 73,3 | 92,0 | 9 000*  | 38,0 |
| 40,0 | 67,7 | 92,9 | 10 300* | 69,9 | 92,4 | 10 200* | 72,0 | 91,1 | 8 800*  | 40,0 |
| 42,0 | 66,5 | 92,0 | 10 200* | 68,6 | 91,5 | 10 100* | 70,7 | 90,2 | 8 500*  | 42,0 |
| 44,0 | 65,2 | 91,1 | 9 800   | 67,3 | 90,6 | 10 000* | 69,4 | 89,3 | 8 300*  | 44,0 |
| 46,0 | 63,9 | 90,1 | 9 000   | 66,0 | 89,6 | 9 500   | 68,1 | 88,3 | 8 100*  | 46,0 |
| 48,0 | 62,6 | 89,1 | 8 200   | 64,7 | 88,5 | 8 700   | 66,7 | 87,2 | 7 900*  | 48,0 |
| 50,0 | 61,2 | 87,9 | 7 500   | 63,3 | 87,4 | 8 000   | 65,3 | 86,1 | 7 700*  | 50,0 |
| 52,0 | 59,9 | 86,8 | 6 900   | 62,0 | 86,2 | 7 300   | 64,0 | 84,9 | 7 500*  | 52,0 |
| 54,0 | 58,5 | 85,6 | 6 300   | 60,6 | 85,0 | 6 700   | 62,6 | 83,6 | 7 200   | 54,0 |
| 56,0 | 57,1 | 84,3 | 5 700   | 59,2 | 83,7 | 6 100   | 61,1 | 82,3 | 6 500   | 56,0 |
| 58,0 | 55,7 | 82,9 | 5 200   | 57,8 | 82,3 | 5 600   | 59,7 | 80,9 | 6 000   | 58,0 |
| 60,0 | 54,3 | 81,4 | 4 800   | 56,3 | 80,9 | 5 100   | 58,2 | 79,4 | 5 500   | 60,0 |
| 62,0 | 52,8 | 79,9 | 4 300   | 54,8 | 79,3 | 4 700   | 56,7 | 77,9 | 5 000   | 62,0 |
| 64,0 | 51,3 | 78,3 | 3 900   | 53,3 | 77,7 | 4 200   | 55,2 | 76,2 | 4 500   | 64,0 |
| 66,0 | 49,8 | 76,6 | 3 500   | 51,8 | 76,0 | 3 800   | 53,6 | 74,5 | 4 100   | 66,0 |
| 68,0 | 48,2 | 74,8 | 3 200   | 50,2 | 74,2 | 3 500   | 52,0 | 72,6 | 3 700   | 68,0 |
| 70,0 | 46,6 | 72,9 | 2 800   | 48,6 | 72,3 | 3 100   | 50,3 | 70,7 | 3 300   | 70,0 |
| 72,0 | 45,0 | 71,0 | 2 500   | 46,9 | 70,3 | 2 800   | 48,6 | 68,6 | 3 000   | 72,0 |
| 74,0 | 43,3 | 68,8 | 2 100*  | 45,2 | 68,1 | 2 400*  | 46,9 | 66,4 | 2 700   | 74,0 |
| 76,0 |      |      |         | 43,5 | 65,9 | 2 100*  | 45,1 | 64,1 | 2 300*  | 76,0 |

# 14000 S-3

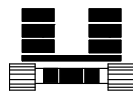
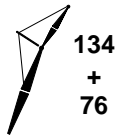
ASME B30.5



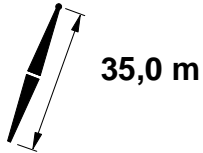
| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 12,2 | 80,1 | 57,8 | 10 600* |      |      |        |      |      |        | 12,2 |
| 14,0 | 78,2 | 57,4 | 10 400* |      |      |        |      |      |        | 14,0 |
| 16,0 | 76,1 | 56,9 | 10 200* |      |      |        |      |      |        | 16,0 |
| 18,0 | 74,0 | 56,4 | 9 900*  | 78,4 | 56,0 | 9 800* |      |      |        | 18,0 |
| 20,0 | 71,8 | 55,7 | 9 700*  | 76,2 | 55,4 | 9 500* | 80,8 | 54,4 | 9 100* | 20,0 |
| 22,0 | 69,7 | 55,0 | 9 400*  | 74,0 | 54,6 | 9 300* | 78,6 | 53,7 | 8 900* | 22,0 |
| 24,0 | 67,5 | 54,1 | 9 200*  | 71,8 | 53,8 | 9 100* | 76,3 | 52,8 | 8 500* | 24,0 |
| 26,0 | 65,2 | 53,2 | 9 000*  | 69,6 | 52,9 | 9 000* | 74,0 | 51,9 | 8 000* | 26,0 |
| 28,0 | 63,0 | 52,2 | 8 800*  | 67,3 | 51,8 | 8 800* | 71,7 | 50,8 | 7 500* | 28,0 |
| 30,0 | 60,6 | 51,1 | 8 600*  | 64,9 | 50,7 | 8 500* | 69,3 | 49,7 | 7 100* | 30,0 |
| 32,0 | 58,3 | 49,9 | 8 400*  | 62,5 | 49,5 | 8 200* | 66,8 | 48,4 | 6 800* | 32,0 |
| 34,0 | 55,8 | 48,5 | 8 200*  | 60,1 | 48,1 | 8 000* | 64,3 | 47,0 | 6 400* | 34,0 |
| 36,0 | 53,3 | 47,0 | 8 100*  | 57,5 | 46,6 | 7 800* | 61,7 | 45,5 | 6 200* | 36,0 |
| 38,0 | 50,7 | 45,4 | 7 900*  | 54,9 | 45,0 | 7 500* | 59,0 | 43,8 | 5 900* | 38,0 |
| 40,0 | 47,9 | 43,6 | 7 600*  | 52,1 | 43,2 | 7 200* | 56,2 | 42,0 | 5 600* | 40,0 |
| 42,0 | 45,1 | 41,7 | 7 400*  | 49,2 | 41,2 | 6 900* | 53,2 | 39,9 | 5 400* | 42,0 |
| 44,0 | 42,1 | 39,5 | 7 200*  | 46,2 | 39,0 | 6 600* | 50,0 | 37,6 | 5 200* | 44,0 |
| 46,0 | 38,9 | 37,1 | 7 000*  | 42,9 | 36,5 | 6 300* | 46,6 | 35,1 | 5 000* | 46,0 |
| 48,0 | 35,4 | 34,3 | 6 800*  | 39,4 | 33,8 | 6 000* | 43,0 | 32,1 | 4 900* | 48,0 |
| 50,0 | 31,7 | 31,2 | 6 600*  | 35,6 | 30,6 | 5 800* |      |      |        | 50,0 |
| 52,0 | 27,4 | 27,5 | 6 400*  | 31,2 | 26,8 | 5 600* |      |      |        | 52,0 |
| 54,0 | 22,4 | 23,0 | 6 100*  |      |      |        |      |      |        | 54,0 |

# 14000 S-3

ASME B30.5



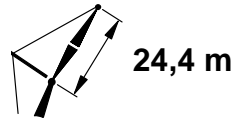
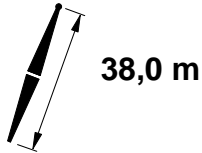
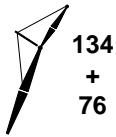
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 12,2 | 80,6 | 60,9 | 10 500* |      |      |        |      |      |        | 12,2 |
| 14,0 | 78,8 | 60,5 | 10 400* |      |      |        |      |      |        | 14,0 |
| 16,0 | 76,8 | 60,0 | 10 200* |      |      |        |      |      |        | 16,0 |
| 18,0 | 74,8 | 59,5 | 9 900*  | 79,0 | 59,1 | 9 800* |      |      |        | 18,0 |
| 20,0 | 72,8 | 58,9 | 9 700*  | 76,9 | 58,5 | 9 600* |      |      |        | 20,0 |
| 22,0 | 70,7 | 58,2 | 9 500*  | 74,9 | 57,8 | 9 400* | 79,2 | 56,8 | 8 900* | 22,0 |
| 24,0 | 68,7 | 57,4 | 9 300*  | 72,8 | 57,0 | 9 200* | 77,1 | 56,0 | 8 600* | 24,0 |
| 26,0 | 66,6 | 56,5 | 9 000*  | 70,7 | 56,1 | 9 000* | 74,9 | 55,1 | 8 200* | 26,0 |
| 28,0 | 64,4 | 55,6 | 8 800*  | 68,5 | 55,2 | 8 800* | 72,7 | 54,2 | 7 700* | 28,0 |
| 30,0 | 62,3 | 54,5 | 8 600*  | 66,3 | 54,1 | 8 600* | 70,5 | 53,1 | 7 300* | 30,0 |
| 32,0 | 60,0 | 53,4 | 8 500*  | 64,1 | 53,0 | 8 400* | 68,2 | 51,9 | 7 000* | 32,0 |
| 34,0 | 57,8 | 52,1 | 8 300*  | 61,8 | 51,7 | 8 200* | 65,9 | 50,6 | 6 600* | 34,0 |
| 36,0 | 55,4 | 50,8 | 8 100*  | 59,5 | 50,3 | 7 900* | 63,5 | 49,2 | 6 300* | 36,0 |
| 38,0 | 53,0 | 49,3 | 8 000*  | 57,0 | 48,8 | 7 700* | 61,0 | 47,7 | 6 100* | 38,0 |
| 40,0 | 50,5 | 47,6 | 7 800*  | 54,5 | 47,2 | 7 500* | 58,4 | 46,0 | 5 800* | 40,0 |
| 42,0 | 47,9 | 45,9 | 7 600*  | 51,9 | 45,4 | 7 200* | 55,7 | 44,1 | 5 600* | 42,0 |
| 44,0 | 45,2 | 43,9 | 7 400*  | 49,2 | 43,4 | 6 900* | 52,9 | 42,1 | 5 400* | 44,0 |
| 46,0 | 42,4 | 41,7 | 7 200*  | 46,3 | 41,2 | 6 600* | 49,9 | 39,8 | 5 200* | 46,0 |
| 48,0 | 39,4 | 39,4 | 7 000*  | 43,2 | 38,8 | 6 300* | 46,7 | 37,3 | 5 000* | 48,0 |
| 50,0 | 36,2 | 36,7 | 6 800*  | 40,0 | 36,1 | 6 100* | 43,3 | 34,5 | 4 900* | 50,0 |
| 52,0 | 32,7 | 33,7 | 6 600*  | 36,4 | 33,0 | 5 800* |      |      |        | 52,0 |
| 54,0 | 28,8 | 30,2 | 6 500*  | 32,4 | 29,4 | 5 600* |      |      |        | 54,0 |
| 56,0 | 24,3 | 26,0 | 6 300*  |      |      |        |      |      |        | 56,0 |

# 14000 S-3

ASME B30.5

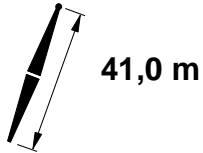
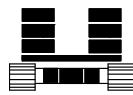
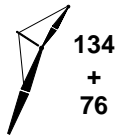


| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | kg   | kg      | m    | kg   | kg     | m    | kg   | kg     |      |
| 12,2 | 81,0 | 63,9 | 10 500* |      |      |        |      |      |        | 12,2 |
| 14,0 | 79,3 | 63,6 | 10 400* |      |      |        |      |      |        | 14,0 |
| 16,0 | 77,5 | 63,1 | 10 200* |      |      |        |      |      |        | 16,0 |
| 18,0 | 75,6 | 62,6 | 10 000* | 79,5 | 62,2 | 9 800* |      |      |        | 18,0 |
| 20,0 | 73,7 | 62,0 | 9 700*  | 77,6 | 61,7 | 9 600* |      |      |        | 20,0 |
| 22,0 | 71,7 | 61,4 | 9 500*  | 75,7 | 61,0 | 9 400* | 79,8 | 60,0 | 9 000* | 22,0 |
| 24,0 | 69,8 | 60,6 | 9 300*  | 73,7 | 60,3 | 9 200* | 77,8 | 59,2 | 8 800* | 24,0 |
| 26,0 | 67,8 | 59,8 | 9 100*  | 71,7 | 59,4 | 9 000* | 75,7 | 58,4 | 8 300* | 26,0 |
| 28,0 | 65,8 | 58,9 | 8 900*  | 69,7 | 58,5 | 8 900* | 73,7 | 57,5 | 7 900* | 28,0 |
| 30,0 | 63,7 | 57,9 | 8 700*  | 67,6 | 57,5 | 8 700* | 71,6 | 56,5 | 7 500* | 30,0 |
| 32,0 | 61,6 | 56,9 | 8 500*  | 65,5 | 56,5 | 8 500* | 69,4 | 55,4 | 7 200* | 32,0 |
| 34,0 | 59,5 | 55,7 | 8 300*  | 63,4 | 55,3 | 8 300* | 67,2 | 54,2 | 6 800* | 34,0 |
| 36,0 | 57,3 | 54,4 | 8 200*  | 61,2 | 54,0 | 8 100* | 65,0 | 52,9 | 6 500* | 36,0 |
| 38,0 | 55,1 | 53,0 | 8 000*  | 58,9 | 52,6 | 7 900* | 62,7 | 51,4 | 6 300* | 38,0 |
| 40,0 | 52,8 | 51,5 | 7 900*  | 56,6 | 51,1 | 7 700* | 60,3 | 49,9 | 6 000* | 40,0 |
| 42,0 | 50,4 | 49,9 | 7 800*  | 54,2 | 49,4 | 7 500* | 57,9 | 48,2 | 5 800* | 42,0 |
| 44,0 | 48,0 | 48,1 | 7 600*  | 51,7 | 47,6 | 7 200* | 55,3 | 46,3 | 5 600* | 44,0 |
| 46,0 | 45,4 | 46,2 | 7 400*  | 49,1 | 45,7 | 6 900* | 52,6 | 44,3 | 5 400* | 46,0 |
| 48,0 | 42,7 | 44,0 | 7 200*  | 46,4 | 43,5 | 6 600* | 49,8 | 42,1 | 5 200* | 48,0 |
| 50,0 | 39,9 | 41,7 | 7 000*  | 43,5 | 41,1 | 6 300* | 46,8 | 39,6 | 5 100* | 50,0 |
| 52,0 | 36,9 | 39,1 | 6 800*  | 40,5 | 38,5 | 6 100* | 43,6 | 36,8 | 4 900* | 52,0 |
| 54,0 | 33,6 | 36,2 | 6 700*  | 37,2 | 35,5 | 5 900* |      |      |        | 54,0 |
| 56,0 | 30,0 | 32,8 | 6 500*  | 33,5 | 32,1 | 5 700* |      |      |        | 56,0 |
| 58,0 | 26,0 | 28,9 | 6 300*  |      |      |        |      |      |        | 58,0 |
| 60,0 | 21,3 | 24,1 | 6 100*  |      |      |        |      |      |        | 60,0 |



# 14000 S-3

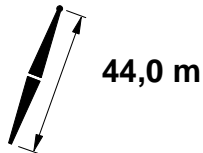
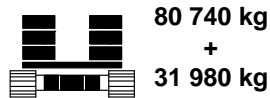
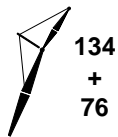
ASME B30.5



| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 13,7 | 80,1 | 66,7 | 10 400* |      |      |        |      |      |        | 13,7 |
| 14,0 | 79,8 | 66,6 | 10 300* |      |      |        |      |      |        | 14,0 |
| 16,0 | 78,0 | 66,2 | 10 200* |      |      |        |      |      |        | 16,0 |
| 18,0 | 76,2 | 65,7 | 10 000* |      |      |        |      |      |        | 18,0 |
| 20,0 | 74,4 | 65,1 | 9 700*  | 78,2 | 64,8 | 9 600* |      |      |        | 20,0 |
| 22,0 | 72,6 | 64,5 | 9 500*  | 76,4 | 64,1 | 9 400* | 80,3 | 63,1 | 9 000* | 22,0 |
| 24,0 | 70,7 | 63,8 | 9 300*  | 74,5 | 63,4 | 9 200* | 78,4 | 62,4 | 8 800* | 24,0 |
| 26,0 | 68,8 | 63,1 | 9 100*  | 72,6 | 62,7 | 9 000* | 76,5 | 61,6 | 8 500* | 26,0 |
| 28,0 | 66,9 | 62,2 | 8 900*  | 70,7 | 61,8 | 8 900* | 74,5 | 60,7 | 8 100* | 28,0 |
| 30,0 | 65,0 | 61,3 | 8 700*  | 68,7 | 60,9 | 8 700* | 72,5 | 59,8 | 7 700* | 30,0 |
| 32,0 | 63,1 | 60,3 | 8 500*  | 66,8 | 59,9 | 8 600* | 70,5 | 58,8 | 7 300* | 32,0 |
| 34,0 | 61,1 | 59,2 | 8 400*  | 64,7 | 58,7 | 8 400* | 68,4 | 57,6 | 7 000* | 34,0 |
| 36,0 | 59,0 | 58,0 | 8 200*  | 62,7 | 57,5 | 8 200* | 66,4 | 56,4 | 6 700* | 36,0 |
| 38,0 | 56,9 | 56,7 | 8 100*  | 60,6 | 56,2 | 8 000* | 64,2 | 55,1 | 6 400* | 38,0 |
| 40,0 | 54,8 | 55,3 | 7 900*  | 58,4 | 54,8 | 7 800* | 62,0 | 53,6 | 6 200* | 40,0 |
| 42,0 | 52,6 | 53,8 | 7 800*  | 56,2 | 53,3 | 7 600* | 59,7 | 52,1 | 6 000* | 42,0 |
| 44,0 | 50,3 | 52,1 | 7 600*  | 53,9 | 51,6 | 7 400* | 57,4 | 50,4 | 5 700* | 44,0 |
| 46,0 | 48,0 | 50,3 | 7 500*  | 51,5 | 49,8 | 7 200* | 54,9 | 48,5 | 5 600* | 46,0 |
| 48,0 | 45,5 | 48,4 | 7 400*  | 49,1 | 47,9 | 6 900* | 52,4 | 46,5 | 5 400* | 48,0 |
| 50,0 | 43,0 | 46,3 | 7 200*  | 46,5 | 45,7 | 6 600* | 49,7 | 44,3 | 5 200* | 50,0 |
| 52,0 | 40,3 | 44,0 | 7 000*  | 43,8 | 43,4 | 6 400* | 46,9 | 41,8 | 5 100* | 52,0 |
| 54,0 | 37,4 | 41,4 | 6 800*  | 40,9 | 40,8 | 6 100* | 43,9 | 39,1 | 4 900* | 54,0 |
| 56,0 | 34,4 | 38,6 | 6 700*  | 37,8 | 37,9 | 5 900* | 40,6 | 36,1 | 4 800* | 56,0 |
| 58,0 | 31,1 | 35,3 | 6 500*  | 34,4 | 34,6 | 5 700* |      |      |        | 58,0 |
| 60,0 | 27,4 | 31,6 | 6 400*  | 30,6 | 30,8 | 5 600* |      |      |        | 60,0 |
| 62,0 | 23,1 | 27,2 | 6 200*  |      |      |        |      |      |        | 62,0 |
| 64,0 | 17,9 | 21,6 | 5 900*  |      |      |        |      |      |        | 64,0 |

# 14000 S-3

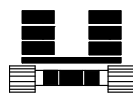
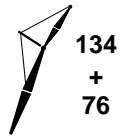
ASME B30.5



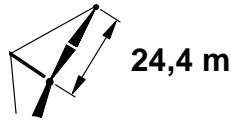
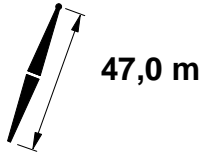
| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | kg   | kg      | m    | kg   | kg     | m    | kg   | kg     |      |
| 13,7 | 80,5 | 69,7 | 10 300* |      |      |        |      |      |        | 13,7 |
| 14,0 | 80,3 | 69,7 | 10 300* |      |      |        |      |      |        | 14,0 |
| 16,0 | 78,6 | 69,3 | 10 200* |      |      |        |      |      |        | 16,0 |
| 18,0 | 76,9 | 68,8 | 10 000* |      |      |        |      |      |        | 18,0 |
| 20,0 | 75,1 | 68,3 | 9 800*  | 78,7 | 67,9 | 9 600* |      |      |        | 20,0 |
| 22,0 | 73,4 | 67,7 | 9 600*  | 77,0 | 67,3 | 9 400* |      |      |        | 22,0 |
| 24,0 | 71,6 | 67,0 | 9 400*  | 75,2 | 66,6 | 9 200* | 78,9 | 65,6 | 8 800* | 24,0 |
| 26,0 | 69,8 | 66,3 | 9 200*  | 73,4 | 65,9 | 9 100* | 77,1 | 64,8 | 8 700* | 26,0 |
| 28,0 | 68,0 | 65,5 | 9 000*  | 71,6 | 65,1 | 8 900* | 75,3 | 64,0 | 8 200* | 28,0 |
| 30,0 | 66,2 | 64,6 | 8 800*  | 69,8 | 64,2 | 8 700* | 73,4 | 63,1 | 7 800* | 30,0 |
| 32,0 | 64,3 | 63,7 | 8 600*  | 67,9 | 63,2 | 8 600* | 71,5 | 62,1 | 7 500* | 32,0 |
| 34,0 | 62,5 | 62,6 | 8 400*  | 66,0 | 62,2 | 8 500* | 69,5 | 61,1 | 7 200* | 34,0 |
| 36,0 | 60,5 | 61,5 | 8 300*  | 64,0 | 61,1 | 8 300* | 67,6 | 59,9 | 6 900* | 36,0 |
| 38,0 | 58,6 | 60,3 | 8 100*  | 62,1 | 59,8 | 8 100* | 65,5 | 58,7 | 6 600* | 38,0 |
| 40,0 | 56,6 | 59,0 | 8 000*  | 60,1 | 58,5 | 7 900* | 63,5 | 57,3 | 6 300* | 40,0 |
| 42,0 | 54,5 | 57,6 | 7 800*  | 58,0 | 57,1 | 7 800* | 61,4 | 55,8 | 6 100* | 42,0 |
| 44,0 | 52,4 | 56,0 | 7 700*  | 55,9 | 55,6 | 7 600* | 59,2 | 54,3 | 5 900* | 44,0 |
| 46,0 | 50,2 | 54,4 | 7 600*  | 53,7 | 53,9 | 7 400* | 56,9 | 52,6 | 5 700* | 46,0 |
| 48,0 | 48,0 | 52,6 | 7 500*  | 51,4 | 52,1 | 7 200* | 54,6 | 50,7 | 5 500* | 48,0 |
| 50,0 | 45,7 | 50,7 | 7 400*  | 49,0 | 50,1 | 6 900* | 52,2 | 48,7 | 5 400* | 50,0 |
| 52,0 | 43,2 | 48,6 | 7 200*  | 46,6 | 48,0 | 6 600* | 49,7 | 46,5 | 5 200* | 52,0 |
| 54,0 | 40,7 | 46,3 | 7 000*  | 44,0 | 45,7 | 6 400* | 47,0 | 44,1 | 5 100* | 54,0 |
| 56,0 | 38,0 | 43,8 | 6 900*  | 41,3 | 43,1 | 6 200* | 44,1 | 41,5 | 4 900* | 56,0 |
| 58,0 | 35,1 | 41,0 | 6 700*  | 38,4 | 40,3 | 6 000* |      |      |        | 58,0 |
| 60,0 | 32,0 | 37,9 | 6 600*  | 35,2 | 37,2 | 5 800* |      |      |        | 60,0 |
| 62,0 | 28,6 | 34,3 | 6 300   | 31,7 | 33,5 | 5 600* |      |      |        | 62,0 |
| 64,0 | 24,8 | 30,2 | 5 900   |      |      |        |      |      |        | 64,0 |
| 66,0 | 20,3 | 25,2 | 5 500   |      |      |        |      |      |        | 66,0 |

# 14000 S-3

ASME B30.5



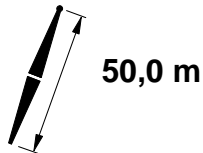
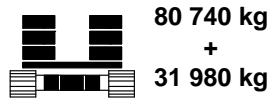
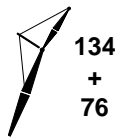
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 13,7 | 80,9 | 72,8 | 10 200* |      |      |        |      |      |        | 13,7 |
| 14,0 | 80,7 | 72,7 | 10 200* |      |      |        |      |      |        | 14,0 |
| 16,0 | 79,1 | 72,3 | 10 100* |      |      |        |      |      |        | 16,0 |
| 18,0 | 77,4 | 71,9 | 10 000* |      |      |        |      |      |        | 18,0 |
| 20,0 | 75,8 | 71,4 | 9 800*  | 79,2 | 71,0 | 9 600* |      |      |        | 20,0 |
| 22,0 | 74,1 | 70,8 | 9 600*  | 77,5 | 70,4 | 9 400* |      |      |        | 22,0 |
| 24,0 | 72,4 | 70,2 | 9 400*  | 75,9 | 69,8 | 9 200* | 79,4 | 68,7 | 8 900* | 24,0 |
| 26,0 | 70,7 | 69,5 | 9 200*  | 74,1 | 69,1 | 9 100* | 77,7 | 68,0 | 8 700* | 26,0 |
| 28,0 | 69,0 | 68,7 | 9 000*  | 72,4 | 68,3 | 8 900* | 75,9 | 67,2 | 8 400* | 28,0 |
| 30,0 | 67,3 | 67,9 | 8 800*  | 70,7 | 67,5 | 8 800* | 74,1 | 66,4 | 8 000* | 30,0 |
| 32,0 | 65,5 | 67,0 | 8 600*  | 68,9 | 66,6 | 8 600* | 72,3 | 65,4 | 7 700* | 32,0 |
| 34,0 | 63,7 | 66,0 | 8 500*  | 67,1 | 65,6 | 8 500* | 70,5 | 64,4 | 7 300* | 34,0 |
| 36,0 | 61,9 | 64,9 | 8 300*  | 65,3 | 64,5 | 8 300* | 68,6 | 63,3 | 7 000* | 36,0 |
| 38,0 | 60,0 | 63,8 | 8 100*  | 63,4 | 63,3 | 8 200* | 66,7 | 62,1 | 6 800* | 38,0 |
| 40,0 | 58,1 | 62,5 | 8 000*  | 61,5 | 62,1 | 8 100* | 64,8 | 60,9 | 6 500* | 40,0 |
| 42,0 | 56,2 | 61,2 | 7 800*  | 59,6 | 60,8 | 7 900* | 62,8 | 59,5 | 6 300* | 42,0 |
| 44,0 | 54,2 | 59,8 | 7 700*  | 57,6 | 59,3 | 7 700* | 60,8 | 58,0 | 6 100* | 44,0 |
| 46,0 | 52,2 | 58,3 | 7 600*  | 55,5 | 57,8 | 7 500* | 58,7 | 56,5 | 5 900* | 46,0 |
| 48,0 | 50,1 | 56,6 | 7 500*  | 53,4 | 56,1 | 7 400* | 56,5 | 54,7 | 5 700* | 48,0 |
| 50,0 | 48,0 | 54,8 | 7 400*  | 51,2 | 54,3 | 7 100* | 54,3 | 52,9 | 5 500* | 50,0 |
| 52,0 | 45,8 | 52,9 | 7 300*  | 49,0 | 52,4 | 6 900* | 52,0 | 50,9 | 5 300* | 52,0 |
| 54,0 | 43,4 | 50,8 | 7 200*  | 46,7 | 50,2 | 6 600* | 49,6 | 48,7 | 5 200* | 54,0 |
| 56,0 | 41,0 | 48,5 | 7 000*  | 44,2 | 47,9 | 6 400* | 47,0 | 46,3 | 5 100* | 56,0 |
| 58,0 | 38,5 | 46,1 | 6 900*  | 41,6 | 45,4 | 6 200* | 44,3 | 43,7 | 4 900* | 58,0 |
| 60,0 | 35,8 | 43,3 | 6 600   | 38,9 | 42,7 | 6 000* | 41,5 | 40,9 | 4 800* | 60,0 |
| 62,0 | 32,8 | 40,3 | 6 100   | 35,9 | 39,6 | 5 800* |      |      |        | 62,0 |
| 64,0 | 29,7 | 36,9 | 5 700   | 32,7 | 36,1 | 5 600* |      |      |        | 64,0 |
| 66,0 | 26,2 | 33,0 | 5 300   |      |      |        |      |      |        | 66,0 |
| 68,0 | 22,1 | 28,4 | 5 000   |      |      |        |      |      |        | 68,0 |

# 14000 S-3

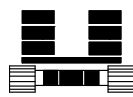
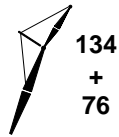
ASME B30.5



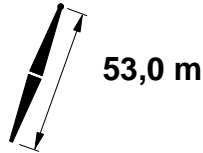
| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 15,2 | 80,1 | 75,5 | 10 100* |      |      |        |      |      |        | 15,2 |
| 16,0 | 79,5 | 75,4 | 10 100* |      |      |        |      |      |        | 16,0 |
| 18,0 | 77,9 | 75,0 | 9 900*  |      |      |        |      |      |        | 18,0 |
| 20,0 | 76,3 | 74,5 | 9 800*  | 79,7 | 74,1 | 9 600* |      |      |        | 20,0 |
| 22,0 | 74,8 | 73,9 | 9 600*  | 78,1 | 73,5 | 9 400* |      |      |        | 22,0 |
| 24,0 | 73,1 | 73,3 | 9 400*  | 76,4 | 72,9 | 9 200* | 79,9 | 71,8 | 8 900* | 24,0 |
| 26,0 | 71,5 | 72,7 | 9 200*  | 74,8 | 72,2 | 9 100* | 78,2 | 71,1 | 8 700* | 26,0 |
| 28,0 | 69,9 | 71,9 | 9 000*  | 73,2 | 71,5 | 8 900* | 76,5 | 70,4 | 8 500* | 28,0 |
| 30,0 | 68,2 | 71,1 | 8 800*  | 71,5 | 70,7 | 8 800* | 74,8 | 69,6 | 8 200* | 30,0 |
| 32,0 | 66,5 | 70,3 | 8 600*  | 69,8 | 69,8 | 8 600* | 73,1 | 68,7 | 7 800* | 32,0 |
| 34,0 | 64,8 | 69,3 | 8 500*  | 68,1 | 68,9 | 8 500* | 71,4 | 67,7 | 7 500* | 34,0 |
| 36,0 | 63,1 | 68,3 | 8 300*  | 66,4 | 67,9 | 8 400* | 69,6 | 66,7 | 7 200* | 36,0 |
| 38,0 | 61,4 | 67,2 | 8 200*  | 64,6 | 66,8 | 8 200* | 67,8 | 65,6 | 6 900* | 38,0 |
| 40,0 | 59,6 | 66,1 | 8 000*  | 62,8 | 65,6 | 8 100* | 66,0 | 64,4 | 6 700* | 40,0 |
| 42,0 | 57,8 | 64,8 | 7 900*  | 61,0 | 64,3 | 8 000* | 64,1 | 63,1 | 6 400* | 42,0 |
| 44,0 | 55,9 | 63,5 | 7 700*  | 59,1 | 63,0 | 7 800* | 62,2 | 61,7 | 6 200* | 44,0 |
| 46,0 | 54,0 | 62,0 | 7 600*  | 57,2 | 61,5 | 7 700* | 60,3 | 60,2 | 6 000* | 46,0 |
| 48,0 | 52,1 | 60,5 | 7 500*  | 55,2 | 60,0 | 7 500* | 58,2 | 58,6 | 5 800* | 48,0 |
| 50,0 | 50,1 | 58,8 | 7 400*  | 53,2 | 58,3 | 7 400* | 56,2 | 56,9 | 5 600* | 50,0 |
| 52,0 | 48,0 | 57,0 | 7 300*  | 51,1 | 56,5 | 7 100* | 54,0 | 55,1 | 5 500* | 52,0 |
| 54,0 | 45,9 | 55,1 | 7 200*  | 49,0 | 54,6 | 6 900* | 51,8 | 53,1 | 5 300* | 54,0 |
| 56,0 | 43,6 | 53,0 | 7 100*  | 46,7 | 52,5 | 6 600* | 49,5 | 50,9 | 5 200* | 56,0 |
| 58,0 | 41,3 | 50,8 | 6 900*  | 44,4 | 50,2 | 6 400* | 47,1 | 48,6 | 5 100* | 58,0 |
| 60,0 | 38,9 | 48,4 | 6 400*  | 41,9 | 47,7 | 6 200* | 44,5 | 46,0 | 4 900* | 60,0 |
| 62,0 | 36,3 | 45,7 | 6 000*  | 39,3 | 45,0 | 6 000* | 41,8 | 43,2 | 4 800* | 62,0 |
| 64,0 | 33,6 | 42,7 | 5 500   | 36,5 | 42,0 | 5 700  |      |      |        | 64,0 |
| 66,0 | 30,6 | 39,5 | 5 200   | 33,5 | 38,7 | 5 300  |      |      |        | 66,0 |
| 68,0 | 27,4 | 35,7 | 4 800   | 30,1 | 34,9 | 4 900  |      |      |        | 68,0 |
| 70,0 | 23,7 | 31,4 | 4 500   |      |      |        |      |      |        | 70,0 |

# 14000 S-3

ASME B30.5



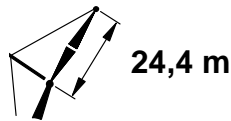
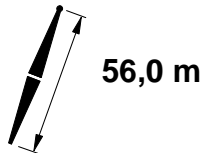
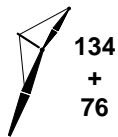
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg      | m    | m    | kg     | m    | m    | kg     |      |
| 15,2 | 80,5 | 78,6 | 10 000* |      |      |        |      |      |        | 15,2 |
| 16,0 | 79,9 | 78,5 | 10 000* |      |      |        |      |      |        | 16,0 |
| 18,0 | 78,4 | 78,0 | 9 900*  |      |      |        |      |      |        | 18,0 |
| 20,0 | 76,9 | 77,6 | 9 700*  | 80,1 | 77,2 | 9 600* |      |      |        | 20,0 |
| 22,0 | 75,4 | 77,1 | 9 500*  | 78,6 | 76,7 | 9 400* |      |      |        | 22,0 |
| 24,0 | 73,8 | 76,5 | 9 400*  | 77,0 | 76,1 | 9 200* |      |      |        | 24,0 |
| 26,0 | 72,3 | 75,8 | 9 200*  | 75,4 | 75,4 | 9 100* | 78,7 | 74,3 | 8 800* | 26,0 |
| 28,0 | 70,7 | 75,1 | 9 000*  | 73,9 | 74,7 | 8 900* | 77,1 | 73,6 | 8 600* | 28,0 |
| 30,0 | 69,1 | 74,4 | 8 800*  | 72,3 | 74,0 | 8 800* | 75,5 | 72,8 | 8 300* | 30,0 |
| 32,0 | 67,5 | 73,6 | 8 700*  | 70,7 | 73,1 | 8 600* | 73,9 | 72,0 | 7 900* | 32,0 |
| 34,0 | 65,9 | 72,7 | 8 500*  | 69,0 | 72,2 | 8 500* | 72,2 | 71,1 | 7 600* | 34,0 |
| 36,0 | 64,2 | 71,7 | 8 300*  | 67,4 | 71,3 | 8 400* | 70,5 | 70,1 | 7 300* | 36,0 |
| 38,0 | 62,6 | 70,7 | 8 200*  | 65,7 | 70,2 | 8 300* | 68,8 | 69,0 | 7 100* | 38,0 |
| 40,0 | 60,9 | 69,6 | 8 000*  | 64,0 | 69,1 | 8 100* | 67,1 | 67,9 | 6 800* | 40,0 |
| 42,0 | 59,2 | 68,4 | 7 900*  | 62,3 | 67,9 | 8 000* | 65,3 | 66,7 | 6 600* | 42,0 |
| 44,0 | 57,4 | 67,1 | 7 800*  | 60,5 | 66,6 | 7 900* | 63,5 | 65,4 | 6 400* | 44,0 |
| 46,0 | 55,6 | 65,8 | 7 600*  | 58,7 | 65,3 | 7 800* | 61,7 | 64,0 | 6 100* | 46,0 |
| 48,0 | 53,8 | 64,3 | 7 500*  | 56,8 | 63,8 | 7 600* | 59,8 | 62,5 | 6 000* | 48,0 |
| 50,0 | 51,9 | 62,7 | 7 400*  | 54,9 | 62,2 | 7 500* | 57,8 | 60,9 | 5 800* | 50,0 |
| 52,0 | 50,0 | 61,1 | 7 300*  | 53,0 | 60,6 | 7 300* | 55,8 | 59,1 | 5 600* | 52,0 |
| 54,0 | 48,0 | 59,3 | 7 200*  | 51,0 | 58,8 | 7 100* | 53,8 | 57,3 | 5 500* | 54,0 |
| 56,0 | 46,0 | 57,4 | 7 100   | 48,9 | 56,8 | 6 900* | 51,7 | 55,3 | 5 300* | 56,0 |
| 58,0 | 43,8 | 55,3 | 6 700   | 46,8 | 54,7 | 6 600* | 49,5 | 53,2 | 5 200* | 58,0 |
| 60,0 | 41,6 | 53,1 | 6 200   | 44,5 | 52,5 | 6 400* | 47,1 | 50,8 | 5 100* | 60,0 |
| 62,0 | 39,3 | 50,7 | 5 800   | 42,2 | 50,1 | 6 000  | 44,7 | 48,3 | 5 000* | 62,0 |
| 64,0 | 36,9 | 48,1 | 5 400   | 39,7 | 47,4 | 5 600  | 42,1 | 45,6 | 4 900* | 64,0 |
| 66,0 | 34,3 | 45,2 | 5 000   | 37,1 | 44,5 | 5 200  |      |      |        | 66,0 |
| 68,0 | 31,5 | 42,0 | 4 600   | 34,3 | 41,2 | 4 800  |      |      |        | 68,0 |
| 70,0 | 28,5 | 38,4 | 4 300   | 31,2 | 37,6 | 4 400  |      |      |        | 70,0 |
| 72,0 | 25,1 | 34,4 | 3 900   |      |      |        |      |      |        | 72,0 |
| 74,0 | 21,2 | 29,5 | 3 600   |      |      |        |      |      |        | 74,0 |

# 14000 S-3

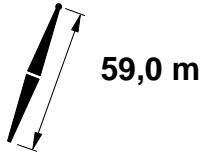
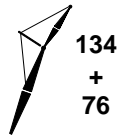
ASME B30.5



| m    | 5°   |      |         | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|---------|------|------|--------|------|------|--------|------|
|      | o    | m    | kg      | o    | m    | kg     | o    | m    | kg     |      |
| 15,2 | 80,9 | 81,6 | 10 000* |      |      |        |      |      |        | 15,2 |
| 16,0 | 80,3 | 81,5 | 9 900*  |      |      |        |      |      |        | 16,0 |
| 18,0 | 78,9 | 81,1 | 9 800*  |      |      |        |      |      |        | 18,0 |
| 20,0 | 77,4 | 80,7 | 9 700*  | 80,5 | 80,2 | 9 500* |      |      |        | 20,0 |
| 22,0 | 75,9 | 80,2 | 9 500*  | 79,0 | 79,7 | 9 400* |      |      |        | 22,0 |
| 24,0 | 74,4 | 79,6 | 9 400*  | 77,5 | 79,2 | 9 200* |      |      |        | 24,0 |
| 26,0 | 73,0 | 79,0 | 9 200*  | 76,0 | 78,6 | 9 100* | 79,2 | 77,4 | 8 800* | 26,0 |
| 28,0 | 71,4 | 78,3 | 9 000*  | 74,5 | 77,9 | 8 900* | 77,6 | 76,7 | 8 600* | 28,0 |
| 30,0 | 69,9 | 77,6 | 8 900*  | 73,0 | 77,2 | 8 800* | 76,1 | 76,0 | 8 400* | 30,0 |
| 32,0 | 68,4 | 76,8 | 8 700*  | 71,4 | 76,4 | 8 700* | 74,5 | 75,2 | 8 100* | 32,0 |
| 34,0 | 66,8 | 75,9 | 8 500*  | 69,9 | 75,5 | 8 500* | 72,9 | 74,3 | 7 800* | 34,0 |
| 36,0 | 65,3 | 75,0 | 8 400*  | 68,3 | 74,6 | 8 400* | 71,3 | 73,4 | 7 500* | 36,0 |
| 38,0 | 63,7 | 74,0 | 8 200*  | 66,7 | 73,6 | 8 300* | 69,7 | 72,4 | 7 200* | 38,0 |
| 40,0 | 62,1 | 73,0 | 8 100*  | 65,1 | 72,5 | 8 200* | 68,0 | 71,3 | 6 900* | 40,0 |
| 42,0 | 60,4 | 71,9 | 7 900*  | 63,4 | 71,4 | 8 000* | 66,4 | 70,1 | 6 700* | 42,0 |
| 44,0 | 58,8 | 70,7 | 7 800*  | 61,7 | 70,2 | 7 900* | 64,7 | 68,9 | 6 500* | 44,0 |
| 46,0 | 57,1 | 69,4 | 7 700*  | 60,0 | 68,9 | 7 800* | 62,9 | 67,6 | 6 300* | 46,0 |
| 48,0 | 55,4 | 68,0 | 7 500*  | 58,3 | 67,5 | 7 700* | 61,1 | 66,2 | 6 100* | 48,0 |
| 50,0 | 53,6 | 66,5 | 7 400*  | 56,5 | 66,0 | 7 600* | 59,3 | 64,7 | 5 900* | 50,0 |
| 52,0 | 51,8 | 65,0 | 7 300*  | 54,7 | 64,4 | 7 400* | 57,5 | 63,1 | 5 800* | 52,0 |
| 54,0 | 49,9 | 63,3 | 7 200*  | 52,8 | 62,8 | 7 300* | 55,5 | 61,3 | 5 600* | 54,0 |
| 56,0 | 48,0 | 61,5 | 7 000   | 50,9 | 61,0 | 7 100* | 53,6 | 59,5 | 5 500* | 56,0 |
| 58,0 | 46,0 | 59,6 | 6 400   | 48,9 | 59,0 | 6 800  | 51,5 | 57,5 | 5 300* | 58,0 |
| 60,0 | 44,0 | 57,6 | 6 000   | 46,8 | 57,0 | 6 300  | 49,4 | 55,4 | 5 200* | 60,0 |
| 62,0 | 41,9 | 55,4 | 5 500   | 44,7 | 54,7 | 5 800  | 47,2 | 53,1 | 5 100* | 62,0 |
| 64,0 | 39,7 | 53,0 | 5 100   | 42,4 | 52,3 | 5 400  | 44,9 | 50,6 | 5 000* | 64,0 |
| 66,0 | 37,3 | 50,4 | 4 800   | 40,1 | 49,7 | 5 000  | 42,4 | 47,9 | 4 900* | 66,0 |
| 68,0 | 34,9 | 47,6 | 4 400   | 37,6 | 46,9 | 4 600  |      |      |        | 68,0 |
| 70,0 | 32,2 | 44,5 | 4 000   | 34,9 | 43,7 | 4 200  |      |      |        | 70,0 |
| 72,0 | 29,4 | 41,0 | 3 700   | 32,0 | 40,2 | 3 900  |      |      |        | 72,0 |
| 74,0 | 26,3 | 37,1 | 3 400   |      |      |        |      |      |        | 74,0 |
| 76,0 | 22,7 | 32,6 | 3 100   |      |      |        |      |      |        | 76,0 |

# 14000 S-3

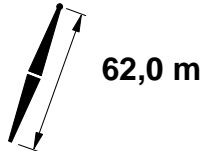
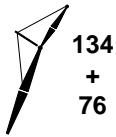
ASME B30.5



| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg     | m    | m    | kg     | m    | m    | kg     |      |
| 16,8 | 80,1 | 84,4 | 9 800* |      |      |        |      |      |        | 16,8 |
| 18,0 | 79,3 | 84,2 | 9 800* |      |      |        |      |      |        | 18,0 |
| 20,0 | 77,9 | 83,8 | 9 700* | 80,8 | 83,3 | 9 600* |      |      |        | 20,0 |
| 22,0 | 76,4 | 83,3 | 9 500* | 79,4 | 82,8 | 9 400* |      |      |        | 22,0 |
| 24,0 | 75,0 | 82,7 | 9 300* | 78,0 | 82,3 | 9 200* |      |      |        | 24,0 |
| 26,0 | 73,6 | 82,1 | 9 200* | 76,5 | 81,7 | 9 100* | 79,6 | 80,6 | 8 800* | 26,0 |
| 28,0 | 72,1 | 81,5 | 9 000* | 75,1 | 81,1 | 8 900* | 78,1 | 79,9 | 8 700* | 28,0 |
| 30,0 | 70,7 | 80,8 | 8 800* | 73,6 | 80,4 | 8 800* | 76,6 | 79,2 | 8 500* | 30,0 |
| 32,0 | 69,2 | 80,1 | 8 700* | 72,1 | 79,6 | 8 700* | 75,1 | 78,4 | 8 200* | 32,0 |
| 34,0 | 67,7 | 79,2 | 8 500* | 70,6 | 78,8 | 8 500* | 73,6 | 77,6 | 7 900* | 34,0 |
| 36,0 | 66,2 | 78,4 | 8 400* | 69,1 | 77,9 | 8 400* | 72,1 | 76,7 | 7 600* | 36,0 |
| 38,0 | 64,7 | 77,4 | 8 200* | 67,6 | 77,0 | 8 300* | 70,5 | 75,7 | 7 300* | 38,0 |
| 40,0 | 63,2 | 76,4 | 8 100* | 66,1 | 75,9 | 8 200* | 68,9 | 74,7 | 7 100* | 40,0 |
| 42,0 | 61,6 | 75,3 | 8 000* | 64,5 | 74,9 | 8 100* | 67,3 | 73,6 | 6 800* | 42,0 |
| 44,0 | 60,0 | 74,2 | 7 800* | 62,9 | 73,7 | 7 900* | 65,7 | 72,4 | 6 600* | 44,0 |
| 46,0 | 58,4 | 73,0 | 7 700* | 61,3 | 72,5 | 7 800* | 64,1 | 71,2 | 6 400* | 46,0 |
| 48,0 | 56,8 | 71,7 | 7 600* | 59,6 | 71,2 | 7 800* | 62,4 | 69,8 | 6 200* | 48,0 |
| 50,0 | 55,1 | 70,3 | 7 400* | 57,9 | 69,8 | 7 700* | 60,7 | 68,4 | 6 000* | 50,0 |
| 52,0 | 53,4 | 68,8 | 7 300* | 56,2 | 68,3 | 7 500* | 58,9 | 66,9 | 5 900* | 52,0 |
| 54,0 | 51,7 | 67,2 | 7 200* | 54,5 | 66,7 | 7 400* | 57,1 | 65,3 | 5 700* | 54,0 |
| 56,0 | 49,9 | 65,6 | 6 800  | 52,7 | 65,0 | 7 100  | 55,3 | 63,6 | 5 600* | 56,0 |
| 58,0 | 48,0 | 63,8 | 6 300  | 50,8 | 63,2 | 6 600  | 53,4 | 61,7 | 5 400* | 58,0 |
| 60,0 | 46,1 | 61,9 | 5 800  | 48,9 | 61,3 | 6 100  | 51,4 | 59,7 | 5 300* | 60,0 |
| 62,0 | 44,2 | 59,8 | 5 300  | 46,9 | 59,2 | 5 600  | 49,4 | 57,6 | 5 200* | 62,0 |
| 64,0 | 42,1 | 57,6 | 4 900  | 44,8 | 57,0 | 5 200  | 47,2 | 55,3 | 5 100* | 64,0 |
| 66,0 | 40,0 | 55,3 | 4 600  | 42,7 | 54,6 | 4 800  | 45,0 | 52,9 | 4 900* | 66,0 |
| 68,0 | 37,8 | 52,8 | 4 200  | 40,4 | 52,1 | 4 400  | 42,7 | 50,2 | 4 600  | 68,0 |
| 70,0 | 35,4 | 50,0 | 3 900  | 38,1 | 49,3 | 4 100  | 40,2 | 47,3 | 4 200  | 70,0 |
| 72,0 | 33,0 | 47,0 | 3 500  | 35,5 | 46,2 | 3 700  |      |      |        | 72,0 |
| 74,0 | 30,3 | 43,6 | 3 200  | 32,8 | 42,8 | 3 400  |      |      |        | 74,0 |
| 76,0 | 27,4 | 39,9 | 2 900  | 29,8 | 39,0 | 3 100  |      |      |        | 76,0 |
| 78,0 | 24,1 | 35,6 | 2 700  |      |      |        |      |      |        | 78,0 |
| 80,0 | 20,4 | 30,6 | 2 400  |      |      |        |      |      |        | 80,0 |

# 14000 S-3

ASME B30.5

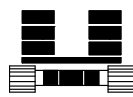
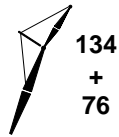


| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | kg   | kg     | m    | kg   | kg     | m    | kg   | kg     |      |
| 16,8 | 80,5 | 87,5 | 9 700* |      |      |        |      |      |        | 16,8 |
| 18,0 | 79,6 | 87,2 | 9 700* |      |      |        |      |      |        | 18,0 |
| 20,0 | 78,3 | 86,8 | 9 600* |      |      |        |      |      |        | 20,0 |
| 22,0 | 76,9 | 86,3 | 9 500* | 79,8 | 85,9 | 9 300* |      |      |        | 22,0 |
| 24,0 | 75,6 | 85,8 | 9 300* | 78,4 | 85,4 | 9 200* |      |      |        | 24,0 |
| 26,0 | 74,2 | 85,3 | 9 100* | 77,0 | 84,8 | 9 100* | 80,0 | 83,7 | 8 800* | 26,0 |
| 28,0 | 72,8 | 84,7 | 9 000* | 75,6 | 84,2 | 8 900* | 78,5 | 83,0 | 8 700* | 28,0 |
| 30,0 | 71,4 | 84,0 | 8 800* | 74,2 | 83,5 | 8 800* | 77,1 | 82,4 | 8 500* | 30,0 |
| 32,0 | 70,0 | 83,3 | 8 700* | 72,8 | 82,8 | 8 700* | 75,7 | 81,6 | 8 300* | 32,0 |
| 34,0 | 68,5 | 82,5 | 8 500* | 71,4 | 82,0 | 8 500* | 74,2 | 80,8 | 8 000* | 34,0 |
| 36,0 | 67,1 | 81,6 | 8 400* | 69,9 | 81,2 | 8 400* | 72,7 | 80,0 | 7 700* | 36,0 |
| 38,0 | 65,7 | 80,7 | 8 200* | 68,5 | 80,3 | 8 300* | 71,3 | 79,0 | 7 500* | 38,0 |
| 40,0 | 64,2 | 79,8 | 8 100* | 67,0 | 79,3 | 8 200* | 69,8 | 78,1 | 7 200* | 40,0 |
| 42,0 | 62,7 | 78,7 | 8 000* | 65,5 | 78,3 | 8 100* | 68,2 | 77,0 | 7 000* | 42,0 |
| 44,0 | 61,2 | 77,6 | 7 800* | 63,9 | 77,2 | 8 000* | 66,7 | 75,9 | 6 800* | 44,0 |
| 46,0 | 59,6 | 76,5 | 7 700* | 62,4 | 76,0 | 7 900* | 65,1 | 74,7 | 6 500* | 46,0 |
| 48,0 | 58,1 | 75,2 | 7 600* | 60,8 | 74,7 | 7 800* | 63,5 | 73,4 | 6 400* | 48,0 |
| 50,0 | 56,5 | 73,9 | 7 500* | 59,2 | 73,4 | 7 700* | 61,9 | 72,1 | 6 200* | 50,0 |
| 52,0 | 54,9 | 72,5 | 7 400* | 57,6 | 72,0 | 7 600* | 60,2 | 70,6 | 6 000* | 52,0 |
| 54,0 | 53,2 | 71,0 | 7 100* | 55,9 | 70,5 | 7 500* | 58,5 | 69,1 | 5 800* | 54,0 |
| 56,0 | 51,5 | 69,5 | 6 600  | 54,2 | 68,9 | 7 000  | 56,8 | 67,5 | 5 700* | 56,0 |
| 58,0 | 49,8 | 67,8 | 6 100  | 52,5 | 67,2 | 6 400  | 55,0 | 65,7 | 5 600* | 58,0 |
| 60,0 | 48,0 | 66,0 | 5 600  | 50,7 | 65,4 | 5 900  | 53,2 | 63,9 | 5 400* | 60,0 |
| 62,0 | 46,2 | 64,1 | 5 200  | 48,8 | 63,5 | 5 500  | 51,3 | 61,9 | 5 300* | 62,0 |
| 64,0 | 44,3 | 62,1 | 4 800  | 46,9 | 61,5 | 5 100  | 49,3 | 59,8 | 5 200* | 64,0 |
| 66,0 | 42,3 | 59,9 | 4 400  | 45,0 | 59,3 | 4 700  | 47,3 | 57,6 | 4 900  | 66,0 |
| 68,0 | 40,3 | 57,6 | 4 000  | 42,9 | 56,9 | 4 300  | 45,1 | 55,1 | 4 500  | 68,0 |
| 70,0 | 38,2 | 55,1 | 3 700  | 40,7 | 54,4 | 3 900  | 42,9 | 52,5 | 4 100  | 70,0 |
| 72,0 | 35,9 | 52,3 | 3 400  | 38,5 | 51,6 | 3 600  |      |      |        | 72,0 |
| 74,0 | 33,6 | 49,4 | 3 100  | 36,1 | 48,6 | 3 300  |      |      |        | 74,0 |
| 76,0 | 31,1 | 46,2 | 2 800  | 33,5 | 45,3 | 2 900  |      |      |        | 76,0 |
| 78,0 | 28,3 | 42,6 | 2 500  | 30,7 | 41,7 | 2 700  |      |      |        | 78,0 |
| 80,0 | 25,3 | 38,5 | 2 200  |      |      |        |      |      |        | 80,0 |
| 82,0 | 21,9 | 33,8 | 1 900* |      |      |        |      |      |        | 82,0 |

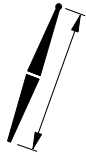


# 14000 S-3

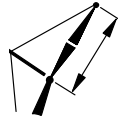
ASME B30.5



80 740 kg  
+  
31 980 kg



65,0 m

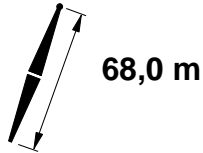
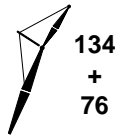


24,4 m

| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg     | m    | m    | kg     | m    | m    | kg     |      |
| 16,8 | 80,8 | 90,5 | 9 600* |      |      |        |      |      |        | 16,8 |
| 18,0 | 80,0 | 90,3 | 9 600* |      |      |        |      |      |        | 18,0 |
| 20,0 | 78,7 | 89,9 | 9 500* |      |      |        |      |      |        | 20,0 |
| 22,0 | 77,4 | 89,5 | 9 400* | 80,1 | 89,0 | 9 300* |      |      |        | 22,0 |
| 24,0 | 76,0 | 89,0 | 9 300* | 78,8 | 88,5 | 9 200* |      |      |        | 24,0 |
| 26,0 | 74,7 | 88,4 | 9 100* | 77,5 | 88,0 | 9 000* | 80,3 | 86,8 | 8 800* | 26,0 |
| 28,0 | 73,4 | 87,8 | 9 000* | 76,1 | 87,4 | 8 900* | 79,0 | 86,2 | 8 700* | 28,0 |
| 30,0 | 72,0 | 87,2 | 8 800* | 74,8 | 86,7 | 8 800* | 77,6 | 85,5 | 8 500* | 30,0 |
| 32,0 | 70,7 | 86,5 | 8 700* | 73,4 | 86,0 | 8 600* | 76,2 | 84,8 | 8 400* | 32,0 |
| 34,0 | 69,3 | 85,7 | 8 500* | 72,0 | 85,3 | 8 500* | 74,8 | 84,1 | 8 100* | 34,0 |
| 36,0 | 67,9 | 84,9 | 8 400* | 70,6 | 84,5 | 8 400* | 73,4 | 83,2 | 7 800* | 36,0 |
| 38,0 | 66,5 | 84,0 | 8 200* | 69,2 | 83,6 | 8 300* | 72,0 | 82,3 | 7 600* | 38,0 |
| 40,0 | 65,1 | 83,1 | 8 100* | 67,8 | 82,7 | 8 200* | 70,5 | 81,4 | 7 300* | 40,0 |
| 42,0 | 63,7 | 82,1 | 8 000* | 66,4 | 81,7 | 8 100* | 69,1 | 80,4 | 7 100* | 42,0 |
| 44,0 | 62,2 | 81,1 | 7 800* | 64,9 | 80,6 | 8 000* | 67,6 | 79,3 | 6 900* | 44,0 |
| 46,0 | 60,8 | 80,0 | 7 800* | 63,4 | 79,5 | 7 900* | 66,1 | 78,2 | 6 700* | 46,0 |
| 48,0 | 59,3 | 78,8 | 7 600* | 61,9 | 78,3 | 7 800* | 64,5 | 77,0 | 6 500* | 48,0 |
| 50,0 | 57,8 | 77,5 | 7 500* | 60,4 | 77,0 | 7 700* | 63,0 | 75,7 | 6 300* | 50,0 |
| 52,0 | 56,2 | 76,2 | 7 400* | 58,9 | 75,7 | 7 600* | 61,4 | 74,3 | 6 100* | 52,0 |
| 54,0 | 54,7 | 74,8 | 7 000* | 57,3 | 74,3 | 7 400* | 59,8 | 72,9 | 6 000* | 54,0 |
| 56,0 | 53,1 | 73,3 | 6 400* | 55,7 | 72,8 | 6 800* | 58,2 | 71,3 | 5 800* | 56,0 |
| 58,0 | 51,4 | 71,7 | 5 900* | 54,0 | 71,2 | 6 300* | 56,5 | 69,7 | 5 700* | 58,0 |
| 60,0 | 49,8 | 70,0 | 5 400* | 52,3 | 69,5 | 5 800* | 54,8 | 68,0 | 5 500* | 60,0 |
| 62,0 | 48,0 | 68,3 | 5 000* | 50,6 | 67,7 | 5 300* | 53,0 | 66,1 | 5 400* | 62,0 |
| 64,0 | 46,3 | 66,4 | 4 600* | 48,8 | 65,8 | 4 900* | 51,2 | 64,2 | 5 200* | 64,0 |
| 66,0 | 44,4 | 64,3 | 4 200* | 47,0 | 63,7 | 4 500* | 49,3 | 62,1 | 4 800* | 66,0 |
| 68,0 | 42,6 | 62,2 | 3 800* | 45,1 | 61,6 | 4 100* | 47,3 | 59,8 | 4 400* | 68,0 |
| 70,0 | 40,6 | 59,9 | 3 500* | 43,1 | 59,2 | 3 800* | 45,3 | 57,4 | 4 000* | 70,0 |
| 72,0 | 38,6 | 57,4 | 3 200* | 41,0 | 56,7 | 3 400* | 43,1 | 54,9 | 3 600* | 72,0 |
| 74,0 | 36,4 | 54,7 | 2 900* | 38,9 | 54,0 | 3 100* | 40,9 | 52,1 | 3 300* | 74,0 |
| 76,0 | 34,2 | 51,9 | 2 600* | 36,6 | 51,1 | 2 800* |      |      |        | 76,0 |
| 78,0 | 31,8 | 48,7 | 2 300* | 34,2 | 47,9 | 2 500* |      |      |        | 78,0 |
| 80,0 | 29,2 | 45,2 | 2 000* | 31,5 | 44,3 | 2 200* |      |      |        | 80,0 |
| 82,0 |      |      |        | 28,7 | 40,3 | 1 900* |      |      |        | 82,0 |

# 14000 S-3

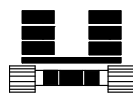
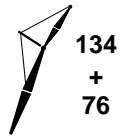
ASME B30.5



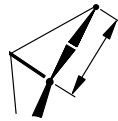
| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg     | m    | m    | kg     | m    | m    | kg     |      |
| 18,3 | 80,1 | 93,3 | 9 500* |      |      |        |      |      |        | 18,3 |
| 20,0 | 79,1 | 92,9 | 9 500* |      |      |        |      |      |        | 20,0 |
| 22,0 | 77,8 | 92,5 | 9 300* | 80,5 | 92,1 | 9 300* |      |      |        | 22,0 |
| 24,0 | 76,5 | 92,0 | 9 200* | 79,2 | 91,6 | 9 100* |      |      |        | 24,0 |
| 26,0 | 75,2 | 91,5 | 9 100* | 77,9 | 91,1 | 9 000* | 80,6 | 89,9 | 8 800* | 26,0 |
| 28,0 | 73,9 | 90,9 | 8 900* | 76,6 | 90,5 | 8 900* | 79,3 | 89,3 | 8 700* | 28,0 |
| 30,0 | 72,6 | 90,3 | 8 800* | 75,3 | 89,9 | 8 700* | 78,0 | 88,7 | 8 600* | 30,0 |
| 32,0 | 71,3 | 89,6 | 8 600* | 74,0 | 89,2 | 8 600* | 76,7 | 88,0 | 8 400* | 32,0 |
| 34,0 | 70,0 | 88,9 | 8 500* | 72,6 | 88,5 | 8 500* | 75,3 | 87,2 | 8 300* | 34,0 |
| 36,0 | 68,7 | 88,1 | 8 300* | 71,3 | 87,7 | 8 400* | 74,0 | 86,4 | 8 000* | 36,0 |
| 38,0 | 67,3 | 87,3 | 8 200* | 70,0 | 86,8 | 8 300* | 72,6 | 85,6 | 7 700* | 38,0 |
| 40,0 | 66,0 | 86,4 | 8 100* | 68,6 | 85,9 | 8 200* | 71,2 | 84,7 | 7 400* | 40,0 |
| 42,0 | 64,6 | 85,5 | 7 900* | 67,2 | 85,0 | 8 000* | 69,8 | 83,7 | 7 200* | 42,0 |
| 44,0 | 63,2 | 84,5 | 7 800* | 65,8 | 84,0 | 7 900* | 68,4 | 82,7 | 7 000* | 44,0 |
| 46,0 | 61,8 | 83,4 | 7 700* | 64,4 | 82,9 | 7 800* | 67,0 | 81,6 | 6 800* | 46,0 |
| 48,0 | 60,4 | 82,3 | 7 600* | 63,0 | 81,8 | 7 800* | 65,5 | 80,5 | 6 600* | 48,0 |
| 50,0 | 58,9 | 81,1 | 7 500* | 61,5 | 80,6 | 7 700* | 64,0 | 79,2 | 6 400* | 50,0 |
| 52,0 | 57,5 | 79,8 | 7 300* | 60,0 | 79,3 | 7 600* | 62,5 | 77,9 | 6 200* | 52,0 |
| 54,0 | 56,0 | 78,5 | 6 700* | 58,5 | 77,9 | 7 100* | 61,0 | 76,5 | 6 100* | 54,0 |
| 56,0 | 54,5 | 77,0 | 6 100* | 57,0 | 76,5 | 6 500* | 59,4 | 75,1 | 5 900* | 56,0 |
| 58,0 | 52,9 | 75,5 | 5 600* | 55,4 | 75,0 | 6 000* | 57,8 | 73,5 | 5 800* | 58,0 |
| 60,0 | 51,3 | 73,9 | 5 200* | 53,8 | 73,4 | 5 500* | 56,2 | 71,9 | 5 600* | 60,0 |
| 62,0 | 49,7 | 72,3 | 4 700* | 52,2 | 71,7 | 5 100* | 54,5 | 70,2 | 5 400* | 62,0 |
| 64,0 | 48,0 | 70,5 | 4 300* | 50,5 | 69,9 | 4 600* | 52,8 | 68,3 | 5 000* | 64,0 |
| 66,0 | 46,3 | 68,6 | 3 900* | 48,8 | 68,0 | 4 200* | 51,0 | 66,4 | 4 500* | 66,0 |
| 68,0 | 44,6 | 66,6 | 3 600* | 47,0 | 66,0 | 3 900* | 49,2 | 64,3 | 4 100* | 68,0 |
| 70,0 | 42,8 | 64,4 | 3 200* | 45,2 | 63,8 | 3 500* | 47,3 | 62,1 | 3 800* | 70,0 |
| 72,0 | 40,9 | 62,1 | 2 900* | 43,3 | 61,5 | 3 200* | 45,4 | 59,7 | 3 400* | 72,0 |
| 74,0 | 38,9 | 59,7 | 2 600* | 41,3 | 59,0 | 2 800* | 43,3 | 57,1 | 3 100* | 74,0 |
| 76,0 | 36,9 | 57,1 | 2 300* | 39,2 | 56,3 | 2 500* | 41,2 | 54,4 | 2 700* | 76,0 |
| 78,0 |      |      |        | 37,0 | 53,5 | 2 200* |      |      |        | 78,0 |

# 14000 S-3

ASME B30.5



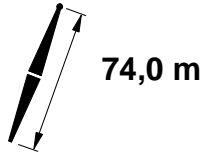
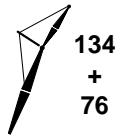
80 740 kg  
+  
31 980 kg



| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg     | m    | m    | kg     | m    | m    | kg     |      |
| 18,3 | 80,4 | 96,3 | 9 400* |      |      |        |      |      |        | 18,3 |
| 20,0 | 79,4 | 96,0 | 9 400* |      |      |        |      |      |        | 20,0 |
| 22,0 | 78,2 | 95,6 | 9 300* |      |      |        |      |      |        | 22,0 |
| 24,0 | 76,9 | 95,1 | 9 200* | 79,5 | 94,7 | 9 100* |      |      |        | 24,0 |
| 26,0 | 75,7 | 94,6 | 9 000* | 78,3 | 94,2 | 9 000* | 81,0 | 93,0 | 8 700* | 26,0 |
| 28,0 | 74,5 | 94,1 | 8 900* | 77,0 | 93,6 | 8 800* | 79,7 | 92,4 | 8 700* | 28,0 |
| 30,0 | 73,2 | 93,4 | 8 700* | 75,8 | 93,0 | 8 700* | 78,4 | 91,8 | 8 600* | 30,0 |
| 32,0 | 71,9 | 92,8 | 8 600* | 74,5 | 92,3 | 8 600* | 77,1 | 91,1 | 8 400* | 32,0 |
| 34,0 | 70,7 | 92,1 | 8 500* | 73,2 | 91,6 | 8 500* | 75,8 | 90,4 | 8 300* | 34,0 |
| 36,0 | 69,4 | 91,3 | 8 300* | 71,9 | 90,9 | 8 400* | 74,5 | 89,7 | 8 100* | 36,0 |
| 38,0 | 68,1 | 90,5 | 8 200* | 70,6 | 90,1 | 8 300* | 73,2 | 88,8 | 7 800* | 38,0 |
| 40,0 | 66,8 | 89,7 | 8 100* | 69,3 | 89,2 | 8 100* | 71,9 | 88,0 | 7 600* | 40,0 |
| 42,0 | 65,5 | 88,8 | 7 900* | 68,0 | 88,3 | 8 000* | 70,5 | 87,0 | 7 300* | 42,0 |
| 44,0 | 64,1 | 87,8 | 7 800* | 66,6 | 87,3 | 8 000* | 69,1 | 86,0 | 7 100* | 44,0 |
| 46,0 | 62,8 | 86,8 | 7 700* | 65,3 | 86,3 | 7 800* | 67,8 | 85,0 | 6 900* | 46,0 |
| 48,0 | 61,4 | 85,7 | 7 600* | 63,9 | 85,2 | 7 700* | 66,4 | 83,9 | 6 700* | 48,0 |
| 50,0 | 60,0 | 84,6 | 7 500* | 62,5 | 84,1 | 7 700* | 65,0 | 82,7 | 6 500* | 50,0 |
| 52,0 | 58,6 | 83,3 | 7 300* | 61,1 | 82,8 | 7 600* | 63,5 | 81,5 | 6 400* | 52,0 |
| 54,0 | 57,2 | 82,1 | 6 700* | 59,7 | 81,5 | 7 200* | 62,1 | 80,2 | 6 200* | 54,0 |
| 56,0 | 55,7 | 80,7 | 6 100* | 58,2 | 80,2 | 6 600* | 60,6 | 78,8 | 6 000* | 56,0 |
| 58,0 | 54,3 | 79,3 | 5 600* | 56,7 | 78,7 | 6 000* | 59,1 | 77,3 | 5 900* | 58,0 |
| 60,0 | 52,8 | 77,8 | 5 200* | 55,2 | 77,2 | 5 600* | 57,5 | 75,7 | 5 800* | 60,0 |
| 62,0 | 51,2 | 76,2 | 4 700* | 53,7 | 75,6 | 5 100* | 55,9 | 74,1 | 5 500* | 62,0 |
| 64,0 | 49,6 | 74,5 | 4 300* | 52,1 | 73,9 | 4 700* | 54,3 | 72,4 | 5 000* | 64,0 |
| 66,0 | 48,0 | 72,7 | 3 900* | 50,4 | 72,1 | 4 300* | 52,6 | 70,5 | 4 600* | 66,0 |
| 68,0 | 46,4 | 70,8 | 3 600* | 48,8 | 70,2 | 3 900* | 50,9 | 68,6 | 4 200* | 68,0 |
| 70,0 | 44,7 | 68,8 | 3 200* | 47,1 | 68,2 | 3 500* | 49,2 | 66,5 | 3 800* | 70,0 |
| 72,0 | 42,9 | 66,7 | 2 900* | 45,3 | 66,0 | 3 200* | 47,4 | 64,3 | 3 400* | 72,0 |
| 74,0 | 41,1 | 64,4 | 2 600* | 43,5 | 63,7 | 2 900* | 45,5 | 61,9 | 3 100* | 74,0 |
| 76,0 | 39,2 | 62,0 | 2 300* | 41,5 | 61,3 | 2 600* | 43,5 | 59,4 | 2 800* | 76,0 |
| 78,0 | 37,3 | 59,4 | 2 000* | 39,6 | 58,7 | 2 300* | 41,4 | 56,7 | 2 500* | 78,0 |
| 80,0 |      |      |        | 37,5 | 55,8 | 1 900* |      |      |        | 80,0 |

# 14000 S-3

ASME B30.5



| m    | 5°   |      |        | 15°  |      |        | 25°  |      |        | m    |
|------|------|------|--------|------|------|--------|------|------|--------|------|
|      | m    | m    | kg     | m    | m    | kg     | m    | m    | kg     |      |
| 18,3 | 80,7 | 99,4 | 9 300* |      |      |        |      |      |        | 18,3 |
| 20,0 | 79,7 | 99,1 | 9 300* |      |      |        |      |      |        | 20,0 |
| 22,0 | 78,5 | 98,7 | 9 200* |      |      |        |      |      |        | 22,0 |
| 24,0 | 77,3 | 98,2 | 9 100* | 79,9 | 97,8 | 9 000* |      |      |        | 24,0 |
| 26,0 | 76,2 | 97,7 | 9 000* | 78,7 | 97,3 | 8 900* |      |      |        | 26,0 |
| 28,0 | 74,9 | 97,2 | 8 800* | 77,4 | 96,7 | 8 800* | 80,0 | 95,5 | 8 600* | 28,0 |
| 30,0 | 73,7 | 96,6 | 8 700* | 76,2 | 96,2 | 8 700* | 78,8 | 94,9 | 8 500* | 30,0 |
| 32,0 | 72,5 | 96,0 | 8 600* | 75,0 | 95,5 | 8 600* | 77,5 | 94,3 | 8 400* | 32,0 |
| 34,0 | 71,3 | 95,3 | 8 400* | 73,8 | 94,8 | 8 400* | 76,3 | 93,6 | 8 300* | 34,0 |
| 36,0 | 70,0 | 94,6 | 8 300* | 72,5 | 94,1 | 8 300* | 75,0 | 92,9 | 8 200* | 36,0 |
| 38,0 | 68,8 | 93,8 | 8 200* | 71,3 | 93,3 | 8 300* | 73,7 | 92,1 | 7 900* | 38,0 |
| 40,0 | 67,5 | 93,0 | 8 000* | 70,0 | 92,5 | 8 100* | 72,5 | 91,2 | 7 700* | 40,0 |
| 42,0 | 66,3 | 92,1 | 7 900* | 68,7 | 91,6 | 8 000* | 71,2 | 90,3 | 7 400* | 42,0 |
| 44,0 | 65,0 | 91,2 | 7 800* | 67,4 | 90,7 | 7 900* | 69,9 | 89,4 | 7 200* | 44,0 |
| 46,0 | 63,7 | 90,2 | 7 700* | 66,1 | 89,7 | 7 800* | 68,5 | 88,4 | 7 000* | 46,0 |
| 48,0 | 62,4 | 89,1 | 7 600* | 64,8 | 88,6 | 7 700* | 67,2 | 87,3 | 6 800* | 48,0 |
| 50,0 | 61,0 | 88,0 | 7 500* | 63,5 | 87,5 | 7 600* | 65,8 | 86,2 | 6 600* | 50,0 |
| 52,0 | 59,7 | 86,9 | 7 100  | 62,1 | 86,4 | 7 500* | 64,5 | 85,0 | 6 500* | 52,0 |
| 54,0 | 58,3 | 85,6 | 6 500  | 60,7 | 85,1 | 7 000  | 63,1 | 83,8 | 6 300* | 54,0 |
| 56,0 | 56,9 | 84,4 | 6 000  | 59,3 | 83,8 | 6 400  | 61,6 | 82,4 | 6 100* | 56,0 |
| 58,0 | 55,5 | 83,0 | 5 500  | 57,9 | 82,5 | 5 900  | 60,2 | 81,0 | 6 000* | 58,0 |
| 60,0 | 54,1 | 81,5 | 5 000  | 56,5 | 81,0 | 5 400  | 58,7 | 79,5 | 5 800* | 60,0 |
| 62,0 | 52,6 | 80,0 | 4 600  | 55,0 | 79,5 | 4 900  | 57,2 | 78,0 | 5 300  | 62,0 |
| 64,0 | 51,1 | 78,4 | 4 100  | 53,5 | 77,9 | 4 500  | 55,7 | 76,3 | 4 900  | 64,0 |
| 66,0 | 49,6 | 76,7 | 3 800  | 52,0 | 76,2 | 4 100  | 54,1 | 74,6 | 4 400  | 66,0 |
| 68,0 | 48,0 | 74,9 | 3 400  | 50,4 | 74,4 | 3 700  | 52,5 | 72,8 | 4 000  | 68,0 |
| 70,0 | 46,4 | 73,1 | 3 100  | 48,8 | 72,5 | 3 400  | 50,9 | 70,8 | 3 700  | 70,0 |
| 72,0 | 44,8 | 71,1 | 2 700  | 47,1 | 70,4 | 3 000  | 49,2 | 68,8 | 3 300  | 72,0 |
| 74,0 | 43,1 | 69,0 | 2 400* | 45,4 | 68,3 | 2 700  | 47,4 | 66,6 | 3 000  | 74,0 |
| 76,0 | 41,4 | 66,7 | 2 100* | 43,6 | 66,0 | 2 400  | 45,6 | 64,2 | 2 600  | 76,0 |
| 78,0 |      |      |        | 41,8 | 63,6 | 2 100* | 43,7 | 61,7 | 2 300  | 78,0 |
| 80,0 |      |      |        |      |      |        | 41,7 | 59,1 | 2 000* | 80,0 |