


# Liftcrane Boom Capacities

**Boom No. B10:82A**  
**149,600 lb Crane Counterweight**  
**0 lb Carbody Counterweight**  
**360 Degree Rating**

## MLC250 SERIES 1

 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

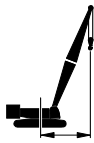
Upper boom point capacity for liftcrane service with single part whip line from Drum 1 or Drum 2 is 29,500 lb or 59,000 lb with two part whip line. When Drum 3 is used, capacity with single part whip line is 20,000 lb or 40,000 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.


**BOOM BACKWARD STABILITY:** Capacities indicated by (b) require 12,500 lb minimum weight. **Caution: Do not operate in areas indicated by (b) without required minimum weight. Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.**

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface with gantry up. Refer to Boom Rigging **No. 80137888**, Wire Rope Specifications chart **No. 9909-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9908-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9907-A**.

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

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

 **BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, and boom support straps.

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

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (ft)	Jib Offset Angle		
	5°	15°	25°
Deduct (lb)			
30.0	5,000	5,700	6,800
40.0	5,800	7,300	8,900
50.0	6,700	8,800	11,000
60.0	7,700	10,400	13,000
70.0	8,400	11,600	14,900
80.0	9,300	12,900	16,900

Weight of jib and 3,000 lb suspended beneath jib point have been included in determination of deduct.

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

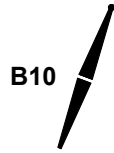
Combined weight beneath boom point sheaves must not exceed block weight shown.

**Table 1**

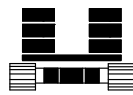
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Over End or Side of Crawlers	Over End of Blocked Crawlers
		Block Weight (lb)	
70.0 - 160.0	8	10,000	10,000
170.0	8	9,200	9,800
180.0	8	6,900	7,800
190.0	8	4,500	5,600
200.0	8	#	4,600
210.0	8	#	4,200
220.0	8	#	#
230.0	8		#
240.0	8		#
250.0 (a)	2		#

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

## Explanation of Symbols



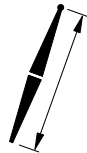
Boom No. B10:82A



Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



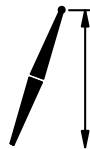
Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Boom Point Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

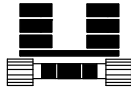
REFERENCE ONLY!

# MLC250 S-1

ASME B30.5



B10



149,600 lb  
+  
0 lb



360°

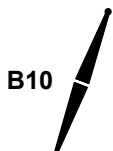
70.0 ft			
ft	°	ft	lb
16	82.8	77.4	451,000 b
17	82.0	77.2	426,500 b
18	81.1	77.0	404,500 b
19	80.3	76.8	384,500 b
20	79.5	76.6	366,400 b
22	77.8	76.1	334,700 b
24	76.1	75.6	294,000 b
26	74.4	75.0	255,500
28	72.7	74.3	225,500
30	70.9	73.6	201,600
32	69.2	72.8	182,000
34	67.4	71.9	165,600
36	65.6	71.0	151,800
38	63.7	70.0	139,900
40	61.9	68.9	129,600
42	60.0	67.7	120,600
44	58.0	66.4	112,600
46	56.0	65.0	105,600
48	54.0	63.5	99,200
50	51.9	61.9	93,500
55	46.3	57.2	81,400
60	40.1	51.5	71,700
65	32.9	44.3	63,700
70	23.7	34.3	57,000

80.0 ft			
ft	°	ft	lb
17	83.0	87.3	425,700 b
18	82.3	87.2	403,700 b
19	81.5	87.0	383,800 b
20	80.8	86.8	365,600 b
22	79.4	86.4	334,000 b
24	77.9	85.9	294,400 b
26	76.4	85.4	255,800
28	74.9	84.8	225,800
30	73.4	84.2	201,700
32	71.9	83.5	182,100
34	70.4	82.8	165,700
36	68.8	82.0	151,800
38	67.3	81.1	139,900
40	65.7	80.2	129,600
42	64.1	79.2	120,500
44	62.5	78.1	112,600
46	60.8	76.9	105,500
48	59.1	75.7	99,100
50	57.4	74.4	93,400
55	53.0	70.7	81,300
60	48.2	66.3	71,600
65	43.1	61.1	63,700
70	37.3	54.9	57,000
75	30.6	47.0	51,300
80	22.0	36.1	46,400

90.0 ft			
ft	°	ft	lb
19	82.5	97.1	383,100 b
20	81.8	97.0	365,000 b
22	80.6	96.6	333,300 b
24	79.3	96.2	294,800 b
26	77.9	95.7	256,000
28	76.6	95.2	225,900
30	75.3	94.7	201,800
32	74.0	94.1	182,100
34	72.6	93.4	165,700
36	71.3	92.7	151,800
38	69.9	91.9	139,800
40	68.6	91.1	129,500
42	67.2	90.3	120,400
44	65.8	89.3	112,500
46	64.3	88.3	105,300
48	62.9	87.3	99,000
50	61.4	86.2	93,300
55	57.7	83.1	81,200
60	53.8	79.5	71,500
65	49.6	75.3	63,500
70	45.2	70.5	56,900
75	40.4	64.8	51,200
80	35.0	58.0	46,300
85	28.7	49.5	42,100
90	20.7	37.9	38,300

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ASME B30.5



**100.0 ft**

ft	o	ft	lb
20	82.7	107.1	364,900 <b>b</b>
22	81.5	106.8	333,200 <b>b</b>
24	80.3	106.4	295,200 <b>b</b>
26	79.2	106.0	256,400
28	78.0	105.5	226,300
30	76.8	105.0	202,100
32	75.6	104.5	182,400
34	74.4	103.9	165,900
36	73.2	103.3	152,000
38	72.0	102.6	140,100
40	70.8	101.9	129,700
42	69.6	101.1	120,600
44	68.3	100.3	112,600
46	67.1	99.4	105,500
48	65.8	98.5	99,200
50	64.6	97.5	93,400
55	61.3	94.8	81,300
60	57.9	91.7	71,600
65	54.4	88.2	63,700
70	50.8	84.2	57,100
75	46.9	79.6	51,400
80	42.7	74.4	46,600
85	38.2	68.2	42,400
90	33.1	60.9	38,700
95	27.2	51.8	35,400
100	19.5	39.5	32,400

**110.0 ft**

ft	o	ft	lb
22	82.3	116.9	332,500
24	81.2	116.6	295,400
26	80.2	116.2	256,500
28	79.1	115.8	226,300
30	78.0	115.3	202,100
32	77.0	114.8	182,300
34	75.9	114.3	165,800
36	74.8	113.8	151,800
38	73.7	113.1	139,900
40	72.6	112.5	129,500
42	71.5	111.8	120,400
44	70.4	111.1	112,400
46	69.3	110.3	105,300
48	68.2	109.5	98,900
50	67.0	108.6	93,200
55	64.1	106.2	81,000
60	61.2	103.5	71,300
65	58.1	100.4	63,400
70	55.0	97.0	56,700
75	51.7	93.1	51,100
80	48.2	88.7	46,200
85	44.5	83.7	42,000
90	40.6	78.0	38,400
95	36.3	71.5	35,100
100	31.5	63.7	32,200
105	25.8	54.1	29,500
110	18.6	41.1	27,100

**120.0 ft**

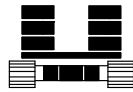
ft	o	ft	lb
22	82.9	127.0	324,500
24	82.0	126.7	295,600
26	81.0	126.4	256,700
28	80.0	126.0	226,400
30	79.1	125.6	202,200
32	78.1	125.1	182,400
34	77.1	124.7	165,900
36	76.1	124.1	151,900
38	75.1	123.6	139,900
40	74.1	123.0	129,500
42	73.1	122.4	120,400
44	72.1	121.7	112,400
46	71.1	121.0	105,300
48	70.1	120.2	98,900
50	69.1	119.5	93,100
55	66.5	117.3	81,000
60	63.8	114.9	71,300
65	61.1	112.1	63,300
70	58.3	109.1	56,700
75	55.4	105.7	51,000
80	52.4	101.9	46,200
85	49.3	97.7	42,000
90	46.0	92.9	38,300
95	42.5	87.6	35,100
100	38.8	81.5	32,200
105	34.7	74.6	29,600
110	30.1	66.3	27,200
115	24.7	56.2	25,000
120	17.7	42.5	23,000

# MLC250 S-1

ASME B30.5



B10



149,600 lb  
+  
0 lb



360°

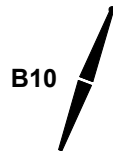
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	295,000
26	81.7	136.5	256,800
28	80.8	136.2	226,500
30	79.9	135.8	202,200
32	79.0	135.4	182,400
34	78.1	134.9	165,800
36	77.2	134.5	151,800
38	76.3	133.9	139,800
40	75.4	133.4	129,400
42	74.5	132.8	120,300
44	73.5	132.2	112,300
46	72.6	131.6	105,100
48	71.7	130.9	98,700
50	70.7	130.2	93,000
55	68.4	128.2	80,800
60	66.0	126.0	71,100
65	63.5	123.5	63,100
70	61.0	120.8	56,500
75	58.4	117.8	50,800
80	55.8	114.4	46,000
85	53.0	110.7	41,800
90	50.2	106.6	38,100
95	47.2	102.0	34,900
100	44.1	97.0	32,000
105	40.7	91.3	29,400
110	37.1	84.9	27,000
115	33.2	77.5	24,900
120	28.8	68.9	22,900
125	23.6	58.2	21,100
130	17.0	44.0	19,400

140.0 ft			
ft	o	ft	lb
26	82.3	146.6	256,900
28	81.5	146.3	226,500
30	80.6	146.0	202,200
32	79.8	145.6	182,300
34	79.0	145.2	165,800
36	78.1	144.7	151,700
38	77.3	144.3	139,700
40	76.5	143.8	129,300
42	75.6	143.2	120,200
44	74.8	142.7	112,100
46	73.9	142.1	105,000
48	73.0	141.4	98,600
50	72.2	140.8	92,800
55	70.0	139.0	80,700
60	67.8	137.0	70,900
65	65.6	134.7	62,900
70	63.3	132.2	56,300
75	60.9	129.5	50,700
80	58.5	126.4	45,800
85	56.1	123.1	41,600
90	53.5	119.5	38,000
95	50.9	115.4	34,700
100	48.2	111.0	31,800
105	45.3	106.2	29,200
110	42.3	100.8	26,900
115	39.1	94.8	24,800
120	35.7	88.1	22,800
125	31.9	80.3	21,000
130	27.7	71.3	19,400
135	22.7	60.2	17,900
140	16.3	45.3	16,400

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	256,900
28	82.0	156.4	226,400
30	81.3	156.1	202,100
32	80.5	155.8	182,200
34	79.7	155.4	165,600
36	78.9	155.0	151,500
38	78.2	154.5	139,500
40	77.4	154.1	129,000
42	76.6	153.6	119,900
44	75.8	153.0	111,800
46	75.0	152.5	104,600
48	74.2	151.9	98,200
50	73.4	151.3	92,500
55	71.4	149.6	80,300
60	69.4	147.8	70,500
65	67.3	145.7	62,500
70	65.2	143.4	55,800
75	63.0	140.9	50,200
80	60.9	138.1	45,400
85	58.6	135.1	41,200
90	56.4	131.8	37,500
95	54.0	128.2	34,200
100	51.6	124.3	31,300
105	49.1	120.0	28,700
110	46.4	115.3	26,400
115	43.7	110.2	24,300
120	40.8	104.5	22,300
125	37.7	98.2	20,600
130	34.4	91.1	18,900
135	30.8	83.1	17,400
140	26.7	73.6	16,000
145	21.9	62.1	14,700
150	15.7	46.7	13,400

# MLC250 S-1

ASME B30.5



**160.0 ft**

ft	o	ft	lb
28	82.5	166.5	226,400
30	81.8	166.2	202,000
32	81.1	165.9	182,000
34	80.4	165.6	165,400
36	79.6	165.2	151,400
38	78.9	164.8	139,300
40	78.2	164.3	128,800
42	77.4	163.9	119,700
44	76.7	163.4	111,600
46	76.0	162.9	104,400
48	75.2	162.3	98,000
50	74.5	161.7	92,200
55	72.6	160.2	80,000
60	70.7	158.5	70,300
65	68.8	156.5	62,300
70	66.8	154.4	55,600
75	64.9	152.1	50,000
80	62.9	149.5	45,100
85	60.8	146.8	40,900
90	58.7	143.8	37,200
95	56.6	140.5	34,000
100	54.4	137.0	31,100
105	52.1	133.1	28,500
110	49.8	128.9	26,200
115	47.4	124.4	24,000
120	44.9	119.5	22,100
125	42.2	114.0	20,300
130	39.4	108.1	18,700
135	36.5	101.5	17,200
140	33.3	94.1	15,800
145	29.8	85.7	14,500
150	25.8	75.9	13,300
155	21.2	63.9	12,200
160	15.2	47.9	11,100

**170.0 ft**

ft	o	ft	lb
28	83.0	176.6	226,300
30	82.3	176.4	201,900
32	81.6	176.0	181,900
34	80.9	175.7	165,300
36	80.3	175.4	151,200
38	79.6	175.0	139,100
40	78.9	174.6	128,600
42	78.2	174.1	119,500
44	77.5	173.7	111,400
46	76.8	173.2	104,200
48	76.1	172.7	97,800
50	75.4	172.1	92,000
55	73.7	170.7	79,700
60	71.9	169.1	70,000
65	70.1	167.3	62,000
70	68.3	165.3	55,300
75	66.4	163.1	49,600
80	64.6	160.8	44,800
85	62.7	158.2	40,600
90	60.8	155.4	36,900
95	58.8	152.4	33,600
100	56.8	149.2	30,700
105	54.7	145.7	28,100
110	52.6	141.9	25,800
115	50.4	137.8	23,700
120	48.2	133.4	21,800
125	45.9	128.6	20,000
130	43.4	123.4	18,400
135	40.9	117.8	16,900
140	38.2	111.5	15,500
145	35.3	104.6	14,200
150	32.2	97.0	13,000
155	28.8	88.2	11,900
160	25.0	78.0	10,800
165	20.5	65.7	9,800

**180.0 ft**

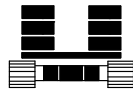
ft	o	ft	lb
30	82.7	186.5	201,800
32	82.1	186.2	181,800
34	81.5	185.8	165,100
36	80.8	185.5	151,000
38	80.2	185.2	138,900
40	79.5	184.8	128,400
42	78.9	184.4	119,200
44	78.2	183.9	111,200
46	77.6	183.5	104,000
48	76.9	183.0	97,500
50	76.2	182.5	91,700
55	74.6	181.1	79,500
60	72.9	179.6	69,700
65	71.3	177.9	61,700
70	69.6	176.1	55,000
75	67.8	174.0	49,300
80	66.1	171.8	44,500
85	64.3	169.4	40,300
90	62.5	166.9	36,600
95	60.7	164.1	33,300
100	58.9	161.1	30,400
105	57.0	157.9	27,800
110	55.0	154.4	25,500
115	53.1	150.7	23,400
120	51.0	146.7	21,500
125	48.9	142.4	19,700
130	46.7	137.7	18,100
135	44.5	132.7	16,600
140	42.1	127.3	15,200
145	39.7	121.3	13,900
150	37.1	114.9	12,700
155	34.3	107.7	11,600
160	31.3	99.7	10,600
165	28.0	90.7	9,600
170	24.3	80.2	8,600
175	19.9	67.4	7,800

# MLC250 S-1

ASME B30.5



B10



149,600 lb  
+  
0 lb



360°

190.0 ft			
ft	°	ft	lb
32	82.5	196.3	181,700
34	81.9	196.0	165,000
36	81.3	195.7	150,800
38	80.7	195.3	138,700
40	80.1	194.9	128,200
42	79.5	194.6	119,000
44	78.8	194.2	110,900
46	78.2	193.7	103,600
48	77.6	193.3	97,200
50	77.0	192.8	91,400
55	75.4	191.5	79,100
60	73.9	190.1	69,300
65	72.3	188.5	61,200
70	70.7	186.7	54,500
75	69.1	184.8	48,900
80	67.4	182.8	44,000
85	65.8	180.5	39,800
90	64.1	178.1	36,100
95	62.4	175.5	32,800
100	60.7	172.7	29,900
105	58.9	169.8	27,300
110	57.1	166.6	25,000
115	55.3	163.1	22,900
120	53.4	159.4	20,900
125	51.5	155.5	19,200
130	49.5	151.3	17,600
135	47.5	146.8	16,100
140	45.4	141.9	14,700
145	43.2	136.7	13,400
150	40.9	131.0	12,200
155	38.6	124.8	11,100
160	36.0	118.1	10,100
165	33.3	110.7	9,100
170	30.4	102.4	8,200
175	27.2	93.1	7,300
180	23.6	82.2	6,400
185	19.4	69.1	5,600

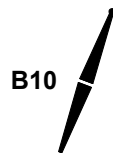
200.0 ft			
ft	°	ft	lb
32	82.9	206.4	177,000
34	82.3	206.1	164,700
36	81.7	205.8	150,600
38	81.2	205.5	138,400
40	80.6	205.1	127,900
42	80.0	204.7	118,700
44	79.4	204.4	110,600
46	78.8	204.0	103,400
48	78.2	203.5	96,900
50	77.6	203.1	91,100
55	76.2	201.8	78,800
60	74.7	200.5	69,000
65	73.2	199.0	60,900
70	71.7	197.3	54,200
75	70.2	195.6	48,500
80	68.6	193.6	43,700
85	67.1	191.5	39,500
90	65.5	189.2	35,800
95	63.9	186.8	32,500
100	62.3	184.2	29,600
105	60.7	181.4	27,000
110	59.0	178.4	24,700
115	57.3	175.2	22,500
120	55.6	171.8	20,600
125	53.8	168.2	18,800
130	52.0	164.3	17,200
135	50.1	160.2	15,700
140	48.2	155.8	14,400
145	46.2	151.0	13,100
150	44.2	146.0	11,900
155	42.1	140.5	10,800
160	39.8	134.6	9,700
165	37.5	128.2	8,800
170	35.1	121.2	7,800
175	32.4	113.6	7,000
180	29.6	105.0	6,100
185	26.5	95.4	5,400
190	23.0	84.2	4,600

210.0 ft			
ft	°	ft	lb
34	82.7	216.2	164,500
36	82.1	215.9	150,300
38	81.6	215.6	138,200
40	81.0	215.3	127,700
42	80.5	214.9	118,400
44	79.9	214.5	110,300
46	79.4	214.2	103,100
48	78.8	213.7	96,600
50	78.2	213.3	90,800
55	76.8	212.2	78,500
60	75.4	210.9	68,600
65	74.0	209.4	60,600
70	72.6	207.9	53,800
75	71.1	206.2	48,200
80	69.7	204.4	43,300
85	68.2	202.4	39,100
90	66.7	200.2	35,400
95	65.2	197.9	32,100
100	63.7	195.5	29,200
105	62.2	192.9	26,600
110	60.6	190.1	24,200
115	59.0	187.1	22,100
120	57.4	183.9	20,200
125	55.8	180.5	18,400
130	54.1	176.9	16,800
135	52.4	173.1	15,300
140	50.6	169.1	13,900
145	48.8	164.7	12,600
150	47.0	160.1	11,500
155	45.0	155.2	10,300
160	43.1	149.9	9,300
165	41.0	144.2	8,300
170	38.8	138.1	7,400
175	36.6	131.5	6,600
180	34.2	124.3	5,700
185	31.6	116.4	5,000
190	28.9	107.6	4,200



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ASME B30.5



220.0 ft			
ft	o	ft	lb
34	83.0	226.3	155,200
36	82.5	226.0	150,100
38	82.0	225.7	137,900
40	81.4	225.4	127,400
42	80.9	225.1	118,100
44	80.4	224.7	110,000
46	79.9	224.3	102,800
48	79.3	224.0	96,300
50	78.8	223.5	90,500
55	77.5	222.4	78,100
60	76.1	221.2	68,300
65	74.8	219.9	60,200
70	73.4	218.4	53,500
75	72.0	216.8	47,800
80	70.7	215.0	42,900
85	69.3	213.1	38,700
90	67.9	211.1	35,000
95	66.4	208.9	31,700
100	65.0	206.6	28,800
105	63.6	204.2	26,200
110	62.1	201.5	23,900
115	60.6	198.7	21,700
120	59.1	195.8	19,800
125	57.5	192.6	18,100
130	56.0	189.2	16,400
135	54.4	185.7	14,900
140	52.7	181.9	13,600
145	51.1	177.9	12,300
150	49.4	173.7	11,100
155	47.6	169.1	10,000
160	45.8	164.3	9,000
165	43.9	159.2	8,000
170	42.0	153.7	7,100
175	40.0	147.8	6,200
180	37.9	141.5	5,400
185	35.7	134.7	4,600

230.0 ft			
ft	o	ft	lb
36	82.8	236.1	140,200
38	82.3	235.8	137,700
40	81.8	235.5	127,100
42	81.3	235.2	117,800
44	80.8	234.9	109,700
46	80.3	234.5	102,400
48	79.8	234.1	95,900
50	79.3	233.8	90,100
55	78.0	232.7	77,700
60	76.7	231.5	67,800
65	75.4	230.2	59,800
70	74.2	228.8	53,000
75	72.8	227.3	47,300
80	71.5	225.6	42,400
85	70.2	223.8	38,200
90	68.9	221.9	34,500
95	67.5	219.9	31,200
100	66.2	217.7	28,300
105	64.8	215.3	25,700
110	63.4	212.8	23,300
115	62.0	210.2	21,200
120	60.6	207.4	19,300
125	59.1	204.4	17,500
130	57.6	201.3	15,900
135	56.1	197.9	14,400
140	54.6	194.4	13,000
145	53.1	190.7	11,700
150	51.5	186.7	10,500
155	49.9	182.6	9,400
160	48.2	178.1	8,400
165	46.5	173.4	7,400
170	44.7	168.4	6,500
175	42.9	163.1	5,600
180	41.0	157.5	4,800
185	39.1	151.4	4,100

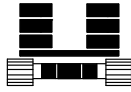
240.0 ft			
ft	o	ft	lb
38	82.6	245.9	127,000
40	82.2	245.6	126,500
42	81.7	245.3	117,500
44	81.2	245.0	109,300
46	80.7	244.7	102,100
48	80.2	244.3	95,600
50	79.7	243.9	89,700
55	78.5	242.9	77,400
60	77.3	241.8	67,500
65	76.1	240.6	59,400
70	74.8	239.2	52,600
75	73.6	237.8	46,900
80	72.3	236.2	42,000
85	71.1	234.5	37,800
90	69.8	232.6	34,100
95	68.5	230.7	30,800
100	67.2	228.6	27,900
105	65.9	226.4	25,300
110	64.6	224.0	22,900
115	63.3	221.5	20,800
120	61.9	218.9	18,900
125	60.5	216.0	17,100
130	59.2	213.1	15,500
135	57.7	209.9	14,000
140	56.3	206.6	12,600
145	54.9	203.1	11,300
150	53.4	199.4	10,100
155	51.9	195.6	9,000
160	50.3	191.4	8,000
165	48.7	187.1	7,000
170	47.1	182.5	6,100
175	45.4	177.6	5,200
180	43.7	172.4	4,400

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ASME B30.5



B10



149,600 lb  
+  
0 lb



ft	°	ft	lb
38	82.9	256.0	116,200
40	82.5	255.7	115,300
42	82.0	255.4	114,200
44	81.5	255.1	109,700
46	81.1	254.8	102,500
48	80.6	254.5	96,000
50	80.2	254.1	90,100
55	79.0	253.1	77,700
60	77.8	252.1	67,800
65	76.6	250.9	59,700
70	75.5	249.6	53,000
75	74.3	248.2	47,300
80	73.1	246.7	42,400
85	71.9	245.1	38,100
90	70.6	243.3	34,400
95	69.4	241.4	31,100
100	68.2	239.4	28,200
105	66.9	237.3	25,600
110	65.7	235.1	23,200
115	64.4	232.7	21,100
120	63.1	230.2	19,200
125	61.8	227.5	17,400
130	60.5	224.7	15,800
135	59.2	221.7	14,300
140	57.8	218.6	12,900
145	56.5	215.3	11,600
150	55.1	211.9	10,400
155	53.7	208.2	9,300
160	52.2	204.4	8,300
165	50.7	200.3	7,300
170	49.2	196.0	6,400
175	47.7	191.5	5,500
180	46.1	186.7	4,700
185	44.5	181.7	4,000

REFERENCE ONLY!