


Liftcrane Boom Capacities

Boom No. B10:82A
219,600 lb Crane Counterweight
80,000 lb Carbody Counterweight
360 Degree Rating

MLC250
SERIES 3

 **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. 9914-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.

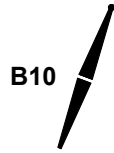
Combined weight beneath boom point sheaves must not exceed block weight shown.

Table 1

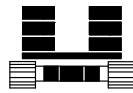
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Over End or Side of Crawlers	Over End of Blocked Crawlers
		Block Weight (lb)	
70.0 - 200.0	8	10,000	10,000
210.0	8	8,300	8,300
220.0	8	6,000	6,000
230.0	8	5,100	5,100
240.0	8	4,300	4,300
250.0	2	4,200	4,200
260.0	2	#	4,100
270.0	2	#	3,000
280.0	2	#	#
290.0 (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



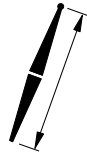
Boom No. B10:82A



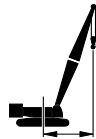
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



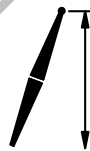
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

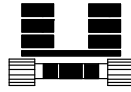
REFERENCE ONLY!

MLC250 S-3

ASME B30.5



B10



219,600 lb
+
80,000 lb



360°

60.0 ft			
ft	°	ft	lb
15	82.6	67.3	551,200 ¹

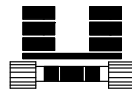
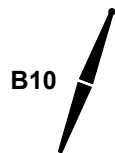
1 Note: Special equipment required.

70.0 ft			
ft	°	ft	lb
16	82.8	77.4	500,000 b
17	82.0	77.2	462,500 b
18	81.1	77.0	438,600 b
19	80.3	76.8	417,100 b
20	79.5	76.6	397,500 b
22	77.8	76.1	363,200 b
24	76.1	75.6	334,200 b
26	74.4	75.0	309,300
28	72.7	74.3	287,700
30	70.9	73.6	268,800
32	69.2	72.8	252,200
34	67.4	71.9	237,400
36	65.6	71.0	224,100
38	63.7	70.0	207,800
40	61.9	68.9	193,000
42	60.0	67.7	180,000
44	58.0	66.4	168,600
46	56.0	65.0	158,400
48	54.0	63.5	149,300
50	51.9	61.9	141,000
55	46.3	57.2	123,700
60	40.1	51.5	109,700
65	32.9	44.3	98,300
70	23.7	34.3	84,700

80.0 ft			
ft	°	ft	lb
17	83.0	87.3	448,300 b
18	82.3	87.2	437,800 b
19	81.5	87.0	416,300 b
20	80.8	86.8	396,700 b
22	79.4	86.4	362,400 b
24	77.9	85.9	333,400 b
26	76.4	85.4	308,500
28	74.9	84.8	287,000
30	73.4	84.2	268,100
32	71.9	83.5	251,500
34	70.4	82.8	236,700
36	68.8	82.0	223,500
38	67.3	81.1	207,800
40	65.7	80.2	193,000
42	64.1	79.2	180,000
44	62.5	78.1	168,500
46	60.8	76.9	158,300
48	59.1	75.7	149,200
50	57.4	74.4	140,900
55	53.0	70.7	123,600
60	48.2	66.3	109,600
65	43.1	61.1	98,200
70	37.3	54.9	88,700
75	30.6	47.0	80,600
80	22.0	36.1	70,300

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



360°

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	402,500 b
20	81.8	97.0	396,000 b
22	80.6	96.6	361,800 b
24	79.3	96.2	332,800 b
26	77.9	95.7	307,900
28	76.6	95.2	286,400
30	75.3	94.7	267,500
32	74.0	94.1	250,900
34	72.6	93.4	236,100
36	71.3	92.7	222,900
38	69.9	91.9	207,800
40	68.6	91.1	192,900
42	67.2	90.3	179,900
44	65.8	89.3	168,400
46	64.3	88.3	158,200
48	62.9	87.3	149,000
50	61.4	86.2	140,800
55	57.7	83.1	123,400
60	53.8	79.5	109,500
65	49.6	75.3	98,100
70	45.2	70.5	88,600
75	40.4	64.8	80,500
80	35.0	58.0	73,500
85	28.7	49.5	67,500
90	20.7	37.9	59,200

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	385,600 b
22	81.5	106.8	361,700 b
24	80.3	106.4	332,700 b
26	79.2	106.0	307,900
28	78.0	105.5	286,300
30	76.8	105.0	267,500
32	75.6	104.5	250,800
34	74.4	103.9	236,100
36	73.2	103.3	222,800
38	72.0	102.6	208,000
40	70.8	101.9	193,100
42	69.6	101.1	180,100
44	68.3	100.3	168,600
46	67.1	99.4	158,400
48	65.8	98.5	149,200
50	64.6	97.5	141,000
55	61.3	94.8	123,600
60	57.9	91.7	109,700
65	54.4	88.2	98,300
70	50.8	84.2	88,800
75	46.9	79.6	80,700
80	42.7	74.4	73,800
85	38.2	68.2	67,700
90	33.1	60.9	62,400
95	27.2	51.8	57,700
100	19.5	39.5	50,800

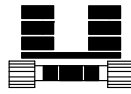
110.0 ft			
ft	o	ft	lb
22	82.3	116.9	351,100
24	81.2	116.6	332,000
26	80.2	116.2	307,100
28	79.1	115.8	285,600
30	78.0	115.3	266,800
32	77.0	114.8	250,200
34	75.9	114.3	235,400
36	74.8	113.8	222,200
38	73.7	113.1	207,800
40	72.6	112.5	192,900
42	71.5	111.8	179,800
44	70.4	111.1	168,300
46	69.3	110.3	158,100
48	68.2	109.5	148,900
50	67.0	108.6	140,700
55	64.1	106.2	123,300
60	61.2	103.5	109,300
65	58.1	100.4	97,900
70	55.0	97.0	88,400
75	51.7	93.1	80,300
80	48.2	88.7	73,400
85	44.5	83.7	67,400
90	40.6	78.0	62,100
95	36.3	71.5	57,500
100	31.5	63.7	53,300
105	25.8	54.1	49,500
110	18.6	41.1	43,300

MLC250 S-3

ASME B30.5



B10



219,600 lb
+
80,000 lb



360°

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	324,500
24	82.0	126.7	324,500
26	81.0	126.4	306,900
28	80.0	126.0	285,400
30	79.1	125.6	266,600
32	78.1	125.1	250,000
34	77.1	124.7	235,200
36	76.1	124.1	222,000
38	75.1	123.6	207,800
40	74.1	123.0	192,900
42	73.1	122.4	179,800
44	72.1	121.7	168,300
46	71.1	121.0	158,100
48	70.1	120.2	148,900
50	69.1	119.5	140,700
55	66.5	117.3	123,300
60	63.8	114.9	109,300
65	61.1	112.1	97,900
70	58.3	109.1	88,400
75	55.4	105.7	80,300
80	52.4	101.9	73,400
85	49.3	97.7	67,400
90	46.0	92.9	62,100
95	42.5	87.6	57,500
100	38.8	81.5	53,300
105	34.7	74.6	49,600
110	30.1	66.3	46,200
115	24.7	56.2	43,000
120	17.7	42.5	37,400

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	295,000
26	81.7	136.5	295,000
28	80.8	136.2	284,900
30	79.9	135.8	266,100
32	79.0	135.4	249,500
34	78.1	134.9	234,700
36	77.2	134.5	221,500
38	76.3	133.9	207,700
40	75.4	133.4	192,800
42	74.5	132.8	179,700
44	73.5	132.2	168,200
46	72.6	131.6	157,900
48	71.7	130.9	148,800
50	70.7	130.2	140,500
55	68.4	128.2	123,100
60	66.0	126.0	109,100
65	63.5	123.5	97,700
70	61.0	120.8	88,100
75	58.4	117.8	80,100
80	55.8	114.4	73,200
85	53.0	110.7	67,200
90	50.2	106.6	61,900
95	47.2	102.0	57,200
100	44.1	97.0	53,100
105	40.7	91.3	49,400
110	37.1	84.9	46,000
115	33.2	77.5	43,000
120	28.8	68.9	40,200
125	23.6	58.2	37,000
130	17.0	44.0	32,200

140.0 ft			
ft	o	ft	lb
26	82.3	146.6	293,400
28	81.5	146.3	284,700
30	80.6	146.0	265,800
32	79.8	145.6	249,200
34	79.0	145.2	234,500
36	78.1	144.7	221,200
38	77.3	144.3	207,600
40	76.5	143.8	192,700
42	75.6	143.2	179,600
44	74.8	142.7	168,100
46	73.9	142.1	157,800
48	73.0	141.4	148,600
50	72.2	140.8	140,400
55	70.0	139.0	122,900
60	67.8	137.0	109,000
65	65.6	134.7	97,500
70	63.3	132.2	88,000
75	60.9	129.5	79,900
80	58.5	126.4	73,000
85	56.1	123.1	67,000
90	53.5	119.5	61,700
95	50.9	115.4	57,100
100	48.2	111.0	53,000
105	45.3	106.2	49,200
110	42.3	100.8	45,900
115	39.1	94.8	42,900
120	35.7	88.1	40,100
125	31.9	80.3	37,600
130	27.7	71.3	35,200
135	22.7	60.2	32,000
140	16.3	45.3	27,800

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



150.0 ft

ft	o	ft	lb
26	82.8	156.7	264,900
28	82.0	156.4	258,900
30	81.3	156.1	253,200
32	80.5	155.8	247,600
34	79.7	155.4	233,700
36	78.9	155.0	220,500
38	78.2	154.5	207,400
40	77.4	154.1	192,400
42	76.6	153.6	179,300
44	75.8	153.0	167,700
46	75.0	152.5	157,500
48	74.2	151.9	148,300
50	73.4	151.3	140,000
55	71.4	149.6	122,500
60	69.4	147.8	108,500
65	67.3	145.7	97,100
70	65.2	143.4	87,500
75	63.0	140.9	79,500
80	60.9	138.1	72,500
85	58.6	135.1	66,500
90	56.4	131.8	61,300
95	54.0	128.2	56,600
100	51.6	124.3	52,500
105	49.1	120.0	48,800
110	46.4	115.3	45,400
115	43.7	110.2	42,400
120	40.8	104.5	39,600
125	37.7	98.2	37,100
130	34.4	91.1	34,800
135	30.8	83.1	32,600
140	26.7	73.6	30,600
145	21.9	62.1	27,100
150	15.7	46.7	23,400

160.0 ft

ft	o	ft	lb
28	82.5	166.5	236,000
30	81.8	166.2	236,000
32	81.1	165.9	236,000
34	80.4	165.6	232,200
36	79.6	165.2	220,200
38	78.9	164.8	207,200
40	78.2	164.3	192,200
42	77.4	163.9	179,100
44	76.7	163.4	167,600
46	76.0	162.9	157,300
48	75.2	162.3	148,100
50	74.5	161.7	139,800
55	72.6	160.2	122,300
60	70.7	158.5	108,300
65	68.8	156.5	96,800
70	66.8	154.4	87,300
75	64.9	152.1	79,200
80	62.9	149.5	72,300
85	60.8	146.8	66,300
90	58.7	143.8	61,000
95	56.6	140.5	56,400
100	54.4	137.0	52,200
105	52.1	133.1	48,500
110	49.8	128.9	45,200
115	47.4	124.4	42,200
120	44.9	119.5	39,400
125	42.2	114.0	36,900
130	39.4	108.1	34,600
135	36.5	101.5	32,400
140	33.3	94.1	30,500
145	29.8	85.7	28,600
150	25.8	75.9	26,300
155	21.2	63.9	23,300
160	15.2	47.9	20,000

170.0 ft

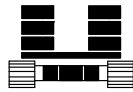
ft	o	ft	lb
28	83.0	176.6	231,700
30	82.3	176.4	227,200
32	81.6	176.0	222,700
34	80.9	175.7	218,400
36	80.3	175.4	214,200
38	79.6	175.0	207,000
40	78.9	174.6	192,000
42	78.2	174.1	178,900
44	77.5	173.7	167,300
46	76.8	173.2	157,000
48	76.1	172.7	147,800
50	75.4	172.1	139,500
55	73.7	170.7	122,000
60	71.9	169.1	108,000
65	70.1	167.3	96,500
70	68.3	165.3	87,000
75	66.4	163.1	78,900
80	64.6	160.8	71,900
85	62.7	158.2	65,900
90	60.8	155.4	60,700
95	58.8	152.4	56,000
100	56.8	149.2	51,900
105	54.7	145.7	48,200
110	52.6	141.9	44,800
115	50.4	137.8	41,800
120	48.2	133.4	39,000
125	45.9	128.6	36,500
130	43.4	123.4	34,200
135	40.9	117.8	32,100
140	38.2	111.5	30,100
145	35.3	104.6	28,300
150	32.2	97.0	26,600
155	28.8	88.2	25,000
160	25.0	78.0	22,300
165	20.5	65.7	19,600

MLC250 S-3

ASME B30.5



B10



219,600 lb
+
80,000 lb



360°

180.0 ft

ft	o	ft	lb
30	82.7	186.5	206,500
32	82.1	186.2	206,500
34	81.5	185.8	206,500
36	80.8	185.5	203,900
38	80.2	185.2	200,000
40	79.5	184.8	191,800
42	78.9	184.4	178,700
44	78.2	183.9	167,100
46	77.6	183.5	156,800
48	76.9	183.0	147,600
50	76.2	182.5	139,300
55	74.6	181.1	121,700
60	72.9	179.6	107,700
65	71.3	177.9	96,300
70	69.6	176.1	86,700
75	67.8	174.0	78,600
80	66.1	171.8	71,700
85	64.3	169.4	65,600
90	62.5	166.9	60,400
95	60.7	164.1	55,700
100	58.9	161.1	51,600
105	57.0	157.9	47,900
110	55.0	154.4	44,500
115	53.1	150.7	41,500
120	51.0	146.7	38,800
125	48.9	142.4	36,200
130	46.7	137.7	33,900
135	44.5	132.7	31,800
140	42.1	127.3	29,800
145	39.7	121.3	28,000
150	37.1	114.9	26,300
155	34.3	107.7	24,700
160	31.3	99.7	23,200
165	28.0	90.7	21,300
170	24.3	80.2	18,900
175	19.9	67.4	16,500

190.0 ft

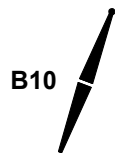
ft	o	ft	lb
32	82.5	196.3	196,900
34	81.9	196.0	193,500
36	81.3	195.7	190,100
38	80.7	195.3	186,900
40	80.1	194.9	183,600
42	79.5	194.6	178,400
44	78.8	194.2	166,800
46	78.2	193.7	156,500
48	77.6	193.3	147,200
50	77.0	192.8	138,900
55	75.4	191.5	121,400
60	73.9	190.1	107,300
65	72.3	188.5	95,800
70	70.7	186.7	86,200
75	69.1	184.8	78,100
80	67.4	182.8	71,200
85	65.8	180.5	65,200
90	64.1	178.1	59,900
95	62.4	175.5	55,200
100	60.7	172.7	51,100
105	58.9	169.8	47,400
110	57.1	166.6	44,000
115	55.3	163.1	41,000
120	53.4	159.4	38,200
125	51.5	155.5	35,700
130	49.5	151.3	33,400
135	47.5	146.8	31,300
140	45.4	141.9	29,300
145	43.2	136.7	27,500
150	40.9	131.0	25,800
155	38.6	124.8	24,200
160	36.0	118.1	22,700
165	33.3	110.7	21,300
170	30.4	102.4	20,000
175	27.2	93.1	17,800
180	23.6	82.2	15,700
185	19.4	69.1	13,500

200.0 ft

ft	o	ft	lb
32	82.9	206.4	177,000
34	82.3	206.1	177,000
36	81.7	205.8	177,000
38	81.2	205.5	176,800
40	80.6	205.1	173,800
42	80.0	204.7	170,700
44	79.4	204.4	166,500
46	78.8	204.0	156,200
48	78.2	203.5	146,900
50	77.6	203.1	138,600
55	76.2	201.8	121,100
60	74.7	200.5	107,000
65	73.2	199.0	95,500
70	71.7	197.3	85,900
75	70.2	195.6	77,800
80	68.6	193.6	70,800
85	67.1	191.5	64,800
90	65.5	189.2	59,500
95	63.9	186.8	54,900
100	62.3	184.2	50,700
105	60.7	181.4	47,000
110	59.0	178.4	43,700
115	57.3	175.2	40,600
120	55.6	171.8	37,900
125	53.8	168.2	35,400
130	52.0	164.3	33,100
135	50.1	160.2	30,900
140	48.2	155.8	29,000
145	46.2	151.0	27,200
150	44.2	146.0	25,500
155	42.1	140.5	23,900
160	39.8	134.6	22,400
165	37.5	128.2	21,000
170	35.1	121.2	19,700
175	32.4	113.6	18,500
180	29.6	105.0	16,700
185	26.5	95.4	14,800
190	23.0	84.2	12,800
195	18.9	70.7	10,800

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ASME B30.5



219,600 lb
+
80,000 lb



210.0 ft

ft	o	ft	lb
34	82.7	216.2	171,700
36	82.1	215.9	170,600
38	81.6	215.6	168,000
40	81.0	215.3	165,400
42	80.5	214.9	162,800
44	79.9	214.5	160,000
46	79.4	214.2	155,900
48	78.8	213.7	146,600
50	78.2	213.3	138,300
55	76.8	212.2	120,700
60	75.4	210.9	106,700
65	74.0	209.4	95,100
70	72.6	207.9	85,500
75	71.1	206.2	77,400
80	69.7	204.4	70,500
85	68.2	202.4	64,400
90	66.7	200.2	59,100
95	65.2	197.9	54,500
100	63.7	195.5	50,300
105	62.2	192.9	46,600
110	60.6	190.1	43,300
115	59.0	187.1	40,200
120	57.4	183.9	37,500
125	55.8	180.5	35,000
130	54.1	176.9	32,600
135	52.4	173.1	30,500
140	50.6	169.1	28,600
145	48.8	164.7	26,700
150	47.0	160.1	25,000
155	45.0	155.2	23,500
160	43.1	149.9	22,000
165	41.0	144.2	20,600
170	38.8	138.1	19,300
175	36.6	131.5	18,100
180	34.2	124.3	16,900
185	31.6	116.4	15,400
190	28.9	107.6	13,600
195	25.8	97.7	11,900
200	22.4	86.2	10,100
205	18.4	72.3	8,300

220.0 ft

ft	o	ft	lb
34	83.0	226.3	155,200
36	82.5	226.0	154,700
38	82.0	225.7	154,200
40	81.4	225.4	153,700
42	80.9	225.1	153,200
44	80.4	224.7	151,900
46	79.9	224.3	149,400
48	79.3	224.0	146,300
50	78.8	223.5	138,000
55	77.5	222.4	120,400
60	76.1	221.2	106,300
65	74.8	219.9	94,800
70	73.4	218.4	85,200
75	72.0	216.8	77,100
80	70.7	215.0	70,100
85	69.3	213.1	64,100
90	67.9	211.1	58,800
95	66.4	208.9	54,100
100	65.0	206.6	50,000
105	63.6	204.2	46,200
110	62.1	201.5	42,900
115	60.6	198.7	39,900
120	59.1	195.8	37,100
125	57.5	192.6	34,600
130	56.0	189.2	32,300
135	54.4	185.7	30,200
140	52.7	181.9	28,200
145	51.1	177.9	26,400
150	49.4	173.7	24,700
155	47.6	169.1	23,100
160	45.8	164.3	21,600
165	43.9	159.2	20,200
170	42.0	153.7	19,000
175	40.0	147.8	17,700
180	37.9	141.5	16,600
185	35.7	134.7	15,500
190	33.4	127.3	14,200
195	30.9	119.1	12,500
200	28.2	110.1	10,900
205	25.2	99.9	9,300
210	21.9	88.1	7,700
215	17.9	73.8	6,000

230.0 ft

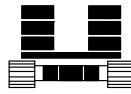
ft	o	ft	lb
36	82.8	236.1	140,200
38	82.3	235.8	139,700
40	81.8	235.5	139,200
42	81.3	235.2	138,600
44	80.8	234.9	137,300
46	80.3	234.5	136,100
48	79.8	234.1	135,100
50	79.3	233.8	134,000
55	78.0	232.7	120,000
60	76.7	231.5	105,900
65	75.4	230.2	94,300
70	74.2	228.8	84,700
75	72.8	227.3	76,600
80	71.5	225.6	69,600
85	70.2	223.8	63,500
90	68.9	221.9	58,200
95	67.5	219.9	53,600
100	66.2	217.7	49,400
105	64.8	215.3	45,700
110	63.4	212.8	42,300
115	62.0	210.2	39,300
120	60.6	207.4	36,600
125	59.1	204.4	34,000
130	57.6	201.3	31,700
135	56.1	197.9	29,600
140	54.6	194.4	27,600
145	53.1	190.7	25,800
150	51.5	186.7	24,100
155	49.9	182.6	22,500
160	48.2	178.1	21,100
165	46.5	173.4	19,700
170	44.7	168.4	18,400
175	42.9	163.1	17,200
180	41.0	157.5	16,000
185	39.1	151.4	14,900
190	37.0	144.9	13,900
195	34.9	137.8	12,600
200	32.6	130.2	11,000
205	30.2	121.8	9,500
210	27.5	112.5	8,100
215	24.6	102.0	6,600
220	21.4	89.9	5,100

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B10



219,600 lb
+
80,000 lb



360°

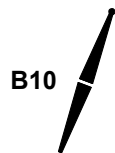
240.0 ft			
ft	o	ft	lb
38	82.6	245.9	127,000
40	82.2	245.6	126,500
42	81.7	245.3	125,700
44	81.2	245.0	124,500
46	80.7	244.7	123,400
48	80.2	244.3	122,300
50	79.7	243.9	121,300
55	78.5	242.9	118,500
60	77.3	241.8	105,500
65	76.1	240.6	94,000
70	74.8	239.2	84,300
75	73.6	237.8	76,200
80	72.3	236.2	69,200
85	71.1	234.5	63,200
90	69.8	232.6	57,900
95	68.5	230.7	53,200
100	67.2	228.6	49,000
105	65.9	226.4	45,300
110	64.6	224.0	42,000
115	63.3	221.5	38,900
120	61.9	218.9	36,200
125	60.5	216.0	33,600
130	59.2	213.1	31,300
135	57.7	209.9	29,200
140	56.3	206.6	27,200
145	54.9	203.1	25,400
150	53.4	199.4	23,700
155	51.9	195.6	22,100
160	50.3	191.4	20,700
165	48.7	187.1	19,300
170	47.1	182.5	18,000
175	45.4	177.6	16,800
180	43.7	172.4	15,600
185	42.0	166.9	14,500
190	40.1	161.1	13,500
195	38.2	154.8	12,500
200	36.2	148.1	11,300
205	34.1	140.9	9,800
210	31.9	133.0	8,400
215	29.5	124.4	7,100
220	26.9	114.9	5,700
225	24.1	104.1	4,300

250.0 ft			
ft	o	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	113,100
46	81.1	254.8	112,000
48	80.6	254.5	111,000
50	80.2	254.1	109,900
55	79.0	253.1	107,700
60	77.8	252.1	105,000
65	76.6	250.9	94,300
70	75.5	249.6	84,700
75	74.3	248.2	76,500
80	73.1	246.7	69,500
85	71.9	245.1	63,500
90	70.6	243.3	58,200
95	69.4	241.4	53,500
100	68.2	239.4	49,300
105	66.9	237.3	45,600
110	65.7	235.1	42,200
115	64.4	232.7	39,200
120	63.1	230.2	36,500
125	61.8	227.5	33,900
130	60.5	224.7	31,600
135	59.2	221.7	29,500
140	57.8	218.6	27,500
145	56.5	215.3	25,700
150	55.1	211.9	24,000
155	53.7	208.2	22,400
160	52.2	204.4	21,000
165	50.7	200.3	19,600
170	49.2	196.0	18,300
175	47.7	191.5	17,100
180	46.1	186.7	15,900
185	44.5	181.7	14,800
190	42.8	176.4	13,800
195	41.1	170.7	12,800
200	39.3	164.6	11,900
205	37.4	158.2	10,900
210	35.4	151.3	9,500
215	33.4	143.9	8,200
220	31.2	135.8	6,900
225	28.9	127.0	5,700
230	26.4	117.2	4,400

260.0 ft			
ft	o	ft	lb
40	82.8	265.8	105,200
42	82.3	265.6	104,200
44	81.9	265.3	103,200
46	81.4	264.9	102,200
48	81.0	264.6	101,200
50	80.5	264.3	100,200
55	79.4	263.3	97,900
60	78.3	262.3	95,600
65	77.2	261.2	93,400
70	76.0	259.9	84,300
75	74.9	258.6	76,100
80	73.7	257.1	69,100
85	72.6	255.6	63,100
90	71.4	253.9	57,800
95	70.2	252.1	53,100
100	69.1	250.2	48,900
105	67.9	248.2	45,200
110	66.7	246.1	41,800
115	65.5	243.8	38,800
120	64.3	241.4	36,000
125	63.0	238.8	33,500
130	61.8	236.2	31,200
135	60.5	233.4	29,100
140	59.2	230.4	27,100
145	57.9	227.3	25,300
150	56.6	224.0	23,600
155	55.3	220.6	22,000
160	53.9	216.9	20,500
165	52.5	213.1	19,200
170	51.1	209.1	17,900
175	49.7	204.9	16,700
180	48.2	200.5	15,500
185	46.7	195.8	14,400
190	45.1	190.9	13,400
195	43.6	185.7	12,400
200	41.9	180.2	11,500
205	40.2	174.3	10,600
210	38.5	168.1	9,600
215	36.6	161.5	8,300
220	34.7	154.4	7,000
225	32.7	146.8	5,800
230	30.6	138.5	4,600

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ASME B30.5



219,600 lb
+
80,000 lb



270.0 ft			
ft	o	ft	lb
40	83.0	275.9	96,300
42	82.6	275.6	95,300
44	82.2	275.4	94,300
46	81.7	275.1	93,400
48	81.3	274.8	92,500
50	80.9	274.4	91,500
55	79.8	273.5	89,300
60	78.7	272.5	87,200
65	77.6	271.4	85,100
70	76.6	270.3	83,200
75	75.5	269.0	75,600
80	74.4	267.6	68,600
85	73.2	266.1	62,600
90	72.1	264.5	57,300
95	71.0	262.8	52,600
100	69.9	260.9	48,400
105	68.7	259.0	44,700
110	67.6	256.9	41,300
115	66.4	254.8	38,300
120	65.3	252.5	35,500
125	64.1	250.1	33,000
130	62.9	247.5	30,700
135	61.7	244.8	28,500
140	60.5	242.0	26,500
145	59.3	239.1	24,700
150	58.0	236.0	23,000
155	56.7	232.7	21,500
160	55.4	229.3	20,000
165	54.1	225.7	18,600
170	52.8	221.9	17,300
175	51.5	218.0	16,100
180	50.1	213.8	14,900
185	48.7	209.4	13,900
190	47.2	204.9	12,800
195	45.8	200.0	11,900
200	44.2	194.9	10,900
205	42.7	189.6	10,100
210	41.1	183.9	9,200
215	39.4	177.9	8,000
220	37.7	171.5	6,800
225	35.9	164.7	5,600
230	34.0	157.5	4,500

280.0 ft			
ft	o	ft	lb
42	82.9	285.7	86,500
44	82.5	285.5	85,600
46	82.0	285.2	84,700
48	81.6	284.9	83,900
50	81.2	284.6	83,000
55	80.2	283.7	80,900
60	79.1	282.7	79,000
65	78.1	281.7	77,300
70	77.0	280.5	75,200
75	76.0	279.3	73,400
80	74.9	278.0	68,200
85	73.9	276.5	62,200
90	72.8	275.0	56,800
95	71.7	273.3	52,100
100	70.6	271.6	48,000
105	69.5	269.7	44,200
110	68.4	267.8	40,900
115	67.3	265.7	37,800
120	66.2	263.5	35,100
125	65.1	261.2	32,500
130	64.0	258.7	30,200
135	62.8	256.2	28,100
140	61.6	253.5	26,100
145	60.5	250.7	24,300
150	59.3	247.7	22,600
155	58.1	244.6	21,000
160	56.9	241.4	19,500
165	55.6	238.0	18,200
170	54.4	234.4	16,900
175	53.1	230.7	15,700
180	51.8	226.8	14,500
185	50.5	222.7	13,400
190	49.1	218.4	12,400
195	47.7	213.9	11,400
200	46.3	209.1	10,500
205	44.9	204.2	9,600
210	43.4	198.9	8,800
215	41.9	193.4	7,900
220	40.3	187.6	6,700
225	38.7	181.4	5,600
230	37.0	174.9	4,400

290.0 ft			
ft	o	ft	lb
44	82.7	295.6	78,600
46	82.3	295.3	77,700
48	81.9	295.0	76,900
50	81.5	294.7	76,100
55	80.5	293.9	74,100
60	79.5	292.9	72,200
65	78.5	291.9	70,400
70	77.5	290.8	68,700
75	76.5	289.6	67,000
80	75.5	288.3	65,500
85	74.4	286.9	61,700
90	73.4	285.5	56,400
95	72.4	283.9	51,700
100	71.3	282.2	47,500
105	70.3	280.4	43,800
110	69.2	278.5	40,400
115	68.2	276.5	37,400
120	67.1	274.4	34,600
125	66.0	272.2	32,100
130	64.9	269.9	29,700
135	63.8	267.4	27,600
140	62.7	264.9	25,600
145	61.6	262.2	23,800
150	60.5	259.3	22,100
155	59.3	256.4	20,500
160	58.1	253.3	19,100
165	57.0	250.1	17,700
170	55.8	246.7	16,400
175	54.6	243.1	15,200
180	53.3	239.4	14,000
185	52.1	235.6	12,900
190	50.8	231.5	11,900
195	49.5	227.3	10,900
200	48.2	222.8	10,000
205	46.8	218.2	9,200
210	45.5	213.3	8,300
215	44.1	208.2	7,500
220	42.6	202.8	6,500
225	41.1	197.1	5,300
230	39.6	191.2	4,200