


# Liftcrane Boom Capacities

**Boom No. B10:350**  
**110,500 lb Crane Counterweight**  
**35,000 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**


## MLC150-1 SERIES 2


 **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 3 is 20,000 lb or 40,000 lb with two part whip line. When Drum 1 or Drum 2 is used, capacity with single part whip line is 29,600 lb or 59,200 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.

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface. Drive and idler tumbler must be properly blocked so that centerline of tumbler become tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram chart **No. 9831-A**. Refer to Boom Rigging **No. 80117858**, Wire Rope Specifications chart **No. 9834-A**, Counterweight Arrangements chart **No. 9828-A**, and Wind Conditions chart **No. 9833-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

 **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 26 ft 2 in. crawlers, 48 in. treads, 17 ft 5 in. gantry, load drums 1 and 2, 10 part boom hoist reeving, boom straps, 110,500 lb crane counterweight, and 35,000 lb carbody counterweight.

Consult chart **No. 9836-A** when Jib No. 134 is attached.

Upper Boom Point Deduct	
Deduct 1,200 lb from capacities when upper boom point is attached. Deduct does not apply to 49.2 ft boom length.	

Third Line Deduct	
Deduct 400 lb from capacities when boom top is equipped with optional 3rd sheave wire rope guide.	

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (ft)	Jib Offset Angle		
	5°	15°	25°
Deduct (lb)			
30.0	5,000	5,300	6,000
40.0	5,700	6,500	7,700
50.0	6,500	7,800	9,500
60.0	7,400	9,000	11,300
70.0	8,100	10,100	12,600
80.0	8,900	11,200	14,100

Weight of jib and 2,000 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. 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)	Over End of Blocked Crawlers
	Block Weight (lb)
49.2 - 196.9	7,700
206.7	4,900
216.5	2,000
226.4	2,000
236.2	2,000
246.1	1,800
255.9	#

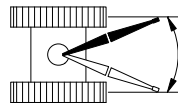
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## Explanation of Symbols


**B10**  Boom No. B10:350


 Crane Counterweight  
+  
Carbody Counterweight

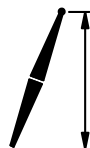
 Blocked Crawler


 Limited Swing

 Boom Length

 Operating Radius  
(see page 1)

 Boom Angle  
(see page 1)

 Boom Point Elevation  
(see page 1)

 Lifting Capacities  
(see page 1)

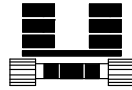
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# MLC150-1 S-2

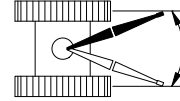
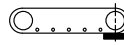
ASME B30.5



B10



110,500 lb  
+  
35,000 lb



**49.2 ft**

ft	°	ft	lb
14	80.4	55.2	330,600
15	79.2	55.0	313,400
16	78.0	54.8	293,800
17	76.8	54.5	276,500
18	75.6	54.2	261,200
19	74.4	53.9	247,400
20	73.2	53.6	235,100
22	70.7	52.8	213,700
24	68.2	52.0	195,900
26	65.6	51.1	180,800
28	63.0	50.0	167,900
30	60.3	48.8	156,700
32	57.5	47.5	146,900
34	54.6	46.1	138,200
36	51.6	44.4	130,600
38	48.5	42.6	123,700
40	45.2	40.6	117,500
42	41.6	38.3	111,900
44	37.8	35.7	106,500
46	33.6	32.7	100,000
48	28.8	29.1	94,100
49	26.1	27.0	89,300

**59.1 ft**

ft	°	ft	lb
16	80.1	64.8	293,800
17	79.1	64.6	276,500
18	78.1	64.4	261,200
19	77.1	64.1	247,400
20	76.1	63.9	235,100
22	74.0	63.3	213,700
24	72.0	62.6	195,900
26	69.9	61.8	180,800
28	67.8	61.0	167,900
30	65.7	60.1	156,700
32	63.5	59.0	146,900
34	61.3	57.9	138,200
36	59.0	56.7	130,600
38	56.6	55.3	123,700
40	54.2	53.8	117,500
42	51.7	52.2	111,900
44	49.2	50.5	106,800
46	46.5	48.6	102,200
48	43.6	46.4	97,900
50	40.6	44.1	93,200
55	32.1	36.8	81,600
58	25.7	31.0	75,700

**68.9 ft**

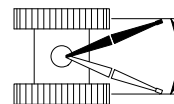
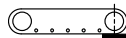
ft	°	ft	lb
18	79.8	74.5	261,200
19	79.0	74.3	247,400
20	78.1	74.0	235,100
22	76.4	73.5	213,700
24	74.7	73.0	195,900
26	72.9	72.3	180,800
28	71.1	71.6	167,900
30	69.4	70.8	156,700
32	67.6	70.0	146,900
34	65.7	69.0	138,200
36	63.9	68.0	130,600
38	62.0	66.9	123,700
40	60.0	65.8	117,500
42	58.1	64.5	111,900
44	56.0	63.1	106,800
46	54.0	61.6	102,200
48	51.8	60.0	97,900
50	49.7	58.3	93,200
55	43.8	53.4	81,700
60	37.2	47.2	72,500
65	29.3	39.1	65,000
67	25.4	34.9	62,400

# MLC150-1 S-2

ASME B30.5



110,500 lb  
+  
35,000 lb



**78.7 ft**

ft	o	ft	lb
19	80.4	84.3	247,400
20	79.6	84.1	235,100
22	78.1	83.7	213,700
24	76.6	83.2	195,900
26	75.1	82.6	180,800
28	73.6	82.0	167,900
30	72.1	81.3	156,700
32	70.5	80.6	146,900
34	68.9	79.8	138,200
36	67.4	79.0	130,600
38	65.8	78.0	123,700
40	64.1	77.0	117,500
42	62.5	76.0	111,900
44	60.8	74.8	106,800
46	59.1	73.6	102,200
48	57.4	72.3	97,900
50	55.6	70.9	93,100
55	51.0	67.0	81,600
60	46.0	62.4	72,400
65	40.6	56.8	64,900
70	34.4	50.0	58,700
75	27.0	41.1	53,400
76	25.2	38.9	52,500

**88.6 ft**

ft	o	ft	lb
21	80.1	94.0	223,900
22	79.5	93.8	213,700
24	78.1	93.3	195,900
26	76.8	92.8	180,800
28	75.5	92.3	167,900
30	74.1	91.7	156,700
32	72.8	91.1	146,900
34	71.4	90.4	138,200
36	70.0	89.6	130,600
38	68.6	88.8	123,700
40	67.2	88.0	117,500
42	65.8	87.0	111,900
44	64.3	86.1	106,800
46	62.9	85.0	102,200
48	61.4	83.9	97,900
50	59.9	82.7	93,000
55	56.0	79.4	81,500
60	52.0	75.7	72,300
65	47.7	71.3	64,800
70	43.0	66.1	58,600
75	37.9	60.0	53,300
80	32.1	52.5	48,800
85	25.1	42.9	44,900

**98.4 ft**

ft	o	ft	lb
23	79.9	103.6	204,400
24	79.3	103.4	195,900
26	78.2	102.9	180,800
28	77.0	102.5	167,900
30	75.8	101.9	156,700
32	74.5	101.4	146,900
34	73.3	100.8	138,200
36	72.1	100.1	130,600
38	70.9	99.4	123,700
40	69.6	98.6	117,500
42	68.4	97.8	111,900
44	67.1	96.9	106,800
46	65.8	96.0	102,200
48	64.5	95.1	97,900
50	63.2	94.0	92,900
55	59.9	91.2	81,300
60	56.4	88.0	72,100
65	52.8	84.3	64,600
70	49.0	80.0	58,300
75	44.9	75.2	53,100
80	40.5	69.6	48,600
85	35.7	62.9	44,700
90	30.2	54.9	41,300
93	26.4	49.1	39,500

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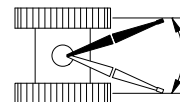
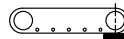
ASME B30.5



B10



110,500 lb  
+  
35,000 lb



**108.3 ft**

ft	o	ft	lb
24	80.3	113.4	195,900
26	79.2	113.0	180,800
28	78.2	112.6	167,900
30	77.1	112.1	156,700
32	76.0	111.6	146,900
34	74.9	111.0	138,200
36	73.8	110.4	130,600
38	72.7	109.8	123,700
40	71.6	109.1	117,500
42	70.4	108.4	111,900
44	69.3	107.6	106,800
46	68.1	106.8	102,200
48	67.0	105.9	97,900
50	65.8	105.0	92,800
55	62.9	102.5	81,200
60	59.8	99.7	72,000
65	56.7	96.5	64,500
70	53.4	92.8	58,300
75	50.0	88.8	53,000
80	46.4	84.1	48,500
85	42.5	78.9	44,700
90	38.4	72.8	41,300
95	33.8	65.7	38,300
100	28.5	57.1	35,600
102	26.1	53.1	34,600

**118.1 ft**

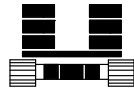
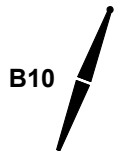
ft	o	ft	lb
26	80.2	123.1	180,800
28	79.2	122.7	167,900
30	78.2	122.2	156,700
32	77.2	121.8	146,900
34	76.2	121.2	138,200
36	75.2	120.7	130,600
38	74.2	120.1	123,700
40	73.1	119.5	117,500
42	72.1	118.8	111,900
44	71.1	118.1	106,800
46	70.1	117.4	102,200
48	69.0	116.6	97,900
50	68.0	115.8	92,600
55	65.3	113.5	81,000
60	62.6	111.0	71,700
65	59.8	108.2	64,200
70	56.9	105.0	58,000
75	53.9	101.4	52,700
80	50.8	97.4	48,300
85	47.6	93.0	44,400
90	44.2	88.0	41,000
95	40.5	82.3	38,000
100	36.5	75.8	35,300
105	32.1	68.3	33,000
110	27.1	59.1	30,800
111	26.0	57.0	30,400

**128.0 ft**

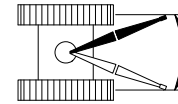
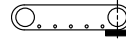
ft	o	ft	lb
27	80.5	132.9	171,300
28	80.0	132.7	167,900
30	79.1	132.3	156,700
32	78.2	131.9	146,900
34	77.3	131.4	138,200
36	76.3	130.9	130,600
38	75.4	130.4	123,700
40	74.5	129.8	117,500
42	73.5	129.2	111,900
44	72.6	128.6	106,800
46	71.7	127.9	102,200
48	70.7	127.2	97,900
50	69.8	126.4	92,300
55	67.3	124.4	80,700
60	64.9	122.1	71,500
65	62.4	119.5	64,000
70	59.8	116.6	57,800
75	57.1	113.5	52,500
80	54.4	109.9	48,000
85	51.6	106.1	44,100
90	48.6	101.8	40,700
95	45.5	97.0	37,700
100	42.2	91.6	35,100
105	38.7	85.6	32,700
110	34.9	78.7	30,600
115	30.7	70.7	28,600
120	25.8	61.0	26,900

# MLC150-1 S-2

ASME B30.5



110,500 lb  
+  
35,000 lb



**137.8 ft**

ft	o	ft	lb
29	80.3	142.5	158,800
30	79.9	142.3	156,700
32	79.0	141.9	146,900
34	78.2	141.5	138,200
36	77.3	141.0	130,600
38	76.5	140.5	123,700
40	75.6	140.0	117,500
42	74.8	139.5	111,900
44	73.9	138.9	106,800
46	73.0	138.2	102,200
48	72.1	137.6	97,600
50	71.3	136.9	92,100
55	69.0	135.0	80,500
60	66.8	132.9	71,200
65	64.5	130.6	63,700
70	62.1	128.0	57,500
75	59.8	125.1	52,200
80	57.3	122.0	47,700
85	54.8	118.5	43,800
90	52.2	114.7	40,400
95	49.4	110.5	37,400
100	46.6	105.9	34,800
105	43.6	100.8	32,400
110	40.5	95.1	30,300
115	37.1	88.7	28,300
120	33.4	81.4	26,600
125	29.4	73.0	25,000
129	25.7	65.0	23,800

**147.6 ft**

ft	o	ft	lb
31	80.2	152.2	145,500
32	79.8	152.0	143,900
34	79.0	151.6	138,200
36	78.2	151.1	130,600
38	77.4	150.7	123,700
40	76.6	150.2	117,500
42	75.8	149.7	111,900
44	75.0	149.1	106,800
46	74.2	148.5	102,200
48	73.4	147.9	97,400
50	72.6	147.3	91,900
55	70.5	145.6	80,300
60	68.4	143.6	71,000
65	66.3	141.5	63,500
70	64.2	139.1	57,300
75	62.0	136.5	52,000
80	59.7	133.6	47,500
85	57.4	130.4	43,600
90	55.1	127.0	40,200
95	52.7	123.3	37,200
100	50.2	119.2	34,600
105	47.6	114.7	32,200
110	44.8	109.8	30,100
115	42.0	104.4	28,100
120	38.9	98.3	26,400
125	35.7	91.6	24,800
130	32.1	84.0	23,300
135	28.2	75.1	21,900
138	25.5	69.0	21,200

**157.5 ft**

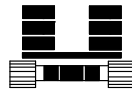
ft	o	ft	lb
32	80.4	162.0	136,000
34	79.7	161.6	132,900
36	78.9	161.2	129,800
38	78.2	160.8	123,700
40	77.5	160.3	117,500
42	76.7	159.8	111,900
44	76.0	159.3	106,800
46	75.2	158.8	102,200
48	74.4	158.2	97,200
50	73.7	157.6	91,700
55	71.8	156.0	80,000
60	69.8	154.2	70,800
65	67.9	152.2	63,200
70	65.9	150.0	57,000
75	63.9	147.6	51,700
80	61.8	144.9	47,200
85	59.7	142.1	43,300
90	57.6	138.9	39,900
95	55.4	135.5	36,900
100	53.1	131.8	34,200
105	50.8	127.8	31,900
110	48.4	123.5	29,700
115	45.9	118.7	27,800
120	43.2	113.5	26,000
125	40.5	107.8	24,400
130	37.5	101.5	23,000
135	34.4	94.4	21,600
140	31.0	86.4	20,400
145	27.1	77.2	19,200
147	25.4	73.0	18,800

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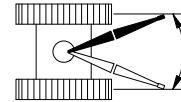
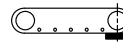
ASME B30.5



B10



110,500 lb  
+  
35,000 lb



**167.3 ft**

ft	o	ft	lb
34	80.3	171.6	124,400
36	79.6	171.2	121,700
38	78.9	170.8	119,000
40	78.2	170.4	116,400
42	77.5	170.0	111,900
44	76.8	169.5	106,800
46	76.1	169.0	102,200
48	75.4	168.4	97,000
50	74.7	167.9	91,400
55	72.9	166.4	79,700
60	71.1	164.7	70,500
65	69.3	162.8	62,900
70	67.4	160.8	56,700
75	65.5	158.5	51,400
80	63.6	156.1	46,900
85	61.7	153.4	43,000
90	59.7	150.5	39,600
95	57.7	147.4	36,600
100	55.6	144.1	33,900
105	53.5	140.4	31,600
110	51.3	136.5	29,400
115	49.1	132.2	27,500
120	46.7	127.6	25,700
125	44.3	122.6	24,100
130	41.8	117.1	22,700
135	39.1	111.1	21,300
140	36.3	104.5	20,100
145	33.2	97.1	18,900
150	29.9	88.8	17,800
155	26.2	79.1	16,800
156	25.3	77.0	16,600

**177.2 ft**

ft	o	ft	lb
36	80.2	181.3	113,300
38	79.5	180.9	110,800
40	78.9	180.5	108,300
42	78.2	180.0	105,900
44	77.5	179.6	103,500
46	76.9	179.1	101,300
48	76.2	178.6	96,700
50	75.5	178.1	91,200
55	73.9	176.7	79,500
60	72.2	175.1	70,200
65	70.5	173.3	62,600
70	68.7	171.4	56,400
75	67.0	169.3	51,100
80	65.2	167.0	46,600
85	63.4	164.6	42,700
90	61.6	161.9	39,300
95	59.7	159.0	36,300
100	57.8	155.9	33,600
105	55.8	152.6	31,200
110	53.8	149.0	29,100
115	51.8	145.1	27,200
120	49.7	140.9	25,400
125	47.5	136.4	23,800
130	45.3	131.6	22,300
135	42.9	126.3	21,000
140	40.5	120.6	19,700
145	37.9	114.3	18,600
150	35.1	107.4	17,500
155	32.1	99.7	16,500
160	28.9	91.0	15,500
165	25.3	81.0	14,700

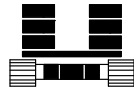
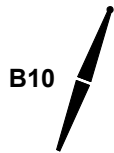
**187.0 ft**

ft	o	ft	lb
37	80.4	191.1	105,500
38	80.1	190.9	104,300
40	79.5	190.5	102,000
42	78.8	190.1	99,700
44	78.2	189.7	97,500
46	77.6	189.2	95,400
48	77.0	188.8	93,300
50	76.3	188.3	90,900
55	74.7	186.9	79,200
60	73.1	185.4	69,900
65	71.5	183.8	62,400
70	69.9	182.0	56,100
75	68.3	180.0	50,800
80	66.6	177.9	46,300
85	64.9	175.6	42,400
90	63.2	173.1	39,000
95	61.4	170.4	36,000
100	59.7	167.5	33,400
105	57.9	164.4	31,000
110	56.0	161.1	28,800
115	54.2	157.5	26,900
120	52.2	153.7	25,100
125	50.2	149.6	23,500
130	48.2	145.2	22,100
135	46.1	140.5	20,700
140	43.9	135.4	19,500
145	41.6	129.9	18,300
150	39.2	123.9	17,200
155	36.7	117.3	16,200
160	34.0	110.1	15,300
165	31.1	102.2	14,400
170	28.0	93.1	13,600
174	25.2	84.9	12,900

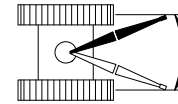
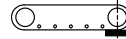


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ASME B30.5



110,500 lb  
+  
35,000 lb



**196.9 ft**

ft	o	ft	lb
39	80.3	200.7	96,800
40	80.0	200.5	95,800
42	79.4	200.2	93,700
44	78.8	199.7	91,600
46	78.2	199.3	89,600
48	77.6	198.9	87,600
50	77.0	198.4	85,600
55	75.5	197.1	79,000
60	74.0	195.7	69,700
65	72.5	194.2	62,100
70	70.9	192.5	55,800
75	69.4	190.6	50,500
80	67.8	188.6	46,000
85	66.2	186.4	42,100
90	64.6	184.1	38,700
95	63.0	181.6	35,700
100	61.3	178.9	33,000
105	59.7	176.0	30,600
110	58.0	172.9	28,500
115	56.2	169.6	26,600
120	54.4	166.0	24,800
125	52.6	162.3	23,200
130	50.7	158.3	21,700
135	48.8	153.9	20,400
140	46.8	149.3	19,100
145	44.8	144.4	18,000
150	42.7	139.0	16,900
155	40.4	133.3	15,900
160	38.1	127.1	14,900
165	35.7	120.3	14,100
170	33.1	112.8	13,200
175	30.2	104.5	12,500
180	27.2	95.2	11,500
183	25.1	88.9	10,900

**206.7 ft**

ft	o	ft	lb
40	80.5	210.5	85,500
42	79.9	210.2	84,500
44	79.4	209.8	83,500
46	78.8	209.4	82,600
48	78.2	209.0	81,000
50	77.7	208.5	79,100
55	76.2	207.3	74,800
60	74.8	206.0	69,400
65	73.3	204.5	61,800
70	71.9	202.9	55,500
75	70.4	201.1	50,200
80	68.9	199.2	45,700
85	67.4	197.2	41,800
90	65.9	195.0	38,400
95	64.4	192.6	35,400
100	62.8	190.1	32,700
105	61.3	187.3	30,300
110	59.7	184.4	28,200
115	58.0	181.4	26,200
120	56.4	178.1	24,500
125	54.7	174.6	22,900
130	53.0	170.9	21,400
135	51.2	166.9	20,000
140	49.4	162.7	18,800
145	47.5	158.1	17,600
150	45.6	153.3	16,600
155	43.6	148.2	15,600
160	41.5	142.6	14,600
165	39.4	136.6	13,700
170	37.1	130.2	12,900
175	34.7	123.1	12,100
180	32.1	115.4	11,400
185	29.4	106.8	10,500
190	26.4	97.2	9,600
192	25.1	92.9	9,300

**216.5 ft**

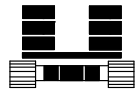
ft	o	ft	lb
42	80.4	220.2	75,900
44	79.8	219.8	75,000
46	79.3	219.4	74,100
48	78.8	219.0	73,300
50	78.2	218.6	72,400
55	76.9	217.4	70,000
60	75.5	216.2	66,200
65	74.1	214.8	61,500
70	72.7	213.2	55,200
75	71.3	211.6	49,900
80	69.9	209.8	45,400
85	68.5	207.8	41,400
90	67.1	205.7	38,000
95	65.6	203.5	35,000
100	64.2	201.1	32,300
105	62.7	198.5	30,000
110	61.2	195.8	27,800
115	59.7	192.9	25,900
120	58.1	189.8	24,100
125	56.5	186.6	22,500
130	54.9	183.1	21,000
135	53.3	179.4	19,700
140	51.6	175.5	18,400
145	49.9	171.3	17,300
150	48.1	166.9	16,200
155	46.3	162.2	15,200
160	44.4	157.2	14,300
165	42.5	151.8	13,400
170	40.4	146.0	12,600
175	38.3	139.9	11,800
180	36.1	133.2	11,100
185	33.8	125.9	10,300
190	31.3	117.9	9,400
195	28.6	109.0	8,600
200	25.6	99.1	7,800
201	25.0	96.9	7,600

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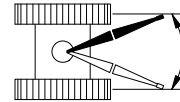
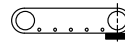
ASME B30.5



B10



110,500 lb  
+  
35,000 lb



**226.4 ft**

ft	o	ft	lb
44	80.3	229.8	71,000
46	79.8	229.5	70,300
48	79.3	229.1	69,700
50	78.7	228.7	69,000
55	77.4	227.6	67,500
60	76.1	226.3	66,000
65	74.8	225.0	61,200
70	73.5	223.5	54,900
75	72.2	222.0	49,600
80	70.9	220.2	45,100
85	69.5	218.4	41,200
90	68.1	216.4	37,700
95	66.8	214.3	34,700
100	65.4	212.0	32,000
105	64.0	209.6	29,600
110	62.5	207.0	27,500
115	61.1	204.3	25,600
120	59.6	201.4	23,800
125	58.2	198.3	22,200
130	56.6	195.1	20,700
135	55.1	191.6	19,400
140	53.5	188.0	18,100
145	51.9	184.1	16,900
150	50.3	180.0	15,900
155	48.6	175.7	14,900
160	46.9	171.1	13,900
165	45.1	166.1	13,100
170	43.3	160.9	12,200
175	41.4	155.4	11,500
180	39.4	149.4	10,700
185	37.4	143.0	10,000
190	35.2	136.0	9,200
195	32.9	128.5	8,300
200	30.5	120.3	7,500
205	27.9	111.2	6,600
209	25.6	103.0	6,000

**236.2 ft**

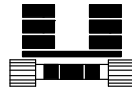
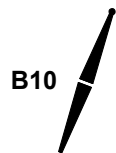
ft	o	ft	lb
45	80.5	239.6	64,100
46	80.2	239.5	63,800
48	79.7	239.1	63,200
50	79.2	238.7	62,600
55	78.0	237.7	61,100
60	76.7	236.5	59,700
65	75.5	235.2	58,400
70	74.2	233.8	54,500
75	73.0	232.3	49,200
80	71.7	230.7	44,600
85	70.4	228.9	40,700
90	69.1	227.0	37,300
95	67.8	225.0	34,300
100	66.5	222.8	31,600
105	65.1	220.5	29,200
110	63.8	218.1	27,000
115	62.4	215.5	25,100
120	61.0	212.8	23,300
125	59.6	209.9	21,700
130	58.2	206.8	20,200
135	56.8	203.6	18,900
140	55.3	200.1	17,600
145	53.8	196.5	16,500
150	52.3	192.7	15,400
155	50.7	188.7	14,400
160	49.1	184.4	13,500
165	47.5	179.9	12,600
170	45.8	175.1	11,800
175	44.1	170.0	11,000
180	42.3	164.6	10,300
185	40.4	158.8	9,600
190	38.5	152.6	8,700
195	36.5	146.0	7,800
200	34.4	138.9	7,000
205	32.1	131.1	6,300
210	29.8	122.6	5,600
215	27.2	113.2	4,800
218	25.5	107.0	4,400

**246.1 ft**

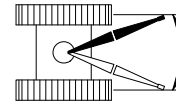
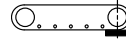
ft	o	ft	lb
47	80.4	249.3	56,600
48	80.1	249.1	56,400
50	79.7	248.7	55,800
55	78.5	247.7	54,500
60	77.3	246.6	53,300
65	76.1	245.4	52,100
70	74.9	244.1	50,900
75	73.7	242.6	48,900
80	72.4	241.0	44,400
85	71.2	239.4	40,500
90	70.0	237.5	37,000
95	68.7	235.6	34,000
100	67.5	233.6	31,300
105	66.2	231.4	28,900
110	64.9	229.1	26,800
115	63.6	226.6	24,800
120	62.3	224.0	23,100
125	61.0	221.3	21,400
130	59.6	218.4	20,000
135	58.3	215.3	18,600
140	56.9	212.1	17,400
145	55.5	208.7	16,200
150	54.0	205.1	15,100
155	52.6	201.3	14,100
160	51.1	197.3	13,200
165	49.6	193.1	12,300
170	48.0	188.6	11,500
175	46.4	183.9	10,700
180	44.8	179.0	10,000
185	43.1	173.7	9,300
190	41.3	168.1	8,600
195	39.5	162.1	7,700
200	37.6	155.8	6,900
205	35.7	148.9	6,100
210	33.6	141.6	5,400
215	31.4	133.6	4,700
220	29.1	124.9	4,000
225	26.5	115.2	3,400
227	25.4	111.0	3,100

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ASME B30.5



110,500 lb  
+  
35,000 lb



ft	°	ft	lb
49	80.3	258.9	51,100
50	80.1	258.7	50,800
55	78.9	257.8	49,600
60	77.8	256.7	48,500
65	76.6	255.5	47,300
70	75.5	254.3	46,200
75	74.3	252.9	45,200
80	73.1	251.4	44,000
85	72.0	249.8	40,000
90	70.8	248.0	36,600
95	69.6	246.2	33,600
100	68.4	244.2	30,900
105	67.2	242.1	28,500
110	65.9	239.9	26,300
115	64.7	237.6	24,400
120	63.5	235.1	22,600
125	62.2	232.5	21,000
130	60.9	229.7	19,500
135	59.6	226.8	18,200
140	58.3	223.8	16,900
145	57.0	220.6	15,700
150	55.6	217.2	14,700
155	54.3	213.6	13,700
160	52.9	209.9	12,700
165	51.4	205.9	11,800
170	50.0	201.8	11,000
175	48.5	197.4	10,200
180	47.0	192.8	9,500
185	45.4	187.9	8,800
190	43.8	182.8	8,100
195	42.1	177.3	7,300
200	40.4	171.5	6,400
205	38.7	165.4	5,700
210	36.8	158.8	5,000
215	34.9	151.8	4,300
220	32.8	144.2	3,600

REFERENCE ONLY!