


# Liftcrane Boom Capacities

**Boom No. B10:82A**  
**184,600 lb Crane Counterweight**  
**44,000 lb Carbody Counterweight**  
**360 Degree Rating**

## MLC250 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 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. 9913-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.

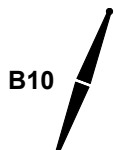
Combined weight beneath boom point sheaves must not exceed block weight shown.

**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 - 190.0	8	10,000	10,000
200.0	8	8,800	9,200
210.0	8	6,500	7,200
220.0	8	4,500	5,500
230.0	8	#	4,300
240.0	8	#	4,200
250.0	2	#	3,500
260.0	2		#
270.0	2		#
280.0 (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



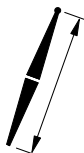
Boom No. B10:82A



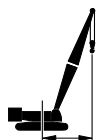
Crane Counterweight  
+  
Carbody Counterweight



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)

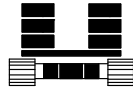
REFERENCE ONLY!

# MLC250 S-2

ASME B30.5



B10



184,600 lb  
+  
44,000 lb



70.0 ft			
ft	°	ft	lb
16	82.8	77.4	470,000 b
17	82.0	77.2	444,500 b
18	81.1	77.0	421,500 b
19	80.3	76.8	400,800 b
20	79.5	76.6	381,900 b
22	77.8	76.1	348,900 b
24	76.1	75.6	321,000 b
26	74.4	75.0	297,100
28	72.7	74.3	276,300
30	70.9	73.6	250,400
32	69.2	72.8	226,400
34	67.4	71.9	206,300
36	65.6	71.0	189,300
38	63.7	70.0	174,800
40	61.9	68.9	162,200
42	60.0	67.7	151,100
44	58.0	66.4	141,400
46	56.0	65.0	132,700
48	54.0	63.5	124,900
50	51.9	61.9	117,900
55	46.3	57.2	103,100
60	40.1	51.5	91,200
65	32.9	44.3	81,500
70	23.7	34.3	73,200

80.0 ft			
ft	°	ft	lb
17	83.0	87.3	443,700 b
18	82.3	87.2	420,800 b
19	81.5	87.0	400,000 b
20	80.8	86.8	381,200 b
22	79.4	86.4	348,200 b
24	77.9	85.9	320,300 b
26	76.4	85.4	296,400
28	74.9	84.8	275,600
30	73.4	84.2	250,600
32	71.9	83.5	226,400
34	70.4	82.8	206,400
36	68.8	82.0	189,300
38	67.3	81.1	174,800
40	65.7	80.2	162,100
42	64.1	79.2	151,000
44	62.5	78.1	141,300
46	60.8	76.9	132,600
48	59.1	75.7	124,800
50	57.4	74.4	117,800
55	53.0	70.7	103,000
60	48.2	66.3	91,100
65	43.1	61.1	81,400
70	37.3	54.9	73,300
75	30.6	47.0	66,300
80	22.0	36.1	60,300

90.0 ft			
ft	°	ft	lb
19	82.5	97.1	399,400 b
20	81.8	97.0	380,500 b
22	80.6	96.6	347,500 b
24	79.3	96.2	319,600 b
26	77.9	95.7	295,700
28	76.6	95.2	275,000
30	75.3	94.7	250,700
32	74.0	94.1	226,500
34	72.6	93.4	206,400
36	71.3	92.7	189,300
38	69.9	91.9	174,700
40	68.6	91.1	162,000
42	67.2	90.3	151,000
44	65.8	89.3	141,200
46	64.3	88.3	132,500
48	62.9	87.3	124,700
50	61.4	86.2	117,700
55	57.7	83.1	102,900
60	53.8	79.5	91,000
65	49.6	75.3	81,300
70	45.2	70.5	73,100
75	40.4	64.8	66,200
80	35.0	58.0	60,300
85	28.7	49.5	55,100
90	20.7	37.9	50,500

# MLC250 S-2

ASME B30.5



184,600 lb  
+  
44,000 lb



**100.0 ft**

ft	o	ft	lb
20	82.7	107.1	380,400 b
22	81.5	106.8	347,500 b
24	80.3	106.4	319,600 b
26	79.2	106.0	295,700
28	78.0	105.5	274,900
30	76.8	105.0	251,000
32	75.6	104.5	226,800
34	74.4	103.9	206,600
36	73.2	103.3	189,600
38	72.0	102.6	174,900
40	70.8	101.9	162,300
42	69.6	101.1	151,200
44	68.3	100.3	141,400
46	67.1	99.4	132,700
48	65.8	98.5	124,900
50	64.6	97.5	117,900
55	61.3	94.8	103,000
60	57.9	91.7	91,200
65	54.4	88.2	81,400
70	50.8	84.2	73,300
75	46.9	79.6	66,500
80	42.7	74.4	60,500
85	38.2	68.2	55,400
90	33.1	60.9	50,900
95	27.2	51.8	46,900
100	19.5	39.5	43,200

**110.0 ft**

ft	o	ft	lb
22	82.3	116.9	346,700
24	81.2	116.6	318,900
26	80.2	116.2	295,000
28	79.1	115.8	274,200
30	78.0	115.3	250,900
32	77.0	114.8	226,700
34	75.9	114.3	206,500
36	74.8	113.8	189,400
38	73.7	113.1	174,800
40	72.6	112.5	162,100
42	71.5	111.8	150,900
44	70.4	111.1	141,100
46	69.3	110.3	132,400
48	68.2	109.5	124,600
50	67.0	108.6	117,600
55	64.1	106.2	102,700
60	61.2	103.5	90,800
65	58.1	100.4	81,100
70	55.0	97.0	73,000
75	51.7	93.1	66,100
80	48.2	88.7	60,200
85	44.5	83.7	55,100
90	40.6	78.0	50,600
95	36.3	71.5	46,600
100	31.5	63.7	43,000
105	25.8	54.1	39,800
110	18.6	41.1	36,800

**120.0 ft**

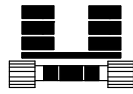
ft	o	ft	lb
22	82.9	127.0	324,500
24	82.0	126.7	318,600
26	81.0	126.4	294,700
28	80.0	126.0	274,000
30	79.1	125.6	251,000
32	78.1	125.1	226,800
34	77.1	124.7	206,600
36	76.1	124.1	189,400
38	75.1	123.6	174,800
40	74.1	123.0	162,100
42	73.1	122.4	150,900
44	72.1	121.7	141,100
46	71.1	121.0	132,400
48	70.1	120.2	124,600
50	69.1	119.5	117,500
55	66.5	117.3	102,700
60	63.8	114.9	90,800
65	61.1	112.1	81,100
70	58.3	109.1	73,000
75	55.4	105.7	66,100
80	52.4	101.9	60,200
85	49.3	97.7	55,000
90	46.0	92.9	50,500
95	42.5	87.6	46,600
100	38.8	81.5	43,000
105	34.7	74.6	39,800
110	30.1	66.3	37,000
115	24.7	56.2	34,300
120	17.7	42.5	31,900

# MLC250 S-2

ASME B30.5



B10



184,600 lb  
+  
44,000 lb



360°

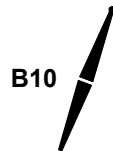
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	295,000
26	81.7	136.5	294,300
28	80.8	136.2	273,500
30	79.9	135.8	251,000
32	79.0	135.4	226,800
34	78.1	134.9	206,500
36	77.2	134.5	189,400
38	76.3	133.9	174,700
40	75.4	133.4	162,000
42	74.5	132.8	150,800
44	73.5	132.2	141,000
46	72.6	131.6	132,200
48	71.7	130.9	124,400
50	70.7	130.2	117,400
55	68.4	128.2	102,500
60	66.0	126.0	90,600
65	63.5	123.5	80,900
70	61.0	120.8	72,700
75	58.4	117.8	65,800
80	55.8	114.4	59,900
85	53.0	110.7	54,800
90	50.2	106.6	50,300
95	47.2	102.0	46,400
100	44.1	97.0	42,800
105	40.7	91.3	39,600
110	37.1	84.9	36,800
115	33.2	77.5	34,200
120	28.8	68.9	31,800
125	23.6	58.2	29,600
130	17.0	44.0	27,600

140.0 ft			
ft	o	ft	lb
26	82.3	146.6	293,400
28	81.5	146.3	273,300
30	80.6	146.0	251,000
32	79.8	145.6	226,700
34	79.0	145.2	206,500
36	78.1	144.7	189,300
38	77.3	144.3	174,600
40	76.5	143.8	161,900
42	75.6	143.2	150,700
44	74.8	142.7	140,900
46	73.9	142.1	132,100
48	73.0	141.4	124,300
50	72.2	140.8	117,200
55	70.0	139.0	102,400
60	67.8	137.0	90,500
65	65.6	134.7	80,700
70	63.3	132.2	72,600
75	60.9	129.5	65,700
80	58.5	126.4	59,800
85	56.1	123.1	54,700
90	53.5	119.5	50,200
95	50.9	115.4	46,200
100	48.2	111.0	42,700
105	45.3	106.2	39,500
110	42.3	100.8	36,700
115	39.1	94.8	34,100
120	35.7	88.1	31,700
125	31.9	80.3	29,500
130	27.7	71.3	27,500
135	22.7	60.2	25,700
140	16.3	45.3	23,900

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	250,900
32	80.5	155.8	226,600
34	79.7	155.4	206,300
36	78.9	155.0	189,100
38	78.2	154.5	174,300
40	77.4	154.1	161,600
42	76.6	153.6	150,400
44	75.8	153.0	140,500
46	75.0	152.5	131,800
48	74.2	151.9	123,900
50	73.4	151.3	116,900
55	71.4	149.6	102,000
60	69.4	147.8	90,000
65	67.3	145.7	80,300
70	65.2	143.4	72,100
75	63.0	140.9	65,200
80	60.9	138.1	59,300
85	58.6	135.1	54,200
90	56.4	131.8	49,700
95	54.0	128.2	45,700
100	51.6	124.3	42,200
105	49.1	120.0	39,000
110	46.4	115.3	36,200
115	43.7	110.2	33,600
120	40.8	104.5	31,200
125	37.7	98.2	29,100
130	34.4	91.1	27,100
135	30.8	83.1	25,200
140	26.7	73.6	23,500
145	21.9	62.1	21,900
150	15.7	46.7	20,400

# MLC250 S-2

ASME B30.5



184,600 lb  
+  
44,000 lb



**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	226,400
34	80.4	165.6	206,100
36	79.6	165.2	188,900
38	78.9	164.8	174,200
40	78.2	164.3	161,400
42	77.4	163.9	150,200
44	76.7	163.4	140,300
46	76.0	162.9	131,600
48	75.2	162.3	123,700
50	74.5	161.7	116,700
55	72.6	160.2	101,700
60	70.7	158.5	89,800
65	68.8	156.5	80,000
70	66.8	154.4	71,900
75	64.9	152.1	65,000
80	62.9	149.5	59,100
85	60.8	146.8	53,900
90	58.7	143.8	49,400
95	56.6	140.5	45,500
100	54.4	137.0	41,900
105	52.1	133.1	38,800
110	49.8	128.9	35,900
115	47.4	124.4	33,300
120	44.9	119.5	31,000
125	42.2	114.0	28,800
130	39.4	108.1	26,900
135	36.5	101.5	25,000
140	33.3	94.1	23,300
145	29.8	85.7	21,800
150	25.8	75.9	20,300
155	21.2	63.9	18,900
160	15.2	47.9	17,600

**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	206,000
36	80.3	175.4	188,700
38	79.6	175.0	174,000
40	78.9	174.6	161,200
42	78.2	174.1	150,000
44	77.5	173.7	140,100
46	76.8	173.2	131,300
48	76.1	172.7	123,500
50	75.4	172.1	116,400
55	73.7	170.7	101,400
60	71.9	169.1	89,500
65	70.1	167.3	79,700
70	68.3	165.3	71,600
75	66.4	163.1	64,600
80	64.6	160.8	58,700
85	62.7	158.2	53,600
90	60.8	155.4	49,100
95	58.8	152.4	45,100
100	56.8	149.2	41,600
105	54.7	145.7	38,400
110	52.6	141.9	35,600
115	50.4	137.8	33,000
120	48.2	133.4	30,600
125	45.9	128.6	28,500
130	43.4	123.4	26,500
135	40.9	117.8	24,700
140	38.2	111.5	23,000
145	35.3	104.6	21,400
150	32.2	97.0	20,000
155	28.8	88.2	18,600
160	25.0	78.0	17,300
165	20.5	65.7	16,100

**180.0 ft**

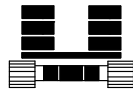
ft	o	ft	lb
30	82.7	186.5	206,500
32	82.1	186.2	206,500
34	81.5	185.8	205,800
36	80.8	185.5	188,600
38	80.2	185.2	173,800
40	79.5	184.8	161,000
42	78.9	184.4	149,800
44	78.2	183.9	139,900
46	77.6	183.5	131,100
48	76.9	183.0	123,200
50	76.2	182.5	116,100
55	74.6	181.1	101,200
60	72.9	179.6	89,200
65	71.3	177.9	79,400
70	69.6	176.1	71,300
75	67.8	174.0	64,400
80	66.1	171.8	58,400
85	64.3	169.4	53,300
90	62.5	166.9	48,800
95	60.7	164.1	44,800
100	58.9	161.1	41,300
105	57.0	157.9	38,100
110	55.0	154.4	35,300
115	53.1	150.7	32,700
120	51.0	146.7	30,300
125	48.9	142.4	28,200
130	46.7	137.7	26,200
135	44.5	132.7	24,400
140	42.1	127.3	22,700
145	39.7	121.3	21,200
150	37.1	114.9	19,700
155	34.3	107.7	18,400
160	31.3	99.7	17,100
165	28.0	90.7	15,900
170	24.3	80.2	14,700
175	19.9	67.4	13,700

# MLC250 S-2

ASME B30.5



B10



184,600 lb  
+  
44,000 lb



360°

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	188,400
38	80.7	195.3	173,600
40	80.1	194.9	160,700
42	79.5	194.6	149,500
44	78.8	194.2	139,600
46	78.2	193.7	130,800
48	77.6	193.3	122,900
50	77.0	192.8	115,800
55	75.4	191.5	100,800
60	73.9	190.1	88,800
65	72.3	188.5	79,000
70	70.7	186.7	70,800
75	69.1	184.8	63,900
80	67.4	182.8	58,000
85	65.8	180.5	52,800
90	64.1	178.1	48,300
95	62.4	175.5	44,300
100	60.7	172.7	40,800
105	58.9	169.8	37,600
110	57.1	166.6	34,800
115	55.3	163.1	32,200
120	53.4	159.4	29,800
125	51.5	155.5	27,700
130	49.5	151.3	25,700
135	47.5	146.8	23,900
140	45.4	141.9	22,200
145	43.2	136.7	20,600
150	40.9	131.0	19,200
155	38.6	124.8	17,800
160	36.0	118.1	16,600
165	33.3	110.7	15,400
170	30.4	102.4	14,300
175	27.2	93.1	13,200
180	23.6	82.2	12,200
185	19.4	69.1	11,200

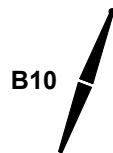
200.0 ft			
ft	o	ft	lb
32	82.9	206.4	177,000
34	82.3	206.1	177,000
36	81.7	205.8	177,000
38	81.2	205.5	173,300
40	80.6	205.1	160,500
42	80.0	204.7	149,200
44	79.4	204.4	139,300
46	78.8	204.0	130,500
48	78.2	203.5	122,600
50	77.6	203.1	115,500
55	76.2	201.8	100,500
60	74.7	200.5	88,500
65	73.2	199.0	78,700
70	71.7	197.3	70,500
75	70.2	195.6	63,600
80	68.6	193.6	57,600
85	67.1	191.5	52,500
90	65.5	189.2	48,000
95	63.9	186.8	44,000
100	62.3	184.2	40,400
105	60.7	181.4	37,300
110	59.0	178.4	34,400
115	57.3	175.2	31,800
120	55.6	171.8	29,500
125	53.8	168.2	27,300
130	52.0	164.3	25,400
135	50.1	160.2	23,500
140	48.2	155.8	21,900
145	46.2	151.0	20,300
150	44.2	146.0	18,900
155	42.1	140.5	17,500
160	39.8	134.6	16,200
165	37.5	128.2	15,100
170	35.1	121.2	13,900
175	32.4	113.6	12,900
180	29.6	105.0	11,900
185	26.5	95.4	10,900
190	23.0	84.2	10,000
195	18.9	70.7	9,200

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	160,200
42	80.5	214.9	149,000
44	79.9	214.5	139,000
46	79.4	214.2	130,200
48	78.8	213.7	122,300
50	78.2	213.3	115,200
55	76.8	212.2	100,200
60	75.4	210.9	88,100
65	74.0	209.4	78,300
70	72.6	207.9	70,100
75	71.1	206.2	63,200
80	69.7	204.4	57,200
85	68.2	202.4	52,100
90	66.7	200.2	47,600
95	65.2	197.9	43,600
100	63.7	195.5	40,000
105	62.2	192.9	36,900
110	60.6	190.1	34,000
115	59.0	187.1	31,400
120	57.4	183.9	29,100
125	55.8	180.5	26,900
130	54.1	176.9	24,900
135	52.4	173.1	23,100
140	50.6	169.1	21,400
145	48.8	164.7	19,900
150	47.0	160.1	18,400
155	45.0	155.2	17,100
160	43.1	149.9	15,800
165	41.0	144.2	14,600
170	38.8	138.1	13,500
175	36.6	131.5	12,500
180	34.2	124.3	11,500
185	31.6	116.4	10,600
190	28.9	107.6	9,700
195	25.8	97.7	8,800
200	22.4	86.2	8,000
205	18.4	72.3	7,200



# MLC250 S-2

ASME B30.5



184,600 lb  
+  
44,000 lb



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	148,700
44	80.4	224.7	138,700
46	79.9	224.3	129,900
48	79.3	224.0	122,000
50	78.8	223.5	114,900
55	77.5	222.4	99,800
60	76.1	221.2	87,800
65	74.8	219.9	78,000
70	73.4	218.4	69,800
75	72.0	216.8	62,800
80	70.7	215.0	56,900
85	69.3	213.1	51,700
90	67.9	211.1	47,200
95	66.4	208.9	43,200
100	65.0	206.6	39,700
105	63.6	204.2	36,500
110	62.1	201.5	33,600
115	60.6	198.7	31,100
120	59.1	195.8	28,700
125	57.5	192.6	26,500
130	56.0	189.2	24,600
135	54.4	185.7	22,800
140	52.7	181.9	21,100
145	51.1	177.9	19,500
150	49.4	173.7	18,100
155	47.6	169.1	16,700
160	45.8	164.3	15,500
165	43.9	159.2	14,300
170	42.0	153.7	13,200
175	40.0	147.8	12,100
180	37.9	141.5	11,100
185	35.7	134.7	10,200
190	33.4	127.3	9,300
195	30.9	119.1	8,500
200	28.2	110.1	7,700
205	25.2	99.9	6,900
210	21.9	88.1	6,200
215	17.9	73.8	5,500

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	129,500
48	79.8	234.1	121,600
50	79.3	233.8	114,500
55	78.0	232.7	99,400
60	76.7	231.5	87,400
65	75.4	230.2	77,500
70	74.2	228.8	69,300
75	72.8	227.3	62,300
80	71.5	225.6	56,400
85	70.2	223.8	51,200
90	68.9	221.9	46,700
95	67.5	219.9	42,700
100	66.2	217.7	39,100
105	64.8	215.3	36,000
110	63.4	212.8	33,100
115	62.0	210.2	30,500
120	60.6	207.4	28,100
125	59.1	204.4	26,000
130	57.6	201.3	24,000
135	56.1	197.9	22,200
140	54.6	194.4	20,500
145	53.1	190.7	19,000
150	51.5	186.7	17,500
155	49.9	182.6	16,200
160	48.2	178.1	14,900
165	46.5	173.4	13,700
170	44.7	168.4	12,600
175	42.9	163.1	11,600
180	41.0	157.5	10,600
185	39.1	151.4	9,600
190	37.0	144.9	8,800
195	34.9	137.8	7,900
200	32.6	130.2	7,100
205	30.2	121.8	6,400
210	27.5	112.5	5,700
215	24.6	102.0	5,000
220	21.4	89.9	4,300

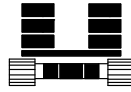
240.0 ft			
ft	o	ft	lb
38	82.6	245.9	127,000
40	82.2	245.6	126,500
42	81.7	245.3	125,700
44	81.2	245.0	124,500
46	80.7	244.7	123,400
48	80.2	244.3	121,300
50	79.7	243.9	114,100
55	78.5	242.9	99,100
60	77.3	241.8	87,000
65	76.1	240.6	77,100
70	74.8	239.2	68,900
75	73.6	237.8	62,000
80	72.3	236.2	56,000
85	71.1	234.5	50,800
90	69.8	232.6	46,300
95	68.5	230.7	42,300
100	67.2	228.6	38,700
105	65.9	226.4	35,600
110	64.6	224.0	32,700
115	63.3	221.5	30,100
120	61.9	218.9	27,700
125	60.5	216.0	25,600
130	59.2	213.1	23,600
135	57.7	209.9	21,800
140	56.3	206.6	20,100
145	54.9	203.1	18,600
150	53.4	199.4	17,100
155	51.9	195.6	15,800
160	50.3	191.4	14,500
165	48.7	187.1	13,300
170	47.1	182.5	12,200
175	45.4	177.6	11,200
180	43.7	172.4	10,200
185	42.0	166.9	9,300
190	40.1	161.1	8,400
195	38.2	154.8	7,500
200	36.2	148.1	6,800
205	34.1	140.9	6,000
210	31.9	133.0	5,300
215	29.5	124.4	4,600

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ASME B30.5



B10



184,600 lb  
+  
44,000 lb



360°

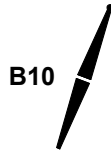
250.0 ft			
ft	°	ft	lb
38	82.9	256.0	116,200
40	82.5	255.7	115,300
42	82.0	255.4	114,200
44	81.5	255.1	113,100
46	81.1	254.8	112,000
48	80.6	254.5	111,000
50	80.2	254.1	109,900
55	79.0	253.1	99,400
60	77.8	252.1	87,400
65	76.6	250.9	77,500
70	75.5	249.6	69,300
75	74.3	248.2	62,300
80	73.1	246.7	56,300
85	71.9	245.1	51,100
90	70.6	243.3	46,600
95	69.4	241.4	42,600
100	68.2	239.4	39,000
105	66.9	237.3	35,900
110	65.7	235.1	33,000
115	64.4	232.7	30,400
120	63.1	230.2	28,000
125	61.8	227.5	25,900
130	60.5	224.7	23,900
135	59.2	221.7	22,100
140	57.8	218.6	20,400
145	56.5	215.3	18,800
150	55.1	211.9	17,400
155	53.7	208.2	16,100
160	52.2	204.4	14,800
165	50.7	200.3	13,600
170	49.2	196.0	12,500
175	47.7	191.5	11,500
180	46.1	186.7	10,500
185	44.5	181.7	9,600
190	42.8	176.4	8,700
195	41.1	170.7	7,800
200	39.3	164.6	7,100
205	37.4	158.2	6,300
210	35.4	151.3	5,600
215	33.4	143.9	4,900
220	31.2	135.8	4,300

260.0 ft			
ft	°	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	87,000
65	77.2	261.2	77,100
70	76.0	259.9	68,900
75	74.9	258.6	61,900
80	73.7	257.1	55,900
85	72.6	255.6	50,700
90	71.4	253.9	46,200
95	70.2	252.1	42,200
100	69.1	250.2	38,600
105	67.9	248.2	35,500
110	66.7	246.1	32,600
115	65.5	243.8	30,000
120	64.3	241.4	27,600
125	63.0	238.8	25,500
130	61.8	236.2	23,500
135	60.5	233.4	21,700
140	59.2	230.4	20,000
145	57.9	227.3	18,400
150	56.6	224.0	17,000
155	55.3	220.6	15,600
160	53.9	216.9	14,400
165	52.5	213.1	13,200
170	51.1	209.1	12,100
175	49.7	204.9	11,100
180	48.2	200.5	10,100
185	46.7	195.8	9,100
190	45.1	190.9	8,300
195	43.6	185.7	7,400
200	41.9	180.2	6,700
205	40.2	174.3	5,900
210	38.5	168.1	5,200
215	36.6	161.5	4,500

270.0 ft			
ft	°	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	86,600
65	77.6	271.4	76,700
70	76.6	270.3	68,400
75	75.5	269.0	61,400
80	74.4	267.6	55,400
85	73.2	266.1	50,200
90	72.1	264.5	45,700
95	71.0	262.8	41,700
100	69.9	260.9	38,100
105	68.7	259.0	34,900
110	67.6	256.9	32,000
115	66.4	254.8	29,400
120	65.3	252.5	27,100
125	64.1	250.1	24,900
130	62.9	247.5	22,900
135	61.7	244.8	21,100
140	60.5	242.0	19,400
145	59.3	239.1	17,900
150	58.0	236.0	16,400
155	56.7	232.7	15,100
160	55.4	229.3	13,800
165	54.1	225.7	12,600
170	52.8	221.9	11,500
175	51.5	218.0	10,500
180	50.1	213.8	9,500
185	48.7	209.4	8,600
190	47.2	204.9	7,700
195	45.8	200.0	6,900
200	44.2	194.9	6,100
205	42.7	189.6	5,300
210	41.1	183.9	4,600

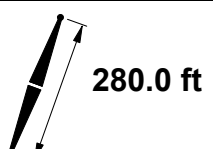
# MLC250 S-2

ASME B30.5




**184,600 lb**  
 +  
**44,000 lb**



			
ft	°	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	76,300
70	77.0	280.5	68,000
75	76.0	279.3	61,000
80	74.9	278.0	55,000
85	73.9	276.5	49,800
90	72.8	275.0	45,300
95	71.7	273.3	41,300
100	70.6	271.6	37,700
105	69.5	269.7	34,500
110	68.4	267.8	31,600
115	67.3	265.7	29,000
120	66.2	263.5	26,700
125	65.1	261.2	24,500
130	64.0	258.7	22,500
135	62.8	256.2	20,700
140	61.6	253.5	19,000
145	60.5	250.7	17,400
150	59.3	247.7	16,000
155	58.1	244.6	14,600
160	56.9	241.4	13,400
165	55.6	238.0	12,200
170	54.4	234.4	11,100
175	53.1	230.7	10,000
180	51.8	226.8	9,100
185	50.5	222.7	8,100
190	49.1	218.4	7,300
195	47.7	213.9	6,400
200	46.3	209.1	5,600
205	44.9	204.2	4,900
210	43.4	198.9	4,200

REFERENCE ONLY!