


# Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. B10:82A  
Luffing Jib No. 135  
149,600 lb Crane Counterweight  
0 lb Carbody Counterweight  
360 Degree Rating


## MLC250 SERIES 1


 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths, luffing jib lengths, boom-to-luffing jib angles, and boom 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.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves is considered part of load. Weight of luffing jib and 3,000 lb suspended beneath luffing jib point sheaves have been included in capacity determination. 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. Supporting surface and bearing turntable are to be level within a tolerance of 1/2 in. in 10 ft. During operation, luffing jib must be maintained at proper boom-to-luffing jib angle shown in table. Refer to Boom Rigging **No. 80137888**, Luffing Jib Rigging **No. 80138074**, Wire Rope Specifications chart **No. 9942-A**, Counterweight Arrangements chart **No. 9893-A**, Luffing Jib Raising Procedure chart **No. 9937-A**, and Wind Conditions chart **No. 9936-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 and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9938-A**.

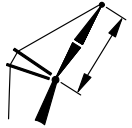
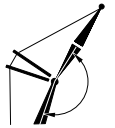
 **OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

 **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, boom support straps, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays.

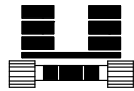
Consult chart **No. 9922-A** for luffing jib capacities.

Luffing Jib Position During Operation	
 Luffing Jib Length Feet	 Boom-to-Luffing Jib Angle Degrees
70	140
80 - 90	150
100 - 120	160
130 - 170	168

## Explanation of Symbols



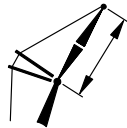
135 Luffing Jib No. 135  
+  
B10 Boom No. B10:82A



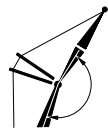
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Luffing Jib Length



Boom-to-Luffing Jib Angle



Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



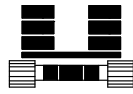
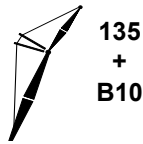
Boom Point Elevation  
(see page 1)



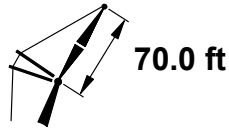
Lifting Capacities  
(see page 1)

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



80.0 ft			
ft	°	ft	lb
17	83.0	87.3	363,800
18	82.3	87.2	359,400
19	81.5	87.0	355,200
20	80.8	86.8	339,000
22	79.4	86.4	307,700
24	77.9	85.9	262,500
26	76.4	85.4	225,200
28	74.9	84.8	196,200
30	73.4	84.2	172,900
32	71.9	83.5	153,900
34	70.4	82.8	138,100

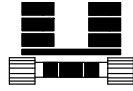
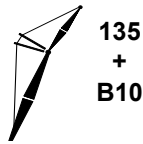
90.0 ft			
ft	°	ft	lb
19	82.5	97.1	325,300
20	81.8	97.0	321,500
22	80.6	96.6	307,400
24	79.3	96.2	263,600
26	77.9	95.7	226,100
28	76.6	95.2	197,000
30	75.3	94.7	173,600
32	74.0	94.1	154,600
34	72.6	93.4	138,700
36	71.3	92.7	125,200
37	70.6	92.3	119,200

100.0 ft			
ft	°	ft	lb
20	82.7	107.1	311,600
22	81.5	106.8	304,900
24	80.3	106.4	264,500
26	79.2	106.0	226,900
28	78.0	105.5	197,800
30	76.8	105.0	174,400
32	75.6	104.5	155,300
34	74.4	103.9	139,400
36	73.2	103.3	125,900
38	72.0	102.6	114,300
40	70.8	101.9	104,300
41	70.2	101.5	99,800

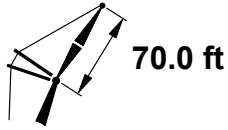
REFERENCE

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



110.0 ft			
ft	o	ft	lb
21	82.8	117.0	286,700
22	82.3	116.9	283,600
24	81.2	116.6	265,200
26	80.2	116.2	227,500
28	79.1	115.8	198,200
30	78.0	115.3	174,800
32	77.0	114.8	155,600
34	75.9	114.3	139,600
36	74.8	113.8	126,100
38	73.7	113.1	114,500
40	72.6	112.5	104,500
42	71.5	111.8	95,700
44	70.4	111.1	87,900

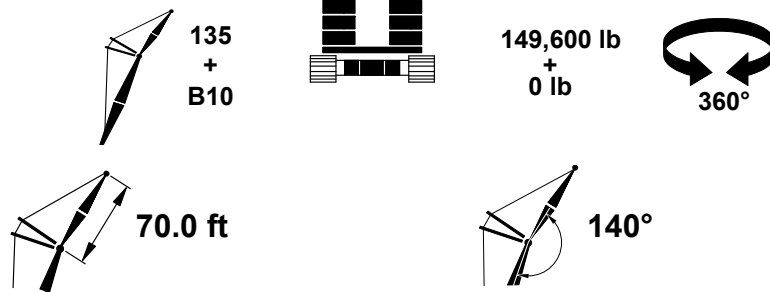
120.0 ft			
ft	o	ft	lb
22	82.9	127.0	275,600
24	82.0	126.7	265,800
26	81.0	126.4	228,100
28	80.0	126.0	198,700
30	79.1	125.6	175,200
32	78.1	125.1	156,000
34	77.1	124.7	140,000
36	76.1	124.1	126,500
38	75.1	123.6	114,800
40	74.1	123.0	104,800
42	73.1	122.4	96,000
44	72.1	121.7	88,200
46	71.1	121.0	81,300
48	70.1	120.2	75,100

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	253,000
26	81.7	136.5	228,500
28	80.8	136.2	199,100
30	79.9	135.8	175,500
32	79.0	135.4	156,300
34	78.1	134.9	140,200
36	77.2	134.5	126,600
38	76.3	133.9	115,000
40	75.4	133.4	104,900
42	74.5	132.8	96,100
44	73.5	132.2	88,300
46	72.6	131.6	81,400
48	71.7	130.9	75,200
50	70.7	130.2	69,600
51	70.3	129.8	67,000

REFER TO

# MLC250 S-1

ASME B30.5



140.0 ft			
ft	°	ft	lb
25	82.7	146.8	242,700
26	82.3	146.6	228,800
28	81.5	146.3	199,400
30	80.6	146.0	175,800
32	79.8	145.6	156,500
34	79.0	145.2	140,400
36	78.1	144.7	126,800
38	77.3	144.3	115,200
40	76.5	143.8	105,100
42	75.6	143.2	96,200
44	74.8	142.7	88,400
46	73.9	142.1	81,500
48	73.0	141.4	75,300
50	72.2	140.8	69,700
54	70.4	139.4	60,100

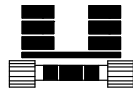
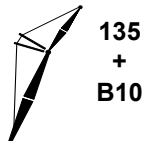
150.0 ft			
ft	°	ft	lb
26	82.8	156.7	215,000
28	82.0	156.4	199,600
30	81.3	156.1	176,000
32	80.5	155.8	156,600
34	79.7	155.4	140,500
36	78.9	155.0	126,800
38	78.2	154.5	115,100
40	77.4	154.1	105,000
42	76.6	153.6	96,100
44	75.8	153.0	88,300
46	75.0	152.5	81,300
48	74.2	151.9	75,100
50	73.4	151.3	69,500
55	71.4	149.6	57,700
58	70.2	148.5	51,800

160.0 ft			
ft	°	ft	lb
27	82.9	166.7	203,200
28	82.5	166.5	199,800
30	81.8	166.2	176,100
32	81.1	165.9	156,700
34	80.4	165.6	140,500
36	79.6	165.2	126,900
38	78.9	164.8	115,100
40	78.2	164.3	105,000
42	77.4	163.9	96,100
44	76.7	163.4	88,300
46	76.0	162.9	81,300
48	75.2	162.3	75,100
50	74.5	161.7	69,400
55	72.6	160.2	57,600
60	70.7	158.5	48,100
61	70.3	158.1	46,400

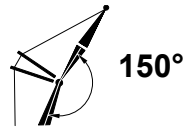
REFER TO

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



80.0 ft			
ft	o	ft	lb
17	83.0	87.3	363,900
18	82.3	87.2	359,400
19	81.5	87.0	355,000
20	80.8	86.8	338,900
22	79.4	86.4	307,500
24	77.9	85.9	262,300
26	76.4	85.4	224,800
28	74.9	84.8	195,600
30	73.4	84.2	172,200
32	71.9	83.5	153,100
34	70.4	82.8	137,100
36	68.8	82.0	123,600
38	67.3	81.1	112,100
40	65.7	80.2	102,000
42	64.1	79.2	93,300

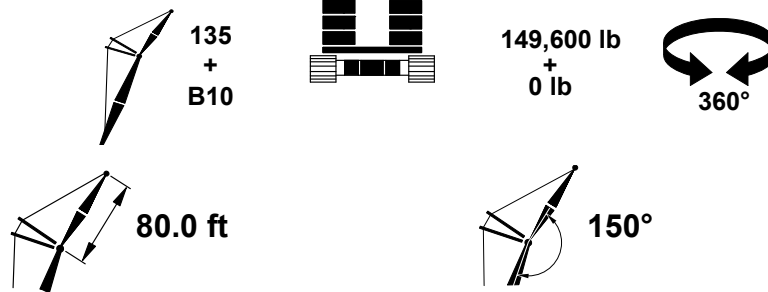
90.0 ft			
ft	o	ft	lb
19	82.5	97.1	325,200
20	81.8	97.0	321,400
22	80.6	96.6	307,200
24	79.3	96.2	263,600
26	77.9	95.7	225,900
28	76.6	95.2	196,500
30	75.3	94.7	173,100
32	74.0	94.1	153,900
34	72.6	93.4	137,900
36	71.3	92.7	124,300
38	69.9	91.9	112,700
40	68.6	91.1	102,700
42	67.2	90.3	93,900
44	65.8	89.3	86,100
46	64.3	88.3	79,200

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	311,500
22	81.5	106.8	304,600
24	80.3	106.4	264,700
26	79.2	106.0	226,900
28	78.0	105.5	197,500
30	76.8	105.0	174,000
32	75.6	104.5	154,800
34	74.4	103.9	138,700
36	73.2	103.3	125,200
38	72.0	102.6	113,500
40	70.8	101.9	103,500
42	69.6	101.1	94,600
44	68.3	100.3	86,900
46	67.1	99.4	79,900
48	65.8	98.5	73,700
50	64.6	97.5	68,200

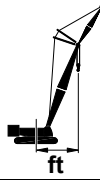

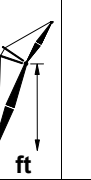

REFER TO SPECIFICATIONS

# MLC250 S-1

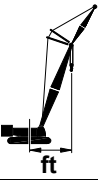
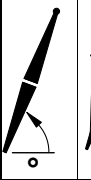
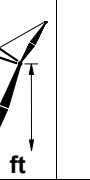

ASME B30.5




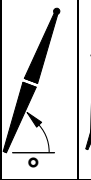
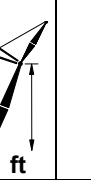

**110.0 ft**

	 ft	 °	 ft	 lb
21	82.8	117.0	286,500	
22	82.3	116.9	283,300	
24	81.2	116.6	265,500	
26	80.2	116.2	227,600	
28	79.1	115.8	198,100	
30	78.0	115.3	174,500	
32	77.0	114.8	155,200	
34	75.9	114.3	139,100	
36	74.8	113.8	125,500	
38	73.7	113.1	113,800	
40	72.6	112.5	103,700	
42	71.5	111.8	94,900	
44	70.4	111.1	87,000	
46	69.3	110.3	80,100	
48	68.2	109.5	73,900	
50	67.0	108.6	68,300	
55	64.1	106.2	56,500	

**120.0 ft**

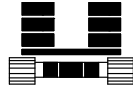
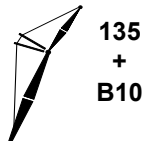
	 ft	 °	 ft	 lb
22	82.9	127.0	275,300	
24	82.0	126.7	266,200	
26	81.0	126.4	228,200	
28	80.0	126.0	198,700	
30	79.1	125.6	175,100	
32	78.1	125.1	155,700	
34	77.1	124.7	139,600	
36	76.1	124.1	125,900	
38	75.1	123.6	114,200	
40	74.1	123.0	104,100	
42	73.1	122.4	95,200	
44	72.1	121.7	87,400	
46	71.1	121.0	80,500	
48	70.1	120.2	74,200	
50	69.1	119.5	68,600	
55	66.5	117.3	56,800	
59	64.3	115.4	49,100	

**130.0 ft**

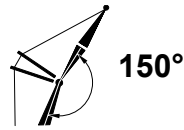
	 ft	 °	 ft	 lb
24	82.6	136.8	252,700	
26	81.7	136.5	228,800	
28	80.8	136.2	199,100	
30	79.9	135.8	175,400	
32	79.0	135.4	156,100	
34	78.1	134.9	139,900	
36	77.2	134.5	126,200	
38	76.3	133.9	114,500	
40	75.4	133.4	104,300	
42	74.5	132.8	95,500	
44	73.5	132.2	87,600	
46	72.6	131.6	80,600	
48	71.7	130.9	74,400	
50	70.7	130.2	68,800	
55	68.4	128.2	56,900	
60	66.0	126.0	47,400	
64	64.0	124.0	41,100	

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



**140.0 ft**

	ft	o	ft	lb
25	82.7	146.8	242,400	
26	82.3	146.6	229,200	
28	81.5	146.3	199,500	
30	80.6	146.0	175,800	
32	79.8	145.6	156,400	
34	79.0	145.2	140,200	
36	78.1	144.7	126,500	
38	77.3	144.3	114,800	
40	76.5	143.8	104,600	
42	75.6	143.2	95,700	
44	74.8	142.7	87,800	
46	73.9	142.1	80,800	
48	73.0	141.4	74,600	
50	72.2	140.8	69,000	
55	70.0	139.0	57,100	
60	67.8	137.0	47,600	
65	65.6	134.7	39,800	
68	64.2	133.2	35,800	

**150.0 ft**

	ft	o	ft	lb
26	82.8	156.7	214,700	
28	82.0	156.4	199,800	
30	81.3	156.1	176,000	
32	80.5	155.8	156,500	
34	79.7	155.4	140,300	
36	78.9	155.0	126,500	
38	78.2	154.5	114,800	
40	77.4	154.1	104,500	
42	76.6	153.6	95,600	
44	75.8	153.0	87,700	
46	75.0	152.5	80,700	
48	74.2	151.9	74,500	
50	73.4	151.3	68,800	
55	71.4	149.6	56,900	
60	69.4	147.8	47,400	
65	67.3	145.7	39,600	
70	65.2	143.4	33,100	
72	64.3	142.4	30,800	

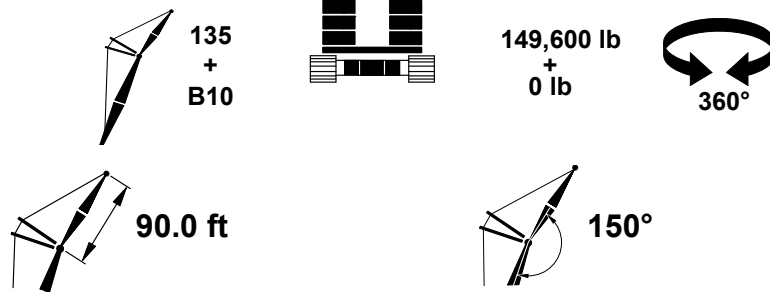
**160.0 ft**

	ft	o	ft	lb
27	82.9	166.7	202,900	
28	82.5	166.5	200,000	
30	81.8	166.2	176,200	
32	81.1	165.9	156,600	
34	80.4	165.6	140,400	
36	79.6	165.2	126,600	
38	78.9	164.8	114,800	
40	78.2	164.3	104,600	
42	77.4	163.9	95,700	
44	76.7	163.4	87,800	
46	76.0	162.9	80,700	
48	75.2	162.3	74,500	
50	74.5	161.7	68,800	
55	72.6	160.2	56,900	
60	70.7	158.5	47,300	
65	68.8	156.5	39,500	
70	66.8	154.4	33,000	
75	64.9	152.1	27,400	
77	64.1	151.1	25,100	



# MLC250 S-1

ASME B30.5



**80.0 ft**

	ft	°	ft	lb
17	83.0	87.3	360,600	
18	82.3	87.2	356,100	
19	81.5	87.0	351,700	
20	80.8	86.8	336,100	
22	79.4	86.4	304,800	
24	77.9	85.9	257,900	
26	76.4	85.4	220,800	
28	74.9	84.8	191,900	
30	73.4	84.2	168,800	
32	71.9	83.5	149,800	
34	70.4	82.8	134,100	
36	68.8	82.0	120,700	
38	67.3	81.1	109,300	
40	65.7	80.2	99,400	
42	64.1	79.2	90,700	

**90.0 ft**

	ft	°	ft	lb
19	82.5	97.1	322,200	
20	81.8	97.0	318,400	
22	80.6	96.6	304,600	
24	79.3	96.2	259,300	
26	77.9	95.7	222,000	
28	76.6	95.2	193,000	
30	75.3	94.7	169,800	
32	74.0	94.1	150,800	
34	72.6	93.4	134,900	
36	71.3	92.7	121,500	
38	69.9	91.9	110,000	
40	68.6	91.1	100,100	
42	67.2	90.3	91,400	
44	65.8	89.3	83,700	
46	64.3	88.3	76,900	

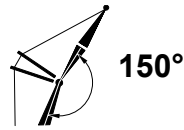
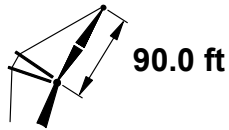
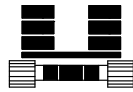
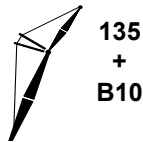
**100.0 ft**

	ft	°	ft	lb
20	82.7	107.1	308,600	
22	81.5	106.8	301,700	
24	80.3	106.4	260,500	
26	79.2	106.0	223,100	
28	78.0	105.5	194,000	
30	76.8	105.0	170,800	
32	75.6	104.5	151,700	
34	74.4	103.9	135,900	
36	73.2	103.3	122,400	
38	72.0	102.6	110,900	
40	70.8	101.9	101,000	
42	69.6	101.1	92,200	
44	68.3	100.3	84,500	
46	67.1	99.4	77,700	
48	65.8	98.5	71,600	
50	64.6	97.5	66,100	

REFER TO SPECIFICATIONS

# MLC250 S-1

ASME B30.5



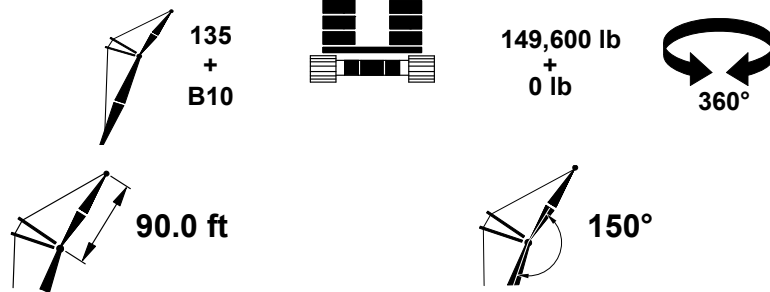
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	283,900
22	82.3	116.9	280,700
24	81.2	116.6	261,400
26	80.2	116.2	223,900
28	79.1	115.8	194,700
30	78.0	115.3	171,300
32	77.0	114.8	152,200
34	75.9	114.3	136,300
36	74.8	113.8	122,800
38	73.7	113.1	111,300
40	72.6	112.5	101,300
42	71.5	111.8	92,500
44	70.4	111.1	84,800
46	69.3	110.3	77,900
48	68.2	109.5	71,800
50	67.0	108.6	66,200
55	64.1	106.2	54,500

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	273,000
24	82.0	126.7	262,200
26	81.0	126.4	224,600
28	80.0	126.0	195,300
30	79.1	125.6	171,900
32	78.1	125.1	152,800
34	77.1	124.7	136,800
36	76.1	124.1	123,300
38	75.1	123.6	111,800
40	74.1	123.0	101,700
42	73.1	122.4	93,000
44	72.1	121.7	85,200
46	71.1	121.0	78,300
48	70.1	120.2	72,200
50	69.1	119.5	66,600
55	66.5	117.3	54,900
59	64.3	115.4	47,300

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	250,900
26	81.7	136.5	225,100
28	80.8	136.2	195,800
30	79.9	135.8	172,400
32	79.0	135.4	153,200
34	78.1	134.9	137,200
36	77.2	134.5	123,700
38	76.3	133.9	112,100
40	75.4	133.4	102,000
42	74.5	132.8	93,200
44	73.5	132.2	85,400
46	72.6	131.6	78,500
48	71.7	130.9	72,400
50	70.7	130.2	66,800
55	68.4	128.2	55,100
60	66.0	126.0	45,700
64	64.0	124.0	39,400

# MLC250 S-1

ASME B30.5



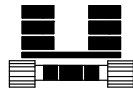
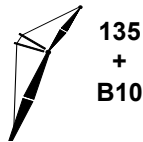
140.0 ft			
ft	°	ft	lb
25	82.7	146.8	240,600
26	82.3	146.6	225,600
28	81.5	146.3	196,200
30	80.6	146.0	172,700
32	79.8	145.6	153,500
34	79.0	145.2	137,500
36	78.1	144.7	124,000
38	77.3	144.3	112,300
40	76.5	143.8	102,300
42	75.6	143.2	93,500
44	74.8	142.7	85,700
46	73.9	142.1	78,800
48	73.0	141.4	72,600
50	72.2	140.8	67,000
55	70.0	139.0	55,300
60	67.8	137.0	45,900
65	65.6	134.7	38,200
68	64.2	133.2	34,200

150.0 ft			
ft	°	ft	lb
26	82.8	156.7	213,000
28	82.0	156.4	196,600
30	81.3	156.1	173,000
32	80.5	155.8	153,700
34	79.7	155.4	137,600
36	78.9	155.0	124,000
38	78.2	154.5	112,400
40	77.4	154.1	102,300
42	76.6	153.6	93,400
44	75.8	153.0	85,600
46	75.0	152.5	78,700
48	74.2	151.9	72,500
50	73.4	151.3	66,900
55	71.4	149.6	55,100
60	69.4	147.8	45,700
65	67.3	145.7	38,000
70	65.2	143.4	31,500
72	64.3	142.4	29,300

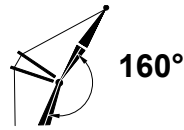
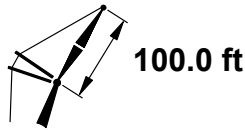
160.0 ft			
ft	°	ft	lb
27	82.9	166.7	201,200
28	82.5	166.5	196,800
30	81.8	166.2	173,200
32	81.1	165.9	153,900
34	80.4	165.6	137,800
36	79.6	165.2	124,200
38	78.9	164.8	112,500
40	78.2	164.3	102,400
42	77.4	163.9	93,500
44	76.7	163.4	85,700
46	76.0	162.9	78,700
48	75.2	162.3	72,500
50	74.5	161.7	66,900
55	72.6	160.2	55,100
60	70.7	158.5	45,700
65	68.8	156.5	37,900
70	66.8	154.4	31,500
75	64.9	152.1	25,500
77	64.1	151.1	23,300

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



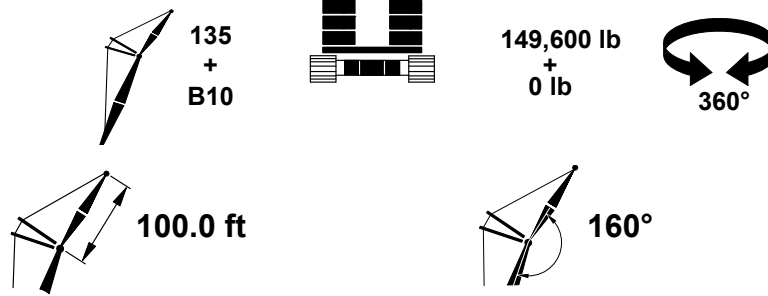
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	363,100
18	82.3	87.2	358,500
19	81.5	87.0	353,900
20	80.8	86.8	337,800
22	79.4	86.4	306,200
24	77.9	85.9	260,500
26	76.4	85.4	222,700
28	74.9	84.8	193,300
30	73.4	84.2	169,800
32	71.9	83.5	150,600
34	70.4	82.8	134,500
36	68.8	82.0	121,000
38	67.3	81.1	109,300
40	65.7	80.2	99,200
42	64.1	79.2	90,400
44	62.5	78.1	82,600
46	60.8	76.9	75,700
48	59.1	75.7	69,500
50	57.4	74.4	63,900

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	324,300
20	81.8	97.0	320,300
22	80.6	96.6	306,100
24	79.3	96.2	262,100
26	77.9	95.7	224,200
28	76.6	95.2	194,600
30	75.3	94.7	171,000
32	74.0	94.1	151,700
34	72.6	93.4	135,600
36	71.3	92.7	122,000
38	69.9	91.9	110,300
40	68.6	91.1	100,200
42	67.2	90.3	91,300
44	65.8	89.3	83,500
46	64.3	88.3	76,500
48	62.9	87.3	70,300
50	61.4	86.2	64,700
55	57.7	83.1	52,900

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	310,600
22	81.5	106.8	303,500
24	80.3	106.4	263,400
26	79.2	106.0	225,400
28	78.0	105.5	195,900
30	76.8	105.0	172,200
32	75.6	104.5	152,900
34	74.4	103.9	136,700
36	73.2	103.3	123,100
38	72.0	102.6	111,400
40	70.8	101.9	101,200
42	69.6	101.1	92,400
44	68.3	100.3	84,500
46	67.1	99.4	77,600
48	65.8	98.5	71,300
50	64.6	97.5	65,700
55	61.3	94.8	53,900
60	57.9	91.7	44,400
61	57.2	91.1	42,700

# MLC250 S-1

ASME B30.5



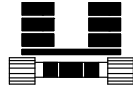
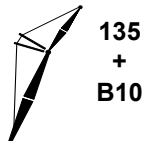
110.0 ft			
ft	°	ft	lb
21	82.8	117.0	285,600
22	82.3	116.9	282,400
24	81.2	116.6	264,500
26	80.2	116.2	226,400
28	79.1	115.8	196,700
30	78.0	115.3	172,900
32	77.0	114.8	153,500
34	75.9	114.3	137,300
36	74.8	113.8	123,600
38	73.7	113.1	111,900
40	72.6	112.5	101,700
42	71.5	111.8	92,800
44	70.4	111.1	84,900
46	69.3	110.3	77,900
48	68.2	109.5	71,700
50	67.0	108.6	66,000
55	64.1	106.2	54,200
60	61.2	103.5	44,600
65	58.1	100.4	36,800
66	57.5	99.8	35,400

120.0 ft			
ft	°	ft	lb
22	82.9	127.0	274,300
24	82.0	126.7	265,400
26	81.0	126.4	227,200
28	80.0	126.0	197,500
30	79.1	125.6	173,700
32	78.1	125.1	154,200
34	77.1	124.7	138,000
36	76.1	124.1	124,200
38	75.1	123.6	112,500
40	74.1	123.0	102,300
42	73.1	122.4	93,300
44	72.1	121.7	85,500
46	71.1	121.0	78,500
48	70.1	120.2	72,200
50	69.1	119.5	66,600
55	66.5	117.3	54,600
60	63.8	114.9	45,100
65	61.1	112.1	37,300
70	58.3	109.1	30,800
72	57.1	107.8	28,500

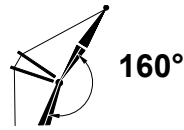
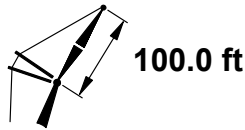
130.0 ft			
ft	°	ft	lb
24	82.6	136.8	251,800
26	81.7	136.5	227,900
28	80.8	136.2	198,100
30	79.9	135.8	174,200
32	79.0	135.4	154,700
34	78.1	134.9	138,400
36	77.2	134.5	124,700
38	76.3	133.9	112,900
40	75.4	133.4	102,600
42	74.5	132.8	93,700
44	73.5	132.2	85,800
46	72.6	131.6	78,800
48	71.7	130.9	72,500
50	70.7	130.2	66,900
55	68.4	128.2	54,900
60	66.0	126.0	45,400
65	63.5	123.5	37,500
70	61.0	120.8	31,000
75	58.4	117.8	25,400
77	57.4	116.5	23,200

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



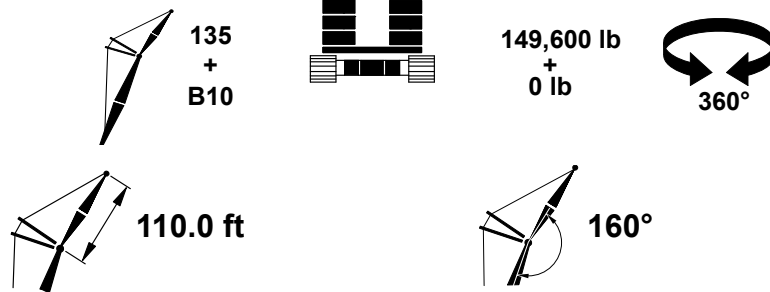
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	241,500
26	82.3	146.6	228,400
28	81.5	146.3	198,600
30	80.6	146.0	174,700
32	79.8	145.6	155,100
34	79.0	145.2	138,800
36	78.1	144.7	125,100
38	77.3	144.3	113,300
40	76.5	143.8	103,000
42	75.6	143.2	94,100
44	74.8	142.7	86,100
46	73.9	142.1	79,100
48	73.0	141.4	72,800
50	72.2	140.8	67,200
55	70.0	139.0	55,200
60	67.8	137.0	45,600
65	65.6	134.7	37,800
70	63.3	132.2	31,300
75	60.9	129.5	25,500
80	58.5	126.4	20,100
83	57.1	124.5	17,200

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	213,800
28	82.0	156.4	199,000
30	81.3	156.1	175,000
32	80.5	155.8	155,400
34	79.7	155.4	139,000
36	78.9	155.0	125,200
38	78.2	154.5	113,400
40	77.4	154.1	103,100
42	76.6	153.6	94,100
44	75.8	153.0	86,200
46	75.0	152.5	79,100
48	74.2	151.9	72,800
50	73.4	151.3	67,100
55	71.4	149.6	55,100
60	69.4	147.8	45,500
65	67.3	145.7	37,700
70	65.2	143.4	31,100
75	63.0	140.9	25,000
80	60.9	138.1	19,600
85	58.6	135.1	14,900
88	57.3	133.2	12,300

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	201,900
28	82.5	166.5	199,100
30	81.8	166.2	175,300
32	81.1	165.9	155,600
34	80.4	165.6	139,300
36	79.6	165.2	125,400
38	78.9	164.8	113,500
40	78.2	164.3	103,200
42	77.4	163.9	94,200
44	76.7	163.4	86,300
46	76.0	162.9	79,200
48	75.2	162.3	72,900
50	74.5	161.7	67,200
55	72.6	160.2	55,200
60	70.7	158.5	45,600
65	68.8	156.5	37,700
70	66.8	154.4	31,100
75	64.9	152.1	24,800
80	62.9	149.5	19,400
85	60.8	146.8	14,700
90	58.7	143.8	10,600
94	57.0	141.2	7,600

# MLC250 S-1

ASME B30.5



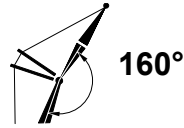
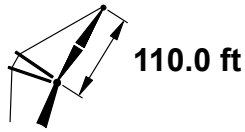
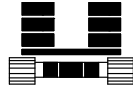
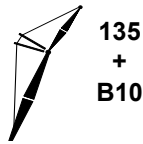
80.0 ft			
ft	°	ft	lb
17	83.0	87.3	360,300
18	82.3	87.2	355,600
19	81.5	87.0	351,000
20	80.8	86.8	335,900
22	79.4	86.4	304,400
24	77.9	85.9	257,300
26	76.4	85.4	219,800
28	74.9	84.8	190,600
30	73.4	84.2	167,300
32	71.9	83.5	148,200
34	70.4	82.8	132,300
36	68.8	82.0	118,800
38	67.3	81.1	107,300
40	65.7	80.2	97,300
42	64.1	79.2	88,500
44	62.5	78.1	80,800
46	60.8	76.9	73,900
48	59.1	75.7	67,800
50	57.4	74.4	62,300

90.0 ft			
ft	°	ft	lb
19	82.5	97.1	321,700
20	81.8	97.0	317,700
22	80.6	96.6	304,300
24	79.3	96.2	259,000
26	77.9	95.7	221,400
28	76.6	95.2	192,100
30	75.3	94.7	168,600
32	74.0	94.1	149,500
34	72.6	93.4	133,500
36	71.3	92.7	120,000
38	69.9	91.9	108,400
40	68.6	91.1	98,300
42	67.2	90.3	89,500
44	65.8	89.3	81,800
46	64.3	88.3	74,900
48	62.9	87.3	68,700
50	61.4	86.2	63,100
55	57.7	83.1	51,400

100.0 ft			
ft	°	ft	lb
20	82.7	107.1	308,000
22	81.5	106.8	300,900
24	80.3	106.4	260,400
26	79.2	106.0	222,700
28	78.0	105.5	193,400
30	76.8	105.0	169,900
32	75.6	104.5	150,700
34	74.4	103.9	134,700
36	73.2	103.3	121,100
38	72.0	102.6	109,500
40	70.8	101.9	99,500
42	69.6	101.1	90,700
44	68.3	100.3	82,900
46	67.1	99.4	76,000
48	65.8	98.5	69,800
50	64.6	97.5	64,200
55	61.3	94.8	52,500
60	57.9	91.7	43,100
61	57.2	91.1	41,400

# MLC250 S-1

ASME B30.5



110.0 ft			
ft	o	ft	lb
21	82.8	117.0	283,300
22	82.3	116.9	280,100
24	81.2	116.6	261,600
26	80.2	116.2	223,700
28	79.1	115.8	194,300
30	78.0	115.3	170,700
32	77.0	114.8	151,400
34	75.9	114.3	135,300
36	74.8	113.8	121,700
38	73.7	113.1	110,100
40	72.6	112.5	100,000
42	71.5	111.8	91,100
44	70.4	111.1	83,300
46	69.3	110.3	76,400
48	68.2	109.5	70,200
50	67.0	108.6	64,600
55	64.1	106.2	52,800
60	61.2	103.5	43,400
65	58.1	100.4	35,600
66	57.5	99.8	34,300

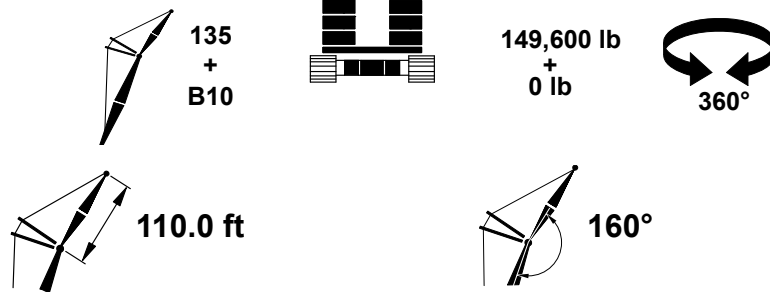
120.0 ft			
ft	o	ft	lb
22	82.9	127.0	272,300
24	82.0	126.7	262,600
26	81.0	126.4	224,600
28	80.0	126.0	195,100
30	79.1	125.6	171,500
32	78.1	125.1	152,200
34	77.1	124.7	136,100
36	76.1	124.1	122,400
38	75.1	123.6	110,700
40	74.1	123.0	100,600
42	73.1	122.4	91,800
44	72.1	121.7	83,900
46	71.1	121.0	77,000
48	70.1	120.2	70,800
50	69.1	119.5	65,200
55	66.5	117.3	53,400
60	63.8	114.9	43,900
65	61.1	112.1	36,100
70	58.3	109.1	29,700
72	57.1	107.8	27,400

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	250,200
26	81.7	136.5	225,300
28	80.8	136.2	195,700
30	79.9	135.8	172,100
32	79.0	135.4	152,700
34	78.1	134.9	136,600
36	77.2	134.5	122,900
38	76.3	133.9	111,200
40	75.4	133.4	101,000
42	74.5	132.8	92,200
44	73.5	132.2	84,300
46	72.6	131.6	77,400
48	71.7	130.9	71,100
50	70.7	130.2	65,500
55	68.4	128.2	53,700
60	66.0	126.0	44,200
65	63.5	123.5	36,400
70	61.0	120.8	29,900
75	58.4	117.8	24,100
77	57.4	116.5	21,800



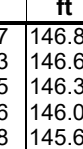



# MLC250 S-1


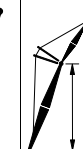
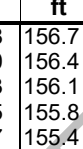

ASME B30.5




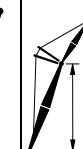
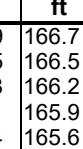

**140.0 ft**

				
	ft	°	ft	lb
25	82.7	146.8	239,800	
26	82.3	146.6	225,900	
28	81.5	146.3	196,300	
30	80.6	146.0	172,600	
32	79.8	145.6	153,200	
34	79.0	145.2	137,000	
36	78.1	144.7	123,300	
38	77.3	144.3	111,600	
40	76.5	143.8	101,400	
42	75.6	143.2	92,600	
44	74.8	142.7	84,700	
46	73.9	142.1	77,700	
48	73.0	141.4	71,500	
50	72.2	140.8	65,900	
55	70.0	139.0	54,000	
60	67.8	137.0	44,500	
65	65.6	134.7	36,700	
70	63.3	132.2	30,300	
75	60.9	129.5	24,300	
80	58.5	126.4	18,900	
83	57.1	124.5	16,000	

**150.0 ft**

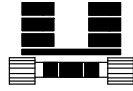
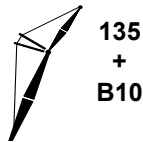
				
	ft	°	ft	lb
26	82.8	156.7	212,300	
28	82.0	156.4	196,700	
30	81.3	156.1	172,900	
32	80.5	155.8	153,500	
34	79.7	155.4	137,200	
36	78.9	155.0	123,500	
38	78.2	154.5	111,800	
40	77.4	154.1	101,600	
42	76.6	153.6	92,600	
44	75.8	153.0	84,800	
46	75.0	152.5	77,800	
48	74.2	151.9	71,500	
50	73.4	151.3	65,900	
55	71.4	149.6	54,000	
60	69.4	147.8	44,400	
65	67.3	145.7	36,600	
70	65.2	143.4	30,000	
75	63.0	140.9	23,800	
80	60.9	138.1	18,400	
85	58.6	135.1	13,700	
88	57.3	133.2	11,200	

**160.0 ft**

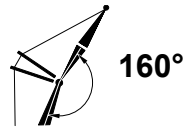
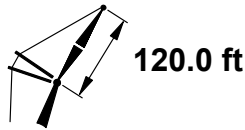
				
	ft	°	ft	lb
27	82.9	166.7	200,500	
28	82.5	166.5	196,800	
30	81.8	166.2	173,200	
32	81.1	165.9	153,700	
34	80.4	165.6	137,500	
36	79.6	165.2	123,700	
38	78.9	164.8	112,000	
40	78.2	164.3	101,700	
42	77.4	163.9	92,800	
44	76.7	163.4	84,900	
46	76.0	162.9	77,900	
48	75.2	162.3	71,600	
50	74.5	161.7	66,000	
55	72.6	160.2	54,000	
60	70.7	158.5	44,500	
65	68.8	156.5	36,700	
70	66.8	154.4	29,800	
75	64.9	152.1	23,600	
80	62.9	149.5	18,300	
85	60.8	146.8	13,600	
90	58.7	143.8	9,500	
94	57.0	141.2	6,500	

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



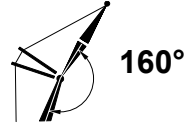
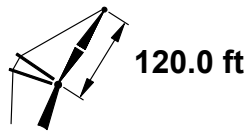
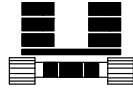
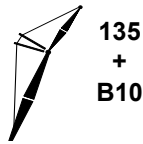
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	356,300
18	82.3	87.2	351,600
19	81.5	87.0	347,000
20	80.8	86.8	333,000
22	79.4	86.4	301,500
24	77.9	85.9	252,700
26	76.4	85.4	215,600
28	74.9	84.8	186,700
30	73.4	84.2	163,600
32	71.9	83.5	144,600
34	70.4	82.8	128,900
36	68.8	82.0	115,500
38	67.3	81.1	104,100
40	65.7	80.2	94,200
42	64.1	79.2	85,500
44	62.5	78.1	77,900
46	60.8	76.9	71,100
48	59.1	75.7	65,000
50	57.4	74.4	59,500

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	318,000
20	81.8	97.0	314,000
22	80.6	96.6	301,600
24	79.3	96.2	254,600
26	77.9	95.7	217,300
28	76.6	95.2	188,300
30	75.3	94.7	165,000
32	74.0	94.1	146,000
34	72.6	93.4	130,200
36	71.3	92.7	116,800
38	69.9	91.9	105,300
40	68.6	91.1	95,400
42	67.2	90.3	86,600
44	65.8	89.3	79,000
46	64.3	88.3	72,100
48	62.9	87.3	66,000
50	61.4	86.2	60,500
55	57.7	83.1	48,900

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	304,500
22	81.5	106.8	297,400
24	80.3	106.4	256,200
26	79.2	106.0	218,800
28	78.0	105.5	189,700
30	76.8	105.0	166,400
32	75.6	104.5	147,400
34	74.4	103.9	131,500
36	73.2	103.3	118,100
38	72.0	102.6	106,600
40	70.8	101.9	96,600
42	69.6	101.1	87,900
44	68.3	100.3	80,200
46	67.1	99.4	73,300
48	65.8	98.5	67,200
50	64.6	97.5	61,700
55	61.3	94.8	50,000
60	57.9	91.7	40,700
61	57.2	91.1	39,100

# MLC250 S-1

ASME B30.5



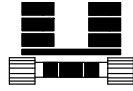
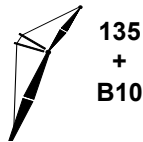
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	280,100
22	82.3	116.9	276,900
24	81.2	116.6	257,400
26	80.2	116.2	219,900
28	79.1	115.8	190,700
30	78.0	115.3	167,300
32	77.0	114.8	148,200
34	75.9	114.3	132,300
36	74.8	113.8	118,800
38	73.7	113.1	107,200
40	72.6	112.5	97,200
42	71.5	111.8	88,500
44	70.4	111.1	80,700
46	69.3	110.3	73,800
48	68.2	109.5	67,700
50	67.0	108.6	62,200
55	64.1	106.2	50,500
60	61.2	103.5	41,100
65	58.1	100.4	33,500
66	57.5	99.8	32,100

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	269,300
24	82.0	126.7	258,500
26	81.0	126.4	220,900
28	80.0	126.0	191,600
30	79.1	125.6	168,200
32	78.1	125.1	149,000
34	77.1	124.7	133,100
36	76.1	124.1	119,500
38	75.1	123.6	108,000
40	74.1	123.0	97,900
42	73.1	122.4	89,100
44	72.1	121.7	81,400
46	71.1	121.0	74,500
48	70.1	120.2	68,300
50	69.1	119.5	62,800
55	66.5	117.3	51,100
60	63.8	114.9	41,700
65	61.1	112.1	34,000
70	58.3	109.1	27,600
72	57.1	107.8	25,000

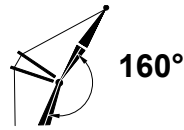
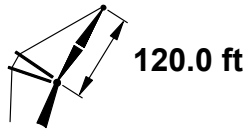
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	248,000
26	81.7	136.5	221,700
28	80.8	136.2	192,300
30	79.9	135.8	168,800
32	79.0	135.4	149,600
34	78.1	134.9	133,600
36	77.2	134.5	120,100
38	76.3	133.9	108,500
40	75.4	133.4	98,400
42	74.5	132.8	89,600
44	73.5	132.2	81,800
46	72.6	131.6	74,900
48	71.7	130.9	68,800
50	70.7	130.2	63,200
55	68.4	128.2	51,400
60	66.0	126.0	42,100
65	63.5	123.5	34,400
70	61.0	120.8	27,700
75	58.4	117.8	21,500
77	57.4	116.5	19,300

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



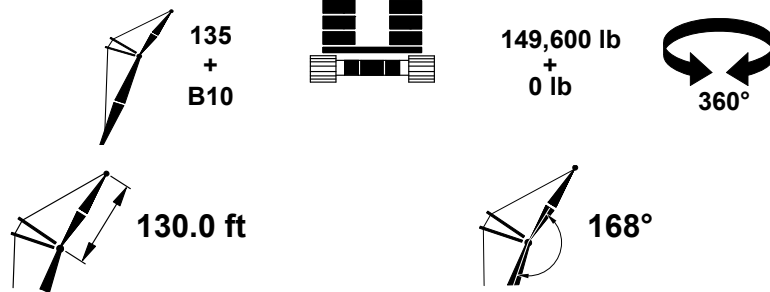
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	237,500
26	82.3	146.6	222,000
28	81.5	146.3	192,900
30	80.6	146.0	169,400
32	79.8	145.6	150,200
34	79.0	145.2	134,100
36	78.1	144.7	120,600
38	77.3	144.3	109,000
40	76.5	143.8	98,900
42	75.6	143.2	90,100
44	74.8	142.7	82,300
46	73.9	142.1	75,400
48	73.0	141.4	69,200
50	72.2	140.8	63,600
55	70.0	139.0	51,800
60	67.8	137.0	42,400
65	65.6	134.7	34,700
70	63.3	132.2	27,900
75	60.9	129.5	21,800
80	58.5	126.4	16,500
83	57.1	124.5	13,600

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	210,100
28	82.0	156.4	193,400
30	81.3	156.1	169,800
32	80.5	155.8	150,500
34	79.7	155.4	134,400
36	78.9	155.0	120,800
38	78.2	154.5	109,100
40	77.4	154.1	99,000
42	76.6	153.6	90,200
44	75.8	153.0	82,400
46	75.0	152.5	75,400
48	74.2	151.9	69,200
50	73.4	151.3	63,600
55	71.4	149.6	51,800
60	69.4	147.8	42,400
65	67.3	145.7	34,700
70	65.2	143.4	27,500
75	63.0	140.9	21,400
80	60.9	138.1	16,000
85	58.6	135.1	11,400
88	57.3	133.2	8,900

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	198,200
28	82.5	166.5	192,800
30	81.8	166.2	170,200
32	81.1	165.9	150,800
34	80.4	165.6	134,700
36	79.6	165.2	121,100
38	78.9	164.8	109,400
40	78.2	164.3	99,300
42	77.4	163.9	90,400
44	76.7	163.4	82,600
46	76.0	162.9	75,600
48	75.2	162.3	69,400
50	74.5	161.7	63,800
55	72.6	160.2	52,000
60	70.7	158.5	42,500
65	68.8	156.5	34,500
70	66.8	154.4	27,300
75	64.9	152.1	21,200
80	62.9	149.5	15,900
85	60.8	146.8	11,300
90	58.7	143.8	7,200
94	57.0	141.2	4,300

# MLC250 S-1

ASME B30.5



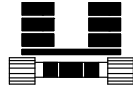
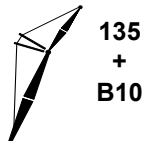
80.0 ft			
ft	°	ft	lb
17	83.0	87.3	361,600
18	82.3	87.2	356,700
19	81.5	87.0	351,900
20	80.8	86.8	336,300
22	79.4	86.4	304,400
24	77.9	85.9	257,700
26	76.4	85.4	219,700
28	74.9	84.8	190,100
30	73.4	84.2	166,400
32	71.9	83.5	147,000
34	70.4	82.8	130,800
36	68.8	82.0	117,200
38	67.3	81.1	105,400
40	65.7	80.2	95,300
42	64.1	79.2	86,400
44	62.5	78.1	78,500
46	60.8	76.9	71,500
48	59.1	75.7	65,300
50	57.4	74.4	59,600
55	53.0	70.7	47,700
57	51.1	69.0	43,700

90.0 ft			
ft	°	ft	lb
19	82.5	97.1	322,600
20	81.8	97.0	318,400
22	80.6	96.6	304,600
24	79.3	96.2	259,800
26	77.9	95.7	221,600
28	76.6	95.2	191,900
30	75.3	94.7	168,100
32	74.0	94.1	148,600
34	72.6	93.4	132,400
36	71.3	92.7	118,700
38	69.9	91.9	106,900
40	68.6	91.1	96,700
42	67.2	90.3	87,800
44	65.8	89.3	79,900
46	64.3	88.3	72,900
48	62.9	87.3	66,600
50	61.4	86.2	60,900
55	57.7	83.1	49,000
60	53.8	79.5	39,400
63	51.3	77.0	34,500

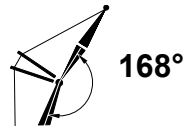
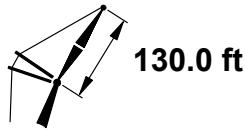
100.0 ft			
ft	°	ft	lb
20	82.7	107.1	308,900
22	81.5	106.8	301,500
24	80.3	106.4	261,600
26	79.2	106.0	223,300
28	78.0	105.5	193,500
30	76.8	105.0	169,700
32	75.6	104.5	150,200
34	74.4	103.9	133,900
36	73.2	103.3	120,200
38	72.0	102.6	108,400
40	70.8	101.9	98,100
42	69.6	101.1	89,200
44	68.3	100.3	81,300
46	67.1	99.4	74,300
48	65.8	98.5	68,000
50	64.6	97.5	62,300
55	61.3	94.8	50,400
60	57.9	91.7	40,800
65	54.4	88.2	33,000
69	51.5	85.1	27,600

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



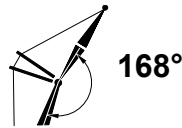
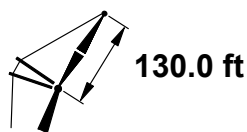
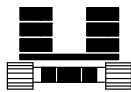
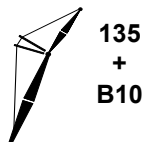
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	283,900
22	82.3	116.9	280,600
24	81.2	116.6	263,000
26	80.2	116.2	224,600
28	79.1	115.8	194,700
30	78.0	115.3	170,700
32	77.0	114.8	151,100
34	75.9	114.3	134,800
36	74.8	113.8	121,000
38	73.7	113.1	109,200
40	72.6	112.5	98,900
42	71.5	111.8	89,900
44	70.4	111.1	82,000
46	69.3	110.3	75,000
48	68.2	109.5	68,700
50	67.0	108.6	63,000
55	64.1	106.2	51,000
60	61.2	103.5	41,400
65	58.1	100.4	33,500
70	55.0	97.0	26,900
75	51.7	93.1	20,500

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	272,600
24	82.0	126.7	264,200
26	81.0	126.4	225,700
28	80.0	126.0	195,700
30	79.1	125.6	171,700
32	78.1	125.1	152,100
34	77.1	124.7	135,700
36	76.1	124.1	121,900
38	75.1	123.6	110,000
40	74.1	123.0	99,800
42	73.1	122.4	90,800
44	72.1	121.7	82,800
46	71.1	121.0	75,800
48	70.1	120.2	69,400
50	69.1	119.5	63,700
55	66.5	117.3	51,700
60	63.8	114.9	42,100
65	61.1	112.1	34,200
70	58.3	109.1	27,500
75	55.4	105.7	21,100
80	52.4	101.9	15,600
82	51.2	100.3	13,600

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	250,200
26	81.7	136.5	226,600
28	80.8	136.2	196,500
30	79.9	135.8	172,500
32	79.0	135.4	152,800
34	78.1	134.9	136,400
36	77.2	134.5	122,500
38	76.3	133.9	110,700
40	75.4	133.4	100,300
42	74.5	132.8	91,300
44	73.5	132.2	83,400
46	72.6	131.6	76,300
48	71.7	130.9	70,000
50	70.7	130.2	64,300
55	68.4	128.2	52,200
60	66.0	126.0	42,600
65	63.5	123.5	34,700
70	61.0	120.8	27,800
75	58.4	117.8	21,400
80	55.8	114.4	16,000
85	53.0	110.7	11,200
88	51.3	108.3	8,600

# MLC250 S-1

ASME B30.5



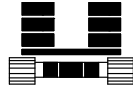
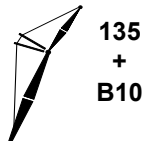
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	239,800
26	82.3	146.6	227,200
28	81.5	146.3	197,200
30	80.6	146.0	173,100
32	79.8	145.6	153,400
34	79.0	145.2	137,000
36	78.1	144.7	123,100
38	77.3	144.3	111,200
40	76.5	143.8	100,900
42	75.6	143.2	91,900
44	74.8	142.7	83,900
46	73.9	142.1	76,800
48	73.0	141.4	70,500
50	72.2	140.8	64,800
55	70.0	139.0	52,700
60	67.8	137.0	43,100
65	65.6	134.7	35,200
70	63.3	132.2	28,100
75	60.9	129.5	21,800
80	58.5	126.4	16,300
85	56.1	123.1	11,600
90	53.5	119.5	7,400
94	51.5	116.3	4,300

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	212,200
28	82.0	156.4	197,800
30	81.3	156.1	173,600
32	80.5	155.8	153,900
34	79.7	155.4	137,400
36	78.9	155.0	123,400
38	78.2	154.5	111,500
40	77.4	154.1	101,100
42	76.6	153.6	92,100
44	75.8	153.0	84,100
46	75.0	152.5	77,000
48	74.2	151.9	70,600
50	73.4	151.3	64,900
55	71.4	149.6	52,800
60	69.4	147.8	43,100
65	67.3	145.7	35,200
70	65.2	143.4	27,800
75	63.0	140.9	21,500
80	60.9	138.1	16,000
85	58.6	135.1	11,300
90	56.4	131.8	7,100

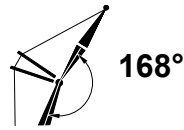
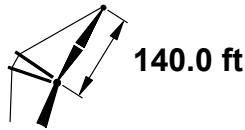
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	200,300
28	82.5	166.5	197,400
30	81.8	166.2	174,000
32	81.1	165.9	154,200
34	80.4	165.6	137,700
36	79.6	165.2	123,800
38	78.9	164.8	111,800
40	78.2	164.3	101,400
42	77.4	163.9	92,300
44	76.7	163.4	84,300
46	76.0	162.9	77,200
48	75.2	162.3	70,800
50	74.5	161.7	65,100
55	72.6	160.2	53,000
60	70.7	158.5	43,300
65	68.8	156.5	35,100
70	66.8	154.4	27,700
75	64.9	152.1	21,500
80	62.9	149.5	16,000
85	60.8	146.8	11,300
90	58.7	143.8	7,100

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



80.0 ft			
ft	o	ft	lb
17	83.0	87.3	358,300
18	82.3	87.2	353,300
19	81.5	87.0	348,500
20	80.8	86.8	333,800
22	79.4	86.4	301,900
24	77.9	85.9	253,800
26	76.4	85.4	216,000
28	74.9	84.8	186,600
30	73.4	84.2	163,000
32	71.9	83.5	143,700
34	70.4	82.8	127,700
36	68.8	82.0	114,100
38	67.3	81.1	102,400
40	65.7	80.2	92,300
42	64.1	79.2	83,500
44	62.5	78.1	75,700
46	60.8	76.9	68,700
48	59.1	75.7	62,500
50	57.4	74.4	56,900
55	53.0	70.7	45,100
57	51.1	69.0	41,100

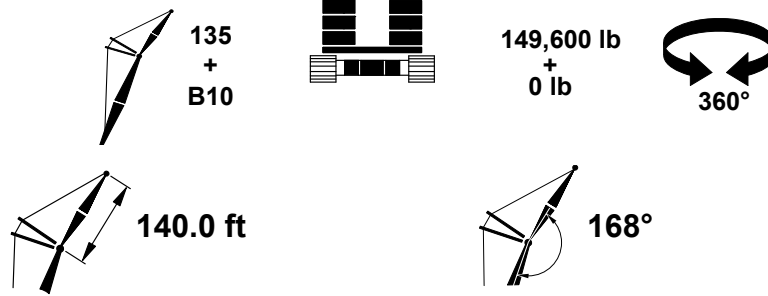
90.0 ft			
ft	o	ft	lb
19	82.5	97.1	319,500
20	81.8	97.0	315,300
22	80.6	96.6	302,200
24	79.3	96.2	256,100
26	77.9	95.7	218,100
28	76.6	95.2	188,600
30	75.3	94.7	164,900
32	74.0	94.1	145,600
34	72.6	93.4	129,400
36	71.3	92.7	115,800
38	69.9	91.9	104,100
40	68.6	91.1	93,900
42	67.2	90.3	85,100
44	65.8	89.3	77,200
46	64.3	88.3	70,200
48	62.9	87.3	64,000
50	61.4	86.2	58,400
55	57.7	83.1	46,500
60	53.8	79.5	37,000
63	51.3	77.0	32,200

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	305,800
22	81.5	106.8	298,400
24	80.3	106.4	258,000
26	79.2	106.0	219,900
28	78.0	105.5	190,300
30	76.8	105.0	166,600
32	75.6	104.5	147,200
34	74.4	103.9	131,100
36	73.2	103.3	117,400
38	72.0	102.6	105,700
40	70.8	101.9	95,500
42	69.6	101.1	86,600
44	68.3	100.3	78,800
46	67.1	99.4	71,800
48	65.8	98.5	65,500
50	64.6	97.5	59,900
55	61.3	94.8	48,000
60	57.9	91.7	38,500
65	54.4	88.2	30,700
69	51.5	85.1	25,000



# MLC250 S-1

ASME B30.5



**110.0 ft**

21	82.8	117.0	281,300	
22	82.3	116.9	277,900	
24	81.2	116.6	259,600	
26	80.2	116.2	221,300	
28	79.1	115.8	191,600	
30	78.0	115.3	167,800	
32	77.0	114.8	148,300	
34	75.9	114.3	132,100	
36	74.8	113.8	118,400	
38	73.7	113.1	106,600	
40	72.6	112.5	96,400	
42	71.5	111.8	87,500	
44	70.4	111.1	79,600	
46	69.3	110.3	72,600	
48	68.2	109.5	66,300	
50	67.0	108.6	60,700	
55	64.1	106.2	48,700	
60	61.2	103.5	39,200	
65	58.1	100.4	31,400	
70	55.0	97.0	24,100	
75	51.7	93.1	17,800	

**120.0 ft**

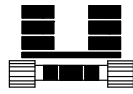
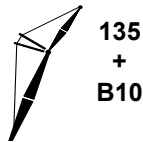
22	82.9	127.0	270,100	
24	82.0	126.7	260,300	
26	81.0	126.4	222,500	
28	80.0	126.0	192,700	
30	79.1	125.6	168,900	
32	78.1	125.1	149,400	
34	77.1	124.7	133,100	
36	76.1	124.1	119,300	
38	75.1	123.6	107,600	
40	74.1	123.0	97,300	
42	73.1	122.4	88,400	
44	72.1	121.7	80,500	
46	71.1	121.0	73,500	
48	70.1	120.2	67,200	
50	69.1	119.5	61,500	
55	66.5	117.3	49,600	
60	63.8	114.9	40,000	
65	61.1	112.1	32,200	
70	58.3	109.1	24,900	
75	55.4	105.7	18,500	
80	52.4	101.9	13,100	
82	51.2	100.3	11,100	

**130.0 ft**

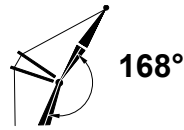
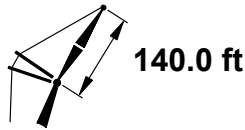
24	82.6	136.8	248,300	
26	81.7	136.5	223,500	
28	80.8	136.2	193,600	
30	79.9	135.8	169,700	
32	79.0	135.4	150,200	
34	78.1	134.9	133,900	
36	77.2	134.5	120,100	
38	76.3	133.9	108,200	
40	75.4	133.4	98,000	
42	74.5	132.8	89,000	
44	73.5	132.2	81,100	
46	72.6	131.6	74,100	
48	71.7	130.9	67,800	
50	70.7	130.2	62,100	
55	68.4	128.2	50,100	
60	66.0	126.0	40,600	
65	63.5	123.5	32,700	
70	61.0	120.8	25,300	
75	58.4	117.8	18,900	
80	55.8	114.4	13,500	
85	53.0	110.7	8,700	
88	51.3	108.3	6,200	

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



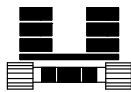
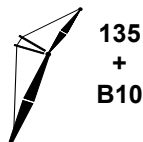
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	237,800
26	82.3	146.6	223,500
28	81.5	146.3	194,400
30	80.6	146.0	170,500
32	79.8	145.6	150,900
34	79.0	145.2	134,500
36	78.1	144.7	120,700
38	77.3	144.3	108,900
40	76.5	143.8	98,600
42	75.6	143.2	89,600
44	74.8	142.7	81,700
46	73.9	142.1	74,700
48	73.0	141.4	68,400
50	72.2	140.8	62,700
55	70.0	139.0	50,700
60	67.8	137.0	41,100
65	65.6	134.7	33,000
70	63.3	132.2	25,700
75	60.9	129.5	19,400
80	58.5	126.4	13,900
85	56.1	123.1	9,200
90	53.5	119.5	5,000

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	210,300
28	82.0	156.4	195,000
30	81.3	156.1	171,000
32	80.5	155.8	151,400
34	79.7	155.4	135,000
36	78.9	155.0	121,100
38	78.2	154.5	109,200
40	77.4	154.1	98,900
42	76.6	153.6	89,900
44	75.8	153.0	81,900
46	75.0	152.5	74,900
48	74.2	151.9	68,500
50	73.4	151.3	62,800
55	71.4	149.6	50,800
60	69.4	147.8	41,200
65	67.3	145.7	32,800
70	65.2	143.4	25,400
75	63.0	140.9	19,100
80	60.9	138.1	13,700
85	58.6	135.1	9,000
90	56.4	131.8	4,800

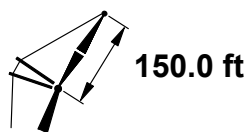
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	198,400
28	82.5	166.5	194,000
30	81.8	166.2	171,500
32	81.1	165.9	151,800
34	80.4	165.6	135,400
36	79.6	165.2	121,500
38	78.9	164.8	109,600
40	78.2	164.3	99,300
42	77.4	163.9	90,200
44	76.7	163.4	82,300
46	76.0	162.9	75,200
48	75.2	162.3	68,800
50	74.5	161.7	63,100
55	72.6	160.2	51,100
60	70.7	158.5	41,400
65	68.8	156.5	32,700
70	66.8	154.4	25,400
75	64.9	152.1	19,200
80	62.9	149.5	13,700
85	60.8	146.8	9,000
90	58.7	143.8	4,900

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



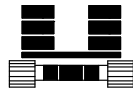
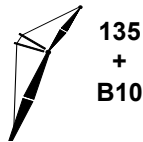
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	355,600
18	82.3	87.2	350,700
19	81.5	87.0	345,900
20	80.8	86.8	332,100
22	79.4	86.4	300,200
24	77.9	85.9	250,800
26	76.4	85.4	213,200
28	74.9	84.8	183,900
30	73.4	84.2	160,500
32	71.9	83.5	141,400
34	70.4	82.8	125,400
36	68.8	82.0	111,900
38	67.3	81.1	100,300
40	65.7	80.2	90,300
42	64.1	79.2	81,500
44	62.5	78.1	73,700
46	60.8	76.9	66,800
48	59.1	75.7	60,700
50	57.4	74.4	55,100
55	53.0	70.7	43,300
57	51.1	69.0	39,300

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	317,100
20	81.8	97.0	312,900
22	80.6	96.6	300,600
24	79.3	96.2	253,200
26	77.9	95.7	215,400
28	76.6	95.2	186,100
30	75.3	94.7	162,600
32	74.0	94.1	143,300
34	72.6	93.4	127,300
36	71.3	92.7	113,700
38	69.9	91.9	102,100
40	68.6	91.1	92,000
42	67.2	90.3	83,200
44	65.8	89.3	75,400
46	64.3	88.3	68,500
48	62.9	87.3	62,300
50	61.4	86.2	56,700
55	57.7	83.1	44,900
60	53.8	79.5	35,400
63	51.3	77.0	30,600

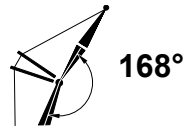
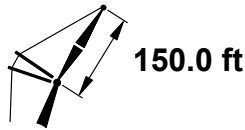
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	303,500
22	81.5	106.8	296,000
24	80.3	106.4	255,200
26	79.2	106.0	217,400
28	78.0	105.5	187,900
30	76.8	105.0	164,400
32	75.6	104.5	145,100
34	74.4	103.9	129,000
36	73.2	103.3	115,400
38	72.0	102.6	103,800
40	70.8	101.9	93,700
42	69.6	101.1	84,800
44	68.3	100.3	77,000
46	67.1	99.4	70,100
48	65.8	98.5	63,900
50	64.6	97.5	58,300
55	61.3	94.8	46,500
60	57.9	91.7	37,000
65	54.4	88.2	29,200
69	51.5	85.1	23,200

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



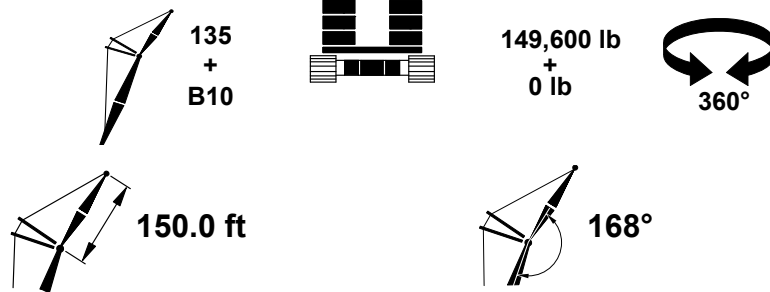
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	279,200
22	82.3	116.9	275,700
24	81.2	116.6	256,900
26	80.2	116.2	218,900
28	79.1	115.8	189,300
30	78.0	115.3	165,600
32	77.0	114.8	146,300
34	75.9	114.3	130,200
36	74.8	113.8	116,500
38	73.7	113.1	104,800
40	72.6	112.5	94,700
42	71.5	111.8	85,800
44	70.4	111.1	77,900
46	69.3	110.3	71,000
48	68.2	109.5	64,700
50	67.0	108.6	59,100
55	64.1	106.2	47,300
60	61.2	103.5	37,800
65	58.1	100.4	29,800
70	55.0	97.0	22,400
75	51.7	93.1	16,100

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	268,200
24	82.0	126.7	257,100
26	81.0	126.4	220,200
28	80.0	126.0	190,500
30	79.1	125.6	166,800
32	78.1	125.1	147,400
34	77.1	124.7	131,200
36	76.1	124.1	117,600
38	75.1	123.6	105,800
40	74.1	123.0	95,700
42	73.1	122.4	86,800
44	72.1	121.7	78,900
46	71.1	121.0	71,900
48	70.1	120.2	65,700
50	69.1	119.5	60,100
55	66.5	117.3	48,200
60	63.8	114.9	38,700
65	61.1	112.1	30,600
70	58.3	109.1	23,300
75	55.4	105.7	17,000
80	52.4	101.9	11,500
82	51.2	100.3	9,600

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	246,800
26	81.7	136.5	221,200
28	80.8	136.2	191,500
30	79.9	135.8	167,700
32	79.0	135.4	148,300
34	78.1	134.9	132,100
36	77.2	134.5	118,300
38	76.3	133.9	106,600
40	75.4	133.4	96,400
42	74.5	132.8	87,500
44	73.5	132.2	79,600
46	72.6	131.6	72,600
48	71.7	130.9	66,300
50	70.7	130.2	60,700
55	68.4	128.2	48,800
60	66.0	126.0	39,300
65	63.5	123.5	31,000
70	61.0	120.8	23,700
75	58.4	117.8	17,400
80	55.8	114.4	12,000
85	53.0	110.7	7,300
88	51.3	108.3	4,700

# MLC250 S-1

ASME B30.5



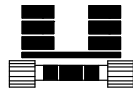
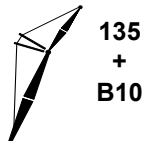
140.0 ft			
ft	°	ft	lb
25	82.7	146.8	236,300
26	82.3	146.6	220,700
28	81.5	146.3	192,300
30	80.6	146.0	168,500
32	79.8	145.6	149,000
34	79.0	145.2	132,800
36	78.1	144.7	119,000
38	77.3	144.3	107,300
40	76.5	143.8	97,100
42	75.6	143.2	88,100
44	74.8	142.7	80,200
46	73.9	142.1	73,200
48	73.0	141.4	67,000
50	72.2	140.8	61,300
55	70.0	139.0	49,400
60	67.8	137.0	39,900
65	65.6	134.7	31,500
70	63.3	132.2	24,200
75	60.9	129.5	17,900
80	58.5	126.4	12,500
85	56.1	123.1	7,800

150.0 ft			
ft	°	ft	lb
26	82.8	156.7	208,800
28	82.0	156.4	192,700
30	81.3	156.1	169,100
32	80.5	155.8	149,600
34	79.7	155.4	133,300
36	78.9	155.0	119,500
38	78.2	154.5	107,700
40	77.4	154.1	97,400
42	76.6	153.6	88,400
44	75.8	153.0	80,500
46	75.0	152.5	73,500
48	74.2	151.9	67,200
50	73.4	151.3	61,500
55	71.4	149.6	49,600
60	69.4	147.8	39,900
65	67.3	145.7	31,300
70	65.2	143.4	24,000
75	63.0	140.9	17,700
80	60.9	138.1	12,300
85	58.6	135.1	7,600

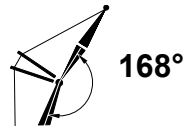
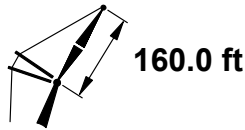
160.0 ft			
ft	°	ft	lb
27	82.9	166.7	197,000
28	82.5	166.5	191,500
30	81.8	166.2	169,600
32	81.1	165.9	150,000
34	80.4	165.6	133,700
36	79.6	165.2	119,900
38	78.9	164.8	108,100
40	78.2	164.3	97,800
42	77.4	163.9	88,800
44	76.7	163.4	80,900
46	76.0	162.9	73,800
48	75.2	162.3	67,500
50	74.5	161.7	61,900
55	72.6	160.2	49,900
60	70.7	158.5	39,900
65	68.8	156.5	31,300
70	66.8	154.4	24,000
75	64.9	152.1	17,800
80	62.9	149.5	12,400
85	60.8	146.8	7,700

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



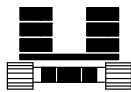
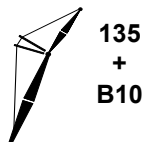
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	352,100
18	82.3	87.2	347,100
19	81.5	87.0	342,200
20	80.8	86.8	329,400
22	79.4	86.4	296,400
24	77.9	85.9	246,600
26	76.4	85.4	209,300
28	74.9	84.8	180,200
30	73.4	84.2	157,000
32	71.9	83.5	137,900
34	70.4	82.8	122,100
36	68.8	82.0	108,700
38	67.3	81.1	97,200
40	65.7	80.2	87,200
42	64.1	79.2	78,500
44	62.5	78.1	70,700
46	60.8	76.9	63,900
48	59.1	75.7	57,800
50	57.4	74.4	52,200
55	53.0	70.7	40,600
57	51.1	69.0	36,600

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	313,800
20	81.8	97.0	309,500
22	80.6	96.6	298,100
24	79.3	96.2	249,300
26	77.9	95.7	211,700
28	76.6	95.2	182,500
30	75.3	94.7	159,200
32	74.0	94.1	140,100
34	72.6	93.4	124,100
36	71.3	92.7	110,700
38	69.9	91.9	99,100
40	68.6	91.1	89,100
42	67.2	90.3	80,300
44	65.8	89.3	72,600
46	64.3	88.3	65,700
48	62.9	87.3	59,500
50	61.4	86.2	54,000
55	57.7	83.1	42,300
60	53.8	79.5	32,900
63	51.3	77.0	27,600

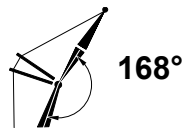
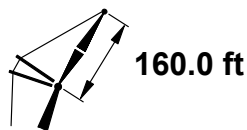
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	300,200
22	81.5	106.8	292,700
24	80.3	106.4	251,500
26	79.2	106.0	213,800
28	78.0	105.5	184,600
30	76.8	105.0	161,200
32	75.6	104.5	142,000
34	74.4	103.9	126,000
36	73.2	103.3	112,500
38	72.0	102.6	100,900
40	70.8	101.9	90,900
42	69.6	101.1	82,100
44	68.3	100.3	74,400
46	67.1	99.4	67,500
48	65.8	98.5	61,300
50	64.6	97.5	55,800
55	61.3	94.8	44,000
60	57.9	91.7	34,600
65	54.4	88.2	26,200
69	51.5	85.1	20,200

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



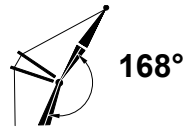
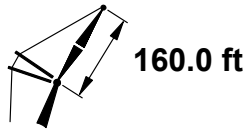
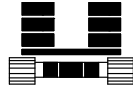
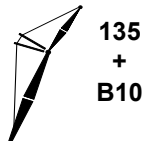
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	276,200
22	82.3	116.9	272,800
24	81.2	116.6	253,200
26	80.2	116.2	215,400
28	79.1	115.8	186,100
30	78.0	115.3	162,500
32	77.0	114.8	143,300
34	75.9	114.3	127,300
36	74.8	113.8	113,700
38	73.7	113.1	102,100
40	72.6	112.5	92,000
42	71.5	111.8	83,200
44	70.4	111.1	75,400
46	69.3	110.3	68,500
48	68.2	109.5	62,300
50	67.0	108.6	56,700
55	64.1	106.2	44,900
60	61.2	103.5	35,500
65	58.1	100.4	26,900
70	55.0	97.0	19,500
75	51.7	93.1	13,300

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	265,400
24	82.0	126.7	252,800
26	81.0	126.4	216,800
28	80.0	126.0	187,400
30	79.1	125.6	163,800
32	78.1	125.1	144,500
34	77.1	124.7	128,500
36	76.1	124.1	114,900
38	75.1	123.6	103,200
40	74.1	123.0	93,100
42	73.1	122.4	84,300
44	72.1	121.7	76,500
46	71.1	121.0	69,500
48	70.1	120.2	63,300
50	69.1	119.5	57,700
55	66.5	117.3	45,900
60	63.8	114.9	36,500
65	61.1	112.1	27,800
70	58.3	109.1	20,500
75	55.4	105.7	14,200
80	52.4	101.9	8,900
82	51.2	100.3	6,900

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	244,700
26	81.7	136.5	217,900
28	80.8	136.2	188,400
30	79.9	135.8	164,800
32	79.0	135.4	145,500
34	78.1	134.9	129,400
36	77.2	134.5	115,700
38	76.3	133.9	104,100
40	75.4	133.4	93,900
42	74.5	132.8	85,100
44	73.5	132.2	77,200
46	72.6	131.6	70,300
48	71.7	130.9	64,100
50	70.7	130.2	58,500
55	68.4	128.2	46,600
60	66.0	126.0	37,000
65	63.5	123.5	28,300
70	61.0	120.8	21,000
75	58.4	117.8	14,800
80	55.8	114.4	9,400
85	53.0	110.7	4,700

# MLC250 S-1

ASME B30.5



140.0 ft			
ft	o	ft	lb
25	82.7	146.8	232,400
26	82.3	146.6	216,800
28	81.5	146.3	189,300
30	80.6	146.0	165,700
32	79.8	145.6	146,300
34	79.0	145.2	130,200
36	78.1	144.7	116,500
38	77.3	144.3	104,800
40	76.5	143.8	94,700
42	75.6	143.2	85,800
44	74.8	142.7	78,000
46	73.9	142.1	71,000
48	73.0	141.4	64,800
50	72.2	140.8	59,100
55	70.0	139.0	47,300
60	67.8	137.0	37,500
65	65.6	134.7	28,800
70	63.3	132.2	21,600
75	60.9	129.5	15,400
80	58.5	126.4	10,000
85	56.1	123.1	5,400

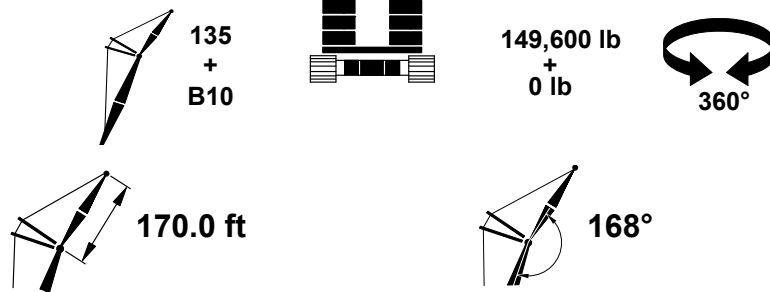
150.0 ft			
ft	o	ft	lb
26	82.8	156.7	206,800
28	82.0	156.4	189,100
30	81.3	156.1	166,300
32	80.5	155.8	146,900
34	79.7	155.4	130,700
36	78.9	155.0	117,000
38	78.2	154.5	105,300
40	77.4	154.1	95,100
42	76.6	153.6	86,200
44	75.8	153.0	78,300
46	75.0	152.5	71,300
48	74.2	151.9	65,100
50	73.4	151.3	59,400
55	71.4	149.6	47,500
60	69.4	147.8	37,300
65	67.3	145.7	28,700
70	65.2	143.4	21,500
75	63.0	140.9	15,300
80	60.9	138.1	9,900
85	58.6	135.1	5,300

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	194,900
28	82.5	166.5	188,000
30	81.8	166.2	166,400
32	81.1	165.9	147,400
34	80.4	165.6	131,200
36	79.6	165.2	117,500
38	78.9	164.8	105,700
40	78.2	164.3	95,500
42	77.4	163.9	86,600
44	76.7	163.4	78,700
46	76.0	162.9	71,700
48	75.2	162.3	65,400
50	74.5	161.7	59,800
55	72.6	160.2	47,700
60	70.7	158.5	37,400
65	68.8	156.5	28,800
70	66.8	154.4	21,600
75	64.9	152.1	15,400
80	62.9	149.5	10,100
85	60.8	146.8	5,400



# MLC250 S-1

ASME B30.5



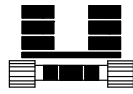
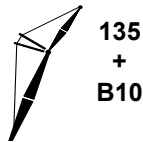
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	349,200
18	82.3	87.2	344,100
19	81.5	87.0	339,200
20	80.8	86.8	327,000
22	79.4	86.4	292,100
24	77.9	85.9	242,700
26	76.4	85.4	205,600
28	74.9	84.8	176,700
30	73.4	84.2	153,600
32	71.9	83.5	134,700
34	70.4	82.8	119,000
36	68.8	82.0	105,700
38	67.3	81.1	94,300
40	65.7	80.2	84,400
42	64.1	79.2	75,700
44	62.5	78.1	68,100
46	60.8	76.9	61,300
48	59.1	75.7	55,200
50	57.4	74.4	49,700
55	53.0	70.7	38,100
57	51.1	69.0	34,200

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	311,100
20	81.8	97.0	306,900
22	80.6	96.6	295,100
24	79.3	96.2	245,500
26	77.9	95.7	208,200
28	76.6	95.2	179,200
30	75.3	94.7	156,000
32	74.0	94.1	137,100
34	72.6	93.4	121,300
36	71.3	92.7	107,900
38	69.9	91.9	96,400
40	68.6	91.1	86,400
42	67.2	90.3	77,700
44	65.8	89.3	70,100
46	64.3	88.3	63,200
48	62.9	87.3	57,100
50	61.4	86.2	51,600
55	57.7	83.1	40,000
60	53.8	79.5	30,200
63	51.3	77.0	24,800

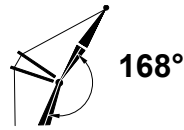
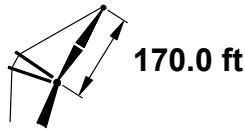
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	297,700
22	81.5	106.8	290,000
24	80.3	106.4	247,900
26	79.2	106.0	210,500
28	78.0	105.5	181,400
30	76.8	105.0	158,200
32	75.6	104.5	139,100
34	74.4	103.9	123,300
36	73.2	103.3	109,900
38	72.0	102.6	98,400
40	70.8	101.9	88,400
42	69.6	101.1	79,700
44	68.3	100.3	72,000
46	67.1	99.4	65,100
48	65.8	98.5	59,000
50	64.6	97.5	53,500
55	61.3	94.8	41,900
60	57.9	91.7	32,200
65	54.4	88.2	23,500
69	51.5	85.1	17,600

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb



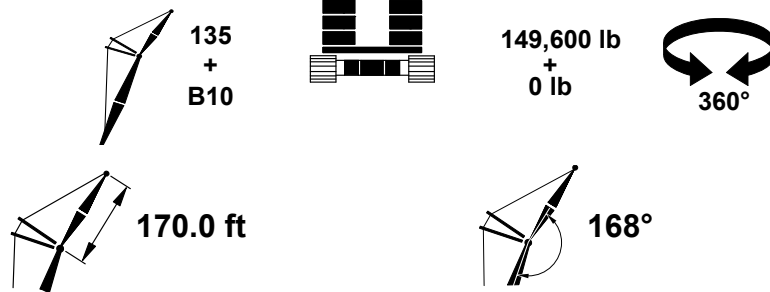
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	273,900
22	82.3	116.9	270,400
24	81.2	116.6	249,600
26	80.2	116.2	212,200
28	79.1	115.8	183,000
30	78.0	115.3	159,700
32	77.0	114.8	140,600
34	75.9	114.3	124,600
36	74.8	113.8	111,200
38	73.7	113.1	99,600
40	72.6	112.5	89,600
42	71.5	111.8	80,800
44	70.4	111.1	73,100
46	69.3	110.3	66,200
48	68.2	109.5	60,100
50	67.0	108.6	54,600
55	64.1	106.2	42,900
60	61.2	103.5	33,000
65	58.1	100.4	24,300
70	55.0	97.0	17,100
75	51.7	93.1	10,800

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	263,300
24	82.0	126.7	248,600
26	81.0	126.4	213,700
28	80.0	126.0	184,500
30	79.1	125.6	161,000
32	78.1	125.1	141,900
34	77.1	124.7	125,900
36	76.1	124.1	112,400
38	75.1	123.6	100,800
40	74.1	123.0	90,800
42	73.1	122.4	82,000
44	72.1	121.7	74,300
46	71.1	121.0	67,400
48	70.1	120.2	61,200
50	69.1	119.5	55,700
55	66.5	117.3	44,000
60	63.8	114.9	34,000
65	61.1	112.1	25,400
70	58.3	109.1	18,100
75	55.4	105.7	11,900
80	52.4	101.9	6,600
82	51.2	100.3	4,600

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	243,100
26	81.7	136.5	214,200
28	80.8	136.2	185,600
30	79.9	135.8	162,100
32	79.0	135.4	142,900
34	78.1	134.9	126,900
36	77.2	134.5	113,400
38	76.3	133.9	101,800
40	75.4	133.4	91,700
42	74.5	132.8	82,900
44	73.5	132.2	75,100
46	72.6	131.6	68,200
48	71.7	130.9	62,000
50	70.7	130.2	56,500
55	68.4	128.2	44,700
60	66.0	126.0	34,600
65	63.5	123.5	26,000
70	61.0	120.8	18,700
75	58.4	117.8	12,600
80	55.8	114.4	7,200

# MLC250 S-1

ASME B30.5



140.0 ft			
ft	°	ft	lb
25	82.7	146.8	228,600
26	82.3	146.6	213,200
28	81.5	146.3	186,600
30	80.6	146.0	163,100
32	79.8	145.6	143,800
34	79.0	145.2	127,800
36	78.1	144.7	114,200
38	77.3	144.3	102,600
40	76.5	143.8	92,500
42	75.6	143.2	83,700
44	74.8	142.7	75,900
46	73.9	142.1	69,000
48	73.0	141.4	62,800
50	72.2	140.8	57,200
55	70.0	139.0	45,500
60	67.8	137.0	35,200
65	65.6	134.7	26,600
70	63.3	132.2	19,400
75	60.9	129.5	13,200
80	58.5	126.4	7,900

150.0 ft			
ft	°	ft	lb
26	82.8	156.7	205,200
28	82.0	156.4	185,700
30	81.3	156.1	163,800
32	80.5	155.8	144,500
34	79.7	155.4	128,400
36	78.9	155.0	114,800
38	78.2	154.5	103,100
40	77.4	154.1	93,000
42	76.6	153.6	84,100
44	75.8	153.0	76,300
46	75.0	152.5	69,400
48	74.2	151.9	63,200
50	73.4	151.3	57,600
55	71.4	149.6	45,400
60	69.4	147.8	35,100
65	67.3	145.7	26,500
70	65.2	143.4	19,300
75	63.0	140.9	13,200
80	60.9	138.1	7,900

160.0 ft			
ft	°	ft	lb
27	82.9	166.7	193,300
28	82.5	166.5	184,700
30	81.8	166.2	163,300
32	81.1	165.9	145,100
34	80.4	165.6	128,900
36	79.6	165.2	115,300
38	78.9	164.8	103,600
40	78.2	164.3	93,500
42	77.4	163.9	84,600
44	76.7	163.4	76,800
46	76.0	162.9	69,800
48	75.2	162.3	63,600
50	74.5	161.7	58,000
55	72.6	160.2	45,500
60	70.7	158.5	35,200
65	68.8	156.5	26,700
70	66.8	154.4	19,500
75	64.9	152.1	13,400
80	62.9	149.5	8,100