

Liftcrane Boom Capacities With Luffing Jib Attached

MLC250 SERIES 3

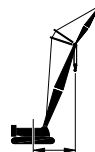
Boom No. B10:82A
Luffing Jib No. 149
219,600 lb Crane Counterweight
80,000 lb Carbody Counterweight
360 Degree Rating

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 7,500 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. 80138075**, Wire Rope Specifications chart **No. 9934-A**, Counterweight Arrangements chart **No. 9893-A**, Luffing Jib Raising Procedure chart **No. 9928-A**, and Wind Conditions chart **No. 9930-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. 9929-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, 9 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendant backstays, and luffing jib support straps.

Consult chart **No. 9926-A** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length Feet	Boom-to-Luffing Jib Angle Degrees
70	135
80 - 90	150
100 - 120	160
130 - 240	168

Explanation of Symbols



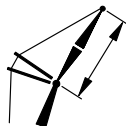
149 Luffing Jib No. 149
+
B10 Boom No. B10:82A



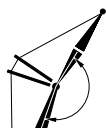
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Luffing Jib Length



Boom-to-Luffing Jib Angle



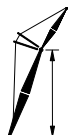
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



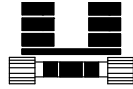
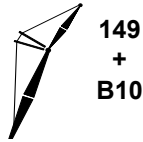
Boom Point Elevation
(see page 1)



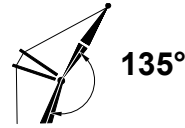
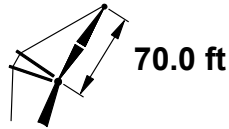
Lifting Capacities
(see page 1)

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



80.0 ft

	ft	°	ft	lb
17	83.0	87.3	409,600	
18	82.3	87.2	386,800	
19	81.5	87.0	366,200	
20	80.8	86.8	347,500	
22	79.4	86.4	314,800	
24	77.9	85.9	287,100	
26	76.4	85.4	263,400	
28	74.9	84.8	242,900	
30	73.4	84.2	224,900	
32	71.9	83.5	209,000	
33	71.1	83.2	201,800	

90.0 ft

	ft	°	ft	lb
19	82.5	97.1	366,100	
20	81.8	97.0	347,400	
22	80.6	96.6	314,700	
24	79.3	96.2	287,000	
26	77.9	95.7	263,300	
28	76.6	95.2	242,800	
30	75.3	94.7	224,800	
32	74.0	94.1	209,000	
34	72.6	93.4	194,900	
36	71.3	92.7	178,400	

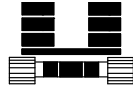
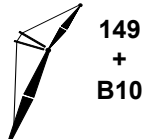
100.0 ft

	ft	°	ft	lb
20	82.7	107.1	307,000	
22	81.5	106.8	300,000	
24	80.3	106.4	287,400	
26	79.2	106.0	263,700	
28	78.0	105.5	243,100	
30	76.8	105.0	225,200	
32	75.6	104.5	209,300	
34	74.4	103.9	195,300	
36	73.2	103.3	179,300	
38	72.0	102.6	163,400	
39	71.4	102.3	156,200	

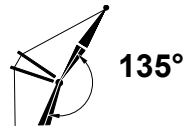
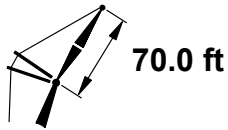
REFERENCE ONLY

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



110.0 ft			
ft	o	ft	lb
21	82.8	117.0	280,700
22	82.3	116.9	277,500
24	81.2	116.6	271,400
26	80.2	116.2	263,300
28	79.1	115.8	242,800
30	78.0	115.3	224,800
32	77.0	114.8	209,000
34	75.9	114.3	194,900
36	74.8	113.8	179,700
38	73.7	113.1	163,700
40	72.6	112.5	149,900
42	71.5	111.8	137,700

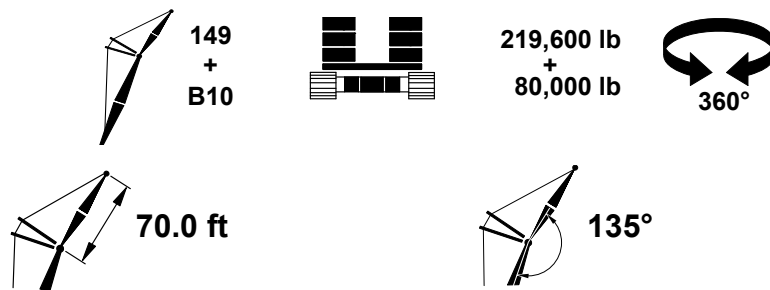
120.0 ft			
ft	o	ft	lb
22	82.9	127.0	271,400
24	82.0	126.7	265,800
26	81.0	126.4	260,500
28	80.0	126.0	242,900
30	79.1	125.6	224,900
32	78.1	125.1	209,100
34	77.1	124.7	195,000
36	76.1	124.1	180,200
38	75.1	123.6	164,200
40	74.1	123.0	150,300
42	73.1	122.4	138,200
44	72.1	121.7	127,500
46	71.1	121.0	118,000

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	249,500
26	81.7	136.5	244,600
28	80.8	136.2	239,900
30	79.9	135.8	224,800
32	79.0	135.4	208,900
34	78.1	134.9	194,900
36	77.2	134.5	180,600
38	76.3	133.9	164,500
40	75.4	133.4	150,600
42	74.5	132.8	138,500
44	73.5	132.2	127,700
46	72.6	131.6	118,200
48	71.7	130.9	109,700
49	71.2	130.5	105,700

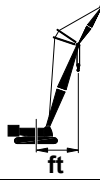

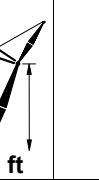

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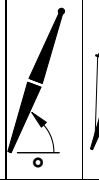
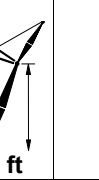

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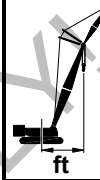

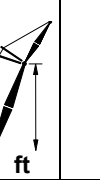

140.0 ft

				
	ft	°	ft	lb
25	82.7	146.8	236,000	
26	82.3	146.6	236,000	
28	81.5	146.3	230,900	
30	80.6	146.0	224,100	
32	79.8	145.6	208,900	
34	79.0	145.2	194,800	
36	78.1	144.7	180,900	
38	77.3	144.3	164,800	
40	76.5	143.8	150,900	
42	75.6	143.2	138,700	
44	74.8	142.7	127,900	
46	73.9	142.1	118,400	
48	73.0	141.4	109,800	
50	72.2	140.8	102,200	
52	71.3	140.1	95,200	

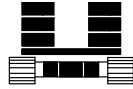
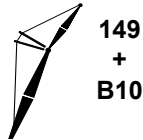
150.0 ft

				
	ft	°	ft	lb
26	82.8	156.7	214,500	
28	82.0	156.4	208,700	
30	81.3	156.1	203,100	
32	80.5	155.8	197,700	
34	79.7	155.4	192,500	
36	78.9	155.0	181,000	
38	78.2	154.5	164,900	
40	77.4	154.1	150,900	
42	76.6	153.6	138,700	
44	75.8	153.0	127,900	
46	75.0	152.5	118,300	
48	74.2	151.9	109,700	
50	73.4	151.3	102,000	
55	71.4	149.6	85,800	

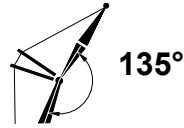
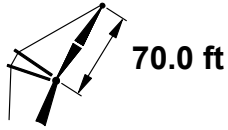
160.0 ft

				
	ft	°	ft	lb
27	82.9	166.7	201,800	
28	82.5	166.5	199,000	
30	81.8	166.2	193,500	
32	81.1	165.9	188,200	
34	80.4	165.6	183,200	
36	79.6	165.2	178,200	
38	78.9	164.8	165,000	
40	78.2	164.3	151,000	
42	77.4	163.9	138,800	
44	76.7	163.4	128,000	
46	76.0	162.9	118,400	
48	75.2	162.3	109,800	
50	74.5	161.7	102,100	
55	72.6	160.2	85,800	
59	71.1	158.8	75,100	

REFER TO



219,600 lb
+
80,000 lb



170.0 ft			
ft	o	ft	lb
28	83.0	176.6	184,600
30	82.3	176.4	180,000
32	81.6	176.0	175,700
34	80.9	175.7	171,400
36	80.3	175.4	167,200
38	79.6	175.0	163,200
40	78.9	174.6	151,000
42	78.2	174.1	138,800
44	77.5	173.7	127,900
46	76.8	173.2	118,300
48	76.1	172.7	109,700
50	75.4	172.1	102,000
55	73.7	170.7	85,700
60	71.9	169.1	72,600
62	71.2	168.4	68,100

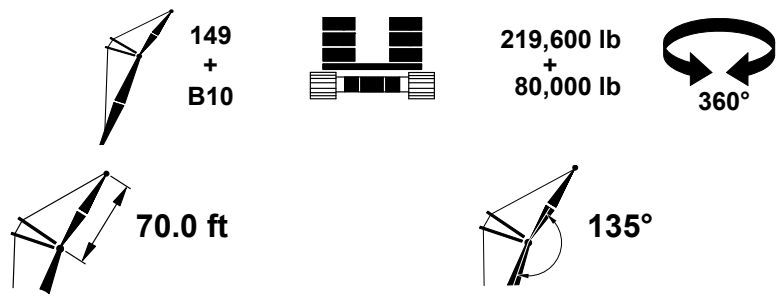
180.0 ft			
ft	o	ft	lb
30	82.7	186.5	170,300
32	82.1	186.2	166,100
34	81.5	185.8	162,000
36	80.8	185.5	158,000
38	80.2	185.2	154,000
40	79.5	184.8	150,000
42	78.9	184.4	138,700
44	78.2	183.9	127,900
46	77.6	183.5	118,300
48	76.9	183.0	109,700
50	76.2	182.5	101,900
55	74.6	181.1	85,600
60	72.9	179.6	72,500
65	71.3	177.9	61,800

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	154,700
32	82.5	196.3	152,900
34	81.9	196.0	149,400
36	81.3	195.7	146,200
38	80.7	195.3	142,800
40	80.1	194.9	139,400
42	79.5	194.6	136,200
44	78.8	194.2	127,800
46	78.2	193.7	118,200
48	77.6	193.3	109,500
50	77.0	192.8	101,800
55	75.4	191.5	85,400
60	73.9	190.1	72,200
65	72.3	188.5	61,500
68	71.3	187.5	56,000

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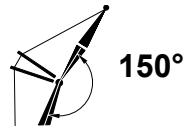
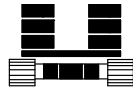
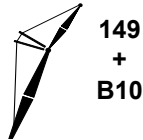
MLC250 S-3

ASME B30.5



200.0 ft			
ft	°	ft	lb
32	82.9	206.4	143,500
34	82.3	206.1	140,200
36	81.7	205.8	137,000
38	81.2	205.5	133,800
40	80.6	205.1	130,400
42	80.0	204.7	127,400
44	79.4	204.4	124,400
46	78.8	204.0	118,000
48	78.2	203.5	109,400
50	77.6	203.1	101,600
55	76.2	201.8	85,200
60	74.7	200.5	72,100
65	73.2	199.0	61,300
70	71.7	197.3	52,400
72	71.1	196.6	49,200

REFERENCE ONLY!



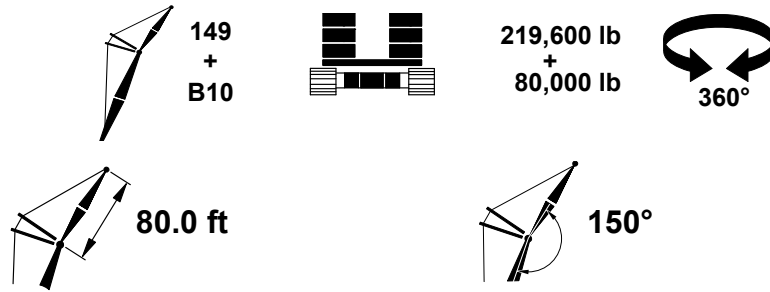
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	412,900
18	82.3	87.2	389,700
19	81.5	87.0	368,800
20	80.8	86.8	349,800
22	79.4	86.4	316,500
24	77.9	85.9	288,400
26	76.4	85.4	264,300
28	74.9	84.8	243,400
30	73.4	84.2	225,100
32	71.9	83.5	209,000
34	70.4	82.8	194,600
36	68.8	82.0	177,300
38	67.3	81.1	161,100
40	65.7	80.2	147,100
42	64.1	79.2	134,900
44	62.5	78.1	124,100
46	60.8	76.9	114,500

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	368,900
20	81.8	97.0	349,900
22	80.6	96.6	316,600
24	79.3	96.2	288,500
26	77.9	95.7	264,400
28	76.6	95.2	243,600
30	75.3	94.7	225,300
32	74.0	94.1	209,200
34	72.6	93.4	194,900
36	71.3	92.7	178,500
38	69.9	91.9	162,300
40	68.6	91.1	148,300
42	67.2	90.3	136,000
44	65.8	89.3	125,200
46	64.3	88.3	115,500
48	62.9	87.3	106,900
50	61.4	86.2	99,200
51	60.7	85.6	95,600

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	309,800
22	81.5	106.8	302,500
24	80.3	106.4	289,100
26	79.2	106.0	265,000
28	78.0	105.5	244,100
30	76.8	105.0	225,900
32	75.6	104.5	209,800
34	74.4	103.9	195,500
36	73.2	103.3	179,800
38	72.0	102.6	163,500
40	70.8	101.9	149,500
42	69.6	101.1	137,200
44	68.3	100.3	126,300
46	67.1	99.4	116,600
48	65.8	98.5	108,000
50	64.6	97.5	100,200
55	61.3	94.8	83,800
56	60.6	94.2	81,000

MLC250 S-3

ASME B30.5



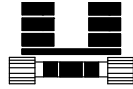
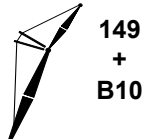
110.0 ft			
ft	°	ft	lb
21	82.8	117.0	283,300
22	82.3	116.9	280,000
24	81.2	116.6	273,600
26	80.2	116.2	264,800
28	79.1	115.8	243,900
30	78.0	115.3	225,700
32	77.0	114.8	209,600
34	75.9	114.3	195,300
36	74.8	113.8	180,500
38	73.7	113.1	164,200
40	72.6	112.5	150,100
42	71.5	111.8	137,700
44	70.4	111.1	126,800
46	69.3	110.3	117,100
48	68.2	109.5	108,500
50	67.0	108.6	100,700
55	64.1	106.2	84,200
60	61.2	103.5	71,100
61	60.6	102.9	68,700

120.0 ft			
ft	°	ft	lb
22	82.9	127.0	273,400
24	82.0	126.7	267,500
26	81.0	126.4	262,000
28	80.0	126.0	244,200
30	79.1	125.6	226,000
32	78.1	125.1	209,900
34	77.1	124.7	195,600
36	76.1	124.1	181,200
38	75.1	123.6	164,900
40	74.1	123.0	150,800
42	73.1	122.4	138,400
44	72.1	121.7	127,500
46	71.1	121.0	117,800
48	70.1	120.2	109,100
50	69.1	119.5	101,300
55	66.5	117.3	84,800
60	63.8	114.9	71,600
65	61.1	112.1	60,800
66	60.5	111.6	58,900

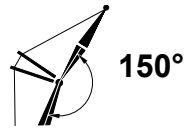
130.0 ft			
ft	°	ft	lb
24	82.6	136.8	251,100
26	81.7	136.5	246,000
28	80.8	136.2	240,900
30	79.9	135.8	225,900
32	79.0	135.4	209,800
34	78.1	134.9	195,600
36	77.2	134.5	181,800
38	76.3	133.9	165,400
40	75.4	133.4	151,300
42	74.5	132.8	138,900
44	73.5	132.2	127,900
46	72.6	131.6	118,200
48	71.7	130.9	109,500
50	70.7	130.2	101,700
55	68.4	128.2	85,200
60	66.0	126.0	72,000
65	63.5	123.5	61,200
70	61.0	120.8	52,200
71	60.5	120.2	50,500

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



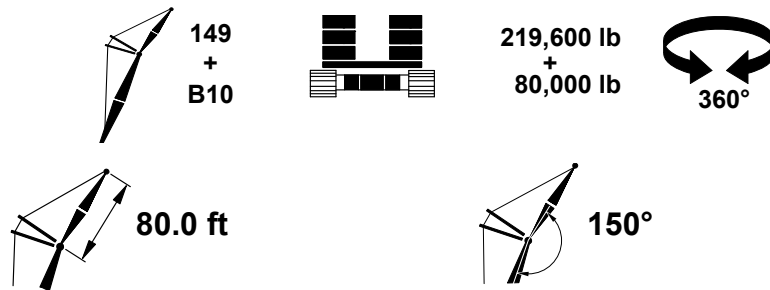
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	236,000
26	82.3	146.6	236,000
28	81.5	146.3	231,000
30	80.6	146.0	224,100
32	79.8	145.6	209,900
34	79.0	145.2	195,600
36	78.1	144.7	182,200
38	77.3	144.3	165,900
40	76.5	143.8	151,700
42	75.6	143.2	139,300
44	74.8	142.7	128,300
46	73.9	142.1	118,600
48	73.0	141.4	109,900
50	72.2	140.8	102,000
55	70.0	139.0	85,500
60	67.8	137.0	72,200
65	65.6	134.7	61,400
70	63.3	132.2	52,400
75	60.9	129.5	44,800
76	60.5	128.9	43,400

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	214,700
28	82.0	156.4	208,800
30	81.3	156.1	203,200
32	80.5	155.8	197,700
34	79.7	155.4	192,400
36	78.9	155.0	182,400
38	78.2	154.5	166,100
40	77.4	154.1	151,800
42	76.6	153.6	139,400
44	75.8	153.0	128,400
46	75.0	152.5	118,600
48	74.2	151.9	109,900
50	73.4	151.3	102,100
55	71.4	149.6	85,500
60	69.4	147.8	72,200
65	67.3	145.7	61,300
70	65.2	143.4	52,300
75	63.0	140.9	44,600
80	60.9	138.1	38,100
81	60.4	137.5	36,900

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	202,000
28	82.5	166.5	199,200
30	81.8	166.2	193,700
32	81.1	165.9	188,400
34	80.4	165.6	183,200
36	79.6	165.2	178,200
38	78.9	164.8	166,300
40	78.2	164.3	152,100
42	77.4	163.9	139,600
44	76.7	163.4	128,600
46	76.0	162.9	118,800
48	75.2	162.3	110,100
50	74.5	161.7	102,200
55	72.6	160.2	85,600
60	70.7	158.5	72,300
65	68.8	156.5	61,400
70	66.8	154.4	52,400
75	64.9	152.1	44,700
80	62.9	149.5	38,100
85	60.8	146.8	32,500
86	60.4	146.2	31,400

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ASME B30.5



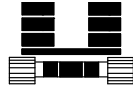
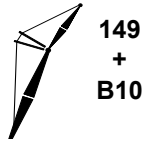
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	184,700
30	82.3	176.4	180,100
32	81.6	176.0	175,700
34	80.9	175.7	171,400
36	80.3	175.4	167,200
38	79.6	175.0	163,100
40	78.9	174.6	152,200
42	78.2	174.1	139,700
44	77.5	173.7	128,700
46	76.8	173.2	118,900
48	76.1	172.7	110,100
50	75.4	172.1	102,200
55	73.7	170.7	85,600
60	71.9	169.1	72,300
65	70.1	167.3	61,400
70	68.3	165.3	52,300
75	66.4	163.1	44,700
80	64.6	160.8	38,100
85	62.7	158.2	32,300
90	60.8	155.4	26,600
91	60.4	154.8	25,500

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	170,500
32	82.1	186.2	166,200
34	81.5	185.8	162,000
36	80.8	185.5	158,000
38	80.2	185.2	154,000
40	79.5	184.8	149,900
42	78.9	184.4	139,800
44	78.2	183.9	128,800
46	77.6	183.5	119,000
48	76.9	183.0	110,200
50	76.2	182.5	102,300
55	74.6	181.1	85,600
60	72.9	179.6	72,300
65	71.3	177.9	61,400
70	69.6	176.1	52,300
75	67.8	174.0	44,600
80	66.1	171.8	38,000
85	64.3	169.4	31,900
90	62.5	166.9	26,300
95	60.7	164.1	21,200
96	60.4	163.5	20,300

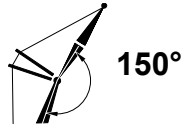
190.0 ft			
ft	°	ft	lb
31	82.8	196.4	154,600
32	82.5	196.3	152,800
34	81.9	196.0	149,400
36	81.3	195.7	146,100
38	80.7	195.3	142,700
40	80.1	194.9	139,200
42	79.5	194.6	136,100
44	78.8	194.2	128,700
46	78.2	193.7	118,900
48	77.6	193.3	110,100
50	77.0	192.8	102,200
55	75.4	191.5	85,500
60	73.9	190.1	72,100
65	72.3	188.5	61,200
70	70.7	186.7	52,100
75	69.1	184.8	44,400
80	67.4	182.8	37,700
85	65.8	180.5	31,300
90	64.1	178.1	25,600
95	62.4	175.5	20,600
100	60.7	172.7	16,100
101	60.3	172.2	15,300

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb

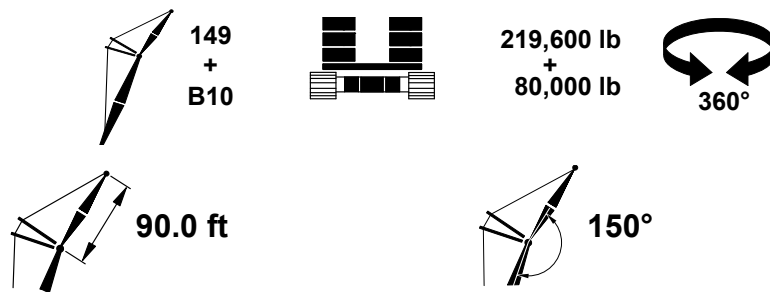


<p>200.0 ft</p>			
ft	°	ft	lb
32	82.9	206.4	143,500
34	82.3	206.1	140,100
36	81.7	205.8	136,900
38	81.2	205.5	133,700
40	80.6	205.1	130,300
42	80.0	204.7	127,200
44	79.4	204.4	124,200
46	78.8	204.0	118,900
48	78.2	203.5	110,100
50	77.6	203.1	102,100
55	76.2	201.8	85,400
60	74.7	200.5	72,000
65	73.2	199.0	61,100
70	71.7	197.3	51,900
75	70.2	195.6	44,200
80	68.6	193.6	37,300
85	67.1	191.5	30,800
90	65.5	189.2	25,200
95	63.9	186.8	20,200
100	62.3	184.2	15,700
105	60.7	181.4	11,700
106	60.3	180.8	10,900

REFERENCE ONLY!

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80.0 ft

	ft	°	ft	lb
17	83.0	87.3	407,300	
18	82.3	87.2	384,500	
19	81.5	87.0	363,700	
20	80.8	86.8	344,800	
22	79.4	86.4	311,800	
24	77.9	85.9	283,900	
26	76.4	85.4	259,900	
28	74.9	84.8	239,200	
30	73.4	84.2	221,000	
32	71.9	83.5	205,000	
34	70.4	82.8	190,700	
36	68.8	82.0	172,100	
38	67.3	81.1	156,200	
40	65.7	80.2	142,400	
42	64.1	79.2	130,300	
44	62.5	78.1	119,700	
46	60.8	76.9	110,300	

90.0 ft

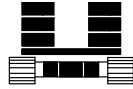
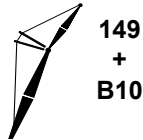
	ft	°	ft	lb
19	82.5	97.1	363,900	
20	81.8	97.0	345,000	
22	80.6	96.6	312,000	
24	79.3	96.2	284,100	
26	77.9	95.7	260,200	
28	76.6	95.2	239,500	
30	75.3	94.7	221,300	
32	74.0	94.1	205,300	
34	72.6	93.4	191,100	
36	71.3	92.7	173,600	
38	69.9	91.9	157,600	
40	68.6	91.1	143,700	
42	67.2	90.3	131,600	
44	65.8	89.3	120,900	
46	64.3	88.3	111,400	
48	62.9	87.3	102,900	
50	61.4	86.2	95,300	
51	60.7	85.6	91,800	

100.0 ft

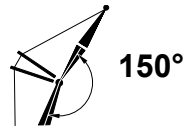
	ft	°	ft	lb
20	82.7	107.1	304,600	
22	81.5	106.8	297,300	
24	80.3	106.4	284,700	
26	79.2	106.0	260,800	
28	78.0	105.5	240,100	
30	76.8	105.0	222,000	
32	75.6	104.5	206,000	
34	74.4	103.9	191,800	
36	73.2	103.3	174,900	
38	72.0	102.6	158,900	
40	70.8	101.9	145,000	
42	69.6	101.1	132,900	
44	68.3	100.3	122,200	
46	67.1	99.4	112,700	
48	65.8	98.5	104,100	
50	64.6	97.5	96,500	
55	61.3	94.8	80,300	
56	60.6	94.2	77,500	

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ASME B30.5



219,600 lb
+
80,000 lb



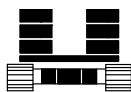
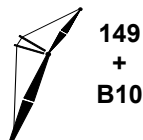
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	278,500
22	82.3	116.9	275,200
24	81.2	116.6	268,800
26	80.2	116.2	260,700
28	79.1	115.8	240,000
30	78.0	115.3	221,900
32	77.0	114.8	205,900
34	75.9	114.3	191,800
36	74.8	113.8	175,700
38	73.7	113.1	159,700
40	72.6	112.5	145,700
42	71.5	111.8	133,500
44	70.4	111.1	122,800
46	69.3	110.3	113,200
48	68.2	109.5	104,700
50	67.0	108.6	97,000
55	64.1	106.2	80,800
60	61.2	103.5	67,800
61	60.6	102.9	65,500

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	269,100
24	82.0	126.7	263,300
26	81.0	126.4	257,700
28	80.0	126.0	240,300
30	79.1	125.6	222,200
32	78.1	125.1	206,300
34	77.1	124.7	192,100
36	76.1	124.1	176,600
38	75.1	123.6	160,500
40	74.1	123.0	146,500
42	73.1	122.4	134,300
44	72.1	121.7	123,500
46	71.1	121.0	114,000
48	70.1	120.2	105,400
50	69.1	119.5	97,700
55	66.5	117.3	81,400
60	63.8	114.9	68,500
65	61.1	112.1	57,800
66	60.5	111.6	55,900

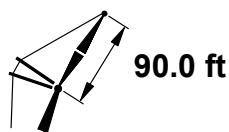
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	247,200
26	81.7	136.5	242,100
28	80.8	136.2	237,200
30	79.9	135.8	222,200
32	79.0	135.4	206,300
34	78.1	134.9	192,100
36	77.2	134.5	177,200
38	76.3	133.9	161,100
40	75.4	133.4	147,100
42	74.5	132.8	134,900
44	73.5	132.2	124,100
46	72.6	131.6	114,500
48	71.7	130.9	105,900
50	70.7	130.2	98,200
55	68.4	128.2	81,900
60	66.0	126.0	68,900
65	63.5	123.5	58,200
70	61.0	120.8	49,300
71	60.5	120.2	47,700

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ASME B30.5



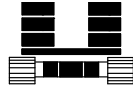
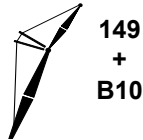
219,600 lb
+
80,000 lb



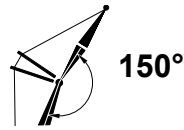
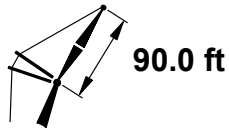
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	236,000
26	82.3	146.6	235,800
28	81.5	146.3	228,800
30	80.6	146.0	221,800
32	79.8	145.6	206,400
34	79.0	145.2	192,200
36	78.1	144.7	177,700
38	77.3	144.3	161,600
40	76.5	143.8	147,600
42	75.6	143.2	135,300
44	74.8	142.7	124,500
46	73.9	142.1	114,900
48	73.0	141.4	106,300
50	72.2	140.8	98,600
55	70.0	139.0	82,300
60	67.8	137.0	69,200
65	65.6	134.7	58,500
70	63.3	132.2	49,700
75	60.9	129.5	42,100
76	60.5	128.9	40,800

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	212,400
28	82.0	156.4	206,600
30	81.3	156.1	201,000
32	80.5	155.8	195,400
34	79.7	155.4	190,200
36	78.9	155.0	178,100
38	78.2	154.5	161,800
40	77.4	154.1	147,800
42	76.6	153.6	135,500
44	75.8	153.0	124,700
46	75.0	152.5	115,000
48	74.2	151.9	106,400
50	73.4	151.3	98,700
55	71.4	149.6	82,300
60	69.4	147.8	69,200
65	67.3	145.7	58,500
70	65.2	143.4	49,600
75	63.0	140.9	42,000
80	60.9	138.1	35,600
81	60.4	137.5	34,400

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	199,600
28	82.5	166.5	196,900
30	81.8	166.2	191,400
32	81.1	165.9	186,100
34	80.4	165.6	180,900
36	79.6	165.2	175,900
38	78.9	164.8	162,100
40	78.2	164.3	148,100
42	77.4	163.9	135,800
44	76.7	163.4	124,900
46	76.0	162.9	115,300
48	75.2	162.3	106,600
50	74.5	161.7	98,900
55	72.6	160.2	82,500
60	70.7	158.5	69,400
65	68.8	156.5	58,600
70	66.8	154.4	49,700
75	64.9	152.1	42,200
80	62.9	149.5	35,700
85	60.8	146.8	29,500
86	60.4	146.2	28,300



219,600 lb
+
80,000 lb



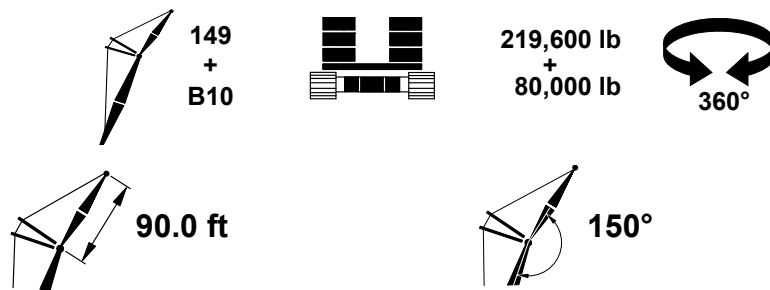
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	182,400
30	82.3	176.4	177,900
32	81.6	176.0	173,500
34	80.9	175.7	169,200
36	80.3	175.4	165,000
38	79.6	175.0	160,900
40	78.9	174.6	148,300
42	78.2	174.1	135,900
44	77.5	173.7	125,100
46	76.8	173.2	115,400
48	76.1	172.7	106,700
50	75.4	172.1	99,000
55	73.7	170.7	82,500
60	71.9	169.1	69,400
65	70.1	167.3	58,700
70	68.3	165.3	49,700
75	66.4	163.1	42,100
80	64.6	160.8	35,600
85	62.7	158.2	29,200
90	60.8	155.4	23,600
91	60.4	154.8	22,600


180.0 ft			
ft	o	ft	lb
30	82.7	186.5	168,200
32	82.1	186.2	163,900
34	81.5	185.8	159,800
36	80.8	185.5	155,800
38	80.2	185.2	151,800
40	79.5	184.8	147,700
42	78.9	184.4	136,100
44	78.2	183.9	125,200
46	77.6	183.5	115,500
48	76.9	183.0	106,800
50	76.2	182.5	99,000
55	74.6	181.1	82,600
60	72.9	179.6	69,400
65	71.3	177.9	58,700
70	69.6	176.1	49,700
75	67.8	174.0	42,100
80	66.1	171.8	35,300
85	64.3	169.4	28,900
90	62.5	166.9	23,300
95	60.7	164.1	18,400
96	60.4	163.5	17,500

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	152,500
32	82.5	196.3	150,700
34	81.9	196.0	147,200
36	81.3	195.7	143,900
38	80.7	195.3	140,600
40	80.1	194.9	137,100
42	79.5	194.6	133,900
44	78.8	194.2	125,200
46	78.2	193.7	115,500
48	77.6	193.3	106,800
50	77.0	192.8	99,000
55	75.4	191.5	82,500
60	73.9	190.1	69,300
65	72.3	188.5	58,500
70	70.7	186.7	49,500
75	69.1	184.8	41,900
80	67.4	182.8	34,700
85	65.8	180.5	28,300
90	64.1	178.1	22,700
95	62.4	175.5	17,800
100	60.7	172.7	13,400
101	60.3	172.2	12,500

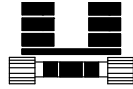
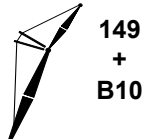
MLC250 S-3

ASME B30.5

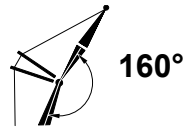
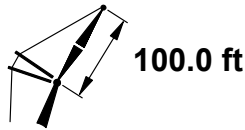


 200.0 ft			
ft	°	ft	lb
32	82.9	206.4	141,300
34	82.3	206.1	138,000
36	81.7	205.8	134,800
38	81.2	205.5	131,500
40	80.6	205.1	128,200
42	80.0	204.7	125,100
44	79.4	204.4	122,100
46	78.8	204.0	115,500
48	78.2	203.5	106,800
50	77.6	203.1	99,000
55	76.2	201.8	82,400
60	74.7	200.5	69,200
65	73.2	199.0	58,400
70	71.7	197.3	49,400
75	70.2	195.6	41,500
80	68.6	193.6	34,200
85	67.1	191.5	27,900
90	65.5	189.2	22,300
95	63.9	186.8	17,400
100	62.3	184.2	13,000
105	60.7	181.4	9,000
106	60.3	180.8	8,300

PREFERENCE ONLY!



219,600 lb
+
80,000 lb



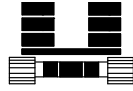
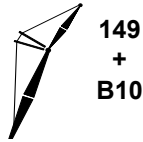
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	411,800
18	82.3	87.2	388,400
19	81.5	87.0	367,300
20	80.8	86.8	348,100
22	79.4	86.4	314,400
24	77.9	85.9	285,900
26	76.4	85.4	261,500
28	74.9	84.8	240,400
30	73.4	84.2	221,900
32	71.9	83.5	205,600
34	70.4	82.8	191,100
36	68.8	82.0	172,600
38	67.3	81.1	156,400
40	65.7	80.2	142,200
42	64.1	79.2	129,900
44	62.5	78.1	119,000
46	60.8	76.9	109,300
48	59.1	75.7	100,700
50	57.4	74.4	92,900
52	55.7	73.0	85,900

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	367,600
20	81.8	97.0	348,400
22	80.6	96.6	314,800
24	79.3	96.2	286,400
26	77.9	95.7	262,000
28	76.6	95.2	240,900
30	75.3	94.7	222,500
32	74.0	94.1	206,200
34	72.6	93.4	191,700
36	71.3	92.7	174,500
38	69.9	91.9	158,200
40	68.6	91.1	144,000
42	67.2	90.3	131,600
44	65.8	89.3	120,700
46	64.3	88.3	111,000
48	62.9	87.3	102,300
50	61.4	86.2	94,500
55	57.7	83.1	77,900
58	55.4	81.0	69,700

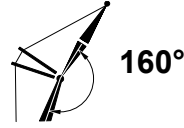
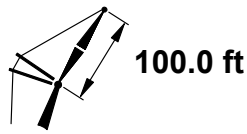
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	308,600
22	81.5	106.8	300,900
24	80.3	106.4	287,200
26	79.2	106.0	262,900
28	78.0	105.5	241,800
30	76.8	105.0	223,400
32	75.6	104.5	207,100
34	74.4	103.9	192,600
36	73.2	103.3	176,200
38	72.0	102.6	159,900
40	70.8	101.9	145,700
42	69.6	101.1	133,200
44	68.3	100.3	122,300
46	67.1	99.4	112,500
48	65.8	98.5	103,800
50	64.6	97.5	96,000
55	61.3	94.8	79,500
60	57.9	91.7	66,200
64	55.1	89.0	57,400

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



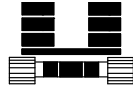
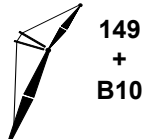
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	282,100
22	82.3	116.9	278,700
24	81.2	116.6	271,900
26	80.2	116.2	262,900
28	79.1	115.8	241,900
30	78.0	115.3	223,400
32	77.0	114.8	207,200
34	75.9	114.3	192,700
36	74.8	113.8	177,300
38	73.7	113.1	160,900
40	72.6	112.5	146,600
42	71.5	111.8	134,200
44	70.4	111.1	123,200
46	69.3	110.3	113,400
48	68.2	109.5	104,700
50	67.0	108.6	96,800
55	64.1	106.2	80,200
60	61.2	103.5	66,900
65	58.1	100.4	56,100
69	55.6	97.7	48,700

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	271,900
24	82.0	126.7	265,900
26	81.0	126.4	260,100
28	80.0	126.0	242,300
30	79.1	125.6	223,900
32	78.1	125.1	207,700
34	77.1	124.7	193,200
36	76.1	124.1	178,400
38	75.1	123.6	161,900
40	74.1	123.0	147,700
42	73.1	122.4	135,200
44	72.1	121.7	124,200
46	71.1	121.0	114,400
48	70.1	120.2	105,600
50	69.1	119.5	97,700
55	66.5	117.3	81,100
60	63.8	114.9	67,800
65	61.1	112.1	56,900
70	58.3	109.1	47,900
75	55.4	105.7	40,200

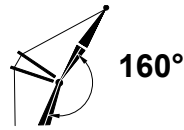
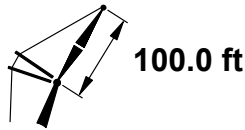
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	249,600
26	81.7	136.5	244,300
28	80.8	136.2	239,100
30	79.9	135.8	224,000
32	79.0	135.4	207,800
34	78.1	134.9	193,400
36	77.2	134.5	179,200
38	76.3	133.9	162,700
40	75.4	133.4	148,400
42	74.5	132.8	135,900
44	73.5	132.2	124,900
46	72.6	131.6	115,100
48	71.7	130.9	106,300
50	70.7	130.2	98,400
55	68.4	128.2	81,800
60	66.0	126.0	68,400
65	63.5	123.5	57,500
70	61.0	120.8	48,400
75	58.4	117.8	40,700
80	55.8	114.4	34,200
81	55.2	113.7	33,000

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



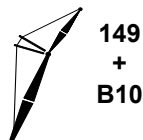
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	236,000
26	82.3	146.6	236,000
28	81.5	146.3	229,300
30	80.6	146.0	222,300
32	79.8	145.6	208,000
34	79.0	145.2	193,600
36	78.1	144.7	179,900
38	77.3	144.3	163,400
40	76.5	143.8	149,100
42	75.6	143.2	136,500
44	74.8	142.7	125,500
46	73.9	142.1	115,700
48	73.0	141.4	106,900
50	72.2	140.8	99,000
55	70.0	139.0	82,300
60	67.8	137.0	68,900
65	65.6	134.7	58,000
70	63.3	132.2	48,900
75	60.9	129.5	41,200
80	58.5	126.4	34,600
85	56.1	123.1	28,400
87	55.1	121.7	26,000

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	213,000
28	82.0	156.4	207,100
30	81.3	156.1	201,400
32	80.5	155.8	195,900
34	79.7	155.4	190,500
36	78.9	155.0	180,300
38	78.2	154.5	163,800
40	77.4	154.1	149,400
42	76.6	153.6	136,900
44	75.8	153.0	125,800
46	75.0	152.5	115,900
48	74.2	151.9	107,100
50	73.4	151.3	99,200
55	71.4	149.6	82,500
60	69.4	147.8	69,100
65	67.3	145.7	58,100
70	65.2	143.4	49,000
75	63.0	140.9	41,300
80	60.9	138.1	34,700
85	58.6	135.1	28,100
90	56.4	131.8	22,400
92	55.4	130.4	20,300

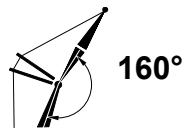
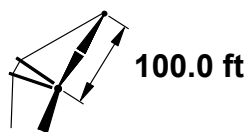
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	200,300
28	82.5	166.5	197,400
30	81.8	166.2	191,900
32	81.1	165.9	186,500
34	80.4	165.6	181,300
36	79.6	165.2	176,300
38	78.9	164.8	164,200
40	78.2	164.3	149,800
42	77.4	163.9	137,200
44	76.7	163.4	126,200
46	76.0	162.9	116,300
48	75.2	162.3	107,500
50	74.5	161.7	99,500
55	72.6	160.2	82,800
60	70.7	158.5	69,400
65	68.8	156.5	58,400
70	66.8	154.4	49,200
75	64.9	152.1	41,500
80	62.9	149.5	34,700
85	60.8	146.8	28,200
90	58.7	143.8	22,400
95	56.6	140.5	17,300
98	55.3	138.4	14,500

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



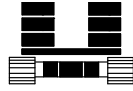
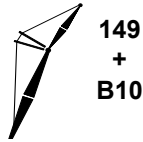
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	183,000
30	82.3	176.4	178,400
32	81.6	176.0	173,900
34	80.9	175.7	169,600
36	80.3	175.4	165,300
38	79.6	175.0	161,200
40	78.9	174.6	150,100
42	78.2	174.1	137,500
44	77.5	173.7	126,400
46	76.8	173.2	116,500
48	76.1	172.7	107,700
50	75.4	172.1	99,700
55	73.7	170.7	82,900
60	71.9	169.1	69,500
65	70.1	167.3	58,500
70	68.3	165.3	49,400
75	66.4	163.1	41,600
80	64.6	160.8	34,500
85	62.7	158.2	28,000
90	60.8	155.4	22,300
95	58.8	152.4	17,200
100	56.8	149.2	12,600
104	55.2	146.4	9,300

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	168,700
32	82.1	186.2	164,400
34	81.5	185.8	160,200
36	80.8	185.5	156,100
38	80.2	185.2	152,100
40	79.5	184.8	148,000
42	78.9	184.4	137,700
44	78.2	183.9	126,600
46	77.6	183.5	116,700
48	76.9	183.0	107,900
50	76.2	182.5	99,900
55	74.6	181.1	83,100
60	72.9	179.6	69,600
65	71.3	177.9	58,600
70	69.6	176.1	49,500
75	67.8	174.0	41,700
80	66.1	171.8	34,300
85	64.3	169.4	27,800
90	62.5	166.9	22,100
95	60.7	164.1	17,000
100	58.9	161.1	12,500
105	57.0	157.9	8,400

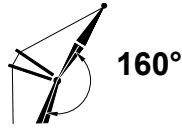
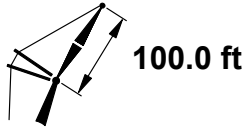
190.0 ft			
ft	°	ft	lb
31	82.8	196.4	152,900
32	82.5	196.3	151,100
34	81.9	196.0	147,600
36	81.3	195.7	144,200
38	80.7	195.3	140,900
40	80.1	194.9	137,400
42	79.5	194.6	134,100
44	78.8	194.2	126,700
46	78.2	193.7	116,800
48	77.6	193.3	107,900
50	77.0	192.8	99,900
55	75.4	191.5	83,100
60	73.9	190.1	69,600
65	72.3	188.5	58,500
70	70.7	186.7	49,300
75	69.1	184.8	41,300
80	67.4	182.8	33,800
85	65.8	180.5	27,300
90	64.1	178.1	21,600
95	62.4	175.5	16,500
100	60.7	172.7	12,000
105	58.9	169.8	7,900

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb

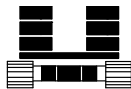
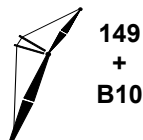


200.0 ft			
ft	°	ft	lb
32	82.9	206.4	141,700
34	82.3	206.1	138,400
36	81.7	205.8	135,100
38	81.2	205.5	131,900
40	80.6	205.1	128,500
42	80.0	204.7	125,300
44	79.4	204.4	122,300
46	78.8	204.0	116,800
48	78.2	203.5	108,000
50	77.6	203.1	100,000
55	76.2	201.8	83,100
60	74.7	200.5	69,600
65	73.2	199.0	58,500
70	71.7	197.3	49,300
75	70.2	195.6	40,900
80	68.6	193.6	33,500
85	67.1	191.5	27,000
90	65.5	189.2	21,300
95	63.9	186.8	16,300
100	62.3	184.2	11,700
105	60.7	181.4	7,700

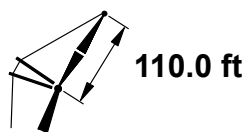
REFERENCE ONLY!

MLC250 S-3

ASME B30.5



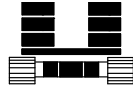
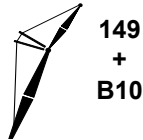
219,600 lb
+
80,000 lb



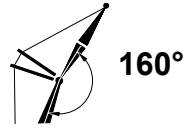
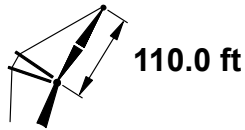
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	406,200
18	82.3	87.2	384,700
19	81.5	87.0	363,700
20	80.8	86.8	344,500
22	79.4	86.4	311,000
24	77.9	85.9	282,600
26	76.4	85.4	258,300
28	74.9	84.8	237,300
30	73.4	84.2	218,800
32	71.9	83.5	202,600
34	70.4	82.8	187,400
36	68.8	82.0	168,600
38	67.3	81.1	152,500
40	65.7	80.2	138,500
42	64.1	79.2	126,300
44	62.5	78.1	115,500
46	60.8	76.9	105,900
48	59.1	75.7	97,400
50	57.4	74.4	89,700
52	55.7	73.0	82,700

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	364,100
20	81.8	97.0	345,000
22	80.6	96.6	311,500
24	79.3	96.2	283,200
26	77.9	95.7	259,000
28	76.6	95.2	237,900
30	75.3	94.7	219,500
32	74.0	94.1	203,300
34	72.6	93.4	188,900
36	71.3	92.7	170,700
38	69.9	91.9	154,500
40	68.6	91.1	140,500
42	67.2	90.3	128,200
44	65.8	89.3	117,400
46	64.3	88.3	107,700
48	62.9	87.3	99,100
50	61.4	86.2	91,400
55	57.7	83.1	75,000
58	55.4	81.0	66,900

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	303,600
22	81.5	106.8	295,800
24	80.3	106.4	284,100
26	79.2	106.0	259,900
28	78.0	105.5	238,900
30	76.8	105.0	220,500
32	75.6	104.5	204,300
34	74.4	103.9	189,900
36	73.2	103.3	172,500
38	72.0	102.6	156,300
40	70.8	101.9	142,300
42	69.6	101.1	130,000
44	68.3	100.3	119,100
46	67.1	99.4	109,500
48	65.8	98.5	100,800
50	64.6	97.5	93,100
55	61.3	94.8	76,700
60	57.9	91.7	63,600
64	55.1	89.0	54,900



219,600 lb
+
80,000 lb



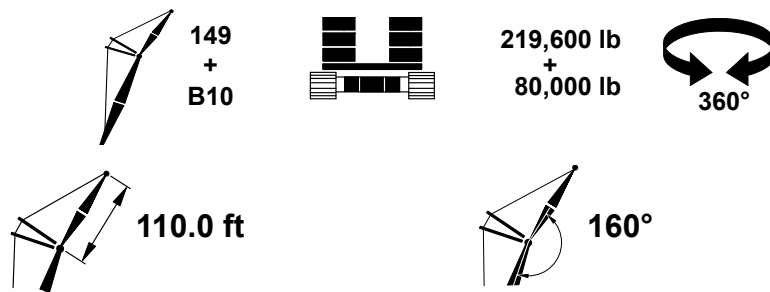
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	277,500
22	82.3	116.9	274,000
24	81.2	116.6	267,300
26	80.2	116.2	260,000
28	79.1	115.8	239,000
30	78.0	115.3	220,700
32	77.0	114.8	204,500
34	75.9	114.3	190,100
36	74.8	113.8	173,700
38	73.7	113.1	157,500
40	72.6	112.5	143,400
42	71.5	111.8	131,000
44	70.4	111.1	120,100
46	69.3	110.3	110,400
48	68.2	109.5	101,800
50	67.0	108.6	94,000
55	64.1	106.2	77,500
60	61.2	103.5	64,400
65	58.1	100.4	53,600
69	55.6	97.7	46,400

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	267,800
24	82.0	126.7	261,700
26	81.0	126.4	255,900
28	80.0	126.0	239,600
30	79.1	125.6	221,200
32	78.1	125.1	205,100
34	77.1	124.7	190,700
36	76.1	124.1	174,900
38	75.1	123.6	158,600
40	74.1	123.0	144,500
42	73.1	122.4	132,100
44	72.1	121.7	121,200
46	71.1	121.0	111,500
48	70.1	120.2	102,800
50	69.1	119.5	95,000
55	66.5	117.3	78,500
60	63.8	114.9	65,400
65	61.1	112.1	54,600
70	58.3	109.1	45,600
75	55.4	105.7	38,000

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	245,800
26	81.7	136.5	240,500
28	80.8	136.2	235,400
30	79.9	135.8	221,400
32	79.0	135.4	205,300
34	78.1	134.9	190,900
36	77.2	134.5	175,800
38	76.3	133.9	159,500
40	75.4	133.4	145,300
42	74.5	132.8	132,900
44	73.5	132.2	122,000
46	72.6	131.6	112,300
48	71.7	130.9	103,600
50	70.7	130.2	95,800
55	68.4	128.2	79,300
60	66.0	126.0	66,100
65	63.5	123.5	55,300
70	61.0	120.8	46,300
75	58.4	117.8	38,600
80	55.8	114.4	32,000
81	55.2	113.7	30,600

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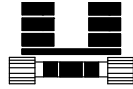
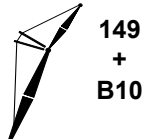
140.0 ft			
ft	°	ft	lb
25	82.7	146.8	236,000
26	82.3	146.6	234,000
28	81.5	146.3	226,900
30	80.6	146.0	219,900
32	79.8	145.6	205,500
34	79.0	145.2	191,200
36	78.1	144.7	176,600
38	77.3	144.3	160,200
40	76.5	143.8	146,100
42	75.6	143.2	133,600
44	74.8	142.7	122,700
46	73.9	142.1	113,000
48	73.0	141.4	104,300
50	72.2	140.8	96,400
55	70.0	139.0	79,900
60	67.8	137.0	66,600
65	65.6	134.7	55,800
70	63.3	132.2	46,800
75	60.9	129.5	39,200
80	58.5	126.4	32,400
85	56.1	123.1	25,900
87	55.1	121.7	23,500

150.0 ft			
ft	°	ft	lb
26	82.8	156.7	210,600
28	82.0	156.4	204,800
30	81.3	156.1	199,100
32	80.5	155.8	193,500
34	79.7	155.4	188,100
36	78.9	155.0	177,100
38	78.2	154.5	160,700
40	77.4	154.1	146,500
42	76.6	153.6	134,000
44	75.8	153.0	123,100
46	75.0	152.5	113,300
48	74.2	151.9	104,600
50	73.4	151.3	96,700
55	71.4	149.6	80,100
60	69.4	147.8	66,800
65	67.3	145.7	56,000
70	65.2	143.4	46,900
75	63.0	140.9	39,300
80	60.9	138.1	32,200
85	58.6	135.1	25,700
90	56.4	131.8	20,000
92	55.4	130.4	17,900

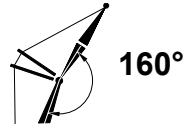
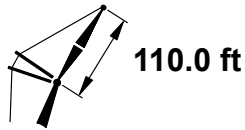
160.0 ft			
ft	°	ft	lb
27	82.9	166.7	197,900
28	82.5	166.5	195,000
30	81.8	166.2	189,500
32	81.1	165.9	184,200
34	80.4	165.6	178,900
36	79.6	165.2	173,900
38	78.9	164.8	161,200
40	78.2	164.3	146,900
42	77.4	163.9	134,500
44	76.7	163.4	123,500
46	76.0	162.9	113,700
48	75.2	162.3	104,900
50	74.5	161.7	97,100
55	72.6	160.2	80,500
60	70.7	158.5	67,200
65	68.8	156.5	56,300
70	66.8	154.4	47,200
75	64.9	152.1	39,600
80	62.9	149.5	32,300
85	60.8	146.8	25,800
90	58.7	143.8	20,100
95	56.6	140.5	15,100
98	55.3	138.4	12,300

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219,600 lb
+
80,000 lb



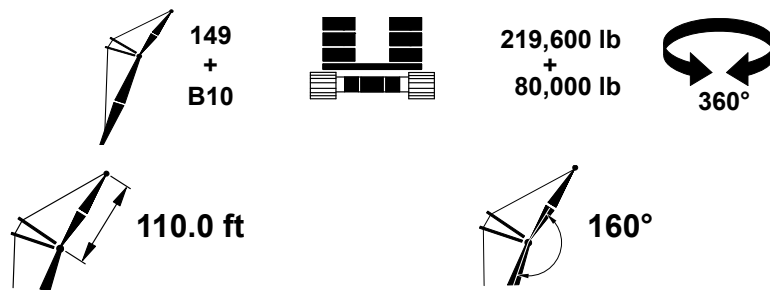
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	180,600
30	82.3	176.4	176,100
32	81.6	176.0	171,600
34	80.9	175.7	167,300
36	80.3	175.4	163,000
38	79.6	175.0	158,800
40	78.9	174.6	147,300
42	78.2	174.1	134,800
44	77.5	173.7	123,800
46	76.8	173.2	114,000
48	76.1	172.7	105,200
50	75.4	172.1	97,300
55	73.7	170.7	80,700
60	71.9	169.1	67,400
65	70.1	167.3	56,500
70	68.3	165.3	47,400
75	66.4	163.1	39,500
80	64.6	160.8	32,100
85	62.7	158.2	25,700
90	60.8	155.4	20,000
95	58.8	152.4	15,000
100	56.8	149.2	10,500
104	55.2	146.4	7,200


180.0 ft			
ft	o	ft	lb
30	82.7	186.5	166,300
32	82.1	186.2	162,000
34	81.5	185.8	157,800
36	80.8	185.5	153,800
38	80.2	185.2	149,700
40	79.5	184.8	145,700
42	78.9	184.4	135,000
44	78.2	183.9	124,000
46	77.6	183.5	114,200
48	76.9	183.0	105,400
50	76.2	182.5	97,500
55	74.6	181.1	80,900
60	72.9	179.6	67,500
65	71.3	177.9	56,600
70	69.6	176.1	47,500
75	67.8	174.0	39,400
80	66.1	171.8	32,000
85	64.3	169.4	25,600
90	62.5	166.9	19,900
95	60.7	164.1	14,900
100	58.9	161.1	10,400
105	57.0	157.9	6,400

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	150,600
32	82.5	196.3	148,800
34	81.9	196.0	145,300
36	81.3	195.7	141,900
38	80.7	195.3	138,600
40	80.1	194.9	135,000
42	79.5	194.6	131,800
44	78.8	194.2	124,200
46	78.2	193.7	114,300
48	77.6	193.3	105,500
50	77.0	192.8	97,600
55	75.4	191.5	80,900
60	73.9	190.1	67,500
65	72.3	188.5	56,600
70	70.7	186.7	47,400
75	69.1	184.8	38,900
80	67.4	182.8	31,500
85	65.8	180.5	25,100
90	64.1	178.1	19,500
95	62.4	175.5	14,400
100	60.7	172.7	10,000
105	58.9	169.8	5,900

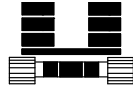
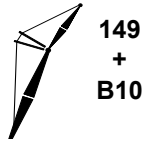
MLC250 S-3

ASME B30.5

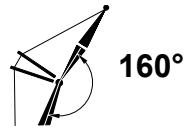
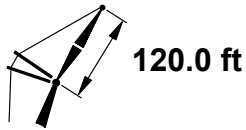


 200.0 ft			
ft	°	ft	lb
32	82.9	206.4	139,400
34	82.3	206.1	136,000
36	81.7	205.8	132,800
38	81.2	205.5	129,600
40	80.6	205.1	126,200
42	80.0	204.7	123,100
44	79.4	204.4	120,000
46	78.8	204.0	114,400
48	78.2	203.5	105,600
50	77.6	203.1	97,700
55	76.2	201.8	81,000
60	74.7	200.5	67,600
65	73.2	199.0	56,600
70	71.7	197.3	47,100
75	70.2	195.6	38,600
80	68.6	193.6	31,300
85	67.1	191.5	24,800
90	65.5	189.2	19,200
95	63.9	186.8	14,200
100	62.3	184.2	9,700
105	60.7	181.4	5,700

REFERENCE ONLY!



219,600 lb
+
80,000 lb



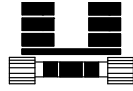
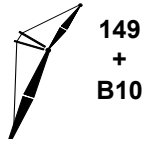
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	399,100
18	82.3	87.2	379,500
19	81.5	87.0	358,500
20	80.8	86.8	339,400
22	79.4	86.4	306,100
24	77.9	85.9	277,900
26	76.4	85.4	253,700
28	74.9	84.8	232,700
30	73.4	84.2	214,400
32	71.9	83.5	198,200
34	70.4	82.8	181,500
36	68.8	82.0	162,900
38	67.3	81.1	147,000
40	65.7	80.2	133,200
42	64.1	79.2	121,100
44	62.5	78.1	110,500
46	60.8	76.9	101,000
48	59.1	75.7	92,600
50	57.4	74.4	85,000
52	55.7	73.0	78,100

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	359,100
20	81.8	97.0	340,000
22	80.6	96.6	306,800
24	79.3	96.2	278,600
26	77.9	95.7	254,500
28	76.6	95.2	233,600
30	75.3	94.7	215,300
32	74.0	94.1	199,100
34	72.6	93.4	183,900
36	71.3	92.7	165,200
38	69.9	91.9	149,200
40	68.6	91.1	135,400
42	67.2	90.3	123,200
44	65.8	89.3	112,500
46	64.3	88.3	103,000
48	62.9	87.3	94,500
50	61.4	86.2	86,900
55	57.7	83.1	70,800
58	55.4	81.0	62,700

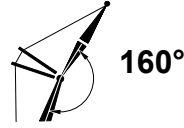
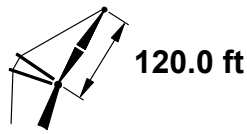
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	297,500
22	81.5	106.8	289,600
24	80.3	106.4	279,600
26	79.2	106.0	255,500
28	78.0	105.5	234,700
30	76.8	105.0	216,400
32	75.6	104.5	200,300
34	74.4	103.9	186,000
36	73.2	103.3	167,300
38	72.0	102.6	151,300
40	70.8	101.9	137,400
42	69.6	101.1	125,200
44	68.3	100.3	114,500
46	67.1	99.4	104,900
48	65.8	98.5	96,400
50	64.6	97.5	88,800
55	61.3	94.8	72,600
60	57.9	91.7	59,600
64	55.1	89.0	51,000

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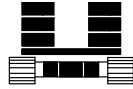
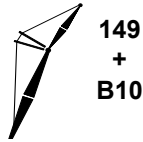
219,600 lb
+
80,000 lb



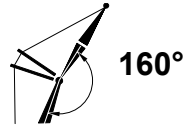
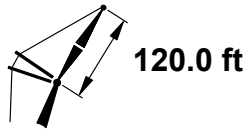
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	271,900
22	82.3	116.9	268,400
24	81.2	116.6	261,500
26	80.2	116.2	255,000
28	79.1	115.8	234,900
30	78.0	115.3	216,700
32	77.0	114.8	200,600
34	75.9	114.3	186,300
36	74.8	113.8	168,700
38	73.7	113.1	152,600
40	72.6	112.5	138,600
42	71.5	111.8	126,400
44	70.4	111.1	115,700
46	69.3	110.3	106,100
48	68.2	109.5	97,500
50	67.0	108.6	89,800
55	64.1	106.2	73,600
60	61.2	103.5	60,600
65	58.1	100.4	50,000
69	55.6	97.7	42,800

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	262,700
24	82.0	126.7	256,600
26	81.0	126.4	250,700
28	80.0	126.0	235,500
30	79.1	125.6	217,300
32	78.1	125.1	201,200
34	77.1	124.7	186,900
36	76.1	124.1	170,000
38	75.1	123.6	153,900
40	74.1	123.0	139,900
42	73.1	122.4	127,600
44	72.1	121.7	116,900
46	71.1	121.0	107,300
48	70.1	120.2	98,700
50	69.1	119.5	91,000
55	66.5	117.3	74,700
60	63.8	114.9	61,700
65	61.1	112.1	51,000
70	58.3	109.1	42,200
75	55.4	105.7	34,600

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	241,100
26	81.7	136.5	235,800
28	80.8	136.2	230,700
30	79.9	135.8	217,500
32	79.0	135.4	201,500
34	78.1	134.9	187,200
36	77.2	134.5	171,000
38	76.3	133.9	154,900
40	75.4	133.4	140,900
42	74.5	132.8	128,600
44	73.5	132.2	117,800
46	72.6	131.6	108,200
48	71.7	130.9	99,600
50	70.7	130.2	91,800
55	68.4	128.2	75,500
60	66.0	126.0	62,500
65	63.5	123.5	51,800
70	61.0	120.8	42,900
75	58.4	117.8	35,200
80	55.8	114.4	27,800
81	55.2	113.7	26,500



219,600 lb
+
80,000 lb



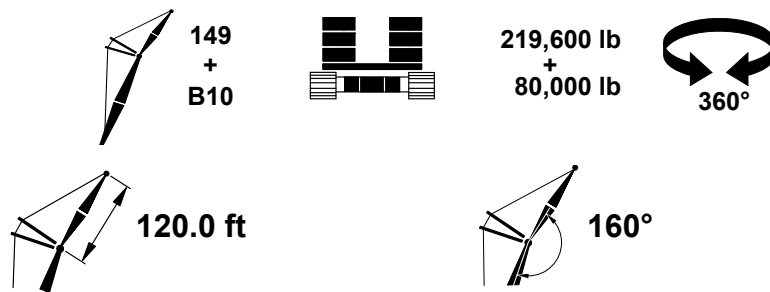
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	232,000
26	82.3	146.6	229,600
28	81.5	146.3	223,800
30	80.6	146.0	216,800
32	79.8	145.6	201,800
34	79.0	145.2	187,600
36	78.1	144.7	171,900
38	77.3	144.3	155,700
40	76.5	143.8	141,700
42	75.6	143.2	129,400
44	74.8	142.7	118,600
46	73.9	142.1	108,900
48	73.0	141.4	100,300
50	72.2	140.8	92,600
55	70.0	139.0	76,200
60	67.8	137.0	63,100
65	65.6	134.7	52,400
70	63.3	132.2	43,500
75	60.9	129.5	35,700
80	58.5	126.4	28,300
85	56.1	123.1	21,900
87	55.1	121.7	19,600

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	207,700
28	82.0	156.4	201,800
30	81.3	156.1	196,000
32	80.5	155.8	190,600
34	79.7	155.4	185,200
36	78.9	155.0	172,500
38	78.2	154.5	156,200
40	77.4	154.1	142,200
42	76.6	153.6	129,900
44	75.8	153.0	119,000
46	75.0	152.5	109,400
48	74.2	151.9	100,700
50	73.4	151.3	92,900
55	71.4	149.6	76,500
60	69.4	147.8	63,400
65	67.3	145.7	52,700
70	65.2	143.4	43,800
75	63.0	140.9	35,600
80	60.9	138.1	28,200
85	58.6	135.1	21,800
90	56.4	131.8	16,200
92	55.4	130.4	14,100

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	194,800
28	82.5	166.5	192,000
30	81.8	166.2	186,500
32	81.1	165.9	181,100
34	80.4	165.6	175,900
36	79.6	165.2	170,900
38	78.9	164.8	156,800
40	78.2	164.3	142,700
42	77.4	163.9	130,400
44	76.7	163.4	119,500
46	76.0	162.9	109,800
48	75.2	162.3	101,200
50	74.5	161.7	93,400
55	72.6	160.2	77,000
60	70.7	158.5	63,800
65	68.8	156.5	53,100
70	66.8	154.4	44,100
75	64.9	152.1	35,700
80	62.9	149.5	28,400
85	60.8	146.8	22,000
90	58.7	143.8	16,400
95	56.6	140.5	11,400
98	55.3	138.4	8,700

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ASME B30.5



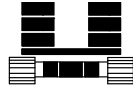
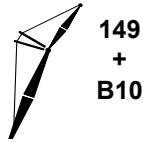
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	177,700
30	82.3	176.4	173,100
32	81.6	176.0	168,600
34	80.9	175.7	164,300
36	80.3	175.4	160,000
38	79.6	175.0	155,900
40	78.9	174.6	143,100
42	78.2	174.1	130,800
44	77.5	173.7	119,900
46	76.8	173.2	110,200
48	76.1	172.7	101,500
50	75.4	172.1	93,700
55	73.7	170.7	77,200
60	71.9	169.1	64,100
65	70.1	167.3	53,300
70	68.3	165.3	44,100
75	66.4	163.1	35,600
80	64.6	160.8	28,300
85	62.7	158.2	22,000
90	60.8	155.4	16,400
95	58.8	152.4	11,400
100	56.8	149.2	7,000

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	163,400
32	82.1	186.2	159,100
34	81.5	185.8	154,900
36	80.8	185.5	150,800
38	80.2	185.2	146,800
40	79.5	184.8	142,700
42	78.9	184.4	131,100
44	78.2	183.9	120,200
46	77.6	183.5	110,500
48	76.9	183.0	101,800
50	76.2	182.5	94,000
55	74.6	181.1	77,500
60	72.9	179.6	64,300
65	71.3	177.9	53,500
70	69.6	176.1	44,000
75	67.8	174.0	35,600
80	66.1	171.8	28,300
85	64.3	169.4	21,900
90	62.5	166.9	16,300
95	60.7	164.1	11,400
100	58.9	161.1	6,900

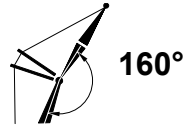
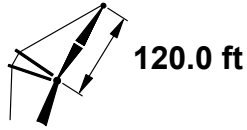
190.0 ft			
ft	o	ft	lb
31	82.8	196.4	147,600
32	82.5	196.3	145,900
34	81.9	196.0	142,400
36	81.3	195.7	139,000
38	80.7	195.3	135,600
40	80.1	194.9	132,200
42	79.5	194.6	129,000
44	78.8	194.2	120,400
46	78.2	193.7	110,600
48	77.6	193.3	101,900
50	77.0	192.8	94,100
55	75.4	191.5	77,600
60	73.9	190.1	64,300
65	72.3	188.5	53,400
70	70.7	186.7	43,600
75	69.1	184.8	35,100
80	67.4	182.8	27,900
85	65.8	180.5	21,500
90	64.1	178.1	15,900
95	62.4	175.5	11,000
100	60.7	172.7	6,600

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219,600 lb
+
80,000 lb

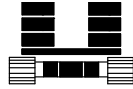
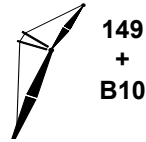


<p>200.0 ft</p>			
ft	°	ft	lb
32	82.9	206.4	118,000
34	82.3	206.1	118,000
36	81.7	205.8	118,000
38	81.2	205.5	118,000
40	80.6	205.1	118,000
42	80.0	204.7	118,000
44	79.4	204.4	117,200
46	78.8	204.0	110,800
48	78.2	203.5	102,100
50	77.6	203.1	94,200
55	76.2	201.8	77,700
60	74.7	200.5	64,400
65	73.2	199.0	53,100
70	71.7	197.3	43,300
75	70.2	195.6	34,900
80	68.6	193.6	27,600
85	67.1	191.5	21,300
90	65.5	189.2	15,700
95	63.9	186.8	10,800
100	62.3	184.2	6,400

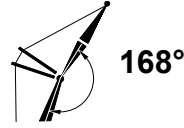
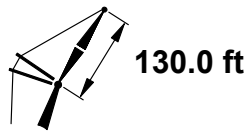
REFERENCE ONLY!

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ASME B30.5



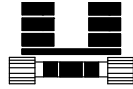
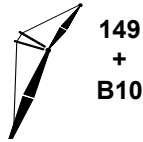
219,600 lb
+
80,000 lb



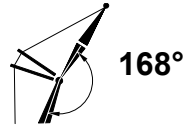
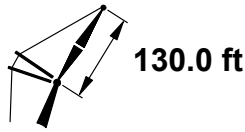
80.0 ft			
ft	°	ft	lb
17	83.0	87.3	408,900
18	82.3	87.2	386,600
19	81.5	87.0	365,100
20	80.8	86.8	345,600
22	79.4	86.4	311,400
24	77.9	85.9	282,500
26	76.4	85.4	257,700
28	74.9	84.8	236,200
30	73.4	84.2	217,400
32	71.9	83.5	200,800
34	70.4	82.8	185,100
36	68.8	82.0	169,900
38	67.3	81.1	149,400
40	65.7	80.2	135,200
42	64.1	79.2	122,700
44	62.5	78.1	111,700
46	60.8	76.9	101,900
48	59.1	75.7	93,100
50	57.4	74.4	85,200
55	53.0	70.7	68,600
58	50.1	68.2	60,300

90.0 ft			
ft	°	ft	lb
19	82.5	97.1	365,900
20	81.8	97.0	346,400
22	80.6	96.6	312,300
24	79.3	96.2	283,500
26	77.9	95.7	258,700
28	76.6	95.2	237,300
30	75.3	94.7	218,500
32	74.0	94.1	202,000
34	72.6	93.4	187,300
36	71.3	92.7	168,700
38	69.9	91.9	152,100
40	68.6	91.1	137,800
42	67.2	90.3	125,300
44	65.8	89.3	114,200
46	64.3	88.3	104,400
48	62.9	87.3	95,600
50	61.4	86.2	87,700
55	57.7	83.1	71,000
60	53.8	79.5	57,600
64	50.5	76.2	48,700

100.0 ft			
ft	°	ft	lb
20	82.7	107.1	305,700
22	81.5	106.8	297,500
24	80.3	106.4	284,700
26	79.2	106.0	260,000
28	78.0	105.5	238,600
30	76.8	105.0	219,900
32	75.6	104.5	203,300
34	74.4	103.9	188,700
36	73.2	103.3	171,100
38	72.0	102.6	154,500
40	70.8	101.9	140,200
42	69.6	101.1	127,600
44	68.3	100.3	116,500
46	67.1	99.4	106,700
48	65.8	98.5	97,900
50	64.6	97.5	89,900
55	61.3	94.8	73,200
60	57.9	91.7	59,800
65	54.4	88.2	48,800
70	50.8	84.2	39,700
71	50.0	83.3	38,000



219,600 lb
+
80,000 lb



110.0 ft

	ft	o	ft	lb
21	82.8	117.0		279,300
22	82.3	116.9		275,600
24	81.2	116.6		268,500
26	80.2	116.2		260,300
28	79.1	115.8		239,000
30	78.0	115.3		220,300
32	77.0	114.8		203,800
34	75.9	114.3		189,200
36	74.8	113.8		172,800
38	73.7	113.1		156,100
40	72.6	112.5		141,700
42	71.5	111.8		129,100
44	70.4	111.1		118,000
46	69.3	110.3		108,100
48	68.2	109.5		99,300
50	67.0	108.6		91,300
55	64.1	106.2		74,500
60	61.2	103.5		61,100
65	58.1	100.4		50,100
70	55.0	97.0		40,900
75	51.7	93.1		32,800
77	50.3	91.4		29,600

120.0 ft

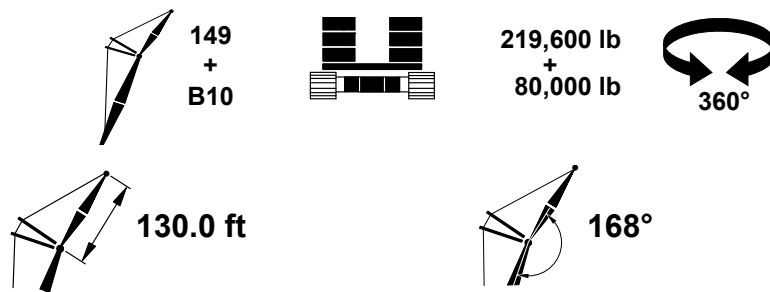
	ft	o	ft	lb
22	82.9	127.0		269,000
24	82.0	126.7		262,600
26	81.0	126.4		256,500
28	80.0	126.0		239,700
30	79.1	125.6		221,100
32	78.1	125.1		204,600
34	77.1	124.7		190,000
36	76.1	124.1		174,300
38	75.1	123.6		157,700
40	74.1	123.0		143,200
42	73.1	122.4		130,600
44	72.1	121.7		119,500
46	71.1	121.0		109,600
48	70.1	120.2		100,700
50	69.1	119.5		92,700
55	66.5	117.3		75,900
60	63.8	114.9		62,400
65	61.1	112.1		51,400
70	58.3	109.1		42,200
75	55.4	105.7		34,100
80	52.4	101.9		26,500
83	50.5	99.4		22,300

130.0 ft

	ft	o	ft	lb
24	82.6	136.8		246,500
26	81.7	136.5		241,000
28	80.8	136.2		235,700
30	79.9	135.8		221,500
32	79.0	135.4		205,000
34	78.1	134.9		190,400
36	77.2	134.5		175,500
38	76.3	133.9		158,900
40	75.4	133.4		144,400
42	74.5	132.8		131,800
44	73.5	132.2		120,600
46	72.6	131.6		110,700
48	71.7	130.9		101,800
50	70.7	130.2		93,800
55	68.4	128.2		76,900
60	66.0	126.0		63,400
65	63.5	123.5		52,400
70	61.0	120.8		43,200
75	58.4	117.8		35,000
80	55.8	114.4		27,400
85	53.0	110.7		20,700
90	50.2	106.6		14,900

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140.0 ft

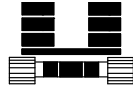
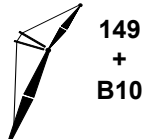
	ft	°	ft	lb
25	82.7	146.8	236,000	
26	82.3	146.6	233,500	
28	81.5	146.3	226,200	
30	80.6	146.0	219,100	
32	79.8	145.6	205,500	
34	79.0	145.2	190,900	
36	78.1	144.7	176,600	
38	77.3	144.3	159,900	
40	76.5	143.8	145,400	
42	75.6	143.2	132,700	
44	74.8	142.7	121,500	
46	73.9	142.1	111,600	
48	73.0	141.4	102,700	
50	72.2	140.8	94,700	
55	70.0	139.0	77,800	
60	67.8	137.0	64,300	
65	65.6	134.7	53,200	
70	63.3	132.2	44,000	
75	60.9	129.5	35,800	
80	58.5	126.4	28,100	
85	56.1	123.1	21,500	
90	53.5	119.5	15,600	
95	50.9	115.4	10,500	
96	50.4	114.6	9,500	

150.0 ft

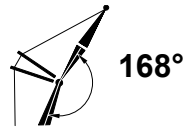
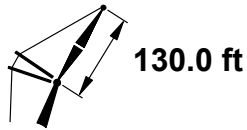
	ft	°	ft	lb
26	82.8	156.7	210,100	
28	82.0	156.4	204,100	
30	81.3	156.1	198,300	
32	80.5	155.8	192,700	
34	79.7	155.4	187,300	
36	78.9	155.0	177,300	
38	78.2	154.5	160,600	
40	77.4	154.1	146,000	
42	76.6	153.6	133,300	
44	75.8	153.0	122,100	
46	75.0	152.5	112,200	
48	74.2	151.9	103,200	
50	73.4	151.3	95,200	
55	71.4	149.6	78,300	
60	69.4	147.8	64,700	
65	67.3	145.7	53,600	
70	65.2	143.4	44,400	
75	63.0	140.9	35,800	
80	60.9	138.1	28,200	
85	58.6	135.1	21,600	
90	56.4	131.8	15,800	
95	54.0	128.2	10,600	
100	51.6	124.3	6,000	

160.0 ft

	ft	°	ft	lb
27	82.9	166.7	197,300	
28	82.5	166.5	194,400	
30	81.8	166.2	188,800	
32	81.1	165.9	183,400	
34	80.4	165.6	178,100	
36	79.6	165.2	173,000	
38	78.9	164.8	161,200	
40	78.2	164.3	146,700	
42	77.4	163.9	134,000	
44	76.7	163.4	122,700	
46	76.0	162.9	112,800	
48	75.2	162.3	103,800	
50	74.5	161.7	95,800	
55	72.6	160.2	78,800	
60	70.7	158.5	65,300	
65	68.8	156.5	54,200	
70	66.8	154.4	44,900	
75	64.9	152.1	36,200	
80	62.9	149.5	28,600	
85	60.8	146.8	22,000	
90	58.7	143.8	16,100	
95	56.6	140.5	11,000	
100	54.4	137.0	6,400	



219,600 lb
+
80,000 lb



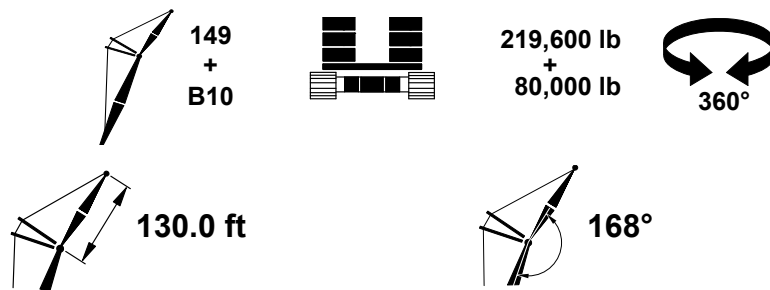
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	180,000
30	82.3	176.4	175,300
32	81.6	176.0	170,800
34	80.9	175.7	166,400
36	80.3	175.4	162,100
38	79.6	175.0	157,900
40	78.9	174.6	147,200
42	78.2	174.1	134,500
44	77.5	173.7	123,200
46	76.8	173.2	113,200
48	76.1	172.7	104,300
50	75.4	172.1	96,200
55	73.7	170.7	79,200
60	71.9	169.1	65,600
65	70.1	167.3	54,500
70	68.3	165.3	45,000
75	66.4	163.1	36,200
80	64.6	160.8	28,700
85	62.7	158.2	22,100
90	60.8	155.4	16,300
95	58.8	152.4	11,100
100	56.8	149.2	6,500

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	165,600
32	82.1	186.2	161,300
34	81.5	185.8	157,000
36	80.8	185.5	152,900
38	80.2	185.2	148,800
40	79.5	184.8	144,700
42	78.9	184.4	134,900
44	78.2	183.9	123,600
46	77.6	183.5	113,600
48	76.9	183.0	104,700
50	76.2	182.5	96,600
55	74.6	181.1	79,600
60	72.9	179.6	66,000
65	71.3	177.9	54,800
70	69.6	176.1	45,000
75	67.8	174.0	36,300
80	66.1	171.8	28,700
85	64.3	169.4	22,200
90	62.5	166.9	16,400
95	60.7	164.1	11,200
100	58.9	161.1	6,600

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	149,700
32	82.5	196.3	148,000
34	81.9	196.0	144,500
36	81.3	195.7	141,000
38	80.7	195.3	137,600
40	80.1	194.9	134,100
42	79.5	194.6	130,900
44	78.8	194.2	123,900
46	78.2	193.7	113,900
48	77.6	193.3	104,900
50	77.0	192.8	96,800
55	75.4	191.5	79,700
60	73.9	190.1	66,100
65	72.3	188.5	54,900
70	70.7	186.7	44,700
75	69.1	184.8	36,000
80	67.4	182.8	28,500
85	65.8	180.5	21,900
90	64.1	178.1	16,100
95	62.4	175.5	11,000
100	60.7	172.7	6,400

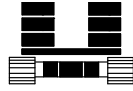
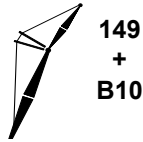
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ASME B30.5

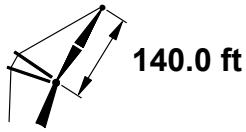


ft	°	ft	lb
32	82.9	206.4	118,000
34	82.3	206.1	118,000
36	81.7	205.8	118,000
38	81.2	205.5	118,000
40	80.6	205.1	118,000
42	80.0	204.7	118,000
44	79.4	204.4	118,000
46	78.8	204.0	114,100
48	78.2	203.5	105,100
50	77.6	203.1	97,000
55	76.2	201.8	79,900
60	74.7	200.5	66,200
65	73.2	199.0	54,700
70	71.7	197.3	44,500
75	70.2	195.6	35,800
80	68.6	193.6	28,300
85	67.1	191.5	21,800
90	65.5	189.2	16,000
95	63.9	186.8	10,900
100	62.3	184.2	6,300

REFERENCE ONLY!



219,600 lb
+
80,000 lb



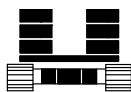
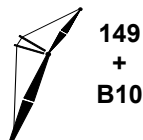
ft	o	ft	lb
17	83.0	87.3	403,000
18	82.3	87.2	382,300
19	81.5	87.0	360,800
20	80.8	86.8	341,300
22	79.4	86.4	307,200
24	77.9	85.9	278,300
26	76.4	85.4	253,600
28	74.9	84.8	232,100
30	73.4	84.2	213,400
32	71.9	83.5	196,800
34	70.4	82.8	179,700
36	68.8	82.0	160,700
38	67.3	81.1	144,300
40	65.7	80.2	130,200
42	64.1	79.2	117,800
44	62.5	78.1	106,900
46	60.8	76.9	97,200
48	59.1	75.7	88,500
50	57.4	74.4	80,700
55	53.0	70.7	64,200
58	50.1	68.2	55,800

ft	o	ft	lb
19	82.5	97.1	361,800
20	81.8	97.0	342,300
22	80.6	96.6	308,300
24	79.3	96.2	279,500
26	77.9	95.7	254,800
28	76.6	95.2	233,400
30	75.3	94.7	214,700
32	74.0	94.1	198,200
34	72.6	93.4	182,900
36	71.3	92.7	163,700
38	69.9	91.9	147,300
40	68.6	91.1	133,100
42	67.2	90.3	120,700
44	65.8	89.3	109,700
46	64.3	88.3	100,000
48	62.9	87.3	91,200
50	61.4	86.2	83,400
55	57.7	83.1	66,800
60	53.8	79.5	53,600
64	50.5	76.2	44,700

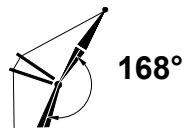
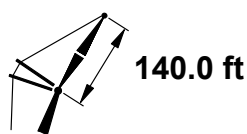
ft	o	ft	lb
20	82.7	107.1	300,600
22	81.5	106.8	292,300
24	80.3	106.4	280,800
26	79.2	106.0	256,200
28	78.0	105.5	234,900
30	76.8	105.0	216,200
32	75.6	104.5	199,700
34	74.4	103.9	185,100
36	73.2	103.3	166,400
38	72.0	102.6	150,000
40	70.8	101.9	135,700
42	69.6	101.1	123,300
44	68.3	100.3	112,300
46	67.1	99.4	102,500
48	65.8	98.5	93,700
50	64.6	97.5	85,900
55	61.3	94.8	69,200
60	57.9	91.7	56,000
65	54.4	88.2	45,100
70	50.8	84.2	35,700
71	50.0	83.3	33,900

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



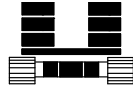
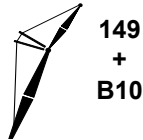
110.0 ft			
ft	°	ft	lb
21	82.8	117.0	274,600
22	82.3	116.9	270,900
24	81.2	116.6	263,700
26	80.2	116.2	256,700
28	79.1	115.8	235,400
30	78.0	115.3	216,800
32	77.0	114.8	200,300
34	75.9	114.3	185,700
36	74.8	113.8	168,200
38	73.7	113.1	151,700
40	72.6	112.5	137,500
42	71.5	111.8	124,900
44	70.4	111.1	113,900
46	69.3	110.3	104,100
48	68.2	109.5	95,300
50	67.0	108.6	87,400
55	64.1	106.2	70,800
60	61.2	103.5	57,400
65	58.1	100.4	46,500
70	55.0	97.0	37,100
75	51.7	93.1	28,300
77	50.3	91.4	25,100

120.0 ft			
ft	°	ft	lb
22	82.9	127.0	264,600
24	82.0	126.7	258,200
26	81.0	126.4	252,000
28	80.0	126.0	236,200
30	79.1	125.6	217,600
32	78.1	125.1	201,200
34	77.1	124.7	186,600
36	76.1	124.1	169,900
38	75.1	123.6	153,400
40	74.1	123.0	139,100
42	73.1	122.4	126,600
44	72.1	121.7	115,500
46	71.1	121.0	105,700
48	70.1	120.2	96,900
50	69.1	119.5	89,000
55	66.5	117.3	72,300
60	63.8	114.9	58,900
65	61.1	112.1	48,000
70	58.3	109.1	38,600
75	55.4	105.7	29,800
80	52.4	101.9	22,200
83	50.5	99.4	18,100

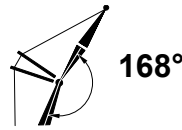
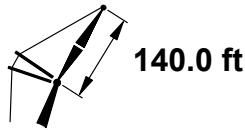
130.0 ft			
ft	°	ft	lb
24	82.6	136.8	242,600
26	81.7	136.5	237,000
28	80.8	136.2	231,600
30	79.9	135.8	218,100
32	79.0	135.4	201,700
34	78.1	134.9	187,100
36	77.2	134.5	171,300
38	76.3	133.9	154,800
40	75.4	133.4	140,400
42	74.5	132.8	127,900
44	73.5	132.2	116,800
46	72.6	131.6	106,900
48	71.7	130.9	98,100
50	70.7	130.2	90,200
55	68.4	128.2	73,400
60	66.0	126.0	60,100
65	63.5	123.5	49,100
70	61.0	120.8	39,600
75	58.4	117.8	30,900
80	55.8	114.4	23,300
85	53.0	110.7	16,700
90	50.2	106.6	10,900

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



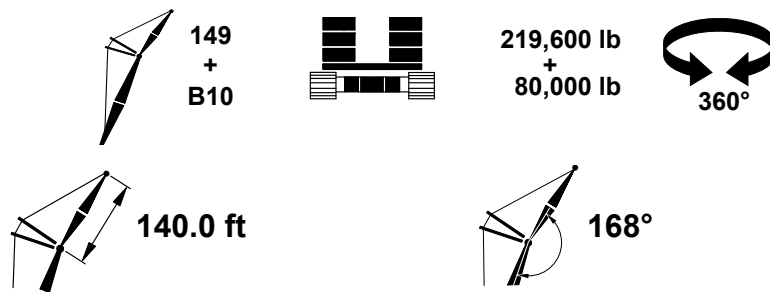
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	232,900
26	82.3	146.6	230,400
28	81.5	146.3	223,500
30	80.6	146.0	216,400
32	79.8	145.6	202,200
34	79.0	145.2	187,700
36	78.1	144.7	172,500
38	77.3	144.3	155,900
40	76.5	143.8	141,500
42	75.6	143.2	128,900
44	74.8	142.7	117,800
46	73.9	142.1	108,000
48	73.0	141.4	99,100
50	72.2	140.8	91,200
55	70.0	139.0	74,400
60	67.8	137.0	61,000
65	65.6	134.7	50,000
70	63.3	132.2	40,500
75	60.9	129.5	31,700
80	58.5	126.4	24,200
85	56.1	123.1	17,600
90	53.5	119.5	11,800
95	50.9	115.4	6,700
96	50.4	114.6	5,700

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	207,400
28	82.0	156.4	201,400
30	81.3	156.1	195,600
32	80.5	155.8	190,100
34	79.7	155.4	184,600
36	78.9	155.0	173,300
38	78.2	154.5	156,700
40	77.4	154.1	142,300
42	76.6	153.6	129,600
44	75.8	153.0	118,500
46	75.0	152.5	108,600
48	74.2	151.9	99,800
50	73.4	151.3	91,800
55	71.4	149.6	75,000
60	69.4	147.8	61,500
65	67.3	145.7	50,500
70	65.2	143.4	40,700
75	63.0	140.9	31,900
80	60.9	138.1	24,400
85	58.6	135.1	17,800
90	56.4	131.8	12,000
95	54.0	128.2	6,900

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	194,600
28	82.5	166.5	191,700
30	81.8	166.2	186,100
32	81.1	165.9	180,700
34	80.4	165.6	175,400
36	79.6	165.2	170,300
38	78.9	164.8	157,400
40	78.2	164.3	143,000
42	77.4	163.9	130,400
44	76.7	163.4	119,200
46	76.0	162.9	109,300
48	75.2	162.3	100,400
50	74.5	161.7	92,500
55	72.6	160.2	75,600
60	70.7	158.5	62,200
65	68.8	156.5	51,100
70	66.8	154.4	41,100
75	64.9	152.1	32,300
80	62.9	149.5	24,800
85	60.8	146.8	18,300
90	58.7	143.8	12,500
95	56.6	140.5	7,400

MLC250 S-3

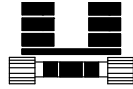
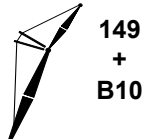
ASME B30.5



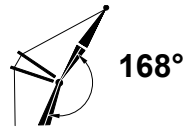
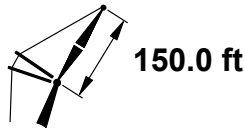
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	177,300
30	82.3	176.4	172,700
32	81.6	176.0	168,100
34	80.9	175.7	163,700
36	80.3	175.4	159,400
38	79.6	175.0	155,200
40	78.9	174.6	143,600
42	78.2	174.1	130,900
44	77.5	173.7	119,800
46	76.8	173.2	109,800
48	76.1	172.7	101,000
50	75.4	172.1	93,000
55	73.7	170.7	76,100
60	71.9	169.1	62,600
65	70.1	167.3	51,400
70	68.3	165.3	41,200
75	66.4	163.1	32,500
80	64.6	160.8	25,000
85	62.7	158.2	18,500
90	60.8	155.4	12,700
95	58.8	152.4	7,600

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	162,900
32	82.1	186.2	158,600
34	81.5	185.8	154,300
36	80.8	185.5	150,200
38	80.2	185.2	146,100
40	79.5	184.8	142,000
42	78.9	184.4	131,400
44	78.2	183.9	120,200
46	77.6	183.5	110,300
48	76.9	183.0	101,400
50	76.2	182.5	93,400
55	74.6	181.1	76,500
60	72.9	179.6	63,000
65	71.3	177.9	51,400
70	69.6	176.1	41,300
75	67.8	174.0	32,600
80	66.1	171.8	25,200
85	64.3	169.4	18,600
90	62.5	166.9	12,900
95	60.7	164.1	7,800

190.0 ft			
ft	°	ft	lb
31	82.8	196.4	147,100
32	82.5	196.3	145,300
34	81.9	196.0	141,800
36	81.3	195.7	138,400
38	80.7	195.3	135,000
40	80.1	194.9	131,400
42	79.5	194.6	128,200
44	78.8	194.2	120,600
46	78.2	193.7	110,600
48	77.6	193.3	101,700
50	77.0	192.8	93,700
55	75.4	191.5	76,700
60	73.9	190.1	63,200
65	72.3	188.5	51,200
70	70.7	186.7	41,100
75	69.1	184.8	32,400
80	67.4	182.8	24,900
85	65.8	180.5	18,400
90	64.1	178.1	12,700
95	62.4	175.5	7,600



219,600 lb
+
80,000 lb



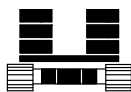
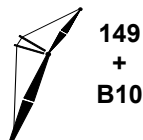
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	397,700
18	82.3	87.2	379,100
19	81.5	87.0	357,700
20	80.8	86.8	338,200
22	79.4	86.4	304,100
24	77.9	85.9	275,300
26	76.4	85.4	250,600
28	74.9	84.8	229,200
30	73.4	84.2	210,500
32	71.9	83.5	194,000
34	70.4	82.8	175,600
36	68.8	82.0	156,700
38	67.3	81.1	140,500
40	65.7	80.2	126,500
42	64.1	79.2	114,200
44	62.5	78.1	103,300
46	60.8	76.9	93,700
48	59.1	75.7	85,100
50	57.4	74.4	77,300
55	53.0	70.7	61,000
58	50.1	68.2	52,000

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	358,700
20	81.8	97.0	339,300
22	80.6	96.6	305,400
24	79.3	96.2	276,600
26	77.9	95.7	252,000
28	76.6	95.2	230,700
30	75.3	94.7	212,000
32	74.0	94.1	195,500
34	72.6	93.4	179,000
36	71.3	92.7	160,000
38	69.9	91.9	143,800
40	68.6	91.1	129,600
42	67.2	90.3	117,300
44	65.8	89.3	106,400
46	64.3	88.3	96,700
48	62.9	87.3	88,100
50	61.4	86.2	80,300
55	57.7	83.1	63,800
60	53.8	79.5	50,700
64	50.5	76.2	41,600

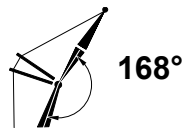
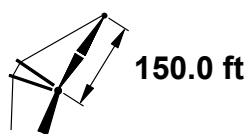
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	296,000
22	81.5	106.8	287,600
24	80.3	106.4	278,100
26	79.2	106.0	253,500
28	78.0	105.5	232,200
30	76.8	105.0	213,600
32	75.6	104.5	197,200
34	74.4	103.9	181,900
36	73.2	103.3	162,900
38	72.0	102.6	146,600
40	70.8	101.9	132,400
42	69.6	101.1	120,100
44	68.3	100.3	109,100
46	67.1	99.4	99,400
48	65.8	98.5	90,700
50	64.6	97.5	82,900
55	61.3	94.8	66,400
60	57.9	91.7	53,300
65	54.4	88.2	42,500
70	50.8	84.2	32,400
71	50.0	83.3	30,500

MLC250 S-3

ASME B30.5



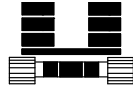
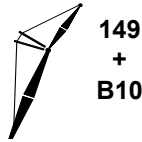
219,600 lb
+
80,000 lb



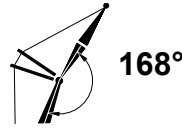
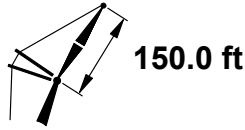
110.0 ft			
ft	°	ft	lb
21	82.8	117.0	270,500
22	82.3	116.9	266,700
24	81.2	116.6	259,400
26	80.2	116.2	252,400
28	79.1	115.8	232,900
30	78.0	115.3	214,300
32	77.0	114.8	197,900
34	75.9	114.3	183,300
36	74.8	113.8	164,900
38	73.7	113.1	148,500
40	72.6	112.5	134,300
42	71.5	111.8	121,900
44	70.4	111.1	111,000
46	69.3	110.3	101,200
48	68.2	109.5	92,500
50	67.0	108.6	84,700
55	64.1	106.2	68,100
60	61.2	103.5	54,900
65	58.1	100.4	44,000
70	55.0	97.0	34,000
75	51.7	93.1	25,200
77	50.3	91.4	22,100

120.0 ft			
ft	°	ft	lb
22	82.9	127.0	260,900
24	82.0	126.7	254,400
26	81.0	126.4	248,100
28	80.0	126.0	233,800
30	79.1	125.6	215,200
32	78.1	125.1	198,900
34	77.1	124.7	184,300
36	76.1	124.1	166,700
38	75.1	123.6	150,300
40	74.1	123.0	136,100
42	73.1	122.4	123,700
44	72.1	121.7	112,700
46	71.1	121.0	102,900
48	70.1	120.2	94,200
50	69.1	119.5	86,300
55	66.5	117.3	69,700
60	63.8	114.9	56,500
65	61.1	112.1	45,600
70	58.3	109.1	35,600
75	55.4	105.7	26,900
80	52.4	101.9	19,300
83	50.5	99.4	15,300

130.0 ft			
ft	°	ft	lb
24	82.6	136.8	239,100
26	81.7	136.5	233,500
28	80.8	136.2	228,000
30	79.9	135.8	215,800
32	79.0	135.4	199,400
34	78.1	134.9	184,900
36	77.2	134.5	168,200
38	76.3	133.9	151,800
40	75.4	133.4	137,500
42	74.5	132.8	125,100
44	73.5	132.2	114,100
46	72.6	131.6	104,300
48	71.7	130.9	95,500
50	70.7	130.2	87,700
55	68.4	128.2	71,000
60	66.0	126.0	57,700
65	63.5	123.5	46,800
70	61.0	120.8	36,800
75	58.4	117.8	28,100
80	55.8	114.4	20,500
85	53.0	110.7	14,000
90	50.2	106.6	8,300



219,600 lb
+
80,000 lb



140.0 ft

	ft	°	ft	lb
25	82.7	146.8	229,600	
26	82.3	146.6	227,100	
28	81.5	146.3	221,100	
30	80.6	146.0	214,100	
32	79.8	145.6	200,000	
34	79.0	145.2	185,500	
36	78.1	144.7	169,500	
38	77.3	144.3	153,000	
40	76.5	143.8	138,700	
42	75.6	143.2	126,200	
44	74.8	142.7	115,200	
46	73.9	142.1	105,400	
48	73.0	141.4	96,700	
50	72.2	140.8	88,800	
55	70.0	139.0	72,100	
60	67.8	137.0	58,800	
65	65.6	134.7	47,900	
70	63.3	132.2	37,700	
75	60.9	129.5	29,000	
80	58.5	126.4	21,500	
85	56.1	123.1	15,000	
90	53.5	119.5	9,300	

150.0 ft

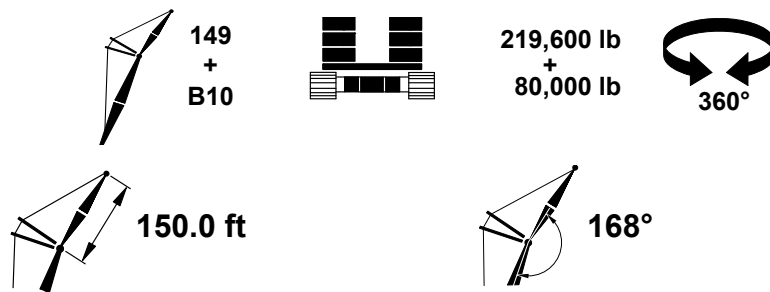
	ft	°	ft	lb
26	82.8	156.7	205,100	
28	82.0	156.4	199,200	
30	81.3	156.1	193,400	
32	80.5	155.8	187,800	
34	79.7	155.4	182,300	
36	78.9	155.0	170,400	
38	78.2	154.5	153,900	
40	77.4	154.1	139,600	
42	76.6	153.6	127,000	
44	75.8	153.0	116,000	
46	75.0	152.5	106,200	
48	74.2	151.9	97,400	
50	73.4	151.3	89,500	
55	71.4	149.6	72,800	
60	69.4	147.8	59,400	
65	67.3	145.7	48,200	
70	65.2	143.4	38,000	
75	63.0	140.9	29,300	
80	60.9	138.1	21,900	
85	58.6	135.1	15,300	
90	56.4	131.8	9,600	

160.0 ft

	ft	°	ft	lb
27	82.9	166.7	192,200	
28	82.5	166.5	189,400	
30	81.8	166.2	183,800	
32	81.1	165.9	178,400	
34	80.4	165.6	173,100	
36	79.6	165.2	168,000	
38	78.9	164.8	154,700	
40	78.2	164.3	140,400	
42	77.4	163.9	127,800	
44	76.7	163.4	116,800	
46	76.0	162.9	106,900	
48	75.2	162.3	98,100	
50	74.5	161.7	90,200	
55	72.6	160.2	73,500	
60	70.7	158.5	60,100	
65	68.8	156.5	48,600	
70	66.8	154.4	38,500	
75	64.9	152.1	29,800	
80	62.9	149.5	22,400	
85	60.8	146.8	15,900	
90	58.7	143.8	10,200	
95	56.6	140.5	5,100	

MLC250 S-3

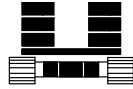
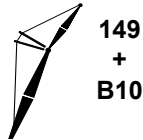
ASME B30.5



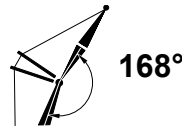
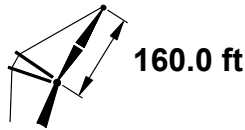
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	175,000
30	82.3	176.4	170,400
32	81.6	176.0	165,900
34	80.9	175.7	161,400
36	80.3	175.4	157,200
38	79.6	175.0	153,000
40	78.9	174.6	141,000
42	78.2	174.1	128,500
44	77.5	173.7	117,400
46	76.8	173.2	107,500
48	76.1	172.7	98,700
50	75.4	172.1	90,700
55	73.7	170.7	74,000
60	71.9	169.1	60,600
65	70.1	167.3	48,800
70	68.3	165.3	38,700
75	66.4	163.1	30,100
80	64.6	160.8	22,600
85	62.7	158.2	16,200
90	60.8	155.4	10,400
95	58.8	152.4	5,400

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	160,700
32	82.1	186.2	156,300
34	81.5	185.8	152,100
36	80.8	185.5	147,900
38	80.2	185.2	143,900
40	79.5	184.8	139,700
42	78.9	184.4	129,000
44	78.2	183.9	117,900
46	77.6	183.5	108,000
48	76.9	183.0	99,200
50	76.2	182.5	91,200
55	74.6	181.1	74,500
60	72.9	179.6	60,900
65	71.3	177.9	49,000
70	69.6	176.1	38,900
75	67.8	174.0	30,300
80	66.1	171.8	22,900
85	64.3	169.4	16,400
90	62.5	166.9	10,700
95	60.7	164.1	5,600

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	145,000
32	82.5	196.3	143,100
34	81.9	196.0	139,600
36	81.3	195.7	136,200
38	80.7	195.3	132,800
40	80.1	194.9	129,300
42	79.5	194.6	126,000
44	78.8	194.2	118,300
46	78.2	193.7	108,400
48	77.6	193.3	99,500
50	77.0	192.8	91,600
55	75.4	191.5	74,700
60	73.9	190.1	60,700
65	72.3	188.5	48,700
70	70.7	186.7	38,700
75	69.1	184.8	30,100
80	67.4	182.8	22,700
85	65.8	180.5	16,200
90	64.1	178.1	10,600
95	62.4	175.5	5,500



219,600 lb
+
80,000 lb



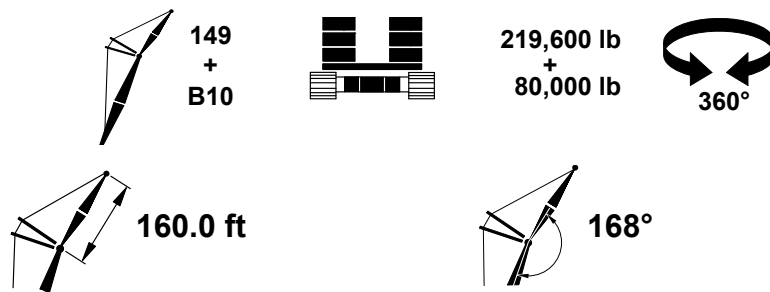
<p>80.0 ft</p>			
ft	o	ft	lb
17	83.0	87.3	391,500
18	82.3	87.2	374,500
19	81.5	87.0	353,100
20	80.8	86.8	333,700
22	79.4	86.4	299,700
24	77.9	85.9	271,000
26	76.4	85.4	246,300
28	74.9	84.8	225,000
30	73.4	84.2	206,300
32	71.9	83.5	189,800
34	70.4	82.8	170,000
36	68.8	82.0	151,200
38	67.3	81.1	135,100
40	65.7	80.2	121,200
42	64.1	79.2	109,000
44	62.5	78.1	98,300
46	60.8	76.9	88,700
48	59.1	75.7	80,200
50	57.4	74.4	72,500
55	53.0	70.7	56,300
58	50.1	68.2	46,400

<p>90.0 ft</p>			
ft	o	ft	lb
19	82.5	97.1	354,400
20	81.8	97.0	335,000
22	80.6	96.6	301,100
24	79.3	96.2	272,500
26	77.9	95.7	247,900
28	76.6	95.2	226,600
30	75.3	94.7	208,000
32	74.0	94.1	191,500
34	72.6	93.4	173,700
36	71.3	92.7	154,800
38	69.9	91.9	138,700
40	68.6	91.1	124,700
42	67.2	90.3	112,500
44	65.8	89.3	101,700
46	64.3	88.3	92,100
48	62.9	87.3	83,500
50	61.4	86.2	75,800
55	57.7	83.1	59,500
60	53.8	79.5	46,400
64	50.5	76.2	36,500

<p>100.0 ft</p>			
ft	o	ft	lb
20	82.7	107.1	290,600
22	81.5	106.8	282,000
24	80.3	106.4	273,800
26	79.2	106.0	249,600
28	78.0	105.5	228,300
30	76.8	105.0	209,800
32	75.6	104.5	193,400
34	74.4	103.9	176,800
36	73.2	103.3	157,900
38	72.0	102.6	141,800
40	70.8	101.9	127,700
42	69.6	101.1	115,500
44	68.3	100.3	104,600
46	67.1	99.4	95,000
48	65.8	98.5	86,400
50	64.6	97.5	78,700
55	61.3	94.8	62,300
60	57.9	91.7	49,200
65	54.4	88.2	37,600
70	50.8	84.2	27,400
71	50.0	83.3	25,500

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ASME B30.5



110.0 ft

	ft	°	ft	lb
21	82.8	117.0	265,500	
22	82.3	116.9	261,600	
24	81.2	116.6	254,200	
26	80.2	116.2	247,100	
28	79.1	115.8	229,100	
30	78.0	115.3	210,600	
32	77.0	114.8	194,200	
34	75.9	114.3	179,100	
36	74.8	113.8	160,200	
38	73.7	113.1	143,900	
40	72.6	112.5	129,800	
42	71.5	111.8	117,500	
44	70.4	111.1	106,600	
46	69.3	110.3	97,000	
48	68.2	109.5	88,300	
50	67.0	108.6	80,600	
55	64.1	106.2	64,200	
60	61.2	103.5	51,000	
65	58.1	100.4	39,300	
70	55.0	97.0	29,200	
75	51.7	93.1	20,500	
77	50.3	91.4	17,400	

120.0 ft

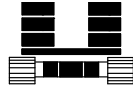
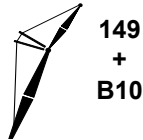
	ft	°	ft	lb
22	82.9	127.0	256,300	
24	82.0	126.7	249,700	
26	81.0	126.4	243,300	
28	80.0	126.0	230,100	
30	79.1	125.6	211,600	
32	78.1	125.1	195,300	
34	77.1	124.7	180,800	
36	76.1	124.1	162,200	
38	75.1	123.6	145,900	
40	74.1	123.0	131,800	
42	73.1	122.4	119,400	
44	72.1	121.7	108,500	
46	71.1	121.0	98,900	
48	70.1	120.2	90,200	
50	69.1	119.5	82,400	
55	66.5	117.3	66,000	
60	63.8	114.9	52,800	
65	61.1	112.1	41,200	
70	58.3	109.1	31,000	
75	55.4	105.7	22,400	
80	52.4	101.9	14,900	
83	50.5	99.4	10,900	

130.0 ft

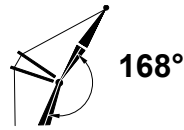
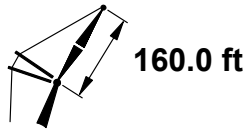
	ft	°	ft	lb
24	82.6	136.8	234,800	
26	81.7	136.5	229,100	
28	80.8	136.2	223,600	
30	79.9	135.8	212,300	
32	79.0	135.4	196,000	
34	78.1	134.9	181,500	
36	77.2	134.5	163,800	
38	76.3	133.9	147,500	
40	75.4	133.4	133,300	
42	74.5	132.8	121,000	
44	73.5	132.2	110,100	
46	72.6	131.6	100,300	
48	71.7	130.9	91,700	
50	70.7	130.2	83,900	
55	68.4	128.2	67,400	
60	66.0	126.0	54,200	
65	63.5	123.5	42,500	
70	61.0	120.8	32,300	
75	58.4	117.8	23,700	
80	55.8	114.4	16,300	
85	53.0	110.7	9,800	

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



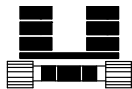
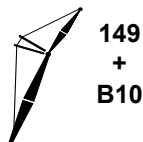
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	225,600
26	82.3	146.6	223,100
28	81.5	146.3	218,200
30	80.6	146.0	211,100
32	79.8	145.6	196,700
34	79.0	145.2	182,200
36	78.1	144.7	165,200
38	77.3	144.3	148,800
40	76.5	143.8	134,700
42	75.6	143.2	122,300
44	74.8	142.7	111,300
46	73.9	142.1	101,600
48	73.0	141.4	92,900
50	72.2	140.8	85,100
55	70.0	139.0	68,600
60	67.8	137.0	55,400
65	65.6	134.7	43,500
70	63.3	132.2	33,400
75	60.9	129.5	24,800
80	58.5	126.4	17,400
85	56.1	123.1	10,900
90	53.5	119.5	5,200

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	202,300
28	82.0	156.4	196,400
30	81.3	156.1	190,500
32	80.5	155.8	184,900
34	79.7	155.4	179,400
36	78.9	155.0	166,200
38	78.2	154.5	149,800
40	77.4	154.1	135,600
42	76.6	153.6	123,200
44	75.8	153.0	112,200
46	75.0	152.5	102,500
48	74.2	151.9	93,700
50	73.4	151.3	85,900
55	71.4	149.6	69,300
60	69.4	147.8	55,900
65	67.3	145.7	43,900
70	65.2	143.4	33,900
75	63.0	140.9	25,300
80	60.9	138.1	17,800
85	58.6	135.1	11,400
90	56.4	131.8	5,700

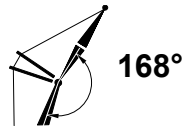
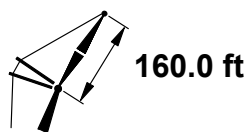
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	189,300
28	82.5	166.5	186,400
30	81.8	166.2	180,900
32	81.1	165.9	175,400
34	80.4	165.6	170,200
36	79.6	165.2	165,000
38	78.9	164.8	150,700
40	78.2	164.3	136,500
42	77.4	163.9	124,100
44	76.7	163.4	113,100
46	76.0	162.9	103,300
48	75.2	162.3	94,600
50	74.5	161.7	86,700
55	72.6	160.2	70,100
60	70.7	158.5	56,400
65	68.8	156.5	44,500
70	66.8	154.4	34,400
75	64.9	152.1	25,900
80	62.9	149.5	18,500
85	60.8	146.8	12,000
90	58.7	143.8	6,400

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



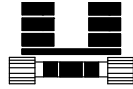
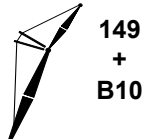
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	172,200
30	82.3	176.4	167,600
32	81.6	176.0	163,000
34	80.9	175.7	158,600
36	80.3	175.4	154,300
38	79.6	175.0	150,100
40	78.9	174.6	137,200
42	78.2	174.1	124,800
44	77.5	173.7	113,800
46	76.8	173.2	104,000
48	76.1	172.7	95,200
50	75.4	172.1	87,300
55	73.7	170.7	70,700
60	71.9	169.1	56,700
65	70.1	167.3	44,800
70	68.3	165.3	34,800
75	66.4	163.1	26,200
80	64.6	160.8	18,800
85	62.7	158.2	12,400
90	60.8	155.4	6,700

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	157,800
32	82.1	186.2	153,400
34	81.5	185.8	149,200
36	80.8	185.5	145,100
38	80.2	185.2	141,000
40	79.5	184.8	136,900
42	78.9	184.4	125,400
44	78.2	183.9	114,400
46	77.6	183.5	104,600
48	76.9	183.0	95,800
50	76.2	182.5	87,900
55	74.6	181.1	71,100
60	72.9	179.6	56,800
65	71.3	177.9	45,000
70	69.6	176.1	35,000
75	67.8	174.0	26,500
80	66.1	171.8	19,100
85	64.3	169.4	12,700
90	62.5	166.9	7,100

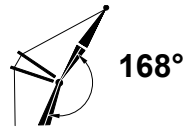
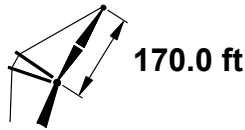
190.0 ft			
ft	o	ft	lb
31	82.8	196.4	142,200
32	82.5	196.3	140,400
34	81.9	196.0	136,800
36	81.3	195.7	133,400
38	80.7	195.3	130,000
40	80.1	194.9	126,500
42	79.5	194.6	123,200
44	78.8	194.2	114,800
46	78.2	193.7	105,000
48	77.6	193.3	96,200
50	77.0	192.8	88,300
55	75.4	191.5	70,900
60	73.9	190.1	56,700
65	72.3	188.5	44,900
70	70.7	186.7	34,900
75	69.1	184.8	26,400
80	67.4	182.8	19,100
85	65.8	180.5	12,700
90	64.1	178.1	7,000

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



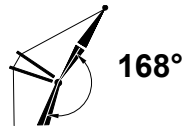
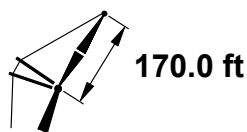
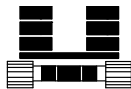
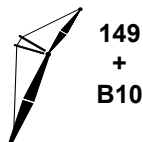
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	386,400
18	82.3	87.2	370,300
19	81.5	87.0	349,000
20	80.8	86.8	329,600
22	79.4	86.4	295,700
24	77.9	85.9	267,000
26	76.4	85.4	242,400
28	74.9	84.8	221,100
30	73.4	84.2	202,400
32	71.9	83.5	186,000
34	70.4	82.8	164,700
36	68.8	82.0	146,100
38	67.3	81.1	130,200
40	65.7	80.2	116,400
42	64.1	79.2	104,300
44	62.5	78.1	93,700
46	60.8	76.9	84,200
48	59.1	75.7	75,700
50	57.4	74.4	68,100
55	53.0	70.7	52,100
58	50.1	68.2	41,400

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	350,400
20	81.8	97.0	331,100
22	80.6	96.6	297,300
24	79.3	96.2	268,700
26	77.9	95.7	244,200
28	76.6	95.2	222,900
30	75.3	94.7	204,300
32	74.0	94.1	188,000
34	72.6	93.4	168,700
36	71.3	92.7	150,000
38	69.9	91.9	134,000
40	68.6	91.1	120,100
42	67.2	90.3	108,000
44	65.8	89.3	97,300
46	64.3	88.3	87,800
48	62.9	87.3	79,300
50	61.4	86.2	71,600
55	57.7	83.1	55,500
60	53.8	79.5	41,600
64	50.5	76.2	31,800

100.0 ft			
ft	o	ft	lb
20	82.7	107.1	286,300
22	81.5	106.8	277,500
24	80.3	106.4	269,100
26	79.2	106.0	246,000
28	78.0	105.5	224,800
30	76.8	105.0	206,300
32	75.6	104.5	190,000
34	74.4	103.9	172,100
36	73.2	103.3	153,400
38	72.0	102.6	137,300
40	70.8	101.9	123,400
42	69.6	101.1	111,200
44	68.3	100.3	100,500
46	67.1	99.4	91,000
48	65.8	98.5	82,400
50	64.6	97.5	74,800
55	61.3	94.8	58,600
60	57.9	91.7	45,000
65	54.4	88.2	32,900
70	50.8	84.2	22,900
71	50.0	83.3	21,100

MLC250 S-3

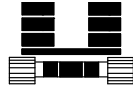
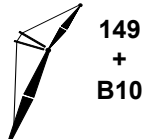
ASME B30.5



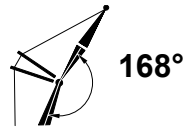
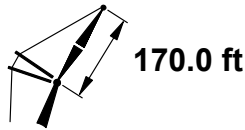
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	261,500
22	82.3	116.9	257,600
24	81.2	116.6	250,100
26	80.2	116.2	242,900
28	79.1	115.8	225,700
30	78.0	115.3	207,200
32	77.0	114.8	190,900
34	75.9	114.3	174,600
36	74.8	113.8	155,800
38	73.7	113.1	139,700
40	72.6	112.5	125,700
42	71.5	111.8	113,500
44	70.4	111.1	102,700
46	69.3	110.3	93,100
48	68.2	109.5	84,600
50	67.0	108.6	76,900
55	64.1	106.2	60,600
60	61.2	103.5	47,000
65	58.1	100.4	35,000
70	55.0	97.0	24,900
75	51.7	93.1	16,300
77	50.3	91.4	13,200

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	252,600
24	82.0	126.7	246,000
26	81.0	126.4	239,600
28	80.0	126.0	226,900
30	79.1	125.6	208,400
32	78.1	125.1	192,100
34	77.1	124.7	176,800
36	76.1	124.1	158,000
38	75.1	123.6	141,800
40	74.1	123.0	127,800
42	73.1	122.4	115,600
44	72.1	121.7	104,800
46	71.1	121.0	95,200
48	70.1	120.2	86,600
50	69.1	119.5	78,900
55	66.5	117.3	62,600
60	63.8	114.9	48,900
65	61.1	112.1	37,000
70	58.3	109.1	26,900
75	55.4	105.7	18,400
80	52.4	101.9	11,000
83	50.5	99.4	7,000

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	231,500
26	81.7	136.5	225,700
28	80.8	136.2	220,200
30	79.9	135.8	209,100
32	79.0	135.4	192,900
34	78.1	134.9	178,500
36	77.2	134.5	159,700
38	76.3	133.9	143,500
40	75.4	133.4	129,500
42	74.5	132.8	117,300
44	73.5	132.2	106,400
46	72.6	131.6	96,800
48	71.7	130.9	88,200
50	70.7	130.2	80,400
55	68.4	128.2	64,100
60	66.0	126.0	50,400
65	63.5	123.5	38,400
70	61.0	120.8	28,400
75	58.4	117.8	19,900
80	55.8	114.4	12,500
85	53.0	110.7	6,100



219,600 lb
+
80,000 lb



140.0 ft

	ft	o	ft	lb
25	82.7	146.8	222,500	
26	82.3	146.6	220,000	
28	81.5	146.3	215,100	
30	80.6	146.0	208,900	
32	79.8	145.6	193,700	
34	79.0	145.2	179,200	
36	78.1	144.7	161,200	
38	77.3	144.3	145,000	
40	76.5	143.8	131,000	
42	75.6	143.2	118,700	
44	74.8	142.7	107,800	
46	73.9	142.1	98,200	
48	73.0	141.4	89,600	
50	72.2	140.8	81,800	
55	70.0	139.0	65,400	
60	67.8	137.0	51,500	
65	65.6	134.7	39,600	
70	63.3	132.2	29,600	
75	60.9	129.5	21,100	
80	58.5	126.4	13,800	
85	56.1	123.1	7,400	

150.0 ft

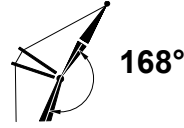
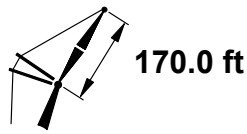
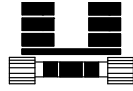
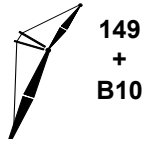
	ft	o	ft	lb
26	82.8	156.7	200,200	
28	82.0	156.4	194,200	
30	81.3	156.1	188,400	
32	80.5	155.8	182,800	
34	79.7	155.4	177,400	
36	78.9	155.0	162,400	
38	78.2	154.5	146,100	
40	77.4	154.1	132,000	
42	76.6	153.6	119,700	
44	75.8	153.0	108,800	
46	75.0	152.5	99,100	
48	74.2	151.9	90,500	
50	73.4	151.3	82,700	
55	71.4	149.6	66,300	
60	69.4	147.8	52,000	
65	67.3	145.7	40,200	
70	65.2	143.4	30,200	
75	63.0	140.9	21,700	
80	60.9	138.1	14,300	
85	58.6	135.1	7,900	

160.0 ft

	ft	o	ft	lb
27	82.9	166.7	187,200	
28	82.5	166.5	184,300	
30	81.8	166.2	178,700	
32	81.1	165.9	173,300	
34	80.4	165.6	168,000	
36	79.6	165.2	162,900	
38	78.9	164.8	147,100	
40	78.2	164.3	133,000	
42	77.4	163.9	120,700	
44	76.7	163.4	109,800	
46	76.0	162.9	100,100	
48	75.2	162.3	91,400	
50	74.5	161.7	83,600	
55	72.6	160.2	66,900	
60	70.7	158.5	52,700	
65	68.8	156.5	40,800	
70	66.8	154.4	30,900	
75	64.9	152.1	22,400	
80	62.9	149.5	15,100	
85	60.8	146.8	8,700	

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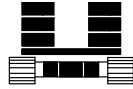
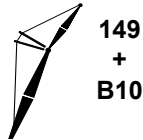
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	170,100
30	82.3	176.4	165,500
32	81.6	176.0	161,000
34	80.9	175.7	156,600
36	80.3	175.4	152,200
38	79.6	175.0	148,000
40	78.9	174.6	133,800
42	78.2	174.1	121,400
44	77.5	173.7	110,500
46	76.8	173.2	100,800
48	76.1	172.7	92,100
50	75.4	172.1	84,300
55	73.7	170.7	67,200
60	71.9	169.1	53,000
65	70.1	167.3	41,200
70	68.3	165.3	31,300
75	66.4	163.1	22,800
80	64.6	160.8	15,500
85	62.7	158.2	9,200

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	155,700
32	82.1	186.2	151,300
34	81.5	185.8	147,100
36	80.8	185.5	143,000
38	80.2	185.2	138,900
40	79.5	184.8	134,500
42	78.9	184.4	122,100
44	78.2	183.9	111,200
46	77.6	183.5	101,500
48	76.9	183.0	92,800
50	76.2	182.5	84,900
55	74.6	181.1	67,400
60	72.9	179.6	53,300
65	71.3	177.9	41,500
70	69.6	176.1	31,600
75	67.8	174.0	23,200
80	66.1	171.8	15,900
85	64.3	169.4	9,600

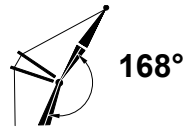
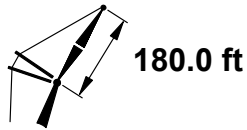
190.0 ft			
ft	o	ft	lb
31	82.8	196.4	140,100
32	82.5	196.3	138,400
34	81.9	196.0	134,800
36	81.3	195.7	131,400
38	80.7	195.3	128,000
40	80.1	194.9	124,400
42	79.5	194.6	121,100
44	78.8	194.2	111,600
46	78.2	193.7	101,700
48	77.6	193.3	92,800
50	77.0	192.8	84,700
55	75.4	191.5	67,300
60	73.9	190.1	53,200
65	72.3	188.5	41,500
70	70.7	186.7	31,600
75	69.1	184.8	23,200
80	67.4	182.8	15,900
85	65.8	180.5	9,600

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



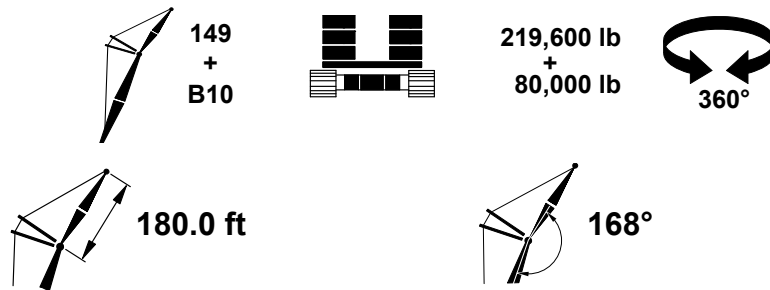
ft	o	ft	lb
17	83.0	87.3	379,800
18	82.3	87.2	365,500
19	81.5	87.0	344,200
20	80.8	86.8	324,800
22	79.4	86.4	291,000
24	77.9	85.9	262,400
26	76.4	85.4	237,800
28	74.9	84.8	216,600
30	73.4	84.2	198,000
32	71.9	83.5	180,400
34	70.4	82.8	158,600
36	68.8	82.0	140,200
38	67.3	81.1	124,400
40	65.7	80.2	110,800
42	64.1	79.2	98,800
44	62.5	78.1	88,300
46	60.8	76.9	78,900
48	59.1	75.7	70,600
50	57.4	74.4	63,000
55	53.0	70.7	46,000
58	50.1	68.2	35,500

ft	o	ft	lb
19	82.5	97.1	345,700
20	81.8	97.0	326,500
22	80.6	96.6	292,800
24	79.3	96.2	264,200
26	77.9	95.7	239,800
28	76.6	95.2	218,600
30	75.3	94.7	200,100
32	74.0	94.1	183,800
34	72.6	93.4	163,000
36	71.3	92.7	144,500
38	69.9	91.9	128,600
40	68.6	91.1	114,900
42	67.2	90.3	102,900
44	65.8	89.3	92,300
46	64.3	88.3	82,900
48	62.9	87.3	74,400
50	61.4	86.2	66,900
55	57.7	83.1	50,200
60	53.8	79.5	35,700
64	50.5	76.2	26,000

ft	o	ft	lb
20	82.7	107.1	280,400
22	81.5	106.8	271,500
24	80.3	106.4	263,100
26	79.2	106.0	241,800
28	78.0	105.5	220,700
30	76.8	105.0	202,200
32	75.6	104.5	185,900
34	74.4	103.9	166,600
36	73.2	103.3	148,100
38	72.0	102.6	132,200
40	70.8	101.9	118,400
42	69.6	101.1	106,400
44	68.3	100.3	95,700
46	67.1	99.4	86,300
48	65.8	98.5	77,800
50	64.6	97.5	70,200
55	61.3	94.8	53,800
60	57.9	91.7	39,400
65	54.4	88.2	27,500
70	50.8	84.2	17,600
71	50.0	83.3	15,800

MLC250 S-3

ASME B30.5



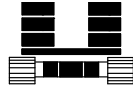
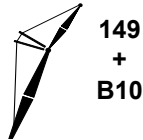
110.0 ft			
ft	°	ft	lb
21	82.8	117.0	256,200
22	82.3	116.9	252,300
24	81.2	116.6	244,600
26	80.2	116.2	237,300
28	79.1	115.8	221,700
30	78.0	115.3	203,300
32	77.0	114.8	187,000
34	75.9	114.3	169,400
36	74.8	113.8	150,700
38	73.7	113.1	134,800
40	72.6	112.5	120,900
42	71.5	111.8	108,800
44	70.4	111.1	98,100
46	69.3	110.3	88,700
48	68.2	109.5	80,200
50	67.0	108.6	72,500
55	64.1	106.2	56,000
60	61.2	103.5	41,700
65	58.1	100.4	29,800
70	55.0	97.0	19,800
75	51.7	93.1	11,300
77	50.3	91.4	8,300

120.0 ft			
ft	°	ft	lb
22	82.9	127.0	247,700
24	82.0	126.7	241,000
26	81.0	126.4	234,500
28	80.0	126.0	223,000
30	79.1	125.6	204,600
32	78.1	125.1	188,400
34	77.1	124.7	171,800
36	76.1	124.1	153,100
38	75.1	123.6	137,100
40	74.1	123.0	123,200
42	73.1	122.4	111,100
44	72.1	121.7	100,400
46	71.1	121.0	90,900
48	70.1	120.2	82,400
50	69.1	119.5	74,700
55	66.5	117.3	58,200
60	63.8	114.9	43,900
65	61.1	112.1	32,000
70	58.3	109.1	22,100
75	55.4	105.7	13,600
80	52.4	101.9	6,300

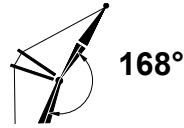
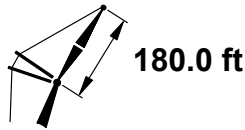
130.0 ft			
ft	°	ft	lb
24	82.6	136.8	227,000
26	81.7	136.5	221,100
28	80.8	136.2	215,500
30	79.9	135.8	205,400
32	79.0	135.4	189,200
34	78.1	134.9	173,700
36	77.2	134.5	155,000
38	76.3	133.9	139,000
40	75.4	133.4	125,100
42	74.5	132.8	112,900
44	73.5	132.2	102,200
46	72.6	131.6	92,600
48	71.7	130.9	84,100
50	70.7	130.2	76,400
55	68.4	128.2	59,800
60	66.0	126.0	45,500
65	63.5	123.5	33,700
70	61.0	120.8	23,700
75	58.4	117.8	15,300
80	55.8	114.4	8,000

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



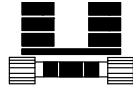
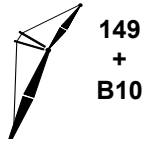
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	218,200
26	82.3	146.6	215,700
28	81.5	146.3	210,700
30	80.6	146.0	205,800
32	79.8	145.6	190,100
34	79.0	145.2	175,400
36	78.1	144.7	156,700
38	77.3	144.3	140,600
40	76.5	143.8	126,600
42	75.6	143.2	114,500
44	74.8	142.7	103,700
46	73.9	142.1	94,100
48	73.0	141.4	85,600
50	72.2	140.8	77,900
55	70.0	139.0	61,000
60	67.8	137.0	46,800
65	65.6	134.7	35,000
70	63.3	132.2	25,100
75	60.9	129.5	16,700
80	58.5	126.4	9,400

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	197,200
28	82.0	156.4	191,200
30	81.3	156.1	185,400
32	80.5	155.8	179,800
34	79.7	155.4	174,400
36	78.9	155.0	157,900
38	78.2	154.5	141,800
40	77.4	154.1	127,800
42	76.6	153.6	115,600
44	75.8	153.0	104,800
46	75.0	152.5	95,200
48	74.2	151.9	86,600
50	73.4	151.3	78,900
55	71.4	149.6	61,600
60	69.4	147.8	47,400
65	67.3	145.7	35,700
70	65.2	143.4	25,800
75	63.0	140.9	17,400
80	60.9	138.1	10,100

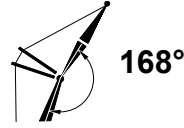
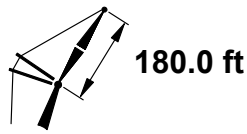
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	184,000
28	82.5	166.5	181,200
30	81.8	166.2	175,600
32	81.1	165.9	170,200
34	80.4	165.6	164,900
36	79.6	165.2	159,100
38	78.9	164.8	142,900
40	78.2	164.3	128,900
42	77.4	163.9	116,700
44	76.7	163.4	105,800
46	76.0	162.9	96,200
48	75.2	162.3	87,700
50	74.5	161.7	79,700
55	72.6	160.2	62,300
60	70.7	158.5	48,200
65	68.8	156.5	36,500
70	66.8	154.4	26,600
75	64.9	152.1	18,200
80	62.9	149.5	11,000

MLC250 S-3

ASME B30.5



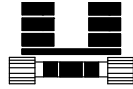
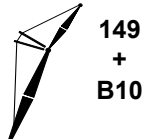
219,600 lb
+
80,000 lb



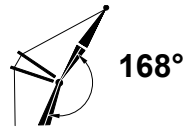
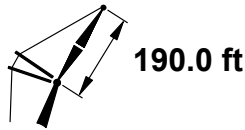
170.0 ft			
ft	o	ft	lb
28	83.0	176.6	167,100
30	82.3	176.4	162,500
32	81.6	176.0	157,900
34	80.9	175.7	153,500
36	80.3	175.4	149,200
38	79.6	175.0	143,800
40	78.9	174.6	129,800
42	78.2	174.1	117,500
44	77.5	173.7	106,700
46	76.8	173.2	97,100
48	76.1	172.7	88,200
50	75.4	172.1	80,100
55	73.7	170.7	62,700
60	71.9	169.1	48,600
65	70.1	167.3	37,000
70	68.3	165.3	27,100
75	66.4	163.1	18,800
80	64.6	160.8	11,500
85	62.7	158.2	5,200

180.0 ft			
ft	o	ft	lb
30	82.7	186.5	152,700
32	82.1	186.2	148,300
34	81.5	185.8	144,100
36	80.8	185.5	140,000
38	80.2	185.2	135,900
40	79.5	184.8	130,300
42	78.9	184.4	118,000
44	78.2	183.9	107,100
46	77.6	183.5	97,200
48	76.9	183.0	88,300
50	76.2	182.5	80,300
55	74.6	181.1	63,000
60	72.9	179.6	49,000
65	71.3	177.9	37,400
70	69.6	176.1	27,600
75	67.8	174.0	19,200
80	66.1	171.8	12,000
85	64.3	169.4	5,700

190.0 ft			
ft	o	ft	lb
31	82.8	196.4	118,000
32	82.5	196.3	118,000
34	81.9	196.0	118,000
36	81.3	195.7	118,000
38	80.7	195.3	118,000
40	80.1	194.9	118,000
42	79.5	194.6	117,800
44	78.8	194.2	106,900
46	78.2	193.7	97,100
48	77.6	193.3	88,200
50	77.0	192.8	80,200
55	75.4	191.5	63,000
60	73.9	190.1	49,000
65	72.3	188.5	37,400
70	70.7	186.7	27,600
75	69.1	184.8	19,300
80	67.4	182.8	12,100
85	65.8	180.5	5,800



219,600 lb
+
80,000 lb



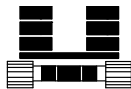
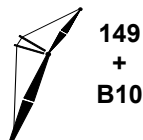
ft	o	ft	lb
17	83.0	87.3	373,700
18	82.3	87.2	361,700
19	81.5	87.0	340,500
20	80.8	86.8	321,200
22	79.4	86.4	287,400
24	77.9	85.9	258,900
26	76.4	85.4	234,400
28	74.9	84.8	213,200
30	73.4	84.2	194,600
32	71.9	83.5	175,400
34	70.4	82.8	153,800
36	68.8	82.0	135,600
38	67.3	81.1	120,000
40	65.7	80.2	106,400
42	64.1	79.2	94,600
44	62.5	78.1	84,200
46	60.8	76.9	74,900
48	59.1	75.7	66,600
50	57.4	74.4	58,900
55	53.0	70.7	41,200
58	50.1	68.2	31,100

ft	o	ft	lb
19	82.5	97.1	342,200
20	81.8	97.0	323,000
22	80.6	96.6	289,400
24	79.3	96.2	260,900
26	77.9	95.7	236,500
28	76.6	95.2	215,400
30	75.3	94.7	196,900
32	74.0	94.1	180,200
34	72.6	93.4	158,500
36	71.3	92.7	140,200
38	69.9	91.9	124,400
40	68.6	91.1	110,800
42	67.2	90.3	98,900
44	65.8	89.3	88,400
46	64.3	88.3	79,100
48	62.9	87.3	70,700
50	61.4	86.2	63,200
55	57.7	83.1	45,600
60	53.8	79.5	31,400
64	50.5	76.2	21,800

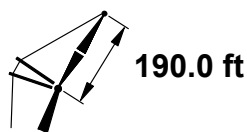
ft	o	ft	lb
20	82.7	107.1	275,200
22	81.5	106.8	266,200
24	80.3	106.4	257,600
26	79.2	106.0	238,700
28	78.0	105.5	217,600
30	76.8	105.0	199,200
32	75.6	104.5	183,000
34	74.4	103.9	162,400
36	73.2	103.3	144,000
38	72.0	102.6	128,200
40	70.8	101.9	114,600
42	69.6	101.1	102,600
44	68.3	100.3	92,100
46	67.1	99.4	82,700
48	65.8	98.5	74,400
50	64.6	97.5	66,800
55	61.3	94.8	49,600
60	57.9	91.7	35,300
65	54.4	88.2	23,500
70	50.8	84.2	13,700
71	50.0	83.3	11,900

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



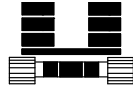
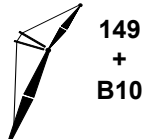
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	251,400
22	82.3	116.9	247,400
24	81.2	116.6	239,700
26	80.2	116.2	232,300
28	79.1	115.8	218,800
30	78.0	115.3	200,400
32	77.0	114.8	184,200
34	75.9	114.3	165,300
36	74.8	113.8	146,800
38	73.7	113.1	131,000
40	72.6	112.5	117,300
42	71.5	111.8	105,300
44	70.4	111.1	94,700
46	69.3	110.3	85,300
48	68.2	109.5	76,900
50	67.0	108.6	69,300
55	64.1	106.2	52,000
60	61.2	103.5	37,800
65	58.1	100.4	26,000
70	55.0	97.0	16,200
75	51.7	93.1	7,800

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	243,400
24	82.0	126.7	236,500
26	81.0	126.4	229,900
28	80.0	126.0	220,100
30	79.1	125.6	201,800
32	78.1	125.1	185,700
34	77.1	124.7	167,900
36	76.1	124.1	149,400
38	75.1	123.6	133,500
40	74.1	123.0	119,700
42	73.1	122.4	107,700
44	72.1	121.7	97,100
46	71.1	121.0	87,700
48	70.1	120.2	79,200
50	69.1	119.5	71,600
55	66.5	117.3	54,400
60	63.8	114.9	40,200
65	61.1	112.1	28,400
70	58.3	109.1	18,600
75	55.4	105.7	10,200

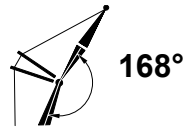
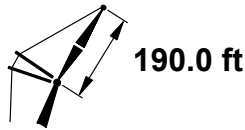
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	223,000
26	81.7	136.5	217,100
28	80.8	136.2	211,400
30	79.9	135.8	202,700
32	79.0	135.4	186,600
34	78.1	134.9	170,000
36	77.2	134.5	151,400
38	76.3	133.9	135,500
40	75.4	133.4	121,700
42	74.5	132.8	109,700
44	73.5	132.2	99,000
46	72.6	131.6	89,600
48	71.7	130.9	81,100
50	70.7	130.2	73,500
55	68.4	128.2	56,100
60	66.0	126.0	41,900
65	63.5	123.5	30,200
70	61.0	120.8	20,400
75	58.4	117.8	12,100

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



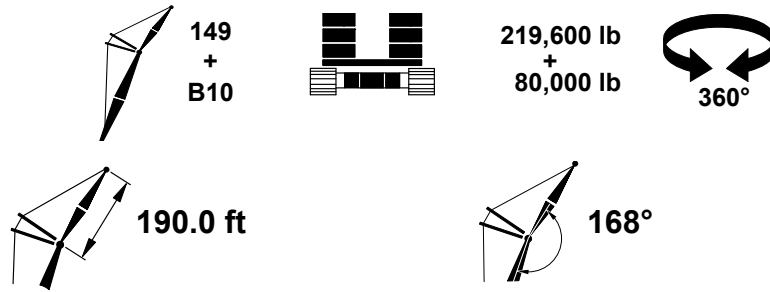
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	214,500
26	82.3	146.6	211,900
28	81.5	146.3	206,900
30	80.6	146.0	202,100
32	79.8	145.6	187,500
34	79.0	145.2	171,800
36	78.1	144.7	153,200
38	77.3	144.3	137,200
40	76.5	143.8	123,400
42	75.6	143.2	111,300
44	74.8	142.7	100,700
46	73.9	142.1	91,200
48	73.0	141.4	82,700
50	72.2	140.8	74,900
55	70.0	139.0	57,500
60	67.8	137.0	43,400
65	65.6	134.7	31,700
70	63.3	132.2	21,900
75	60.9	129.5	13,600
80	58.5	126.4	6,400

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	193,900
28	82.0	156.4	188,600
30	81.3	156.1	182,800
32	80.5	155.8	177,200
34	79.7	155.4	171,700
36	78.9	155.0	154,500
38	78.2	154.5	138,500
40	77.4	154.1	124,700
42	76.6	153.6	112,600
44	75.8	153.0	101,900
46	75.0	152.5	92,300
48	74.2	151.9	83,700
50	73.4	151.3	75,600
55	71.4	149.6	58,200
60	69.4	147.8	44,200
65	67.3	145.7	32,500
70	65.2	143.4	22,700
75	63.0	140.9	14,400
80	60.9	138.1	7,200

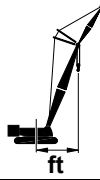

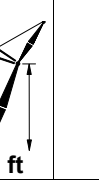

160.0 ft			
ft	o	ft	lb
27	82.9	166.7	181,400
28	82.5	166.5	178,500
30	81.8	166.2	172,900
32	81.1	165.9	167,500
34	80.4	165.6	162,200
36	79.6	165.2	155,800
38	78.9	164.8	139,800
40	78.2	164.3	125,900
42	77.4	163.9	113,700
44	76.7	163.4	103,000
46	76.0	162.9	93,300
48	75.2	162.3	84,400
50	74.5	161.7	76,300
55	72.6	160.2	59,000
60	70.7	158.5	45,000
65	68.8	156.5	33,400
70	66.8	154.4	23,700
75	64.9	152.1	15,300
80	62.9	149.5	8,200

MLC250 S-3

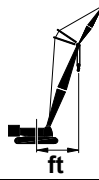

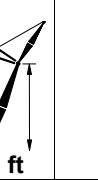

ASME B30.5



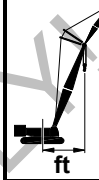
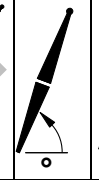
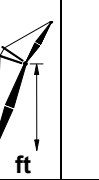

170.0 ft

	 ft	 °	 ft	 lb
28	83.0	176.6	164,500	
30	82.3	176.4	159,900	
32	81.6	176.0	155,400	
34	80.9	175.7	151,000	
36	80.3	175.4	146,600	
38	79.6	175.0	140,400	
40	78.9	174.6	126,600	
42	78.2	174.1	114,300	
44	77.5	173.7	103,400	
46	76.8	173.2	93,600	
48	76.1	172.7	84,700	
50	75.4	172.1	76,700	
55	73.7	170.7	59,500	
60	71.9	169.1	45,600	
65	70.1	167.3	34,000	
70	68.3	165.3	24,300	
75	66.4	163.1	16,000	
80	64.6	160.8	8,800	

180.0 ft

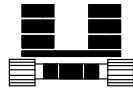
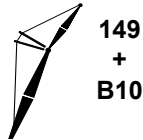
	 ft	 °	 ft	 lb
30	82.7	186.5	150,000	
32	82.1	186.2	145,700	
34	81.5	185.8	141,400	
36	80.8	185.5	137,300	
38	80.2	185.2	133,300	
40	79.5	184.8	126,600	
42	78.9	184.4	114,400	
44	78.2	183.9	103,600	
46	77.6	183.5	93,800	
48	76.9	183.0	85,000	
50	76.2	182.5	77,000	
55	74.6	181.1	59,900	
60	72.9	179.6	46,000	
65	71.3	177.9	34,500	
70	69.6	176.1	24,800	
75	67.8	174.0	16,500	
80	66.1	171.8	9,400	

190.0 ft

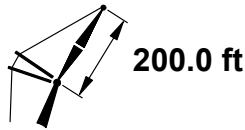
	 ft	 °	 ft	 lb
31	82.8	196.4	118,000	
32	82.5	196.3	118,000	
34	81.9	196.0	118,000	
36	81.3	195.7	118,000	
38	80.7	195.3	118,000	
40	80.1	194.9	118,000	
42	79.5	194.6	114,200	
44	78.8	194.2	103,400	
46	78.2	193.7	93,700	
48	77.6	193.3	85,000	
50	77.0	192.8	77,000	
55	75.4	191.5	59,900	
60	73.9	190.1	46,100	
65	72.3	188.5	34,600	
70	70.7	186.7	24,900	
75	69.1	184.8	16,700	
80	67.4	182.8	9,500	

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



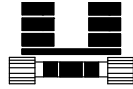
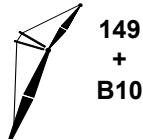
ft	o	ft	lb
17	83.0	87.3	366,600
18	82.3	87.2	356,600
19	81.5	87.0	335,500
20	80.8	86.8	316,200
22	79.4	86.4	282,500
24	77.9	85.9	254,000
26	76.4	85.4	229,600
28	74.9	84.8	208,500
30	73.4	84.2	190,000
32	71.9	83.5	168,800
34	70.4	82.8	147,500
36	68.8	82.0	129,500
38	67.3	81.1	114,000
40	65.7	80.2	100,600
42	64.1	79.2	88,900
44	62.5	78.1	78,600
46	60.8	76.9	69,300
48	59.1	75.7	60,200
50	57.4	74.4	51,900
55	53.0	70.7	34,500
58	50.1	68.2	24,900

ft	o	ft	lb
19	82.5	97.1	337,400
20	81.8	97.0	318,200
22	80.6	96.6	284,700
24	79.3	96.2	256,300
26	77.9	95.7	232,000
28	76.6	95.2	210,900
30	75.3	94.7	192,500
32	74.0	94.1	174,000
34	72.6	93.4	152,500
36	71.3	92.7	134,400
38	69.9	91.9	118,800
40	68.6	91.1	105,300
42	67.2	90.3	93,500
44	65.8	89.3	83,100
46	64.3	88.3	73,900
48	62.9	87.3	65,100
50	61.4	86.2	56,800
55	57.7	83.1	39,300
60	53.8	79.5	25,200
64	50.5	76.2	15,800

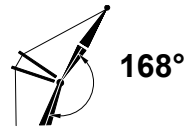
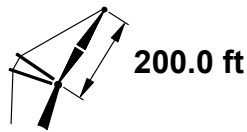
ft	o	ft	lb
20	82.7	107.1	269,000
22	81.5	106.8	259,800
24	80.3	106.4	251,100
26	79.2	106.0	234,300
28	78.0	105.5	213,300
30	76.8	105.0	195,000
32	75.6	104.5	178,200
34	74.4	103.9	156,700
36	73.2	103.3	138,500
38	72.0	102.6	122,900
40	70.8	101.9	109,400
42	69.6	101.1	97,500
44	68.3	100.3	87,100
46	67.1	99.4	77,800
48	65.8	98.5	69,200
50	64.6	97.5	61,000
55	61.3	94.8	43,600
60	57.9	91.7	29,500
65	54.4	88.2	17,900
70	50.8	84.2	8,100
71	50.0	83.3	6,400

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



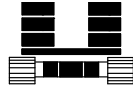
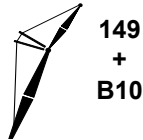
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	245,700
22	82.3	116.9	241,700
24	81.2	116.6	233,800
26	80.2	116.2	226,300
28	79.1	115.8	214,600
30	78.0	115.3	196,300
32	77.0	114.8	180,200
34	75.9	114.3	159,800
36	74.8	113.8	141,600
38	73.7	113.1	125,900
40	72.6	112.5	112,300
42	71.5	111.8	100,400
44	70.4	111.1	89,900
46	69.3	110.3	80,600
48	68.2	109.5	71,900
50	67.0	108.6	63,800
55	64.1	106.2	46,300
60	61.2	103.5	32,200
65	58.1	100.4	20,600
70	55.0	97.0	10,900

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	238,100
24	82.0	126.7	231,200
26	81.0	126.4	224,500
28	80.0	126.0	216,100
30	79.1	125.6	197,900
32	78.1	125.1	181,700
34	77.1	124.7	162,600
36	76.1	124.1	144,300
38	75.1	123.6	128,600
40	74.1	123.0	114,900
42	73.1	122.4	103,000
44	72.1	121.7	92,500
46	71.1	121.0	83,200
48	70.1	120.2	74,400
50	69.1	119.5	66,300
55	66.5	117.3	48,900
60	63.8	114.9	34,900
65	61.1	112.1	23,300
70	58.3	109.1	13,500
75	55.4	105.7	5,200

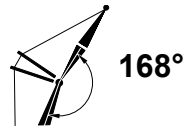
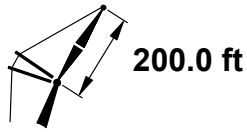
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	218,100
26	81.7	136.5	212,200
28	80.8	136.2	206,400
30	79.9	135.8	198,900
32	79.0	135.4	182,800
34	78.1	134.9	164,900
36	77.2	134.5	146,500
38	76.3	133.9	130,700
40	75.4	133.4	117,100
42	74.5	132.8	105,100
44	73.5	132.2	94,600
46	72.6	131.6	85,200
48	71.7	130.9	76,200
50	70.7	130.2	68,100
55	68.4	128.2	50,800
60	66.0	126.0	36,800
65	63.5	123.5	25,300
70	61.0	120.8	15,500
75	58.4	117.8	7,300

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



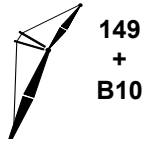
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	209,900
26	82.3	146.6	207,300
28	81.5	146.3	202,200
30	80.6	146.0	197,400
32	79.8	145.6	183,800
34	79.0	145.2	166,800
36	78.1	144.7	148,400
38	77.3	144.3	132,600
40	76.5	143.8	118,900
42	75.6	143.2	106,900
44	74.8	142.7	96,400
46	73.9	142.1	86,600
48	73.0	141.4	77,700
50	72.2	140.8	69,600
55	70.0	139.0	52,400
60	67.8	137.0	38,500
65	65.6	134.7	26,900
70	63.3	132.2	17,200
75	60.9	129.5	9,000

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	189,700
28	82.0	156.4	185,200
30	81.3	156.1	179,600
32	80.5	155.8	173,900
34	79.7	155.4	168,100
36	78.9	155.0	149,900
38	78.2	154.5	134,000
40	77.4	154.1	120,300
42	76.6	153.6	108,100
44	75.8	153.0	97,200
46	75.0	152.5	87,400
48	74.2	151.9	78,500
50	73.4	151.3	70,500
55	71.4	149.6	53,300
60	69.4	147.8	39,400
65	67.3	145.7	27,900
70	65.2	143.4	18,200
75	63.0	140.9	9,900

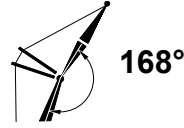
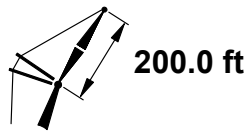
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	178,100
28	82.5	166.5	175,200
30	81.8	166.2	169,700
32	81.1	165.9	164,200
34	80.4	165.6	159,000
36	79.6	165.2	150,300
38	78.9	164.8	134,700
40	78.2	164.3	120,900
42	77.4	163.9	108,800
44	76.7	163.4	97,900
46	76.0	162.9	88,100
48	75.2	162.3	79,300
50	74.5	161.7	71,300
55	72.6	160.2	54,200
60	70.7	158.5	40,300
65	68.8	156.5	28,900
70	66.8	154.4	19,200
75	64.9	152.1	11,000

MLC250 S-3

ASME B30.5



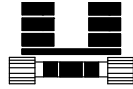
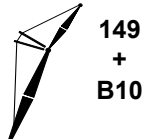
219,600 lb
+
80,000 lb



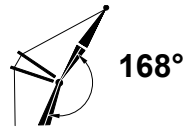
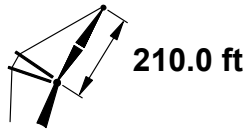
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	161,300
30	82.3	176.4	156,700
32	81.6	176.0	152,100
34	80.9	175.7	147,700
36	80.3	175.4	143,500
38	79.6	175.0	134,800
40	78.9	174.6	121,200
42	78.2	174.1	109,100
44	77.5	173.7	98,300
46	76.8	173.2	88,600
48	76.1	172.7	79,800
50	75.4	172.1	71,800
55	73.7	170.7	54,800
60	71.9	169.1	41,000
65	70.1	167.3	29,600
70	68.3	165.3	19,900
75	66.4	163.1	11,700

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	146,800
32	82.1	186.2	142,400
34	81.5	185.8	138,200
36	80.8	185.5	134,100
38	80.2	185.2	130,100
40	79.5	184.8	121,300
42	78.9	184.4	109,300
44	78.2	183.9	98,500
46	77.6	183.5	88,900
48	76.9	183.0	80,100
50	76.2	182.5	72,200
55	74.6	181.1	55,300
60	72.9	179.6	41,500
65	71.3	177.9	30,200
70	69.6	176.1	20,600
75	67.8	174.0	12,400
80	66.1	171.8	5,300

REFER TO MANUAL!



219,600 lb
+
80,000 lb



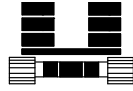
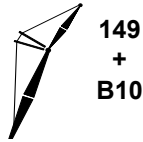
<p style="text-align: center;">80.0 ft</p>			
ft	o	ft	lb
17	83.0	87.3	360,800
18	82.3	87.2	351,900
19	81.5	87.0	330,800
20	80.8	86.8	311,600
22	79.4	86.4	278,000
24	77.9	85.9	249,600
26	76.4	85.4	225,200
28	74.9	84.8	204,100
30	73.4	84.2	185,700
32	71.9	83.5	162,700
34	70.4	82.8	141,500
36	68.8	82.0	123,700
38	67.3	81.1	108,400
40	65.7	80.2	95,100
42	64.1	79.2	83,600
44	62.5	78.1	72,700
46	60.8	76.9	62,700
48	59.1	75.7	53,700
50	57.4	74.4	45,500
55	53.0	70.7	28,300
58	50.1	68.2	19,300

<p style="text-align: center;">90.0 ft</p>			
ft	o	ft	lb
19	82.5	97.1	332,900
20	81.8	97.0	313,800
22	80.6	96.6	280,300
24	79.3	96.2	252,000
26	77.9	95.7	227,800
28	76.6	95.2	206,800
30	75.3	94.7	188,500
32	74.0	94.1	168,100
34	72.6	93.4	146,900
36	71.3	92.7	128,900
38	69.9	91.9	113,500
40	68.6	91.1	100,200
42	67.2	90.3	88,500
44	65.8	89.3	77,900
46	64.3	88.3	68,000
48	62.9	87.3	59,000
50	61.4	86.2	50,800
55	57.7	83.1	33,600
60	53.8	79.5	19,600
64	50.5	76.2	10,300

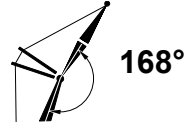
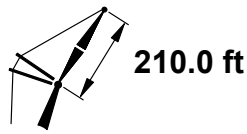
<p style="text-align: center;">100.0 ft</p>			
ft	o	ft	lb
20	82.7	107.1	263,900
22	81.5	106.8	254,600
24	80.3	106.4	245,700
26	79.2	106.0	230,300
28	78.0	105.5	209,400
30	76.8	105.0	191,100
32	75.6	104.5	172,700
34	74.4	103.9	151,400
36	73.2	103.3	133,400
38	72.0	102.6	117,900
40	70.8	101.9	104,500
42	69.6	101.1	92,800
44	68.3	100.3	82,400
46	67.1	99.4	72,400
48	65.8	98.5	63,500
50	64.6	97.5	55,400
55	61.3	94.8	38,100
60	57.9	91.7	24,200
65	54.4	88.2	12,700

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



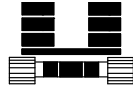
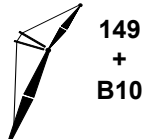
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	241,100
22	82.3	116.9	237,000
24	81.2	116.6	229,000
26	80.2	116.2	221,400
28	79.1	115.8	210,800
30	78.0	115.3	192,600
32	77.0	114.8	176,200
34	75.9	114.3	154,800
36	74.8	113.8	136,600
38	73.7	113.1	121,100
40	72.6	112.5	107,700
42	71.5	111.8	95,900
44	70.4	111.1	85,300
46	69.3	110.3	75,400
48	68.2	109.5	66,500
50	67.0	108.6	58,400
55	64.1	106.2	41,100
60	61.2	103.5	27,200
65	58.1	100.4	15,700
70	55.0	97.0	6,100

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	233,900
24	82.0	126.7	226,900
26	81.0	126.4	220,100
28	80.0	126.0	212,400
30	79.1	125.6	194,200
32	78.1	125.1	178,200
34	77.1	124.7	157,700
36	76.1	124.1	139,600
38	75.1	123.6	124,000
40	74.1	123.0	110,500
42	73.1	122.4	98,700
44	72.1	121.7	87,900
46	71.1	121.0	78,100
48	70.1	120.2	69,200
50	69.1	119.5	61,100
55	66.5	117.3	43,900
60	63.8	114.9	30,100
65	61.1	112.1	18,600
70	58.3	109.1	9,000

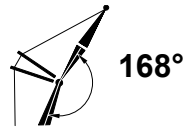
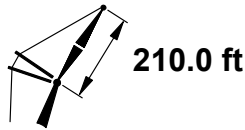
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	214,200
26	81.7	136.5	208,200
28	80.8	136.2	202,400
30	79.9	135.8	195,400
32	79.0	135.4	179,400
34	78.1	134.9	160,200
36	77.2	134.5	141,900
38	76.3	133.9	126,300
40	75.4	133.4	112,800
42	74.5	132.8	100,800
44	73.5	132.2	89,900
46	72.6	131.6	80,000
48	71.7	130.9	71,200
50	70.7	130.2	63,200
55	68.4	128.2	46,100
60	66.0	126.0	32,200
65	63.5	123.5	20,800
70	61.0	120.8	11,200

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



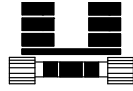
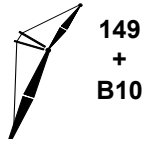
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	206,300
26	82.3	146.6	203,700
28	81.5	146.3	198,600
30	80.6	146.0	193,700
32	79.8	145.6	180,500
34	79.0	145.2	162,000
36	78.1	144.7	144,000
38	77.3	144.3	128,300
40	76.5	143.8	114,500
42	75.6	143.2	102,300
44	74.8	142.7	91,400
46	73.9	142.1	81,600
48	73.0	141.4	72,800
50	72.2	140.8	64,900
55	70.0	139.0	47,800
60	67.8	137.0	34,000
65	65.6	134.7	22,600
70	63.3	132.2	13,000

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	186,400
28	82.0	156.4	181,900
30	81.3	156.1	177,100
32	80.5	155.8	171,500
34	79.7	155.4	162,400
36	78.9	155.0	144,500
38	78.2	154.5	128,900
40	77.4	154.1	115,200
42	76.6	153.6	103,100
44	75.8	153.0	92,300
46	75.0	152.5	82,500
48	74.2	151.9	73,800
50	73.4	151.3	65,800
55	71.4	149.6	48,800
60	69.4	147.8	35,100
65	67.3	145.7	23,700
70	65.2	143.4	14,100
75	63.0	140.9	6,000

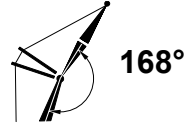
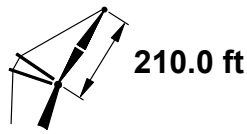
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	175,500
28	82.5	166.5	172,700
30	81.8	166.2	167,100
32	81.1	165.9	161,700
34	80.4	165.6	156,400
36	79.6	165.2	145,000
38	78.9	164.8	129,500
40	78.2	164.3	115,900
42	77.4	163.9	103,900
44	76.7	163.4	93,100
46	76.0	162.9	83,400
48	75.2	162.3	74,700
50	74.5	161.7	66,800
55	72.6	160.2	49,900
60	70.7	158.5	36,200
65	68.8	156.5	24,800
70	66.8	154.4	15,300
75	64.9	152.1	7,100

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



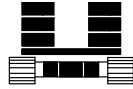
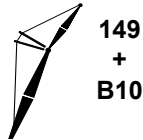
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	158,800
30	82.3	176.4	154,200
32	81.6	176.0	149,700
34	80.9	175.7	145,300
36	80.3	175.4	141,000
38	79.6	175.0	129,800
40	78.9	174.6	116,300
42	78.2	174.1	104,300
44	77.5	173.7	93,600
46	76.8	173.2	84,000
48	76.1	172.7	75,300
50	75.4	172.1	67,400
55	73.7	170.7	50,600
60	71.9	169.1	36,900
65	70.1	167.3	25,600
70	68.3	165.3	16,100
75	66.4	163.1	8,000

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	144,300
32	82.1	186.2	140,000
34	81.5	185.8	135,700
36	80.8	185.5	131,600
38	80.2	185.2	127,600
40	79.5	184.8	116,500
42	78.9	184.4	104,600
44	78.2	183.9	94,000
46	77.6	183.5	84,400
48	76.9	183.0	75,800
50	76.2	182.5	68,000
55	74.6	181.1	51,200
60	72.9	179.6	37,600
65	71.3	177.9	26,300
70	69.6	176.1	16,800
75	67.8	174.0	8,700

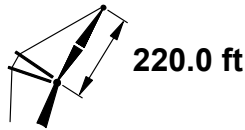
REFER TO MANITOWOC CRANES ONLY!

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



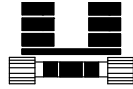
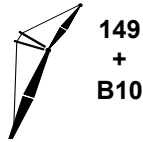
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	353,200
18	82.3	87.2	346,500
19	81.5	87.0	325,500
20	80.8	86.8	306,300
22	79.4	86.4	272,800
24	77.9	85.9	244,500
26	76.4	85.4	220,200
28	74.9	84.8	199,200
30	73.4	84.2	180,800
32	71.9	83.5	155,700
34	70.4	82.8	134,800
36	68.8	82.0	117,200
38	67.3	81.1	102,100
40	65.7	80.2	88,400
42	64.1	79.2	76,000
44	62.5	78.1	65,000
46	60.8	76.9	55,100
48	59.1	75.7	46,200
50	57.4	74.4	38,200
55	53.0	70.7	21,200
58	50.1	68.2	12,600

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	327,700
20	81.8	97.0	308,700
22	80.6	96.6	275,400
24	79.3	96.2	247,200
26	77.9	95.7	223,000
28	76.6	95.2	202,100
30	75.3	94.7	183,800
32	74.0	94.1	161,600
34	72.6	93.4	140,600
36	71.3	92.7	122,800
38	69.9	91.9	107,600
40	68.6	91.1	94,100
42	67.2	90.3	81,700
44	65.8	89.3	70,700
46	64.3	88.3	60,900
48	62.9	87.3	52,000
50	61.4	86.2	44,000
55	57.7	83.1	26,900
60	53.8	79.5	13,200

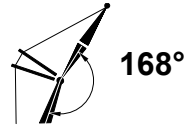
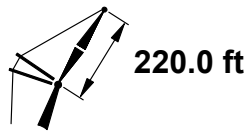
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	257,300
22	81.5	106.8	247,900
24	80.3	106.4	238,900
26	79.2	106.0	225,700
28	78.0	105.5	204,800
30	76.8	105.0	186,600
32	75.6	104.5	166,400
34	74.4	103.9	145,400
36	73.2	103.3	127,500
38	72.0	102.6	112,200
40	70.8	101.9	98,900
42	69.6	101.1	86,500
44	68.3	100.3	75,500
46	67.1	99.4	65,700
48	65.8	98.5	56,900
50	64.6	97.5	48,900
55	61.3	94.8	31,800
60	57.9	91.7	18,100
65	54.4	88.2	6,800

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



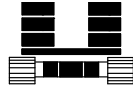
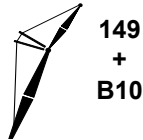
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	235,100
22	82.3	116.9	230,900
24	81.2	116.6	222,800
26	80.2	116.2	215,100
28	79.1	115.8	206,500
30	78.0	115.3	188,300
32	77.0	114.8	170,200
34	75.9	114.3	149,000
36	74.8	113.8	131,000
38	73.7	113.1	115,700
40	72.6	112.5	102,000
42	71.5	111.8	89,700
44	70.4	111.1	78,800
46	69.3	110.3	69,000
48	68.2	109.5	60,200
50	67.0	108.6	52,200
55	64.1	106.2	35,100
60	61.2	103.5	21,400
65	58.1	100.4	10,100

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	228,300
24	82.0	126.7	221,300
26	81.0	126.4	214,400
28	80.0	126.0	207,900
30	79.1	125.6	190,100
32	78.1	125.1	173,400
34	77.1	124.7	152,100
36	76.1	124.1	134,200
38	75.1	123.6	118,600
40	74.1	123.0	104,700
42	73.1	122.4	92,500
44	72.1	121.7	81,600
46	71.1	121.0	71,900
48	70.1	120.2	63,100
50	69.1	119.5	55,200
55	66.5	117.3	38,200
60	63.8	114.9	24,500
65	61.1	112.1	13,200

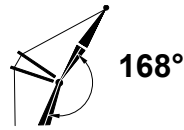
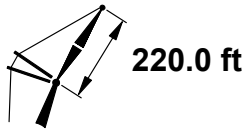
130.0 ft			
ft	o	ft	lb
24	82.6	136.8	209,100
26	81.7	136.5	203,000
28	80.8	136.2	197,200
30	79.9	135.8	191,300
32	79.0	135.4	175,000
34	78.1	134.9	154,100
36	77.2	134.5	136,100
38	76.3	133.9	120,500
40	75.4	133.4	106,800
42	74.5	132.8	94,600
44	73.5	132.2	83,800
46	72.6	131.6	74,100
48	71.7	130.9	65,400
50	70.7	130.2	57,400
55	68.4	128.2	40,500
60	66.0	126.0	26,800
65	63.5	123.5	15,500
70	61.0	120.8	6,100

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



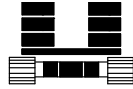
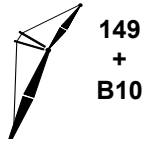
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	201,400
26	82.3	146.6	198,800
28	81.5	146.3	193,600
30	80.6	146.0	188,700
32	79.8	145.6	176,000
34	79.0	145.2	155,300
36	78.1	144.7	137,500
38	77.3	144.3	122,000
40	76.5	143.8	108,400
42	75.6	143.2	96,300
44	74.8	142.7	85,500
46	73.9	142.1	75,900
48	73.0	141.4	67,200
50	72.2	140.8	59,300
55	70.0	139.0	42,500
60	67.8	137.0	28,800
65	65.6	134.7	17,600
70	63.3	132.2	8,100

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	181,900
28	82.0	156.4	177,400
30	81.3	156.1	172,900
32	80.5	155.8	168,100
34	79.7	155.4	156,000
36	78.9	155.0	138,300
38	78.2	154.5	122,800
40	77.4	154.1	109,300
42	76.6	153.6	97,300
44	75.8	153.0	86,600
46	75.0	152.5	77,000
48	74.2	151.9	68,300
50	73.4	151.3	60,400
55	71.4	149.6	43,600
60	69.4	147.8	30,000
65	67.3	145.7	18,800
70	65.2	143.4	9,300

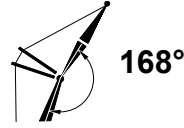
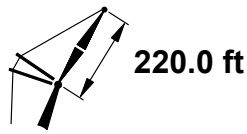
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	172,000
28	82.5	166.5	169,200
30	81.8	166.2	163,700
32	81.1	165.9	158,200
34	80.4	165.6	152,900
36	79.6	165.2	138,900
38	78.9	164.8	123,600
40	78.2	164.3	110,100
42	77.4	163.9	98,200
44	76.7	163.4	87,500
46	76.0	162.9	78,000
48	75.2	162.3	69,400
50	74.5	161.7	61,500
55	72.6	160.2	44,800
60	70.7	158.5	31,300
65	68.8	156.5	20,100
70	66.8	154.4	10,600

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



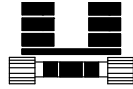
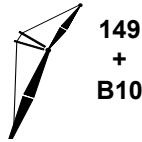
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	155,400
30	82.3	176.4	150,800
32	81.6	176.0	146,300
34	80.9	175.7	141,900
36	80.3	175.4	137,600
38	79.6	175.0	124,000
40	78.9	174.6	110,600
42	78.2	174.1	98,800
44	77.5	173.7	88,200
46	76.8	173.2	78,700
48	76.1	172.7	70,100
50	75.4	172.1	62,300
55	73.7	170.7	45,700
60	71.9	169.1	32,200
65	70.1	167.3	21,000
70	68.3	165.3	11,600

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	118,000
32	82.1	186.2	118,000
34	81.5	185.8	118,000
36	80.8	185.5	118,000
38	80.2	185.2	118,000
40	79.5	184.8	110,900
42	78.9	184.4	99,200
44	78.2	183.9	88,700
46	77.6	183.5	79,200
48	76.9	183.0	70,700
50	76.2	182.5	62,900
55	74.6	181.1	46,400
60	72.9	179.6	32,900
65	71.3	177.9	21,800
70	69.6	176.1	12,400

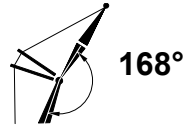
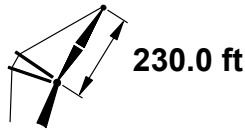
REFER TO MANUAL!

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



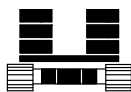
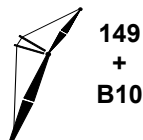
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	346,000
18	82.3	87.2	339,800
19	81.5	87.0	320,900
20	80.8	86.8	301,800
22	79.4	86.4	268,400
24	77.9	85.9	240,100
26	76.4	85.4	215,900
28	74.9	84.8	195,000
30	73.4	84.2	174,400
32	71.9	83.5	149,600
34	70.4	82.8	129,000
36	68.8	82.0	111,400
38	67.3	81.1	95,500
40	65.7	80.2	81,600
42	64.1	79.2	69,400
44	62.5	78.1	58,500
46	60.8	76.9	48,800
48	59.1	75.7	40,000
50	57.4	74.4	32,100
55	53.0	70.7	15,300
58	50.1	68.2	6,900

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	323,300
20	81.8	97.0	304,300
22	80.6	96.6	271,100
24	79.3	96.2	243,000
26	77.9	95.7	219,000
28	76.6	95.2	198,100
30	75.3	94.7	179,900
32	74.0	94.1	155,800
34	72.6	93.4	135,100
36	71.3	92.7	117,500
38	69.9	91.9	101,600
40	68.6	91.1	87,800
42	67.2	90.3	75,500
44	65.8	89.3	64,600
46	64.3	88.3	54,900
48	62.9	87.3	46,200
50	61.4	86.2	38,200
55	57.7	83.1	21,400
60	53.8	79.5	7,900

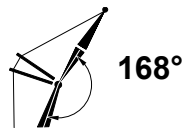
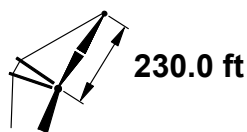
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	251,100
22	81.5	106.8	241,600
24	80.3	106.4	232,400
26	79.2	106.0	221,800
28	78.0	105.5	201,100
30	76.8	105.0	182,900
32	75.6	104.5	161,000
34	74.4	103.9	140,100
36	73.2	103.3	122,400
38	72.0	102.6	106,600
40	70.8	101.9	92,800
42	69.6	101.1	80,600
44	68.3	100.3	69,800
46	67.1	99.4	60,100
48	65.8	98.5	51,400
50	64.6	97.5	43,500
55	61.3	94.8	26,700
60	57.9	91.7	13,100

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ASME B30.5



219,600 lb
+
80,000 lb



110.0 ft

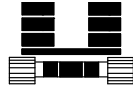
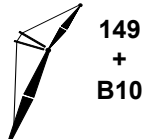
	ft	°	ft	lb
21	82.8	117.0	229,400	
22	82.3	116.9	225,100	
24	81.2	116.6	217,000	
26	80.2	116.2	209,100	
28	79.1	115.8	201,600	
30	78.0	115.3	184,700	
32	77.0	114.8	164,600	
34	75.9	114.3	143,700	
36	74.8	113.8	125,600	
38	73.7	113.1	110,000	
40	72.6	112.5	96,300	
42	71.5	111.8	84,100	
44	70.4	111.1	73,300	
46	69.3	110.3	63,600	
48	68.2	109.5	54,900	
50	67.0	108.6	47,000	
55	64.1	106.2	30,200	
60	61.2	103.5	16,700	
65	58.1	100.4	5,500	

120.0 ft

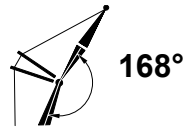
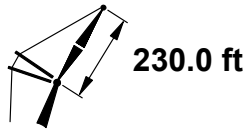
	ft	°	ft	lb
22	82.9	127.0	223,200	
24	82.0	126.7	215,900	
26	81.0	126.4	209,100	
28	80.0	126.0	202,400	
30	79.1	125.6	186,600	
32	78.1	125.1	167,100	
34	77.1	124.7	146,300	
36	76.1	124.1	128,400	
38	75.1	123.6	112,900	
40	74.1	123.0	99,200	
42	73.1	122.4	87,200	
44	72.1	121.7	76,400	
46	71.1	121.0	66,800	
48	70.1	120.2	58,100	
50	69.1	119.5	50,300	
55	66.5	117.3	33,500	
60	63.8	114.9	20,000	
65	61.1	112.1	8,800	

130.0 ft

	ft	°	ft	lb
24	82.6	136.8	204,300	
26	81.7	136.5	198,200	
28	80.8	136.2	192,200	
30	79.9	135.8	186,500	
32	79.0	135.4	168,900	
34	78.1	134.9	148,200	
36	77.2	134.5	130,500	
38	76.3	133.9	115,000	
40	75.4	133.4	101,500	
42	74.5	132.8	89,500	
44	73.5	132.2	78,800	
46	72.6	131.6	69,200	
48	71.7	130.9	60,600	
50	70.7	130.2	52,700	
55	68.4	128.2	36,000	
60	66.0	126.0	22,500	
65	63.5	123.5	11,400	



219,600 lb
+
80,000 lb



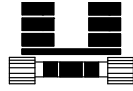
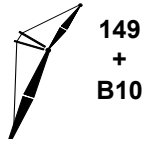
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	196,900
26	82.3	146.6	194,300
28	81.5	146.3	189,100
30	80.6	146.0	184,000
32	79.8	145.6	170,100
34	79.0	145.2	149,700
36	78.1	144.7	132,000
38	77.3	144.3	116,700
40	76.5	143.8	103,200
42	75.6	143.2	91,300
44	74.8	142.7	80,700
46	73.9	142.1	71,200
48	73.0	141.4	62,600
50	72.2	140.8	54,800
55	70.0	139.0	38,100
60	67.8	137.0	24,700
65	65.6	134.7	13,500

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	177,800
28	82.0	156.4	173,200
30	81.3	156.1	168,800
32	80.5	155.8	164,500
34	79.7	155.4	150,400
36	78.9	155.0	132,900
38	78.2	154.5	117,700
40	77.4	154.1	104,300
42	76.6	153.6	92,500
44	75.8	153.0	81,900
46	75.0	152.5	72,400
48	74.2	151.9	63,800
50	73.4	151.3	56,100
55	71.4	149.6	39,500
60	69.4	147.8	26,000
65	67.3	145.7	14,900
70	65.2	143.4	5,600

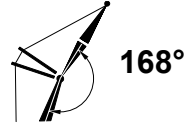
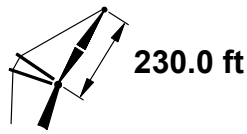
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	168,800
28	82.5	166.5	165,900
30	81.8	166.2	160,400
32	81.1	165.9	155,000
34	80.4	165.6	150,500
36	79.6	165.2	133,700
38	78.9	164.8	118,600
40	78.2	164.3	105,300
42	77.4	163.9	93,500
44	76.7	163.4	83,000
46	76.0	162.9	73,500
48	75.2	162.3	65,000
50	74.5	161.7	57,300
55	72.6	160.2	40,800
60	70.7	158.5	27,400
65	68.8	156.5	16,300
70	66.8	154.4	7,000

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



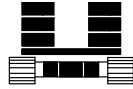
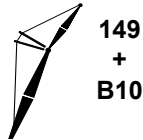
170.0 ft			
ft	°	ft	lb
28	83.0	176.6	152,200
30	82.3	176.4	147,600
32	81.6	176.0	143,100
34	80.9	175.7	138,700
36	80.3	175.4	134,100
38	79.6	175.0	119,100
40	78.9	174.6	105,900
42	78.2	174.1	94,200
44	77.5	173.7	83,700
46	76.8	173.2	74,400
48	76.1	172.7	65,900
50	75.4	172.1	58,200
55	73.7	170.7	41,700
60	71.9	169.1	28,400
65	70.1	167.3	17,400
70	68.3	165.3	8,100

180.0 ft			
ft	°	ft	lb
30	82.7	186.5	118,000
32	82.1	186.2	118,000
34	81.5	185.8	118,000
36	80.8	185.5	118,000
38	80.2	185.2	118,000
40	79.5	184.8	106,300
42	78.9	184.4	94,700
44	78.2	183.9	84,300
46	77.6	183.5	75,000
48	76.9	183.0	66,600
50	76.2	182.5	58,900
55	74.6	181.1	42,600
60	72.9	179.6	29,300
65	71.3	177.9	18,300
70	69.6	176.1	9,000

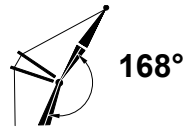
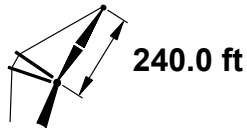
REFER TO MANUAL!

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ASME B30.5



219,600 lb
+
80,000 lb



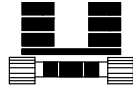
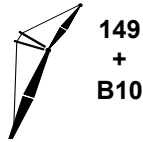
80.0 ft			
ft	o	ft	lb
17	83.0	87.3	338,100
18	82.3	87.2	331,700
19	81.5	87.0	315,400
20	80.8	86.8	296,300
22	79.4	86.4	263,000
24	77.9	85.9	234,900
26	76.4	85.4	210,700
28	74.9	84.8	189,800
30	73.4	84.2	166,800
32	71.9	83.5	142,000
34	70.4	82.8	120,800
36	68.8	82.0	102,700
38	67.3	81.1	87,100
40	65.7	80.2	73,300
42	64.1	79.2	61,200
44	62.5	78.1	50,500
46	60.8	76.9	40,900
48	59.1	75.7	32,300
50	57.4	74.4	24,500
55	53.0	70.7	7,900

90.0 ft			
ft	o	ft	lb
19	82.5	97.1	318,000
20	81.8	97.0	299,100
22	80.6	96.6	266,000
24	79.3	96.2	238,000
26	77.9	95.7	214,000
28	76.6	95.2	193,200
30	75.3	94.7	173,100
32	74.0	94.1	148,300
34	72.6	93.4	127,300
36	71.3	92.7	109,300
38	69.9	91.9	93,600
40	68.6	91.1	80,000
42	67.2	90.3	67,900
44	65.8	89.3	57,100
46	64.3	88.3	47,500
48	62.9	87.3	38,900
50	61.4	86.2	31,100
55	57.7	83.1	14,500

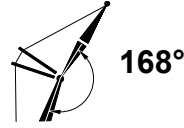
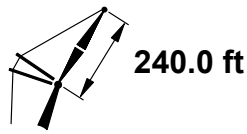
100.0 ft			
ft	o	ft	lb
20	82.7	107.1	244,300
22	81.5	106.8	234,500
24	80.3	106.4	225,100
26	79.2	106.0	216,200
28	78.0	105.5	196,300
30	76.8	105.0	177,900
32	75.6	104.5	153,400
34	74.4	103.9	132,500
36	73.2	103.3	114,600
38	72.0	102.6	99,000
40	70.8	101.9	85,400
42	69.6	101.1	73,400
44	68.3	100.3	62,700
46	67.1	99.4	53,100
48	65.8	98.5	44,500
50	64.6	97.5	36,700
55	61.3	94.8	20,100
60	57.9	91.7	6,800

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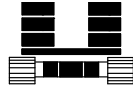
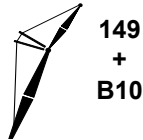
219,600 lb
+
80,000 lb



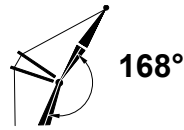
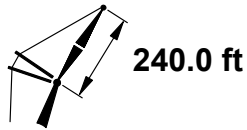
110.0 ft			
ft	o	ft	lb
21	82.8	117.0	223,000
22	82.3	116.9	218,700
24	81.2	116.6	210,400
26	80.2	116.2	202,400
28	79.1	115.8	194,800
30	78.0	115.3	180,200
32	77.0	114.8	156,700
34	75.9	114.3	136,000
36	74.8	113.8	118,200
38	73.7	113.1	102,700
40	72.6	112.5	89,200
42	71.5	111.8	77,200
44	70.4	111.1	66,500
46	69.3	110.3	57,000
48	68.2	109.5	48,400
50	67.0	108.6	40,600
55	64.1	106.2	24,000
60	61.2	103.5	10,600

120.0 ft			
ft	o	ft	lb
22	82.9	127.0	217,300
24	82.0	126.7	210,000
26	81.0	126.4	203,000
28	80.0	126.0	196,300
30	79.1	125.6	182,300
32	78.1	125.1	159,500
34	77.1	124.7	139,000
36	76.1	124.1	121,300
38	75.1	123.6	105,900
40	74.1	123.0	92,400
42	73.1	122.4	80,500
44	72.1	121.7	69,900
46	71.1	121.0	60,400
48	70.1	120.2	51,800
50	69.1	119.5	44,100
55	66.5	117.3	27,500
60	63.8	114.9	14,200

130.0 ft			
ft	o	ft	lb
24	82.6	136.8	198,900
26	81.7	136.5	192,700
28	80.8	136.2	186,700
30	79.9	135.8	180,900
32	79.0	135.4	161,500
34	78.1	134.9	141,100
36	77.2	134.5	123,600
38	76.3	133.9	108,300
40	75.4	133.4	94,900
42	74.5	132.8	83,100
44	73.5	132.2	72,500
46	72.6	131.6	63,100
48	71.7	130.9	54,500
50	70.7	130.2	46,800
55	68.4	128.2	30,300
60	66.0	126.0	17,000
65	63.5	123.5	6,000



219,600 lb
+
80,000 lb



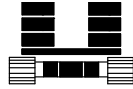
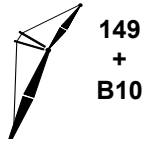
140.0 ft			
ft	o	ft	lb
25	82.7	146.8	191,800
26	82.3	146.6	189,100
28	81.5	146.3	183,900
30	80.6	146.0	178,800
32	79.8	145.6	163,000
34	79.0	145.2	142,800
36	78.1	144.7	125,400
38	77.3	144.3	110,200
40	76.5	143.8	96,900
42	75.6	143.2	85,100
44	74.8	142.7	74,600
46	73.9	142.1	65,200
48	73.0	141.4	56,700
50	72.2	140.8	49,000
55	70.0	139.0	32,600
60	67.8	137.0	19,300
65	65.6	134.7	8,300

150.0 ft			
ft	o	ft	lb
26	82.8	156.7	173,100
28	82.0	156.4	168,500
30	81.3	156.1	164,000
32	80.5	155.8	159,700
34	79.7	155.4	143,700
36	78.9	155.0	126,400
38	78.2	154.5	111,400
40	77.4	154.1	98,100
42	76.6	153.6	86,400
44	75.8	153.0	76,000
46	75.0	152.5	66,600
48	74.2	151.9	58,100
50	73.4	151.3	50,500
55	71.4	149.6	34,100
60	69.4	147.8	20,800
65	67.3	145.7	9,800

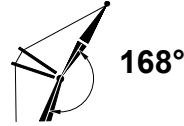
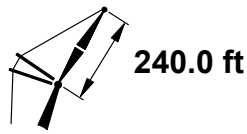
160.0 ft			
ft	o	ft	lb
27	82.9	166.7	165,100
28	82.5	166.5	162,200
30	81.8	166.2	156,700
32	81.1	165.9	151,300
34	80.4	165.6	144,500
36	79.6	165.2	127,400
38	78.9	164.8	112,400
40	78.2	164.3	99,300
42	77.4	163.9	87,600
44	76.7	163.4	77,200
46	76.0	162.9	67,900
48	75.2	162.3	59,500
50	74.5	161.7	51,900
55	72.6	160.2	35,500
60	70.7	158.5	22,300
65	68.8	156.5	11,400

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ASME B30.5



219,600 lb
+
80,000 lb



ft	°	ft	lb
28	83.0	176.6	148,600
30	82.3	176.4	144,000
32	81.6	176.0	139,500
34	80.9	175.7	135,200
36	80.3	175.4	127,900
38	79.6	175.0	113,100
40	78.9	174.6	100,000
42	78.2	174.1	88,500
44	77.5	173.7	78,100
46	76.8	173.2	68,900
48	76.1	172.7	60,500
50	75.4	172.1	52,900
55	73.7	170.7	36,600
60	71.9	169.1	23,500
65	70.1	167.3	12,500

ft	°	ft	lb
30	82.7	186.5	118,000
32	82.1	186.2	118,000
34	81.5	185.8	118,000
36	80.8	185.5	118,000
38	80.2	185.2	113,600
40	79.5	184.8	100,600
42	78.9	184.4	89,100
44	78.2	183.9	78,800
46	77.6	183.5	69,600
48	76.9	183.0	61,300
50	76.2	182.5	53,700
55	74.6	181.1	37,600
60	72.9	179.6	24,400
65	71.3	177.9	13,600

REFER TO MANUAL!