

Liftcrane Boom Capacities With Luffing Jib Attached

MLC150-1 SERIES 1

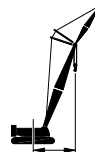
Boom No. B20:350
Luffing Jib No. 135A
75,200 lb Crane Counterweight
0 lb Carbody Counterweight
360 Degree Rating

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 2,900 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. 80117859**, Luffing Jib Rigging **No. 80117862**, Wire Rope Specifications chart **No. 9866-A**, Counterweight Arrangements chart **No. 9828-A**, Luffing Jib Raising Procedure chart **No. 9851-A**, and Wind Conditions chart **No. 9853-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. 9852-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 26 ft 2 in. crawlers, 48 in. treads, 17 ft 5 in. gantry, 10 part boom hoist reeving, boom straps, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, 75,200 lb crane counterweight, and 0 lb carbody counterweight.

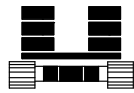
Consult chart **No. 9850-A** for luffing jib capacities.

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

Explanation of Symbols



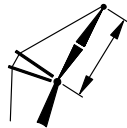
135A Luffing Jib No. 135A
+
B20 Boom No. B20:350



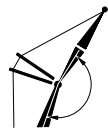
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Luffing Jib Length



Boom-to-Luffing Jib Angle



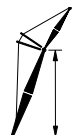
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



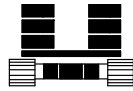
Boom Point Elevation
(see page 1)



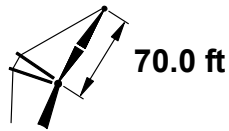
Lifting Capacities
(see page 1)

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



68.9 ft			
ft	°	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	159,300
24	76.2	73.0	133,700
26	74.5	72.4	114,200
28	72.7	71.7	98,800
30	71.0	70.9	86,400

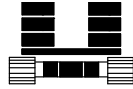
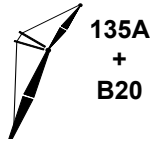
78.7 ft			
ft	°	ft	lb
21	80.3	84.0	176,300
22	79.5	83.7	160,200
24	78.0	83.2	134,500
26	76.5	82.7	115,000
28	75.0	82.1	99,500
30	73.5	81.4	87,100
32	71.9	80.7	76,800
33	71.1	80.3	72,300

88.6 ft			
ft	°	ft	lb
23	80.0	93.6	147,100
24	79.4	93.4	135,200
26	78.0	92.9	115,500
28	76.7	92.3	100,100
30	75.4	91.8	87,600
32	74.0	91.1	77,300
34	72.6	90.4	68,600
36	71.3	89.7	61,300
37	70.6	89.3	58,000

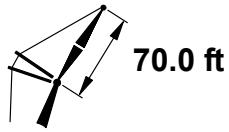
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MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



98.4 ft			
ft	o	ft	lb
24	80.5	103.4	135,700
26	79.3	103.0	116,000
28	78.1	102.5	100,500
30	76.9	102.0	87,900
32	75.7	101.4	77,600
34	74.4	100.8	68,900
36	73.2	100.1	61,500
38	72.0	99.4	55,200
40	70.7	98.7	49,600

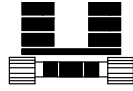
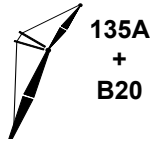
108.3 ft			
ft	o	ft	lb
26	80.3	113.1	116,200
28	79.2	112.6	100,700
30	78.1	112.2	88,200
32	77.0	111.6	77,800
34	75.9	111.1	69,100
36	74.8	110.5	61,700
38	73.7	109.9	55,400
40	72.6	109.2	49,800
42	71.4	108.4	45,000
43	70.9	108.1	42,700

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	101,000
30	79.1	122.3	88,400
32	78.1	121.8	78,000
34	77.1	121.3	69,300
36	76.1	120.8	61,800
38	75.1	120.2	55,500
40	74.1	119.5	49,900
42	73.1	118.9	45,000
44	72.0	118.2	40,700
46	71.0	117.5	36,800

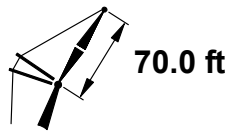
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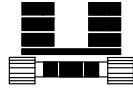
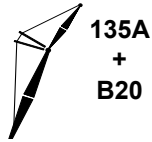


75,200 lb
+
0 lb

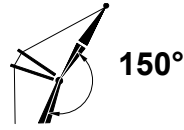


<p>128.0 ft</p>			
ft	°	ft	lb
29	80.4	132.5	94,500
30	80.0	132.3	88,500
32	79.0	131.9	78,100
34	78.1	131.4	69,300
36	77.2	130.9	61,900
38	76.3	130.4	55,500
40	75.3	129.8	49,900
42	74.4	129.2	45,000
44	73.5	128.6	40,700
46	72.5	127.9	36,900
48	71.6	127.2	33,400
50	70.6	126.5	30,300

REFERENCE ONLY!



75,200 lb
+
0 lb



68.9 ft

	ft	o	ft
20	79.7	74.1	177,600
22	78.0	73.6	158,800
24	76.2	73.0	133,000
26	74.5	72.4	113,300
28	72.7	71.7	97,800
30	71.0	70.9	85,300
32	69.2	70.1	74,900
34	67.3	69.1	66,300
36	65.5	68.1	58,900
38	63.6	67.0	52,500
40	61.6	65.9	47,000
41	60.7	65.2	44,500

78.7 ft

	ft	o	ft
21	80.3	84.0	176,200
22	79.5	83.7	160,000
24	78.0	83.2	134,000
26	76.5	82.7	114,300
28	75.0	82.1	98,700
30	73.5	81.4	86,100
32	71.9	80.7	75,800
34	70.3	79.9	67,000
36	68.8	79.0	59,600
38	67.2	78.1	53,300
40	65.5	77.1	47,700
42	63.9	76.1	42,800
44	62.2	74.9	38,500
46	60.5	73.7	34,700

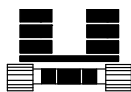
88.6 ft

	ft	o	ft
23	80.0	93.6	146,900
24	79.4	93.4	134,800
26	78.0	92.9	115,000
28	76.7	92.3	99,400
30	75.4	91.8	86,800
32	74.0	91.1	76,400
34	72.6	90.4	67,700
36	71.3	89.7	60,300
38	69.9	88.9	53,900
40	68.5	88.0	48,300
42	67.0	87.1	43,400
44	65.6	86.1	39,100
46	64.1	85.1	35,200
48	62.7	84.0	31,700
50	61.2	82.8	28,600

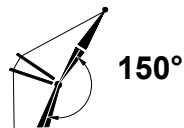
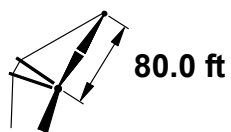
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MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



98.4 ft			
ft	o	ft	lb
24	80.5	103.4	135,500
26	79.3	103.0	115,600
28	78.1	102.5	100,000
30	76.9	102.0	87,300
32	75.7	101.4	76,900
34	74.4	100.8	68,100
36	73.2	100.1	60,600
38	72.0	99.4	54,200
40	70.7	98.7	48,600
42	69.5	97.9	43,700
44	68.2	97.0	39,400
46	66.9	96.1	35,500
48	65.6	95.1	32,000
50	64.3	94.1	28,900
55	61.0	91.3	22,100

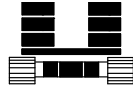
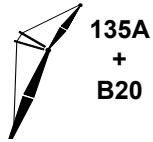
108.3 ft			
ft	o	ft	lb
26	80.3	113.1	116,000
28	79.2	112.6	100,300
30	78.1	112.2	87,600
32	77.0	111.6	77,200
34	75.9	111.1	68,400
36	74.8	110.5	60,900
38	73.7	109.9	54,500
40	72.6	109.2	48,900
42	71.4	108.4	44,000
44	70.3	107.7	39,700
46	69.2	106.9	35,800
48	68.0	106.0	32,300
50	66.8	105.1	29,200
55	63.9	102.6	22,200
60	60.8	99.7	16,200

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	100,700
30	79.1	122.3	87,900
32	78.1	121.8	77,500
34	77.1	121.3	68,600
36	76.1	120.8	61,200
38	75.1	120.2	54,700
40	74.1	119.5	49,100
42	73.1	118.9	44,200
44	72.0	118.2	39,800
46	71.0	117.5	35,900
48	70.0	116.7	32,400
50	68.9	115.8	29,300
55	66.2	113.6	22,100
60	63.5	111.1	16,100
65	60.7	108.2	11,100

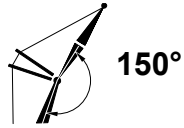
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MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb

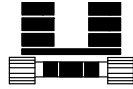
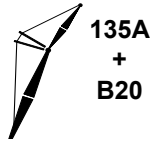


ft	°	ft	lb
29	80.4	132.5	94,200
30	80.0	132.3	88,100
32	79.0	131.9	77,600
34	78.1	131.4	68,800
36	77.2	130.9	61,300
38	76.3	130.4	54,800
40	75.3	129.8	49,200
42	74.4	129.2	44,300
44	73.5	128.6	39,900
46	72.5	127.9	36,000
48	71.6	127.2	32,500
50	70.6	126.5	29,300
55	68.2	124.4	21,900
60	65.7	122.1	15,900
65	63.2	119.5	11,000
70	60.6	116.7	6,800

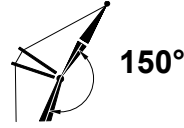
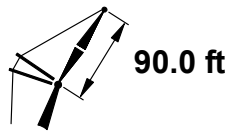
REFERENCE ONLY!

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb

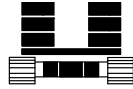
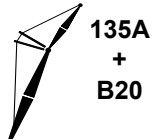


68.9 ft			
ft	°	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	154,100
24	76.2	73.0	128,800
26	74.5	72.4	109,400
28	72.7	71.7	94,200
30	71.0	70.9	81,900
32	69.2	70.1	71,700
34	67.3	69.1	63,200
36	65.5	68.1	56,000
38	63.6	67.0	49,800
40	61.6	65.9	44,300
41	60.7	65.2	41,900

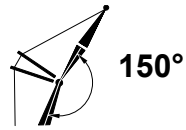
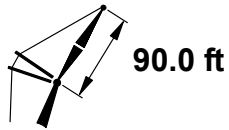
78.7 ft			
ft	°	ft	lb
21	80.3	84.0	171,400
22	79.5	83.7	155,400
24	78.0	83.2	130,000
26	76.5	82.7	110,500
28	75.0	82.1	95,200
30	73.5	81.4	82,900
32	71.9	80.7	72,700
34	70.3	79.9	64,100
36	68.8	79.0	56,900
38	67.2	78.1	50,600
40	65.5	77.1	45,100
42	63.9	76.1	40,400
44	62.2	74.9	36,100
46	60.5	73.7	32,300

88.6 ft			
ft	°	ft	lb
23	80.0	93.6	142,700
24	79.4	93.4	130,900
26	78.0	92.9	111,400
28	76.7	92.3	96,000
30	75.4	91.8	83,700
32	74.0	91.1	73,400
34	72.6	90.4	64,900
36	71.3	89.7	57,600
38	69.9	88.9	51,300
40	68.5	88.0	45,800
42	67.0	87.1	41,000
44	65.6	86.1	36,800
46	64.1	85.1	33,000
48	62.7	84.0	29,600
50	61.2	82.8	26,500

REFER TO SPECIFICATIONS



75,200 lb
+
0 lb



98.4 ft

ft	o	ft	lb
24	80.5	103.4	131,600
26	79.3	103.0	112,100
28	78.1	102.5	96,700
30	76.9	102.0	84,200
32	75.7	101.4	74,000
34	74.4	100.8	65,400
36	73.2	100.1	58,000
38	72.0	99.4	51,700
40	70.7	98.7	46,200
42	69.5	97.9	41,400
44	68.2	97.0	37,100
46	66.9	96.1	33,300
48	65.6	95.1	29,900
50	64.3	94.1	26,800
55	61.0	91.3	19,600

108.3 ft

ft	o	ft	lb
26	80.3	113.1	112,500
28	79.2	112.6	97,100
30	78.1	112.2	84,600
32	77.0	111.6	74,300
34	75.9	111.1	65,700
36	74.8	110.5	58,400
38	73.7	109.9	52,100
40	72.6	109.2	46,600
42	71.4	108.4	41,700
44	70.3	107.7	37,500
46	69.2	106.9	33,700
48	68.0	106.0	30,300
50	66.8	105.1	27,100
55	63.9	102.6	19,800
60	60.8	99.7	13,900

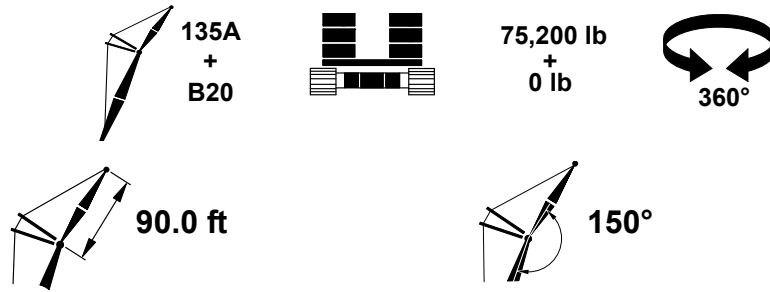
118.1 ft

ft	o	ft	lb
28	80.1	122.7	97,500
30	79.1	122.3	85,000
32	78.1	121.8	74,700
34	77.1	121.3	66,000
36	76.1	120.8	58,700
38	75.1	120.2	52,300
40	74.1	119.5	46,800
42	73.1	118.9	41,900
44	72.0	118.2	37,700
46	71.0	117.5	33,800
48	70.0	116.7	30,400
50	68.9	115.8	27,000
55	66.2	113.6	19,700
60	63.5	111.1	13,800
65	60.7	108.2	8,900

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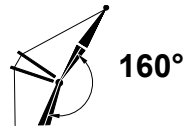
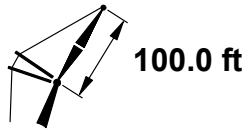
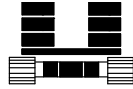
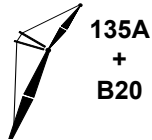
MLC150-1 S-1

ASME B30.5



128.0 ft			
ft	°	ft	lb
29	80.4	132.5	91,200
30	80.0	132.3	85,200
32	79.0	131.9	74,900
34	78.1	131.4	66,200
36	77.2	130.9	58,800
38	76.3	130.4	52,500
40	75.3	129.8	47,000
42	74.4	129.2	42,100
44	73.5	128.6	37,800
46	72.5	127.9	33,900
48	71.6	127.2	30,200
50	70.6	126.5	26,800
55	68.2	124.4	19,600
60	65.7	122.1	13,700
65	63.2	119.5	8,900
70	60.6	116.7	4,700

REFERENCE ONLY!



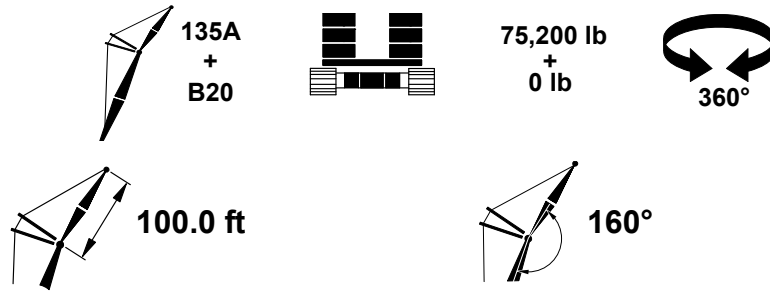
<p>68.9 ft</p>			
ft	o	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	156,500
24	76.2	73.0	130,500
26	74.5	72.4	110,600
28	72.7	71.7	95,000
30	71.0	70.9	82,300
32	69.2	70.1	71,900
34	67.3	69.1	63,100
36	65.5	68.1	55,700
38	63.6	67.0	49,300
40	61.6	65.9	43,700
42	59.7	64.6	38,800
44	57.7	63.2	34,400
46	55.6	61.7	30,600
48	53.5	60.1	27,100
50	51.3	58.4	23,900
51	50.2	57.5	22,400

<p>78.7 ft</p>			
ft	o	ft	lb
21	80.3	84.0	174,500
22	79.5	83.7	158,100
24	78.0	83.2	132,000
26	76.5	82.7	112,000
28	75.0	82.1	96,300
30	73.5	81.4	83,600
32	71.9	80.7	73,100
34	70.3	79.9	64,300
36	68.8	79.0	56,900
38	67.2	78.1	50,400
40	65.5	77.1	44,800
42	63.9	76.1	39,900
44	62.2	74.9	35,500
46	60.5	73.7	31,600
48	58.8	72.4	28,100
50	57.0	71.0	25,000
55	52.4	67.1	17,500
57	50.5	65.3	14,900

<p>88.6 ft</p>			
ft	o	ft	lb
23	80.0	93.6	145,200
24	79.4	93.4	133,100
26	78.0	92.9	113,100
28	76.7	92.3	97,300
30	75.4	91.8	84,600
32	74.0	91.1	74,100
34	72.6	90.4	65,300
36	71.3	89.7	57,800
38	69.9	88.9	51,300
40	68.5	88.0	45,700
42	67.0	87.1	40,800
44	65.6	86.1	36,400
46	64.1	85.1	32,500
48	62.7	84.0	29,000
50	61.2	82.8	25,800
55	57.3	79.5	18,300
60	53.2	75.7	12,200
63	50.7	73.2	9,000

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ASME B30.5



98.4 ft

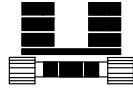
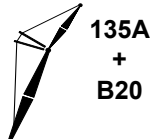
ft	°	ft	lb
24	80.5	103.4	134,000
26	79.3	103.0	113,900
28	78.1	102.5	98,100
30	76.9	102.0	85,300
32	75.7	101.4	74,800
34	74.4	100.8	66,000
36	73.2	100.1	58,400
38	72.0	99.4	51,900
40	70.7	98.7	46,300
42	69.5	97.9	41,300
44	68.2	97.0	37,000
46	66.9	96.1	33,000
48	65.6	95.1	29,500
50	64.3	94.1	26,200
55	61.0	91.3	18,700
60	57.5	88.0	12,500
65	53.9	84.3	7,500
70	50.1	80.1	3,200

108.3 ft

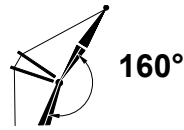
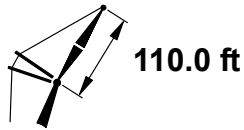
ft	°	ft	lb
26	80.3	113.1	114,500
28	79.2	112.6	98,700
30	78.1	112.2	85,900
32	77.0	111.6	75,300
34	75.9	111.1	66,500
36	74.8	110.5	58,900
38	73.7	109.9	52,400
40	72.6	109.2	46,800
42	71.4	108.4	41,800
44	70.3	107.7	37,400
46	69.2	106.9	33,500
48	68.0	106.0	30,000
50	66.8	105.1	26,500
55	63.9	102.6	19,000
60	60.8	99.7	12,900
65	57.7	96.5	7,900
70	54.4	92.9	3,600

118.1 ft

ft	°	ft	lb
28	80.1	122.7	99,200
30	79.1	122.3	86,400
32	78.1	121.8	75,800
34	77.1	121.3	66,900
36	76.1	120.8	59,300
38	75.1	120.2	52,800
40	74.1	119.5	47,100
42	73.1	118.9	42,200
44	72.0	118.2	37,700
46	71.0	117.5	33,800
48	70.0	116.7	30,000
50	68.9	115.8	26,500
55	66.2	113.6	19,100
60	63.5	111.1	13,000
65	60.7	108.2	8,000
70	57.9	105.0	3,700



75,200 lb
+
0 lb



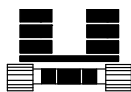
<p>68.9 ft</p>			
ft	o	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	153,100
24	76.2	73.0	127,400
26	74.5	72.4	107,800
28	72.7	71.7	92,300
30	71.0	70.9	79,800
32	69.2	70.1	69,500
34	67.3	69.1	60,900
36	65.5	68.1	53,500
38	63.6	67.0	47,200
40	61.6	65.9	41,700
42	59.7	64.6	36,900
44	57.7	63.2	32,600
46	55.6	61.7	28,800
48	53.5	60.1	25,300
50	51.3	58.4	21,900
51	50.2	57.5	20,200

<p>78.7 ft</p>			
ft	o	ft	lb
21	80.3	84.0	171,000
22	79.5	83.7	154,800
24	78.0	83.2	129,000
26	76.5	82.7	109,300
28	75.0	82.1	93,800
30	73.5	81.4	81,200
32	71.9	80.7	70,900
34	70.3	79.9	62,200
36	68.8	79.0	54,800
38	67.2	78.1	48,500
40	65.5	77.1	42,900
42	63.9	76.1	38,100
44	62.2	74.9	33,800
46	60.5	73.7	29,900
48	58.8	72.4	26,500
50	57.0	71.0	23,000
55	52.4	67.1	15,500
57	50.5	65.3	12,900

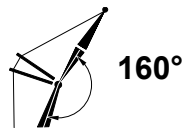
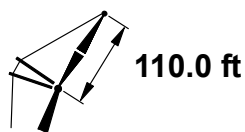
<p>88.6 ft</p>			
ft	o	ft	lb
23	80.0	93.6	142,200
24	79.4	93.4	130,200
26	78.0	92.9	110,400
28	76.7	92.3	94,900
30	75.4	91.8	82,300
32	74.0	91.1	72,000
34	72.6	90.4	63,300
36	71.3	89.7	55,900
38	69.9	88.9	49,500
40	68.5	88.0	43,900
42	67.0	87.1	39,100
44	65.6	86.1	34,700
46	64.1	85.1	30,900
48	62.7	84.0	27,400
50	61.2	82.8	23,900
55	57.3	79.5	16,500
60	53.2	75.7	10,400
63	50.7	73.2	7,300

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ASME B30.5



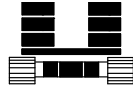
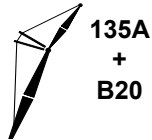
75,200 lb
+
0 lb



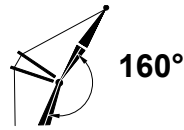
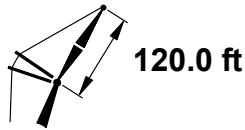
98.4 ft			
ft	o	ft	lb
24	80.5	103.4	131,200
26	79.3	103.0	111,400
28	78.1	102.5	95,800
30	76.9	102.0	83,100
32	75.7	101.4	72,700
34	74.4	100.8	64,000
36	73.2	100.1	56,600
38	72.0	99.4	50,200
40	70.7	98.7	44,600
42	69.5	97.9	39,700
44	68.2	97.0	35,400
46	66.9	96.1	31,500
48	65.6	95.1	27,800
50	64.3	94.1	24,300
55	61.0	91.3	16,900
60	57.5	88.0	10,900
65	53.9	84.3	5,900

108.3 ft			
ft	o	ft	lb
26	80.3	113.1	112,000
28	79.2	112.6	96,400
30	78.1	112.2	83,700
32	77.0	111.6	73,300
34	75.9	111.1	64,600
36	74.8	110.5	57,100
38	73.7	109.9	50,700
40	72.6	109.2	45,100
42	71.4	108.4	40,300
44	70.3	107.7	35,900
46	69.2	106.9	32,000
48	68.0	106.0	28,200
50	66.8	105.1	24,700
55	63.9	102.6	17,300
60	60.8	99.7	11,300
65	57.7	96.5	6,400

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	97,000
30	79.1	122.3	84,300
32	78.1	121.8	73,800
34	77.1	121.3	65,000
36	76.1	120.8	57,600
38	75.1	120.2	51,100
40	74.1	119.5	45,500
42	73.1	118.9	40,600
44	72.0	118.2	36,200
46	71.0	117.5	32,000
48	70.0	116.7	28,200
50	68.9	115.8	24,800
55	66.2	113.6	17,400
60	63.5	111.1	11,400
65	60.7	108.2	6,500



75,200 lb
+
0 lb



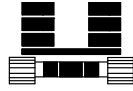
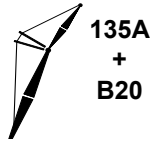
<p>68.9 ft</p>			
ft	o	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	148,300
24	76.2	73.0	122,900
26	74.5	72.4	103,600
28	72.7	71.7	88,400
30	71.0	70.9	76,100
32	69.2	70.1	65,900
34	67.3	69.1	57,400
36	65.5	68.1	50,200
38	63.6	67.0	44,000
40	61.6	65.9	38,500
42	59.7	64.6	33,800
44	57.7	63.2	29,500
46	55.6	61.7	25,400
48	53.5	60.1	21,600
50	51.3	58.4	18,100
51	50.2	57.5	16,500

<p>78.7 ft</p>			
ft	o	ft	lb
21	80.3	84.0	166,200
22	79.5	83.7	150,200
24	78.0	83.2	124,700
26	76.5	82.7	105,300
28	75.0	82.1	90,000
30	73.5	81.4	77,700
32	71.9	80.7	67,500
34	70.3	79.9	58,900
36	68.8	79.0	51,700
38	67.2	78.1	45,400
40	65.5	77.1	39,900
42	63.9	76.1	35,200
44	62.2	74.9	30,900
46	60.5	73.7	26,700
48	58.8	72.4	22,900
50	57.0	71.0	19,500
55	52.4	67.1	12,100
57	50.5	65.3	9,600

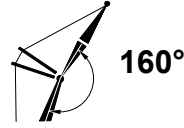
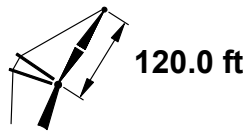
<p>88.6 ft</p>			
ft	o	ft	lb
23	80.0	93.6	138,000
24	79.4	93.4	126,100
26	78.0	92.9	106,600
28	76.7	92.3	91,300
30	75.4	91.8	78,900
32	74.0	91.1	68,700
34	72.6	90.4	60,100
36	71.3	89.7	52,800
38	69.9	88.9	46,500
40	68.5	88.0	41,100
42	67.0	87.1	36,300
44	65.6	86.1	32,000
46	64.1	85.1	27,800
48	62.7	84.0	24,000
50	61.2	82.8	20,600
55	57.3	79.5	13,200
60	53.2	75.7	7,300
63	50.7	73.2	4,200

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb

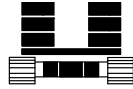
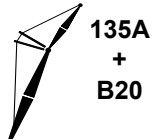


98.4 ft			
ft	o	ft	lb
24	80.5	103.4	127,300
26	79.3	103.0	107,700
28	78.1	102.5	92,300
30	76.9	102.0	79,900
32	75.7	101.4	69,600
34	74.4	100.8	61,000
36	73.2	100.1	53,600
38	72.0	99.4	47,300
40	70.7	98.7	41,800
42	69.5	97.9	37,000
44	68.2	97.0	32,500
46	66.9	96.1	28,300
48	65.6	95.1	24,500
50	64.3	94.1	21,100
55	61.0	91.3	13,800
60	57.5	88.0	7,900

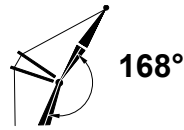
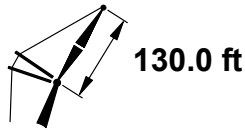
108.3 ft			
ft	o	ft	lb
26	80.3	113.1	108,400
28	79.2	112.6	93,000
30	78.1	112.2	80,500
32	77.0	111.6	70,300
34	75.9	111.1	61,600
36	74.8	110.5	54,300
38	73.7	109.9	48,000
40	72.6	109.2	42,500
42	71.4	108.4	37,500
44	70.3	107.7	32,900
46	69.2	106.9	28,800
48	68.0	106.0	25,000
50	66.8	105.1	21,600
55	63.9	102.6	14,400
60	60.8	99.7	8,400
65	57.7	96.5	3,600

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	93,700
30	79.1	122.3	81,200
32	78.1	121.8	70,800
34	77.1	121.3	62,200
36	76.1	120.8	54,800
38	75.1	120.2	48,500
40	74.1	119.5	42,800
42	73.1	118.9	37,700
44	72.0	118.2	33,100
46	71.0	117.5	28,900
48	70.0	116.7	25,200
50	68.9	115.8	21,800
55	66.2	113.6	14,500
60	63.5	111.1	8,600
65	60.7	108.2	3,800

REFER TO



75,200 lb
+
0 lb



68.9 ft

	ft	o	ft
20	79.7	74.1	177,600
22	78.0	73.6	153,300
24	76.2	73.0	127,000
26	74.5	72.4	106,900
28	72.7	71.7	91,000
30	71.0	70.9	78,200
32	69.2	70.1	67,700
34	67.3	69.1	58,800
36	65.5	68.1	51,200
38	63.6	67.0	44,700
40	61.6	65.9	39,100
42	59.7	64.6	34,100
44	57.7	63.2	29,700
46	55.6	61.7	25,200
48	53.5	60.1	21,200
50	51.3	58.4	17,600
51	50.2	57.5	15,900

78.7 ft

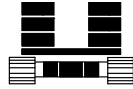
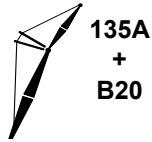
	ft	o	ft
21	80.3	84.0	172,200
22	79.5	83.7	155,600
24	78.0	83.2	129,100
26	76.5	82.7	108,900
28	75.0	82.1	93,000
30	73.5	81.4	80,100
32	71.9	80.7	69,500
34	70.3	79.9	60,600
36	68.8	79.0	53,000
38	67.2	78.1	46,500
40	65.5	77.1	40,800
42	63.9	76.1	35,800
44	62.2	74.9	31,400
46	60.5	73.7	27,000
48	58.8	72.4	23,000
50	57.0	71.0	19,400
55	52.4	67.1	11,600
57	50.5	65.3	9,000

88.6 ft

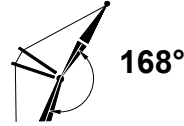
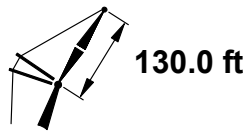
	ft	o	ft
23	80.0	93.6	143,000
24	79.4	93.4	130,700
26	78.0	92.9	110,400
28	76.7	92.3	94,500
30	75.4	91.8	81,600
32	74.0	91.1	70,900
34	72.6	90.4	62,000
36	71.3	89.7	54,400
38	69.9	88.9	47,900
40	68.5	88.0	42,200
42	67.0	87.1	37,200
44	65.6	86.1	32,700
46	64.1	85.1	28,300
48	62.7	84.0	24,400
50	61.2	82.8	20,800
55	57.3	79.5	13,100
60	53.2	75.7	6,800
63	50.7	73.2	3,600

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb

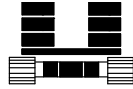
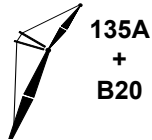


98.4 ft			
ft	o	ft	lb
24	80.5	103.4	132,000
26	79.3	103.0	111,700
28	78.1	102.5	95,600
30	76.9	102.0	82,700
32	75.7	101.4	72,000
34	74.4	100.8	63,100
36	73.2	100.1	55,400
38	72.0	99.4	48,900
40	70.7	98.7	43,200
42	69.5	97.9	38,100
44	68.2	97.0	33,500
46	66.9	96.1	29,100
48	65.6	95.1	25,200
50	64.3	94.1	21,600
55	61.0	91.3	13,900
60	57.5	88.0	7,700

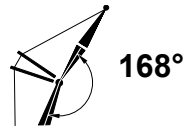
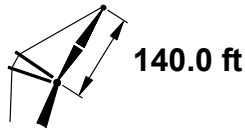
108.3 ft			
ft	o	ft	lb
26	80.3	113.1	112,500
28	79.2	112.6	96,500
30	78.1	112.2	83,500
32	77.0	111.6	72,800
34	75.9	111.1	63,900
36	74.8	110.5	56,200
38	73.7	109.9	49,700
40	72.6	109.2	43,900
42	71.4	108.4	38,900
44	70.3	107.7	34,100
46	69.2	106.9	29,800
48	68.0	106.0	25,800
50	66.8	105.1	22,300
55	63.9	102.6	14,700
60	60.8	99.7	8,500
65	57.7	96.5	3,400

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	97,300
30	79.1	122.3	84,300
32	78.1	121.8	73,500
34	77.1	121.3	64,500
36	76.1	120.8	56,900
38	75.1	120.2	50,300
40	74.1	119.5	44,500
42	73.1	118.9	39,200
44	72.0	118.2	34,400
46	71.0	117.5	30,000
48	70.0	116.7	26,100
50	68.9	115.8	22,600
55	66.2	113.6	15,000
60	63.5	111.1	8,900
65	60.7	108.2	3,800

REFER TO SPECIFICATIONS



75,200 lb
+
0 lb



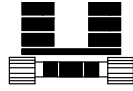
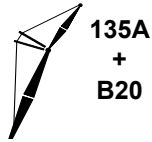
ft	o	ft	lb
20	79.7	74.1	177,600
22	78.0	73.6	149,200
24	76.2	73.0	123,100
26	74.5	72.4	103,200
28	72.7	71.7	87,500
30	71.0	70.9	74,800
32	69.2	70.1	64,300
34	67.3	69.1	55,600
36	65.5	68.1	48,100
38	63.6	67.0	41,600
40	61.6	65.9	36,000
42	59.7	64.6	30,700
44	57.7	63.2	25,800
46	55.6	61.7	21,400
48	53.5	60.1	17,400
50	51.3	58.4	13,800
51	50.2	57.5	12,200

ft	o	ft	lb
21	80.3	84.0	168,100
22	79.5	83.7	151,700
24	78.0	83.2	125,500
26	76.5	82.7	105,400
28	75.0	82.1	89,700
30	73.5	81.4	76,900
32	71.9	80.7	66,400
34	70.3	79.9	57,600
36	68.8	79.0	50,100
38	67.2	78.1	43,600
40	65.5	77.1	38,000
42	63.9	76.1	32,700
44	62.2	74.9	27,800
46	60.5	73.7	23,400
48	58.8	72.4	19,500
50	57.0	71.0	15,900
55	52.4	67.1	8,300
57	50.5	65.3	5,600

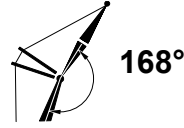
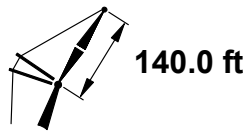
ft	o	ft	lb
23	80.0	93.6	139,400
24	79.4	93.4	127,200
26	78.0	92.9	107,100
28	76.7	92.3	91,300
30	75.4	91.8	78,600
32	74.0	91.1	68,000
34	72.6	90.4	59,200
36	71.3	89.7	51,600
38	69.9	88.9	45,200
40	68.5	88.0	39,500
42	67.0	87.1	34,200
44	65.6	86.1	29,300
46	64.1	85.1	25,000
48	62.7	84.0	21,100
50	61.2	82.8	17,500
55	57.3	79.5	9,900
60	53.2	75.7	3,700

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



98.4 ft

ft	o	ft	lb
24	80.5	103.4	128,700
26	79.3	103.0	108,500
28	78.1	102.5	92,600
30	76.9	102.0	79,800
32	75.7	101.4	69,200
34	74.4	100.8	60,400
36	73.2	100.1	52,800
38	72.0	99.4	46,300
40	70.7	98.7	40,500
42	69.5	97.9	35,100
44	68.2	97.0	30,300
46	66.9	96.1	25,900
48	65.6	95.1	22,000
50	64.3	94.1	18,500
55	61.0	91.3	10,900
60	57.5	88.0	4,800

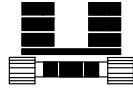
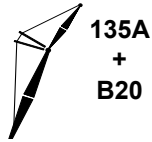
108.3 ft

ft	o	ft	lb
26	80.3	113.1	109,500
28	79.2	112.6	93,600
30	78.1	112.2	80,800
32	77.0	111.6	70,200
34	75.9	111.1	61,300
36	74.8	110.5	53,700
38	73.7	109.9	47,200
40	72.6	109.2	41,100
42	71.4	108.4	35,800
44	70.3	107.7	31,000
46	69.2	106.9	26,700
48	68.0	106.0	22,900
50	66.8	105.1	19,300
55	63.9	102.6	11,800
60	60.8	99.7	5,700

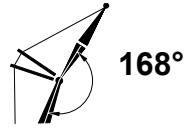
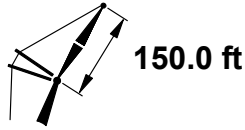
118.1 ft

ft	o	ft	lb
28	80.1	122.7	94,300
30	79.1	122.3	81,600
32	78.1	121.8	70,900
34	77.1	121.3	62,000
36	76.1	120.8	54,300
38	75.1	120.2	47,500
40	74.1	119.5	41,500
42	73.1	118.9	36,200
44	72.0	118.2	31,400
46	71.0	117.5	27,100
48	70.0	116.7	23,300
50	68.9	115.8	19,800
55	66.2	113.6	12,300
60	63.5	111.1	6,200

REFER TO



75,200 lb
+
0 lb



68.9 ft

	ft	o	ft
20	79.7	74.1	177,600
22	78.0	73.6	146,000
24	76.2	73.0	120,100
26	74.5	72.4	100,400
28	72.7	71.7	84,800
30	71.0	70.9	72,300
32	69.2	70.1	61,900
34	67.3	69.1	53,200
36	65.5	68.1	45,800
38	63.6	67.0	39,400
40	61.6	65.9	33,400
42	59.7	64.6	28,000
44	57.7	63.2	23,100
46	55.6	61.7	18,800
48	53.5	60.1	14,900
50	51.3	58.4	11,300
51	50.2	57.5	9,700

78.7 ft

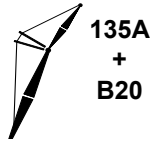
	ft	o	ft
21	80.3	84.0	164,100
22	79.5	83.7	148,600
24	78.0	83.2	122,600
26	76.5	82.7	102,800
28	75.0	82.1	87,200
30	73.5	81.4	74,600
32	71.9	80.7	64,100
34	70.3	79.9	55,400
36	68.8	79.0	48,000
38	67.2	78.1	41,600
40	65.5	77.1	35,600
42	63.9	76.1	30,200
44	62.2	74.9	25,300
46	60.5	73.7	21,000
48	58.8	72.4	17,100
50	57.0	71.0	13,600
55	52.4	67.1	6,000
57	50.5	65.3	3,400

88.6 ft

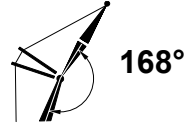
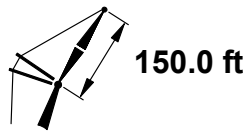
	ft	o	ft
23	80.0	93.6	136,600
24	79.4	93.4	124,500
26	78.0	92.9	104,600
28	76.7	92.3	89,000
30	75.4	91.8	76,300
32	74.0	91.1	65,900
34	72.6	90.4	57,100
36	71.3	89.7	49,700
38	69.9	88.9	43,200
40	68.5	88.0	37,200
42	67.0	87.1	31,800
44	65.6	86.1	27,000
46	64.1	85.1	22,700
48	62.7	84.0	18,900
50	61.2	82.8	15,300
55	57.3	79.5	7,800

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb

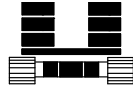
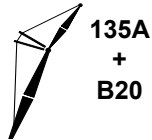


98.4 ft			
ft	o	ft	lb
24	80.5	103.4	125,600
26	79.3	103.0	106,100
28	78.1	102.5	90,400
30	76.9	102.0	77,700
32	75.7	101.4	67,200
34	74.4	100.8	58,400
36	73.2	100.1	50,900
38	72.0	99.4	44,200
40	70.7	98.7	38,200
42	69.5	97.9	32,800
44	68.2	97.0	28,100
46	66.9	96.1	23,800
48	65.6	95.1	19,900
50	64.3	94.1	16,400
55	61.0	91.3	9,000

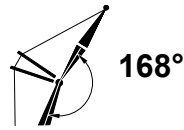
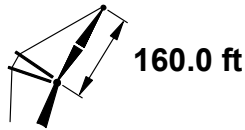
108.3 ft			
ft	o	ft	lb
26	80.3	113.1	106,700
28	79.2	112.6	91,400
30	78.1	112.2	78,700
32	77.0	111.6	68,200
34	75.9	111.1	59,400
36	74.8	110.5	51,700
38	73.7	109.9	44,900
40	72.6	109.2	39,000
42	71.4	108.4	33,700
44	70.3	107.7	28,900
46	69.2	106.9	24,700
48	68.0	106.0	20,900
50	66.8	105.1	17,400
55	63.9	102.6	9,900
60	60.8	99.7	3,900

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	91,600
30	79.1	122.3	79,200
32	78.1	121.8	68,700
34	77.1	121.3	59,800
36	76.1	120.8	52,100
38	75.1	120.2	45,300
40	74.1	119.5	39,400
42	73.1	118.9	34,100
44	72.0	118.2	29,400
46	71.0	117.5	25,200
48	70.0	116.7	21,400
50	68.9	115.8	17,900
55	66.2	113.6	10,500
60	63.5	111.1	4,500

REFER TO SPECIFICATIONS



75,200 lb
+
0 lb



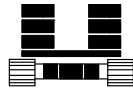
<p>68.9 ft</p>			
ft	o	ft	lb
20	79.7	74.1	175,100
22	78.0	73.6	141,600
24	76.2	73.0	116,000
26	74.5	72.4	96,500
28	72.7	71.7	81,100
30	71.0	70.9	68,700
32	69.2	70.1	58,400
34	67.3	69.1	49,800
36	65.5	68.1	42,200
38	63.6	67.0	35,300
40	61.6	65.9	29,200
42	59.7	64.6	23,900
44	57.7	63.2	19,100
46	55.6	61.7	14,800
48	53.5	60.1	10,900
50	51.3	58.4	7,400
51	50.2	57.5	5,800

<p>78.7 ft</p>			
ft	o	ft	lb
21	80.3	84.0	158,900
22	79.5	83.7	144,100
24	78.0	83.2	118,800
26	76.5	82.7	99,100
28	75.0	82.1	83,700
30	73.5	81.4	71,200
32	71.9	80.7	60,900
34	70.3	79.9	52,200
36	68.8	79.0	44,600
38	67.2	78.1	37,700
40	65.5	77.1	31,700
42	63.9	76.1	26,300
44	62.2	74.9	21,600
46	60.5	73.7	17,300
48	58.8	72.4	13,400
50	57.0	71.0	9,900

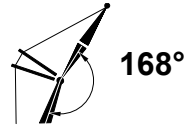
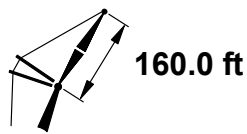
<p>88.6 ft</p>			
ft	o	ft	lb
23	80.0	93.6	132,000
24	79.4	93.4	120,700
26	78.0	92.9	101,200
28	76.7	92.3	85,700
30	75.4	91.8	73,100
32	74.0	91.1	62,800
34	72.6	90.4	54,100
36	71.3	89.7	46,300
38	69.9	88.9	39,500
40	68.5	88.0	33,500
42	67.0	87.1	28,200
44	65.6	86.1	23,500
46	64.1	85.1	19,200
48	62.7	84.0	15,400
50	61.2	82.8	11,900
55	57.3	79.5	4,500

MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



98.4 ft

ft	o	ft	lb
24	80.5	103.4	121,200
26	79.3	103.0	102,500
28	78.1	102.5	87,200
30	76.9	102.0	74,600
32	75.7	101.4	64,200
34	74.4	100.8	55,200
36	73.2	100.1	47,400
38	72.0	99.4	40,700
40	70.7	98.7	34,700
42	69.5	97.9	29,400
44	68.2	97.0	24,700
46	66.9	96.1	20,500
48	65.6	95.1	16,700
50	64.3	94.1	13,200
55	61.0	91.3	5,800

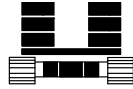
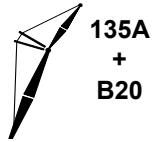
108.3 ft

ft	o	ft	lb
26	80.3	113.1	102,700
28	79.2	112.6	87,700
30	78.1	112.2	75,300
32	77.0	111.6	64,800
34	75.9	111.1	55,900
36	74.8	110.5	48,200
38	73.7	109.9	41,500
40	72.6	109.2	35,600
42	71.4	108.4	30,400
44	70.3	107.7	25,700
46	69.2	106.9	21,500
48	68.0	106.0	17,700
50	66.8	105.1	14,300
55	63.9	102.6	6,900

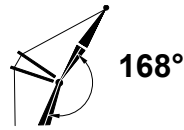
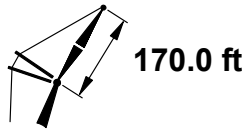
118.1 ft

ft	o	ft	lb
28	80.1	122.7	87,900
30	79.1	122.3	75,600
32	78.1	121.8	65,200
34	77.1	121.3	56,400
36	76.1	120.8	48,700
38	75.1	120.2	42,100
40	74.1	119.5	36,200
42	73.1	118.9	31,000
44	72.0	118.2	26,300
46	71.0	117.5	22,100
48	70.0	116.7	18,400
50	68.9	115.8	14,900
55	66.2	113.6	7,600

REFER TO



75,200 lb
+
0 lb



ft	°	ft	lb
20	79.7	74.1	169,600
22	78.0	73.6	137,500
24	76.2	73.0	112,100
26	74.5	72.4	92,800
28	72.7	71.7	77,600
30	71.0	70.9	65,300
32	69.2	70.1	55,200
34	67.3	69.1	46,100
36	65.5	68.1	38,200
38	63.6	67.0	31,400
40	61.6	65.9	25,400
42	59.7	64.6	20,100
44	57.7	63.2	15,400
46	55.6	61.7	11,200
48	53.5	60.1	7,400
50	51.3	58.4	3,900

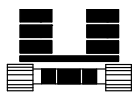
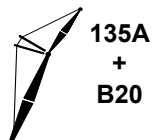
ft	°	ft	lb
21	80.3	84.0	153,800
22	79.5	83.7	139,200
24	78.0	83.2	115,100
26	76.5	82.7	95,700
28	75.0	82.1	80,400
30	73.5	81.4	68,000
32	71.9	80.7	57,700
34	70.3	79.9	48,700
36	68.8	79.0	40,900
38	67.2	78.1	34,100
40	65.5	77.1	28,100
42	63.9	76.1	22,900
44	62.2	74.9	18,200
46	60.5	73.7	14,000
48	58.8	72.4	10,200
50	57.0	71.0	6,700

ft	°	ft	lb
23	80.0	93.6	127,500
24	79.4	93.4	116,400
26	78.0	92.9	97,700
28	76.7	92.3	82,500
30	75.4	91.8	70,000
32	74.0	91.1	59,500
34	72.6	90.4	50,600
36	71.3	89.7	42,800
38	69.9	88.9	36,100
40	68.5	88.0	30,200
42	67.0	87.1	25,000
44	65.6	86.1	20,300
46	64.1	85.1	16,100
48	62.7	84.0	12,300
50	61.2	82.8	8,900

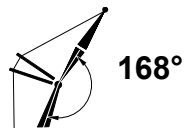
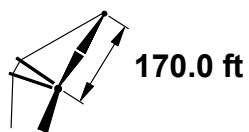
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MLC150-1 S-1

ASME B30.5



75,200 lb
+
0 lb



98.4 ft			
ft	o	ft	lb
24	80.5	103.4	117,000
26	79.3	103.0	98,500
28	78.1	102.5	83,500
30	76.9	102.0	71,100
32	75.7	101.4	60,700
34	74.4	100.8	51,800
36	73.2	100.1	44,100
38	72.0	99.4	37,400
40	70.7	98.7	31,600
42	69.5	97.9	26,300
44	68.2	97.0	21,700
46	66.9	96.1	17,500
48	65.6	95.1	13,700
50	64.3	94.1	10,300
55	61.0	91.3	3,000

108.3 ft			
ft	o	ft	lb
26	80.3	113.1	98,900
28	79.2	112.6	84,100
30	78.1	112.2	71,800
32	77.0	111.6	61,500
34	75.9	111.1	52,700
36	74.8	110.5	45,100
38	73.7	109.9	38,500
40	72.6	109.2	32,600
42	71.4	108.4	27,400
44	70.3	107.7	22,800
46	69.2	106.9	18,700
48	68.0	106.0	14,900
50	66.8	105.1	11,500
55	63.9	102.6	4,300

118.1 ft			
ft	o	ft	lb
28	80.1	122.7	84,400
30	79.1	122.3	72,200
32	78.1	121.8	62,000
34	77.1	121.3	53,200
36	76.1	120.8	45,700
38	75.1	120.2	39,100
40	74.1	119.5	33,300
42	73.1	118.9	28,100
44	72.0	118.2	23,500
46	71.0	117.5	19,400
48	70.0	116.7	15,700
50	68.9	115.8	12,300
55	66.2	113.6	5,100

REFER TO MANITOWOC WEBSITE FOR MORE INFORMATION