

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 on
 Boom No. B10:76A
 184,600 lb Crane Counterweight
 60,400 lb Carbody Counterweight
 360 Degree Rating

MLC200 SERIES 3



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

LUFFING JIB BACKWARD STABILITY: Capacities indicated by (b) require 2,500 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 6,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 11,000 lb minimum weight suspended beneath luffing jib point. **Caution: Do not luff into areas indicated by (b), (c), or (d) without required minimum weights. Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul jib and cause wire rope damage or failure.**

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. Refer to Boom Rigging No. 80149429, Luffing Jib Rigging No. 80149433, Wire Rope Specification chart No. A030-A, Counterweight Arrangements chart No. A004-A, Luffing Jib Raising Procedure chart No. A032-A, and Wind Conditions chart No. A031-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. A033-A.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM ANGLE: Boom angle in degrees ($^{\circ}$) is angle between horizontal and centerline of boom butt and inserts.



LUFFING JIB ANGLE: Luffing jib angle in degrees ($^{\circ}$) is angle between horizontal and centerline of luffing jib butt and inserts.



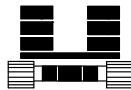
LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 27 ft 2 in. crawlers, 48 in. treads, 10 ft 3 in. retractable gantry, 27 ft live mast, 20 part boom hoist reeving, boom support straps, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays.

Explanation of Symbols



Luffing Jib No. 135
+
Boom No. B10:76A



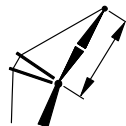
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Luffing Jib Length



Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



Luffing Jib Point Elevation
(see page 1)



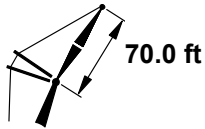
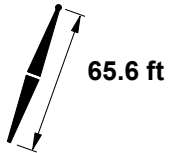
Lifting Capacities
(see page 1)

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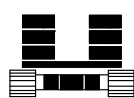
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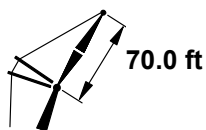
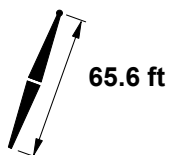
	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
29	74.8	140.9	118,100 d						29	
30	74.0	140.7	118,100 c						30	
35	69.7	139.0	114,600 c						35	
39	66.1	137.4	109,700 c	70.2	138.7	115,800 c			39	
40	65.2	136.9	108,400 b	69.3	138.3	114,500 c			40	
45	60.6	134.4	103,000 b	64.8	136.2	108,400 b	67.9	137.0	112,600 b	45
50	55.8	131.3	98,300	60.2	133.6	103,100 b	63.4	134.8	106,800 b	50
55	50.7	127.6	94,200	55.4	130.4	98,500	58.7	132.0	101,800	55
56	49.6	126.7	92,900	54.4	129.7	97,600	57.7	131.3	100,800	56
60	45.2	123.1	87,700	50.2	126.6	94,400	53.8	128.7	97,000	60
65	39.1	117.5	78,400	44.7	122.0	87,000	48.5	124.6	87,800	65
67	36.3	114.7	75,300	42.2	119.8	83,300	46.2	122.7	84,700	67
70	32.1	110.5	70,700	38.5	116.4	77,800	42.8	119.7	80,100	70
75	23.2	101.0	61,300	31.4	109.3	70,200	36.3	113.7	73,600	75
77	17.1	93.8	54,900	27.7	105.3	67,400	33.3	110.5	71,300	77
80	8.0	83.1	45,400	22.3	99.4	63,200	28.7	105.8	67,900	80
85				4.6	78.5	45,300	18.5	94.4	60,700	85
88							7.6	81.4	49,500	88
90									90	
94									94	
95									95	
99									99	
100									100	
104									104	

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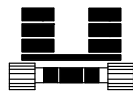
184,600 lb
+
60,400 lb



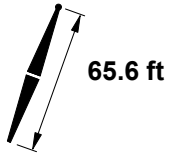
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
29										29
30										30
35										35
39										39
40										40
45										45
50										50
55										55
56	62.9	133.1	103,000 b							56
60	59.2	130.9	94,500							60
65	54.3	127.6	85,500							65
67	52.2	126.0	82,500	57.7	128.0	80,200				67
70	49.1	123.7	78,000	54.7	126.0	76,000				70
75	43.4	118.9	71,700	49.5	122.1	69,800				75
77	40.9	116.5	69,500	47.3	120.2	67,700	52.9	122.3	65,800	77
80	37.1	113.0	66,200	43.9	117.4	64,500	49.8	119.9	62,800	80
85	29.6	105.4	61,400	37.6	111.6	59,900	44.1	115.2	58,300	85
88	23.8	98.9	58,900	33.2	107.1	57,400	40.4	111.8	55,900	88
90	19.8	94.5	57,200	30.3	104.2	55,800	37.9	109.5	54,300	90
94	3.8	75.4	49,800	22.7	95.8	52,800	32.1	103.6	51,500	94
95				20.8	93.7	52,100	30.6	102.2	50,800	95
99				7.2	77.7	49,400	23.1	93.9	48,300	99
100							21.3	91.9	47,600	100
104							8.5	76.8	45,200	104

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184,600 lb
+
60,400 lb



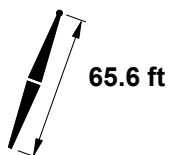
	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	74.5	150.5	108,200 c							32
35	72.3	149.6	106,100 c							35
40	68.5	147.8	100,400 b							40
42	66.9	146.9	98,400 b	70.5	148.2	103,600 b				42
45	64.6	145.6	95,300 b	68.2	147.1	100,400 b				45
49	61.4	143.6	91,600 b	65.0	145.3	96,400 b	67.7	146.2	99,800 b	49
50	60.6	143.0	90,700	64.2	144.9	95,400	66.9	145.8	98,800 b	50
55	56.4	140.0	86,600	60.2	142.2	90,900	62.9	143.4	94,100	55
60	51.9	136.4	82,900	56.0	139.1	86,900	58.8	140.7	89,800	60
61	51.0	135.5	82,000	55.1	138.4	86,100	58.0	140.0	89,000	61
65	47.2	132.1	78,700	51.5	135.5	83,200	54.6	137.4	85,900	65
70	42.1	127.1	71,000	46.8	131.1	78,100	50.0	133.5	79,900	70
72	39.9	124.6	68,400	44.7	129.1	75,000	48.1	131.7	77,300	72
75	36.5	120.9	64,500	41.7	126.0	70,500	45.2	128.9	73,400	75
80	29.9	113.3	59,000	35.9	119.8	64,100	39.9	123.5	67,800	80
83	25.0	107.1	54,600	32.0	115.1	60,800	36.3	119.5	64,500	83
85	21.7	103.0	51,800	29.3	112.0	58,600	33.9	116.8	62,300	85
90	7.5	83.8	39,000	20.8	101.3	53,500	26.8	108.3	57,100	90
95				4.3	78.9	39,100	17.3	96.0	51,700	95
98							7.1	82.0	42,700	98
100										100
104										104
105										105
109										109
110										110
114										114

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ASME B30.5



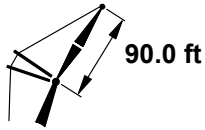
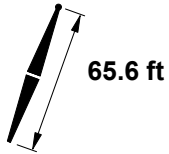
184,600 lb
+
60,400 lb



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32										32
35										35
40										40
42										42
45										45
49										49
50										50
55										55
60										60
61	62.6	141.8	92,300							61
65	59.3	139.6	85,300							65
70	55.0	136.3	77,800							70
72	53.2	134.8	75,200	58.0	136.7	73,100				72
75	50.5	132.5	71,400	55.4	134.7	69,500				75
80	45.7	128.1	66,000	50.9	131.0	64,200				80
83	42.6	124.8	63,100	48.0	128.3	61,500	52.9	130.3	59,700	83
85	40.5	122.7	61,200	46.1	126.5	59,600	51.1	128.8	58,000	85
90	34.6	116.2	57,100	40.9	121.3	55,600	46.3	124.4	54,100	90
95	27.7	107.9	53,400	35.1	114.9	52,000	41.2	119.1	50,600	95
98	22.2	100.9	51,400	31.0	110.0	50,000	37.7	115.3	48,700	98
100	18.5	96.2	50,000	28.3	106.8	48,800	35.4	112.8	47,400	100
104	3.6	75.7	43,200	21.2	97.7	46,400	30.0	106.4	45,200	104
105				19.4	95.5	45,800	28.6	104.8	44,600	105
109				6.8	78.3	43,600	21.6	95.9	42,600	109
110							19.9	93.7	42,100	110
114							7.9	77.5	40,100	114

MLC200 S-3

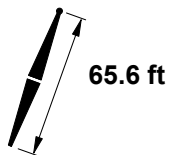
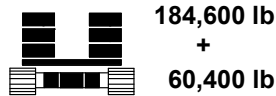
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	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.0	160.3	94,000 c							34
35	74.3	160.0	92,900 c							35
40	71.0	158.5	88,100 b							40
45	67.6	156.6	83,700 b	70.7	157.8	88,000 b				45
50	64.1	154.3	79,700	67.3	155.8	83,800				50
53	61.9	152.8	77,600	65.2	154.5	81,500	67.5	155.4	84,200 b	53
55	60.5	151.7	76,100	63.8	153.6	79,900	66.2	154.5	82,600	55
60	56.8	148.7	72,700	60.2	150.9	76,300	62.6	152.1	78,900	60
65	52.9	145.1	69,800	56.4	147.8	73,000	59.0	149.3	75,400	65
66	52.1	144.3	69,200	55.6	147.1	72,400	58.2	148.7	74,800	66
70	48.8	141.1	67,000	52.5	144.2	70,000	55.2	146.1	72,300	70
75	44.4	136.3	64,500	48.4	140.1	67,200	51.2	142.3	69,400	75
78	41.5	133.0	61,700	45.7	137.2	65,800	48.7	139.7	67,800	78
80	39.6	130.8	59,800	44.0	135.3	64,800	47.0	138.0	66,700	80
85	34.3	124.1	54,900	39.2	129.7	59,400	42.5	133.0	62,800	85
89	29.4	117.5	51,500	34.9	124.3	55,600	38.5	128.2	58,900	89
90	28.2	115.9	50,700	33.8	122.9	54,600	37.5	127.0	57,900	90
95	20.5	104.8	44,800	27.6	114.5	50,400	31.9	119.8	53,300	95
100	7.0	84.4	34,200	19.6	103.1	46,400	25.3	110.6	49,200	100
105				4.1	79.2	34,400	16.3	97.4	45,000	105
108							6.7	82.6	37,600	108
110										110
114										114
115										115
119										119
120										120
124										124

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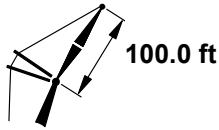
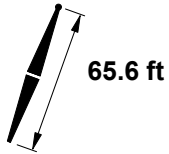
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	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34										34
35										35
40										40
45										45
50										50
53										53
55										55
60										60
65										65
66	62.3	150.4	78,500							66
70	59.4	148.2	75,800							70
75	55.6	145.0	71,300							75
78	53.2	142.8	68,000	57.4	144.7	66,100				78
80	51.7	141.3	65,800	55.9	143.4	64,000				80
85	47.5	137.1	61,100	52.0	139.8	59,400				85
89	43.9	133.1	57,800	48.6	136.4	56,200	53.0	138.3	54,600	89
90	43.0	132.1	57,000	47.8	135.5	55,400	52.1	137.5	53,900	90
95	38.1	126.3	53,300	43.4	130.6	51,800	48.0	133.4	50,400	95
100	32.6	119.2	50,000	38.5	124.9	48,700	43.6	128.5	47,300	100
105	26.1	110.3	47,100	33.0	117.9	45,800	38.7	122.8	44,500	105
108	20.9	102.8	45,500	29.2	112.7	44,200	35.5	118.6	43,000	108
110	17.5	97.8	44,400	26.6	109.2	43,200	33.3	115.9	42,000	110
114	3.4	76.0	38,100	20.0	99.5	41,300	28.2	109.0	40,200	114
115				18.3	97.1	40,800	26.9	107.3	39,700	115
119				6.4	78.8	39,000	20.4	97.8	38,000	119
120							18.7	95.4	37,600	120
124							7.5	78.2	36,000	124

MLC200 S-3

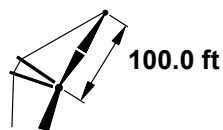
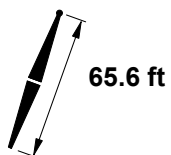
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	74.7	169.9	85,300 b							37
40	73.0	169.0	82,600 b							40
45	69.9	167.3	78,400							45
48	68.1	166.1	76,100	70.9	167.3	79,900 b				48
50	66.9	165.3	74,600	69.7	166.6	78,300				50
55	63.7	163.0	71,000	66.6	164.6	74,600				55
57	62.4	162.0	69,600	65.3	163.6	73,200	67.4	164.5	75,600	57
60	60.5	160.4	67,600	63.4	162.2	71,100	65.6	163.2	73,500	60
65	57.1	157.3	64,600	60.2	159.6	67,800	62.4	160.8	70,100	65
70	53.6	153.9	61,800	56.8	156.5	64,800	59.1	158.0	66,900	70
75	50.0	149.9	59,100	53.3	153.0	62,000	55.7	154.8	64,000	75
80	46.1	145.5	56,800	49.6	149.0	59,400	52.1	151.1	61,300	80
83	43.6	142.3	55,400	47.3	146.3	58,000	49.9	148.6	59,800	83
85	42.0	140.3	54,600	45.8	144.5	57,000	48.4	147.0	58,800	85
90	37.5	134.3	50,800	41.6	139.2	54,700	44.4	142.2	56,500	90
95	32.5	127.1	47,000	37.1	133.1	50,500	40.2	136.7	53,300	95
100	26.7	118.3	43,700	32.0	125.9	46,800	35.5	130.3	49,300	100
105	19.4	106.6	38,800	26.1	116.9	43,500	30.2	122.6	45,800	105
110	6.7	85.0	30,000	18.6	104.7	40,300	24.0	112.8	42,600	110
115				3.9	79.6	30,200	15.4	98.8	39,300	115
118							6.3	83.2	33,000	118
120										120
124										124
125										125
129										129
130										130
134										134

MLC200 S-3

ASME B30.5



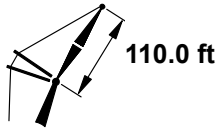
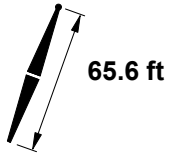
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37										37
40										40
45										45
48										48
50										50
55										55
57										57
60										60
65										65
70	62.7	159.6	70,300							70
75	59.4	156.9	67,300							75
80	56.1	153.7	64,400							80
83	53.9	151.6	62,300	57.7	153.4	60,900				83
85	52.5	150.1	60,800	56.3	152.1	59,100				85
90	48.8	146.0	56,700	52.8	148.5	55,100				90
95	44.9	141.3	53,100	49.1	144.5	51,600	53.0	146.3	50,100	95
100	40.7	135.9	49,800	45.2	139.8	48,400	49.3	142.3	47,000	100
105	36.1	129.6	46,900	41.0	134.5	45,500	45.4	137.7	44,200	105
110	30.9	122.1	44,200	36.4	128.3	43,000	41.2	132.4	41,700	110
115	24.7	112.6	41,800	31.3	120.8	40,600	36.7	126.2	39,500	115
118	19.8	104.6	40,500	27.7	115.2	39,300	33.6	121.7	38,200	118
120	16.6	99.3	39,600	25.3	111.5	38,500	31.5	118.8	37,400	120
124	3.2	76.3	33,600	18.9	101.3	36,900	26.7	111.4	35,900	124
125				17.4	98.7	36,500	25.5	109.6	35,500	125
129				6.0	79.4	35,000	19.3	99.5	34,100	129
130							17.8	97.0	33,700	130
134							7.1	78.9	32,300	134

MLC200 S-3

ASME B30.5



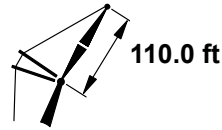
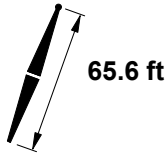
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
40	74.5	179.4	77,000 b							40
45	71.8	177.9	73,600 b							45
50	69.1	176.1	70,500							50
52	67.9	175.3	69,300	70.5	176.5	72,300				52
55	66.2	174.1	67,500	68.8	175.4	70,500				55
60	63.4	171.7	64,800	66.0	173.3	67,600	67.9	174.1	69,500	60
65	60.4	169.0	62,200	63.1	170.9	64,900	65.1	171.9	66,800	65
70	57.4	166.0	59,600	60.1	168.2	62,300	62.2	169.5	64,200	70
75	54.2	162.6	57,100	57.1	165.2	59,800	59.2	166.6	61,600	75
80	50.9	158.8	54,900	53.9	161.7	57,300	56.1	163.5	59,100	80
85	47.5	154.5	52,700	50.6	157.9	55,000	52.9	159.9	56,600	85
88	45.3	151.5	51,600	48.6	155.2	53,700	50.9	157.5	55,300	88
90	43.9	149.6	50,800	47.2	153.5	52,900	49.5	155.9	54,400	90
95	40.0	144.0	47,200	43.5	148.6	50,600	46.0	151.3	52,400	95
100	35.7	137.6	43,900	39.6	142.9	46,900	42.3	146.2	49,400	100
101	34.8	136.1	43,300	38.7	141.6	46,300	41.5	145.0	48,700	101
105	31.0	130.0	41,000	35.3	136.4	43,700	38.2	140.3	45,900	105
110	25.5	120.7	37,900	30.5	128.7	40,800	33.8	133.4	42,800	110
115	18.5	108.3	32,100	24.9	119.1	38,100	28.8	125.2	40,000	115
120	6.4	85.6	24,900	17.7	106.3	33,500	22.8	114.9	37,400	120
125				3.7	79.9	25,200	14.7	100.1	32,700	125
128							6.0	83.7	27,600	128
130										130
134										134
135										135
139										139
140										140
144										144

MLC200 S-3

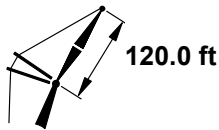
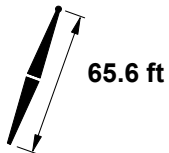
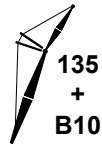
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
52										52
55										55
60										60
65										65
70										70
75	62.5	168.3	64,200							75
80	59.5	165.5	61,800							80
85	56.4	162.4	59,300							85
88	54.5	160.3	57,700	57.9	162.1	56,600				88
90	53.2	158.9	56,700	56.7	160.8	55,100				90
95	49.9	154.9	53,000	53.5	157.3	51,500				95
100	46.4	150.4	49,800	50.2	153.3	48,400				100
101	45.7	149.4	49,200	49.5	152.5	47,800	53.0	154.3	46,400	101
105	42.7	145.4	46,900	46.7	148.9	45,500	50.3	151.2	44,200	105
110	38.7	139.5	44,200	43.0	143.9	43,000	46.9	146.7	41,700	110
115	34.3	132.8	41,900	39.0	138.1	40,600	43.2	141.7	39,500	115
120	29.4	124.7	39,700	34.7	131.5	38,500	39.2	136.0	37,400	120
125	23.5	114.7	37,700	29.8	123.5	36,600	34.9	129.4	35,500	125
128	18.9	106.3	36,300	26.4	117.6	35,500	32.0	124.7	34,500	128
130	15.8	100.7	35,300	24.1	113.7	34,800	30.0	121.5	33,800	130
134	3.0	76.6	28,200	18.0	102.9	33,500	25.5	113.7	32,500	134
135				16.5	100.2	33,100	24.3	111.8	32,200	135
139				5.8	79.9	31,800	18.4	101.2	31,000	139
140							16.9	98.5	30,700	140
144							6.8	79.5	29,500	144

MLC200 S-3

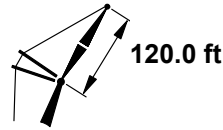
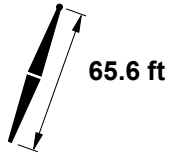
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42	74.9	189.2	70,200 b							42
45	73.4	188.4	68,300							45
50	70.9	186.8	65,300							50
55	68.3	184.9	62,400	70.6	186.0	65,200				55
60	65.7	182.8	59,800	68.1	184.2	62,400				60
64	63.6	180.9	57,800	66.0	182.4	60,300	67.8	183.3	62,000	64
65	63.1	180.4	57,200	65.5	182.0	59,800	67.3	182.9	61,500	65
70	60.4	177.7	54,900	62.8	179.6	57,300	64.6	180.6	59,000	70
75	57.6	174.7	52,600	60.1	176.9	55,000	62.0	178.1	56,600	75
79	55.3	172.0	50,900	57.9	174.4	53,200	59.8	175.9	54,800	79
80	54.7	171.3	50,500	57.3	173.8	52,700	59.2	175.3	54,300	80
85	51.7	167.6	48,500	54.5	170.5	50,600	56.4	172.2	52,100	85
90	48.6	163.4	46,500	51.5	166.7	48,600	53.5	168.7	50,000	90
94	46.0	159.7	45,000	49.0	163.3	46,900	51.1	165.5	48,400	94
95	45.4	158.8	44,600	48.3	162.5	46,500	50.5	164.7	48,000	95
100	41.9	153.5	42,800	45.1	157.8	44,700	47.3	160.4	46,000	100
105	38.2	147.6	40,900	41.6	152.5	42,900	44.0	155.5	44,200	105
107	36.6	144.8	39,800	40.1	150.0	42,100	42.5	153.3	43,500	107
110	34.1	140.7	38,300	37.8	146.4	40,700	40.4	150.0	42,500	110
115	29.6	132.7	35,900	33.8	139.5	38,100	36.6	143.7	39,900	115
120	24.4	122.9	33,200	29.2	131.3	35,700	32.3	136.4	37,400	120
125	17.7	109.9	28,300	23.8	121.3	33,600	27.6	127.7	35,100	125
130	6.1	86.1	22,000	17.0	107.9	29,500	21.8	116.8	32,900	130
135				3.5	80.2	22,400	14.1	101.4	29,000	135
138							5.8	84.3	24,500	138
140										140
144										144
145										145
149										149
150										150
154										154

MLC200 S-3

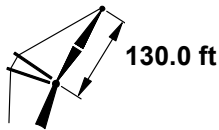
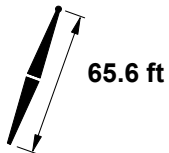
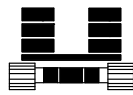
ASME B30.5



ft	75°			70°			65°			ft
	ft	lb	lb	ft	lb	lb	ft	lb	lb	
42										42
45										45
50										50
55										55
60										60
64										64
65										65
70										70
75										75
79	62.8	177.5	57,100							79
80	62.3	177.0	56,600							80
85	59.5	174.2	54,500							85
90	56.7	171.1	52,400							90
94	54.4	168.3	50,700	57.5	170.1	51,900				94
95	53.8	167.6	50,300	57.0	169.4	51,200				95
100	50.8	163.8	48,300	54.1	166.0	48,000				100
105	47.7	159.4	46,300	51.0	162.2	45,200				105
107	46.3	157.5	45,400	49.8	160.5	44,200	53.0	162.3	42,900	107
110	44.3	154.6	44,000	47.9	157.9	42,700	51.2	160.0	41,400	110
115	40.8	149.2	41,600	44.6	153.1	40,400	48.0	155.7	39,200	115
120	37.0	143.0	39,400	41.1	147.7	38,300	44.7	151.0	37,100	120
125	32.8	135.8	37,500	37.3	141.6	36,300	41.2	145.6	35,200	125
130	28.1	127.3	35,400	33.2	134.5	34,600	37.5	139.5	33,500	130
135	22.5	116.7	33,200	28.5	126.1	32,900	33.4	132.5	31,900	135
138	18.1	107.9	32,000	25.2	119.9	32,000	30.6	127.5	31,000	138
140	15.1	102.1	31,200	23.0	115.8	31,400	28.7	124.2	30,400	140
144	2.9	76.8	25,100	17.3	104.4	30,200	24.4	116.0	29,300	144
145				15.8	101.6	30,000	23.3	113.9	29,100	145
149				5.5	80.4	28,400	17.6	102.8	28,000	149
150							16.2	100.0	27,800	150
154							6.5	80.0	26,700	154

MLC200 S-3

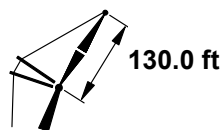
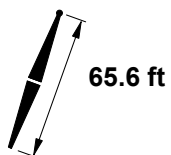
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	74.7	198.8	53,300							45
50	72.4	197.3	52,100							50
55	70.1	195.6	50,900							55
58	68.6	194.4	50,300	70.8	195.6	51,500				58
60	67.7	193.7	49,900	69.9	194.9	51,000				60
65	65.3	191.5	48,800	67.5	192.9	50,100				65
68	63.8	190.0	47,800	66.0	191.6	49,500	67.7	192.5	50,100	68
70	62.9	189.1	47,200	65.1	190.7	49,100	66.7	191.6	49,700	70
75	60.3	186.4	45,300	62.6	188.3	47,200	64.3	189.3	48,500	75
80	57.8	183.4	43,400	60.1	185.5	45,300	61.8	186.8	46,600	80
84	55.7	180.7	42,000	58.1	183.1	43,800	59.8	184.5	45,100	84
85	55.1	180.0	41,600	57.5	182.5	43,500	59.3	184.0	44,700	85
90	52.4	176.4	39,900	54.9	179.2	41,700	56.7	180.8	42,900	90
95	49.6	172.3	38,400	52.2	175.5	40,000	54.0	177.4	41,200	95
99	47.2	168.7	37,200	49.9	172.2	38,700	51.8	174.3	39,900	99
100	46.6	167.8	36,900	49.3	171.4	38,400	51.2	173.6	39,600	100
105	43.5	162.8	35,500	46.3	166.9	36,900	48.4	169.3	38,000	105
110	40.2	157.3	34,100	43.2	161.8	35,500	45.3	164.7	36,600	110
114	37.3	152.2	33,100	40.5	157.3	34,500	42.8	160.5	35,500	114
115	36.6	150.9	32,900	39.9	156.2	34,200	42.1	159.4	35,200	115
120	32.8	143.7	31,800	36.3	149.8	32,900	38.7	153.6	33,800	120
125	28.4	135.3	30,700	32.4	142.5	31,800	35.1	146.9	32,600	125
130	23.4	125.0	29,500	28.0	133.9	30,800	31.0	139.2	31,500	130
135	17.0	111.4	25,300	22.9	123.4	29,900	26.5	130.1	30,500	135
140	5.9	86.6	19,700	16.3	109.3	26,400	21.0	118.7	29,500	140
145				3.4	80.5	20,100	13.5	102.6	26,000	145
148							5.5	84.8	22,000	148
150										150
154										154
155										155
159										159
160										160
164										164

MLC200 S-3

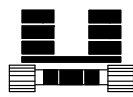
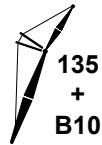
ASME B30.5



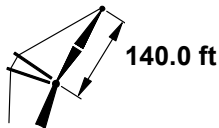
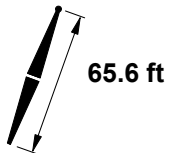
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
58										58
60										60
65										65
68										68
70										70
75										75
80										80
84	62.6	186.2	47,000							84
85	62.1	185.7	46,600							85
90	59.6	182.9	44,800							90
95	57.0	179.8	43,000							95
99	54.8	177.0	41,700	57.7	178.8	43,300				99
100	54.3	176.4	41,300	57.2	178.1	42,900				100
105	51.6	172.6	39,800	54.5	174.7	41,300				105
110	48.7	168.4	38,200	51.8	171.0	39,700				110
114	46.3	164.7	37,100	49.5	167.7	38,500	52.5	169.6	39,400	114
115	45.7	163.8	36,800	48.9	166.8	38,200	51.9	168.8	38,900	115
120	42.5	158.6	35,400	45.9	162.2	36,900	49.0	164.7	36,900	120
125	39.1	152.8	34,100	42.8	157.1	35,500	46.0	160.1	35,000	125
130	35.5	146.2	32,900	39.4	151.4	34,200	42.9	155.0	33,300	130
135	31.5	138.7	31,800	35.8	144.9	32,800	39.6	149.3	31,700	135
140	27.0	129.8	30,800	31.8	137.4	31,200	36.0	142.8	30,300	140
145	21.6	118.7	29,800	27.4	128.6	29,800	32.0	135.4	28,900	145
148	17.4	109.5	28,800	24.2	122.1	29,100	29.4	130.2	28,100	148
150	14.5	103.4	28,100	22.1	117.8	28,500	27.6	126.7	27,600	150
154	2.8	77.1	22,600	16.6	105.9	27,500	23.4	118.1	26,700	154
155				15.2	103.0	27,300	22.4	115.9	26,400	155
159				5.3	80.9	25,600	16.9	104.3	25,500	159
160							15.6	101.4	25,300	160
164							6.2	80.6	24,400	164

MLC200 S-3

ASME B30.5



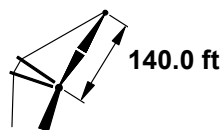
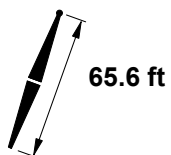
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	75.0	208.6	49,500							47
50	73.7	207.7	48,900							50
55	71.5	206.2	47,800							55
60	69.4	204.4	46,900							60
61	68.9	204.0	46,600	70.9	205.1	47,700				61
65	67.2	202.4	45,300	69.2	203.7	47,000				65
70	64.9	200.2	43,400	67.0	201.7	45,300				70
72	64.0	199.2	42,600	66.1	200.8	44,500	67.6	201.6	45,700	72
75	62.7	197.7	41,500	64.7	199.4	43,300	66.3	200.3	44,600	75
80	60.3	195.0	39,800	62.4	196.9	41,500	64.0	198.0	42,700	80
85	57.9	192.0	38,000	60.1	194.2	39,700	61.7	195.5	40,900	85
88	56.5	190.1	37,000	58.7	192.4	38,700	60.3	193.8	39,900	88
90	55.5	188.7	36,400	57.7	191.2	38,000	59.3	192.6	39,200	90
95	53.0	185.1	34,900	55.3	187.9	36,400	56.9	189.5	37,600	95
100	50.4	181.2	33,400	52.7	184.2	34,900	54.5	186.1	36,000	100
104	48.2	177.7	32,200	50.6	181.0	33,700	52.4	183.1	34,800	104
105	47.6	176.8	31,900	50.1	180.3	33,400	51.9	182.4	34,500	105
110	44.8	172.0	30,600	47.4	175.9	32,000	49.3	178.3	33,000	110
115	41.8	166.7	29,300	44.6	171.0	30,700	46.5	173.7	31,600	115
120	38.7	160.8	28,200	41.6	165.7	29,400	43.6	168.7	30,400	120
125	35.3	154.2	27,100	38.4	159.7	28,200	40.5	163.2	29,100	125
130	31.5	146.6	26,000	34.9	153.0	27,100	37.3	157.0	27,900	130
135	27.4	137.8	25,100	31.2	145.3	26,100	33.8	150.0	26,800	135
140	22.5	127.0	24,200	27.0	136.3	25,100	29.9	141.9	25,800	140
145	16.4	112.8	22,400	22.0	125.4	24,300	25.5	132.4	24,900	145
150	5.6	87.1	17,500	15.7	110.7	23,500	20.2	120.5	24,100	150
155				3.3	80.8	17,800	13.0	103.8	23,100	155
158							5.3	85.2	19,600	158
160										160
164										164
165										165
169										169
170										170
174										174

MLC200 S-3

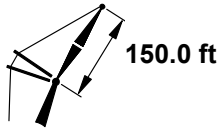
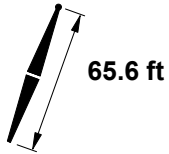
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47										47
50										50
55										55
60										60
61										61
65										65
70										70
72										72
75										75
80										80
85										85
88	62.9	195.4	41,600							88
90	61.9	194.3	41,000							90
95	59.6	191.5	39,300							95
100	57.2	188.4	37,700							100
104	55.2	185.7	36,400	57.9	187.4	37,900				104
105	54.7	185.1	36,100	57.4	186.8	37,600				105
110	52.2	181.4	34,700	54.9	183.4	36,100				110
115	49.5	177.3	33,200	52.4	179.8	34,700				115
120	46.8	172.8	31,900	49.8	175.7	33,300	52.5	177.6	34,500	120
125	43.9	167.9	30,500	47.0	171.3	31,900	49.9	173.5	33,100	125
130	40.9	162.4	29,300	44.2	166.4	30,600	47.1	169.1	31,800	130
135	37.7	156.3	28,100	41.1	161.0	29,400	44.3	164.2	30,500	135
140	34.2	149.4	27,000	37.9	154.9	28,300	41.3	158.8	29,300	140
145	30.3	141.5	26,000	34.5	148.1	27,200	38.1	152.8	28,200	145
150	26.0	132.1	25,100	30.7	140.2	26,100	34.6	146.0	27,200	150
155	20.8	120.6	24,200	26.4	131.0	25,200	30.8	138.2	26,200	155
158	16.7	111.0	23,800	23.3	124.2	24,700	28.3	132.7	25,500	158
160	14.0	104.6	23,600	21.3	119.7	24,400	26.6	129.1	25,100	160
164	2.7	77.3	20,200	16.0	107.4	23,900	22.5	120.1	24,200	164
165				14.7	104.3	23,700	21.5	117.9	24,000	165
169				5.1	81.3	23,000	16.3	105.7	23,200	169
170							15.0	102.7	23,000	170
174							6.0	81.1	22,200	174

MLC200 S-3

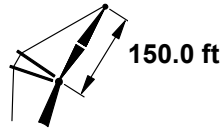
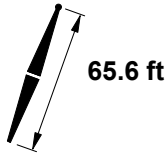
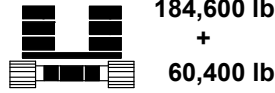
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50	74.8	218.1	45,800							50
55	72.8	216.7	44,800							55
60	70.8	215.0	43,800							60
65	68.8	213.2	41,900	70.6	214.3	43,700				65
70	66.7	211.2	40,100	68.6	212.5	41,800				70
75	64.6	208.9	38,300	66.5	210.4	40,000	67.9	211.2	41,100	75
80	62.5	206.4	36,600	64.4	208.1	38,300	65.8	209.1	39,400	80
85	60.3	203.7	35,000	62.3	205.6	36,600	63.7	206.7	37,700	85
90	58.1	200.7	33,400	60.1	202.9	35,000	61.6	204.1	36,000	90
93	56.7	198.7	32,500	58.8	201.1	34,000	60.3	202.4	35,100	93
95	55.8	197.4	31,900	57.9	199.9	33,400	59.4	201.3	34,400	95
100	53.5	193.9	30,500	55.6	196.6	31,900	57.1	198.2	33,000	100
105	51.0	190.0	29,100	53.2	193.0	30,500	54.8	194.8	31,500	105
110	48.5	185.8	27,800	50.8	189.1	29,100	52.5	191.1	30,100	110
115	45.9	181.2	26,600	48.3	184.8	27,800	50.0	187.1	28,800	115
120	43.2	176.1	25,400	45.7	180.2	26,600	47.5	182.7	27,500	120
125	40.4	170.5	24,300	43.0	175.0	25,400	44.8	177.9	26,300	125
126	39.7	169.2	24,100	42.4	173.9	25,200	44.3	176.9	26,000	126
130	37.3	164.3	23,200	40.1	169.4	24,300	42.1	172.7	25,100	130
135	34.0	157.3	22,200	37.0	163.1	23,200	39.1	166.8	24,000	135
140	30.4	149.4	21,300	33.7	156.1	22,300	36.0	160.3	23,000	140
145	26.4	140.1	20,500	30.1	148.1	21,300	32.6	153.0	22,000	145
150	21.8	129.0	19,700	26.0	138.7	20,500	28.8	144.6	21,100	150
155	15.8	114.3	19,100	21.3	127.3	19,700	24.6	134.6	20,300	155
160	5.5	87.6	15,700	15.2	112.1	19,000	19.5	122.3	19,500	160
165				3.2	81.1	16,100	12.6	104.9	18,900	165
168							5.2	85.7	17,700	168
170										170
174										174
175										175
179										179
180										180
184										184

MLC200 S-3

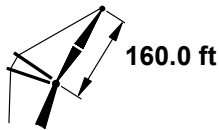
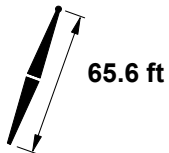
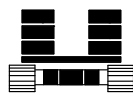
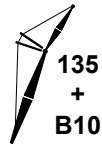
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
93	62.7	204.0	36,700							93
95	61.8	203.0	36,100							95
100	59.6	200.2	34,600							100
105	57.4	197.1	33,100							105
110	55.1	193.8	31,600	57.6	195.5	32,900				110
115	52.7	190.1	30,300	55.3	192.1	31,600				115
120	50.3	186.2	28,900	52.9	188.5	30,300				120
125	47.8	181.8	27,600	50.5	184.6	29,000				125
126	47.2	180.9	27,400	50.0	183.7	28,700	52.5	185.6	29,800	126
130	45.1	177.1	26,400	48.0	180.3	27,700	50.6	182.4	28,900	130
135	42.4	171.8	25,200	45.3	175.5	26,500	48.1	178.1	27,600	135
140	39.4	166.1	24,200	42.6	170.4	25,400	45.5	173.4	26,500	140
145	36.3	159.6	23,100	39.7	164.6	24,300	42.7	168.2	25,300	145
150	33.0	152.4	22,200	36.6	158.3	23,200	39.8	162.5	24,300	150
155	29.3	144.1	21,300	33.3	151.1	22,300	36.7	156.2	23,300	155
160	25.1	134.4	20,400	29.6	142.9	21,400	33.4	149.1	22,300	160
165	20.1	122.4	19,700	25.5	133.3	20,500	29.8	140.9	21,400	165
168	16.2	112.4	19,300	22.5	126.2	20,100	27.3	135.2	20,900	168
170	13.5	105.8	19,000	20.6	121.5	19,800	25.6	131.4	20,600	170
174	2.6	77.6	18,300	15.4	108.7	19,300	21.8	122.1	20,000	174
175				14.2	105.5	19,200	20.8	119.7	19,800	175
179				4.9	81.7	18,900	15.7	107.1	19,300	179
180							14.5	104.0	19,200	180
184							5.8	81.6	18,900	184

MLC200 S-3

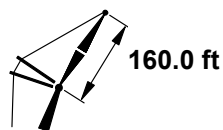
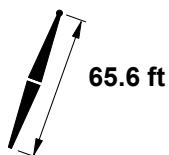
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
53	74.7	227.7	42,100						53	
55	73.9	227.1	41,700						55	
60	72.1	225.6	40,200						60	
65	70.2	223.9	38,400						65	
68	69.0	222.7	37,400	70.7	223.9	39,000			68	
70	68.2	222.0	36,700	70.0	223.2	38,300			70	
75	66.3	219.9	35,000	68.1	221.2	36,600			75	
79	64.7	218.0	33,600	66.5	219.5	35,200	67.8	220.4	36,300	79
80	64.3	217.6	33,300	66.1	219.1	34,900	67.4	220.0	36,000	80
85	62.3	215.1	31,800	64.2	216.8	33,300	65.5	217.8	34,300	85
90	60.3	212.3	30,300	62.1	214.3	31,700	63.5	215.4	32,700	90
95	58.2	209.4	28,800	60.1	211.5	30,200	61.5	212.8	31,200	95
97	57.3	208.1	28,200	59.3	210.3	29,600	60.7	211.6	30,600	97
100	56.1	206.1	27,400	58.0	208.5	28,800	59.4	210.0	29,800	100
105	53.9	202.6	26,100	55.9	205.3	27,400	57.3	206.9	28,300	105
110	51.6	198.8	24,800	53.7	201.7	26,000	55.2	203.5	27,000	110
115	49.3	194.7	23,600	51.4	197.9	24,800	53.0	199.9	25,700	115
120	46.9	190.2	22,400	49.1	193.7	23,600	50.7	196.0	24,500	120
125	44.4	185.3	21,400	46.7	189.2	22,400	48.3	191.7	23,300	125
130	41.8	180.0	20,300	44.2	184.3	21,400	45.9	187.1	22,100	130
132	40.7	177.6	19,900	43.1	182.1	20,900	44.9	185.0	21,700	132
135	39.0	174.1	19,400	41.5	178.9	20,300	43.3	182.0	21,000	135
140	36.1	167.6	18,400	38.8	173.0	19,300	40.7	176.4	20,000	140
145	32.9	160.3	17,500	35.8	166.4	18,400	37.8	170.3	19,000	145
150	29.5	152.1	16,700	32.6	159.1	17,600	34.8	163.5	18,200	150
155	25.6	142.5	15,900	29.1	150.7	16,700	31.5	155.8	17,300	155
160	21.1	130.9	15,300	25.2	140.9	15,900	27.9	147.1	16,500	160
165	15.3	115.6	14,400	20.6	129.1	15,200	23.8	136.8	15,700	165
170	5.3	88.1	13,600	14.7	113.4	14,300	18.9	124.0	15,000	170
175				3.1	81.4	13,600	12.2	106.0	14,000	175
178							5.0	86.1	13,600	178
180										180
184										184
185										185
189										189
190										190
194										194

MLC200 S-3

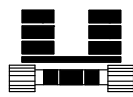
ASME B30.5



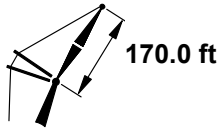
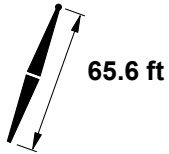
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53										53
55										55
60										60
65										65
68										68
70										70
75										75
79										79
80										80
85										85
90										90
95										95
97	62.9	213.2	32,100							97
100	61.7	211.7	31,300							100
105	59.7	208.8	29,800							105
110	57.6	205.8	28,400							110
115	55.4	202.5	27,100	57.7	204.1	28,400				115
120	53.2	198.9	25,800	55.6	200.8	27,100				120
125	50.9	195.0	24,600	53.4	197.3	25,800				125
130	48.6	190.8	23,400	51.1	193.4	24,600				130
132	47.6	188.9	23,000	50.2	191.7	24,200	52.6	193.6	25,200	132
135	46.2	186.2	22,300	48.8	189.2	23,500	51.2	191.2	24,600	135
140	43.6	181.1	21,200	46.4	184.6	22,400	48.9	187.0	23,400	140
145	41.0	175.6	20,200	43.8	179.6	21,300	46.5	182.5	22,300	145
150	38.1	169.6	19,200	41.2	174.2	20,300	43.9	177.5	21,300	150
155	35.1	162.9	18,300	38.4	168.2	19,300	41.3	172.1	20,300	155
160	31.9	155.3	17,400	35.4	161.5	18,400	38.5	166.1	19,300	160
165	28.3	146.7	16,600	32.2	154.0	17,500	35.5	159.4	18,400	165
170	24.3	136.6	15,800	28.6	145.5	16,700	32.3	152.0	17,600	170
175	19.5	124.1	15,200	24.6	135.5	15,900	28.8	143.5	16,800	175
178	15.6	113.8	14,600	21.8	128.2	15,500	26.4	137.6	16,300	178
180	13.1	107.0	14,200	19.9	123.3	15,300	24.8	133.6	16,000	180
184	2.5	77.8	13,600	14.9	110.1	14,500	21.1	123.9	15,500	184
185				13.7	106.8	14,300	20.1	121.5	15,300	185
189				4.8	82.2	13,700	15.2	108.5	14,500	189
190							14.0	105.3	14,400	190
194							5.6	82.1	13,800	194

MLC200 S-3

ASME B30.5



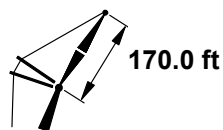
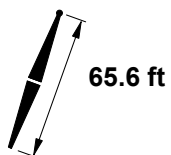
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	74.9	237.5	38,800							55
60	73.1	236.1	37,200							60
65	71.4	234.5	35,400							65
70	69.6	232.7	33,800							70
71	69.2	232.3	33,400	70.9	233.4	35,000				71
75	67.8	230.7	32,200	69.4	232.0	33,700				75
80	65.9	228.6	30,600	67.6	230.0	32,100				80
83	64.8	227.2	29,800	66.5	228.7	31,200	67.7	229.5	32,100	83
85	64.1	226.3	29,200	65.8	227.8	30,500	67.0	228.7	31,500	85
90	62.2	223.7	27,700	63.9	225.5	29,100	65.2	226.5	30,000	90
95	60.3	221.0	26,300	62.0	222.9	27,700	63.3	224.1	28,600	95
100	58.3	218.0	25,000	60.1	220.2	26,300	61.4	221.4	27,200	100
102	57.5	216.7	24,500	59.3	219.0	25,700	60.6	220.3	26,700	102
105	56.3	214.8	23,800	58.1	217.2	24,900	59.5	218.6	25,900	105
110	54.3	211.3	22,500	56.1	214.0	23,700	57.5	215.5	24,500	110
115	52.2	207.6	21,300	54.1	210.5	22,500	55.5	212.2	23,300	115
120	50.0	203.6	20,200	52.0	206.7	21,300	53.4	208.7	22,200	120
125	47.7	199.2	19,200	49.8	202.6	20,200	51.3	204.8	21,000	125
130	45.4	194.5	18,200	47.5	198.2	19,200	49.1	200.6	19,900	130
135	43.0	189.3	17,200	45.2	193.5	18,200	46.8	196.1	18,900	135
138	41.5	186.0	16,600	43.8	190.4	17,600	45.4	193.2	18,300	138
140	40.5	183.7	16,300	42.8	188.3	17,200	44.4	191.2	17,900	140
145	37.8	177.6	15,500	40.2	182.6	16,300	42.0	185.9	16,900	145
150	35.0	170.8	14,600	37.6	176.4	15,400	39.4	180.1	16,000	150
155	31.9	163.2	13,900	34.7	169.6	14,700	36.7	173.7	15,200	155
160	28.6	154.6	13,100	31.6	161.9	13,800	33.7	166.6	14,400	160
165	24.8	144.7	12,100	28.2	153.2	13,000	30.6	158.6	13,600	165
170	20.4	132.7	11,200	24.4	143.1	12,000	27.1	149.5	12,700	170
175	14.9	117.0	10,400	20.0	130.9	11,100	23.1	138.8	11,800	175
180	5.1	88.6	9,700	14.3	114.7	10,400	18.3	125.6	10,900	180
185				3.0	81.6	9,700	11.8	107.0	10,200	185
188							4.9	86.6	9,700	188
190										190
194										194
195										195
199										199
200										200
204										204

MLC200 S-3

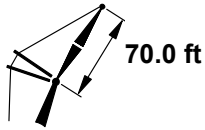
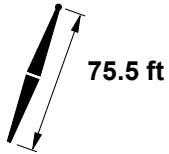
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
71										71
75										75
80										80
83										83
85										85
90										90
95										95
100										100
102	62.8	221.9	28,000							102
105	61.6	220.3	27,300							105
110	59.7	217.5	25,900							110
115	57.7	214.5	24,700							115
120	55.7	211.2	23,500	57.9	212.8	24,600				120
125	53.6	207.6	22,200	55.8	209.5	23,400				125
130	51.5	203.8	21,100	53.8	206.0	22,300				130
135	49.3	199.7	20,000	51.7	202.2	21,200				135
138	47.9	197.0	19,400	50.4	199.7	20,500	52.6	201.6	21,500	138
140	47.0	195.2	19,000	49.5	198.1	20,100	51.8	200.0	21,100	140
145	44.7	190.3	18,000	47.2	193.7	19,100	49.6	195.9	20,000	145
150	42.3	185.1	17,100	44.9	188.8	18,100	47.3	191.5	19,100	150
155	39.7	179.3	16,200	42.5	183.6	17,100	45.0	186.7	18,100	155
160	37.0	173.0	15,400	39.9	177.9	16,300	42.6	181.5	17,200	160
165	34.1	166.0	14,500	37.2	171.6	15,400	40.0	175.8	16,300	165
170	30.9	158.1	13,700	34.3	164.6	14,600	37.3	169.5	15,400	170
175	27.5	149.2	12,800	31.2	156.9	13,800	34.4	162.6	14,600	175
180	23.6	138.7	11,900	27.8	148.0	12,900	31.3	154.9	13,900	180
185	18.9	125.8	11,100	23.9	137.7	12,000	27.9	146.1	13,000	185
188	15.2	115.2	10,600	21.1	130.1	11,500	25.6	139.9	12,400	188
190	12.7	108.1	10,300	19.3	125.1	11,100	24.1	135.8	12,100	190
194	2.4	78.0	9,800	14.5	111.4	10,500	20.4	125.8	11,400	194
195				13.3	107.9	10,300	19.5	123.3	11,200	195
199				4.6	82.6	9,800	14.8	109.8	10,500	199
200							13.6	106.5	10,400	200
204							5.5	82.6	9,800	204

MLC200 S-3

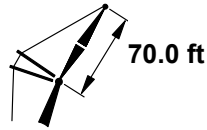
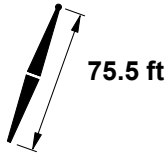
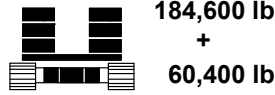
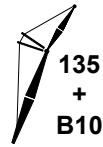
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	74.4	150.6	116,100 d							30
35	70.1	149.0	114,700 c							35
40	65.7	147.0	108,600 b	70.3	148.5	115,500 c				40
45	61.1	144.5	103,200 b	65.9	146.5	109,500 b				45
47	59.2	143.3	101,300 b	64.1	145.5	107,300 b	67.6	146.6	111,800 b	47
50	56.3	141.5	98,500	61.3	144.0	104,100 b	64.9	145.3	108,400 b	50
55	51.3	137.8	94,300	56.6	141.0	99,300	60.3	142.7	103,200 b	55
59	46.9	134.3	90,500	52.5	138.1	96,000	56.4	140.2	97,800 b	59
60	45.8	133.4	89,500	51.5	137.4	95,200	55.5	139.6	96,400	60
65	39.8	128.0	80,000	46.1	133.0	88,800	50.3	135.8	87,200	65
70	32.9	121.2	72,000	40.1	127.6	80,600	44.8	131.2	79,600	70
71	31.1	119.3	70,600	38.7	126.3	78,900	43.6	130.1	78,300	71
75	24.3	112.0	65,200	33.2	120.9	72,500	38.6	125.6	73,100	75
80	10.6	96.1	50,100	24.7	111.9	65,600	31.5	118.5	67,500	80
81	4.3	88.4	44,800	22.1	108.8	63,300	29.7	116.5	66,500	81
82				19.5	105.8	61,000	27.9	114.5	65,600	82
85				11.6	96.7	54,000	22.5	108.7	62,600	85
86				6.3	90.3	49,100	19.1	104.6	60,200	86
90							5.5	88.5	50,500	90
95										95
96										96
100										100
102										102
105										105
108										108

MLC200 S-3

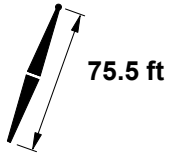
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30										30
35										35
40										40
45										45
47										47
50										50
55										55
59	62.5	142.4	95,500 b							59
60	61.6	141.8	93,500 b							60
65	56.8	138.9	84,600							65
70	51.8	135.3	77,200							70
71	50.7	134.4	75,900	57.0	136.8	73,500				71
75	46.4	130.9	70,900	53.1	134.1	68,700				75
80	40.4	125.7	65,500	47.7	129.9	63,500				80
81	39.1	124.3	64,600	46.6	128.9	62,600				81
82	37.7	123.0	63,600	45.4	127.9	61,700	52.0	130.6	59,700	82
85	33.6	119.0	60,800	41.9	124.9	58,900	48.8	128.1	57,100	85
86	31.9	117.2	59,900	40.6	123.6	58,100	47.7	127.1	56,300	86
90	25.3	110.2	56,600	35.4	118.6	54,900	43.2	123.3	53,200	90
95	12.7	95.6	52,900	27.5	110.5	51,300	36.8	117.3	49,800	95
96	8.1	90.2	52,100	25.3	108.0	50,700	35.3	115.8	49,100	96
100				16.6	98.1	48,100	29.3	109.6	46,700	100
102				9.3	89.4	46,900	25.3	105.2	45,600	102
105							19.3	98.5	43,900	105
108							9.3	86.8	42,300	108

MLC200 S-3

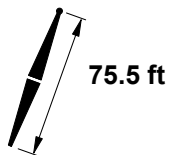
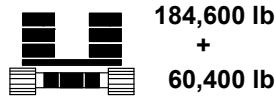
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.9	160.5	105,800 c							32
35	72.7	159.6	105,700 c							35
40	68.9	157.8	100,400 b							40
43	66.6	156.6	97,400 b	70.6	158.1	103,300 b				43
45	65.0	155.7	95,300 b	69.1	157.3	101,100 b				45
50	61.0	153.2	90,800	65.2	155.2	96,100 b				50
51	60.1	152.6	90,000	64.4	154.7	95,200 b	67.5	155.8	99,100 b	51
55	56.8	150.1	86,700	61.2	152.7	91,700	64.3	154.0	95,300 b	55
60	52.4	146.6	83,100	57.0	149.7	87,600	60.3	151.4	91,000	60
64	48.7	143.2	80,500	53.5	146.9	84,600	56.9	148.9	87,800	64
65	47.7	142.4	79,800	52.6	146.2	83,900	56.0	148.3	87,000	65
70	42.7	137.4	72,400	48.0	142.0	80,700	51.6	144.6	79,400	70
75	37.1	131.5	65,700	42.9	137.1	72,900	46.9	140.3	72,900	75
76	35.8	130.0	64,600	41.8	135.9	71,500	45.9	139.3	71,800	76
80	30.7	124.0	60,000	37.4	131.2	66,100	41.8	135.2	67,300	80
85	22.7	114.1	55,000	31.0	123.8	60,400	36.1	129.0	62,500	85
88	15.0	103.8	47,800	26.3	117.9	57,300	32.1	124.3	60,000	88
90	9.9	97.0	43,100	23.1	114.0	55,300	29.4	121.2	58,200	90
91	4.0	88.8	38,800	20.7	110.7	53,500	27.7	119.1	57,500	91
95				10.8	97.6	46,400	21.0	110.6	54,300	95
96				5.9	90.8	42,500	17.8	106.3	52,200	96
100							5.1	89.0	43,700	100
105										105
106										106
110										110
112										112
115										115
118										118

MLC200 S-3

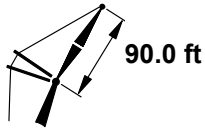
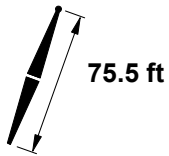
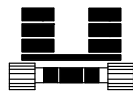
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32										32
35										35
40										40
43										43
45										45
50										50
51										51
55										55
60										60
64	62.2	151.1	85,900							64
65	61.4	150.5	84,300							65
70	57.2	147.5	76,900							70
75	52.9	144.1	70,600							75
76	51.9	143.2	69,600	57.4	145.5	67,300				76
80	48.2	139.9	65,300	54.0	142.8	63,200				80
85	43.2	135.1	60,600	49.4	138.8	58,600				85
88	39.9	131.5	58,100	46.4	136.0	56,200	52.2	138.6	54,400	88
90	37.7	129.2	56,400	44.5	134.2	54,700	50.3	137.0	52,900	90
91	36.4	127.7	55,700	43.4	133.0	53,900	49.4	136.1	52,200	91
95	31.4	121.9	52,800	39.1	128.6	51,100	45.5	132.5	49,500	95
96	29.8	120.0	52,100	37.9	127.2	50,500	44.4	131.4	48,900	96
100	23.6	112.3	49,500	33.0	121.7	48,000	40.2	127.1	46,400	100
105	11.8	96.7	46,500	25.7	112.8	45,100	34.3	120.5	43,700	105
106	7.6	90.8	45,900	23.7	110.2	44,600	32.9	118.8	43,200	106
110				15.5	99.5	42,500	27.3	112.1	41,200	110
112				8.7	90.2	41,500	23.6	107.3	40,300	112
115							18.0	100.2	38,900	115
118							8.7	87.6	37,600	118

MLC200 S-3

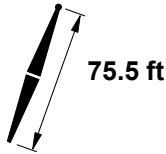
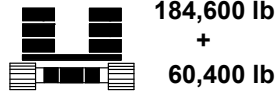
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	74.7	170.0	92,800 c							35
40	71.3	168.5	88,100 b							40
45	67.9	166.6	83,800 b							45
46	67.2	166.2	83,000 b	70.8	167.6	87,800 b				46
50	64.5	164.4	79,800	68.1	166.1	84,300 b				50
55	60.9	161.8	76,200	64.6	163.9	80,500	67.3	164.9	83,600 b	55
60	57.2	158.8	72,900	61.0	161.3	77,000	63.8	162.7	79,800	60
65	53.3	155.4	69,900	57.3	158.4	73,700	60.2	160.0	76,400	65
68	50.8	152.9	68,300	55.0	156.3	71,800	58.0	158.2	74,500	68
70	49.2	151.3	67,200	53.5	154.9	70,600	56.5	156.9	73,200	70
75	44.9	146.7	64,600	49.4	150.9	67,900	52.6	153.4	70,300	75
80	40.1	141.2	60,900	45.1	146.3	65,400	48.5	149.3	67,200	80
81	39.1	139.9	59,900	44.1	145.2	64,600	47.6	148.3	66,300	81
85	34.9	134.7	55,900	40.4	140.9	61,300	44.1	144.5	62,400	85
90	28.9	126.7	51,500	35.2	134.4	56,200	39.3	138.9	58,200	90
94	22.9	118.1	48,400	30.4	128.1	52,700	35.0	133.5	55,200	94
95	21.4	116.0	47,600	29.2	126.5	51,800	33.9	132.1	54,400	95
100	9.3	97.8	37,800	21.8	116.0	47,900	27.7	123.7	51,000	100
101	3.8	89.1	34,100	19.5	112.5	46,400	26.1	121.5	50,200	101
105				10.2	98.6	40,700	19.8	112.4	47,100	105
106				5.6	91.3	37,400	16.8	107.8	45,400	106
110							4.8	89.4	38,500	110
115										115
116										116
120										120
122										122
125										125
128										128

MLC200 S-3

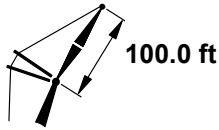
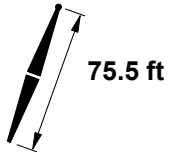
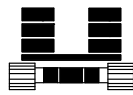
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35										35
40										40
45										45
46										46
50										50
55										55
60										60
65										65
68	62.7	160.2	78,600							68
70	61.2	159.2	76,700							70
75	57.5	156.2	70,500							75
80	53.7	152.8	65,100							80
81	52.9	152.0	64,200	57.7	154.2	62,000				81
85	49.6	148.8	60,400	54.6	151.5	58,500				85
90	45.3	144.3	56,300	50.6	147.7	54,500				90
94	41.6	140.0	53,400	47.2	144.2	51,700	52.3	146.6	49,900	94
95	40.6	138.9	52,700	46.4	143.3	51,000	51.5	145.8	49,300	95
100	35.5	132.5	49,500	41.8	138.1	47,800	47.3	141.5	46,300	100
101	34.3	130.9	48,900	40.8	136.9	47,300	46.4	140.5	45,700	101
105	29.5	124.7	46,500	36.8	132.0	45,000	42.8	136.5	43,500	105
106	28.1	122.6	46,000	35.6	130.5	44,500	41.8	135.3	43,100	106
110	22.3	114.4	43,900	31.1	124.6	42,500	37.8	130.6	41,100	110
115	11.2	97.7	41,400	24.2	115.0	40,200	32.3	123.5	38,900	115
116	7.2	91.5	41,000	22.3	112.2	39,700	31.0	121.7	38,400	116
120				14.6	100.9	38,000	25.7	114.5	36,800	120
122				8.2	90.9	37,200	22.2	109.4	36,000	122
125							17.0	101.7	34,900	125
128							8.2	88.3	33,800	128

MLC200 S-3

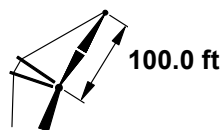
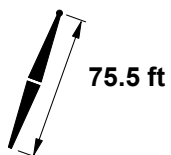
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	74.5	179.5	84,300 c							38
40	73.3	179.0	82,600 b							40
45	70.2	177.3	78,400 b							45
49	67.8	175.8	75,300 b	71.0	177.1	79,600 b				49
50	67.2	175.4	74,600	70.4	176.8	78,900 b				50
55	64.0	173.1	71,100	67.3	174.9	75,100				55
58	62.1	171.5	69,100	65.4	173.5	73,000	67.9	174.5	75,800	58
60	60.8	170.5	67,800	64.2	172.6	71,600	66.6	173.7	74,400	60
65	57.5	167.5	64,700	60.9	170.0	68,300	63.5	171.4	71,000	65
70	54.0	164.1	61,900	57.6	167.0	65,300	60.2	168.7	67,800	70
73	51.8	161.8	60,400	55.5	165.0	63,700	58.2	166.8	66,100	73
75	50.4	160.2	59,400	54.2	163.6	62,600	56.9	165.6	64,900	75
80	46.5	155.8	57,000	50.5	159.8	60,000	53.4	162.1	62,200	80
85	42.4	150.7	54,800	46.7	155.4	57,500	49.7	158.2	59,600	85
86	41.5	149.5	54,100	45.9	154.4	57,100	48.9	157.2	59,200	86
90	38.0	144.8	51,600	42.6	150.3	55,400	45.8	153.6	57,300	90
95	33.1	137.8	47,800	38.2	144.5	51,900	41.7	148.4	54,200	95
100	27.4	129.2	44,400	33.3	137.5	48,100	37.2	142.3	50,900	100
105	20.3	117.9	41,300	27.7	129.0	44,600	32.1	135.1	47,400	105
110	8.9	98.6	33,100	20.7	117.9	41,500	26.3	126.1	44,000	110
111	3.6	89.4	30,000	18.5	114.2	40,300	24.8	123.7	43,400	111
115				9.7	99.4	35,700	18.8	114.1	40,900	115
116				5.3	91.8	32,900	15.9	109.2	39,500	116
120							4.6	89.8	33,900	120
125										125
126										126
130										130
132										132
135										135
138										138

MLC200 S-3

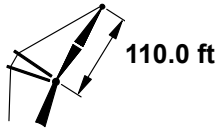
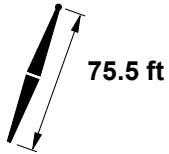
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38										38
40										40
45										45
49										49
50										50
55										55
58										58
60										60
65										65
70										70
73	62.4	168.9	69,900							73
75	61.1	167.8	68,600							75
80	57.8	164.9	64,800							80
85	54.3	161.5	60,100							85
86	53.6	160.8	59,300	57.9	162.9	57,300				86
90	50.7	157.7	56,000	55.2	160.2	54,200				90
95	46.9	153.3	52,400	51.6	156.5	50,700				95
100	42.9	148.3	49,200	47.9	152.3	47,500	52.4	154.6	45,900	100
105	38.5	142.5	46,300	43.9	147.4	44,700	48.6	150.5	43,200	105
110	33.6	135.6	43,700	39.6	141.8	42,200	44.7	145.8	40,800	110
111	32.5	133.9	43,200	38.6	140.5	41,800	43.9	144.7	40,300	111
115	28.0	127.2	41,300	34.8	135.2	39,900	40.5	140.3	38,600	115
116	26.6	125.0	40,900	33.8	133.6	39,500	39.5	139.0	38,200	116
120	21.1	116.3	39,100	29.5	127.3	37,800	35.8	134.0	36,500	120
125	10.6	98.6	37,100	23.0	117.1	35,900	30.6	126.3	34,700	125
126	6.8	92.1	36,700	21.1	114.1	35,500	29.4	124.4	34,300	126
130				13.9	102.1	34,100	24.4	116.7	33,000	130
132				7.8	91.6	33,400	21.1	111.3	32,300	132
135							16.1	103.2	31,300	135
138							7.8	89.0	30,400	138

MLC200 S-3

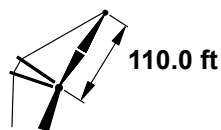
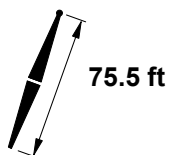
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	74.8	189.4	76,700 b							40
45	72.1	187.9	73,500 b							45
50	69.3	186.1	70,300							50
53	67.7	184.9	68,600	70.6	186.3	71,900				53
55	66.5	184.1	67,500	69.5	185.6	70,800				55
60	63.7	181.8	64,800	66.7	183.6	67,900				60
62	62.5	180.7	63,800	65.5	182.7	66,900	67.7	183.7	68,900	62
65	60.7	179.2	62,200	63.8	181.3	65,300	66.0	182.4	67,400	65
70	57.7	176.2	59,700	60.9	178.7	62,800	63.2	180.0	64,800	70
75	54.6	172.8	57,300	57.8	175.7	60,200	60.2	177.3	62,300	75
77	53.2	171.3	56,400	56.6	174.4	59,200	59.0	176.1	61,300	77
80	51.3	169.0	55,000	54.7	172.4	57,800	57.1	174.3	59,800	80
85	47.9	164.8	52,900	51.4	168.6	55,400	54.0	170.9	57,400	85
90	44.2	160.0	50,900	48.0	164.4	53,300	50.7	167.0	55,100	90
92	42.7	157.8	49,700	46.6	162.4	52,500	49.3	165.3	54,300	92
95	40.4	154.5	47,900	44.4	159.6	51,300	47.2	162.7	53,000	95
100	36.2	148.1	44,600	40.6	154.1	48,200	43.6	157.7	50,900	100
105	31.5	140.7	41,600	36.4	147.8	44,800	39.7	152.1	47,500	105
106	30.4	138.8	41,000	35.4	146.3	44,200	38.8	150.8	46,800	106
110	26.1	131.6	38,900	31.7	140.4	41,800	35.4	145.6	44,200	110
115	19.3	119.6	34,800	26.4	131.4	39,100	30.6	137.9	41,300	115
120	8.5	99.4	27,600	19.7	119.6	36,500	25.0	128.4	38,600	120
121	3.4	89.7	25,000	17.6	115.8	35,200	23.6	125.9	38,100	121
125				9.2	100.3	29,800	17.9	115.7	36,100	125
126				5.1	92.3	27,500	15.2	110.6	34,500	126
130							4.4	90.2	28,400	130
135										135
136										136
140										140
142										142
145										145
148										148

MLC200 S-3

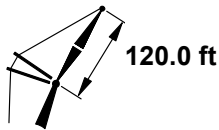
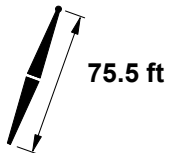
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40										40
45										45
50										50
53										53
55										55
60										60
62										62
65										65
70										70
75										75
77	62.8	178.1	64,200							77
80	61.0	176.5	62,800							80
85	58.0	173.6	60,100							85
90	54.9	170.2	56,000							90
92	53.6	168.7	54,600	57.5	170.9	52,700				92
95	51.6	166.5	52,400	55.6	168.9	50,600				95
100	48.2	162.3	49,200	52.4	165.3	47,500				100
105	44.6	157.5	46,300	49.1	161.2	44,700				105
106	43.9	156.4	45,800	48.4	160.3	44,200	52.4	162.6	42,700	106
110	40.8	152.1	43,700	45.5	156.6	42,200	49.8	159.4	40,800	110
115	36.6	145.9	41,400	41.7	151.3	39,900	46.3	154.9	38,600	115
120	32.0	138.5	39,200	37.7	145.3	37,900	42.5	149.8	36,500	120
121	30.9	136.8	38,800	36.8	143.9	37,500	41.7	148.6	36,200	121
125	26.7	129.6	37,200	33.2	138.3	35,900	38.5	143.9	34,700	125
126	25.4	127.3	36,900	32.1	136.6	35,600	37.6	142.5	34,400	126
130	20.1	118.1	35,400	28.1	129.8	34,200	34.1	137.1	33,000	130
135	10.1	99.5	33,700	21.9	119.1	32,600	29.2	129.0	31,400	135
136	6.5	92.7	31,900	20.2	115.9	32,300	28.0	126.9	31,100	136
140				13.2	103.3	31,000	23.2	118.8	30,000	140
142				7.4	92.3	30,400	20.1	113.1	29,400	142
145							15.4	104.5	28,600	145
148							7.5	89.7	27,800	148

MLC200 S-3

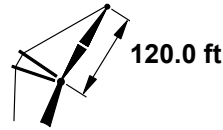
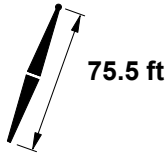
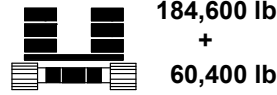
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43	74.6	198.9	69,400 b							43
45	73.6	198.3	68,100 b							45
50	71.1	196.8	65,200							50
55	68.6	194.9	62,400							55
56	68.1	194.5	61,900	70.7	195.9	64,900				56
60	66.0	192.8	59,800	68.7	194.4	62,800				60
65	63.4	190.5	57,300	66.1	192.3	60,200				65
66	62.8	189.9	56,800	65.6	191.9	59,700	67.6	192.9	61,600	66
70	60.7	187.8	54,900	63.5	190.0	57,700	65.5	191.1	59,600	70
75	57.9	184.8	52,700	60.8	187.3	55,400	62.9	188.7	57,200	75
80	55.0	181.5	50,600	58.0	184.4	53,100	60.2	186.0	54,900	80
82	53.8	180.0	49,800	56.9	183.1	52,300	59.1	184.8	54,100	82
85	52.0	177.8	48,600	55.2	181.1	51,000	57.4	183.0	52,800	85
90	49.0	173.7	46,600	52.2	177.4	49,000	54.5	179.6	50,700	90
95	45.7	169.1	44,700	49.1	173.3	47,000	51.5	175.8	48,700	95
97	44.3	167.0	44,000	47.8	171.5	46,200	50.3	174.1	47,800	97
100	42.3	163.9	43,000	45.9	168.7	45,100	48.4	171.6	46,600	100
105	38.6	158.0	41,300	42.4	163.6	43,300	45.1	166.9	44,800	105
110	34.6	151.3	38,900	38.8	157.7	41,700	41.6	161.6	43,000	110
112	32.8	148.1	37,900	37.2	155.0	40,700	40.1	159.2	42,300	112
115	30.1	143.4	36,400	34.8	151.0	39,100	37.9	155.6	41,200	115
120	24.9	133.8	34,200	30.3	143.2	36,600	33.8	148.7	38,600	120
125	18.5	121.3	30,700	25.2	133.7	34,400	29.3	140.6	36,200	125
130	8.1	100.1	24,400	18.8	121.3	32,300	23.9	130.6	33,900	130
131	3.3	90.0	22,200	16.8	117.3	31,100	22.6	127.9	33,500	131
135				8.8	101.0	26,400	17.1	117.2	31,900	135
136				4.8	92.7	24,400	14.5	111.9	30,600	136
140							4.2	90.6	25,300	140
145										145
146										146
150										150
152										152
155										155
158										158

MLC200 S-3

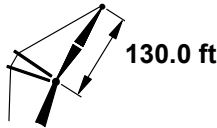
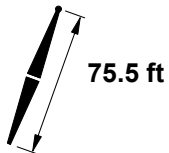
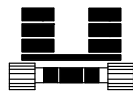
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43										43
45										45
50										50
55										55
56										56
60										60
65										65
66										66
70										70
75										75
80										80
82	62.6	186.8	56,700							82
85	60.9	185.2	55,400							85
90	58.2	182.2	53,300							90
95	55.3	178.9	51,200							95
97	54.1	177.5	50,300	57.7	179.6	49,000				97
100	52.4	175.3	48,900	56.0	177.6	47,200				100
105	49.3	171.2	46,000	53.1	174.1	44,400				105
110	46.0	166.7	43,400	50.0	170.1	41,900				110
112	44.7	164.6	42,500	48.8	168.3	41,000	52.5	170.6	39,500	112
115	42.6	161.5	41,100	46.8	165.6	39,600	50.7	168.2	38,200	115
120	39.0	155.7	38,900	43.5	160.7	37,600	47.5	163.9	36,200	120
125	35.0	149.1	37,000	39.9	155.1	35,700	44.2	159.0	34,400	125
130	30.6	141.3	35,200	36.0	148.6	33,900	40.6	153.5	32,700	130
131	29.6	139.5	34,800	35.1	147.2	33,600	39.9	152.3	32,400	131
135	25.5	132.0	33,500	31.7	141.2	32,300	36.8	147.3	31,100	135
136	24.3	129.5	33,200	30.7	139.4	32,000	36.0	145.9	30,900	136
140	19.2	119.8	31,900	26.8	132.3	30,800	32.6	140.1	29,700	140
145	9.7	100.4	30,400	20.9	121.0	29,400	27.9	131.5	28,400	145
146	6.2	93.2	28,400	19.3	117.7	29,200	26.8	129.4	28,100	146
150				12.7	104.4	28,100	22.2	120.8	27,100	150
152				7.1	92.9	27,600	19.2	114.8	26,600	152
155							14.7	105.9	25,900	155
158							7.1	90.3	25,200	158

MLC200 S-3

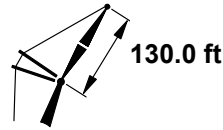
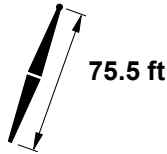
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	74.9	208.7	52,800 b							45
50	72.6	207.3	51,700							50
55	70.3	205.6	50,600							55
59	68.4	204.1	49,700	70.9	205.4	51,000				59
60	68.0	203.7	49,500	70.4	205.1	50,800				60
65	65.6	201.6	48,500	68.1	203.2	49,800				65
70	63.1	199.1	47,200	65.7	201.0	49,000	67.5	202.0	49,600	70
75	60.6	196.5	45,300	63.2	198.7	47,500	65.1	199.8	48,700	75
80	58.0	193.5	43,500	60.7	196.0	45,600	62.7	197.4	47,100	80
85	55.4	190.2	41,700	58.2	193.0	43,800	60.2	194.7	45,300	85
86	54.9	189.5	41,400	57.6	192.4	43,400	59.6	194.0	44,900	86
90	52.7	186.6	40,100	55.5	189.8	42,000	57.6	191.6	43,500	90
95	49.9	182.6	38,500	52.8	186.2	40,400	54.9	188.3	41,700	95
100	46.9	178.1	37,000	50.0	182.2	38,800	52.2	184.6	40,100	100
102	45.7	176.2	36,400	48.8	180.4	38,200	51.1	183.0	39,500	102
105	43.8	173.2	35,600	47.1	177.8	37,200	49.4	180.5	38,500	105
110	40.5	167.7	34,300	44.0	172.8	35,900	46.4	176.0	37,100	110
115	37.0	161.5	33,000	40.7	167.3	34,500	43.3	171.0	35,600	115
118	34.7	157.2	32,300	38.6	163.6	33,700	41.3	167.6	34,800	118
120	33.2	154.4	31,900	37.2	161.2	33,200	39.9	165.3	34,300	120
125	28.9	146.0	30,800	33.4	154.1	32,100	36.4	159.0	33,100	125
130	24.0	136.0	29,900	29.1	145.8	31,000	32.5	151.7	31,900	130
135	17.8	122.9	27,400	24.2	135.9	30,100	28.1	143.1	30,900	135
140	7.8	100.8	21,900	18.1	123.0	29,000	23.0	132.6	30,000	140
141	3.1	90.3	19,900	16.2	118.7	27,900	21.7	129.9	29,700	141
145				8.5	101.8	23,800	16.4	118.7	28,600	145
146				4.6	93.1	22,000	14.0	113.1	27,500	146
150							4.0	91.0	22,800	150
155										155
156										156
160										160
162										162
165										165
168										168

MLC200 S-3

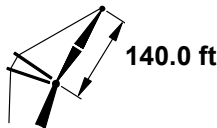
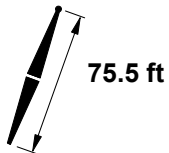
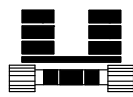
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45										45
50										50
55										55
59										59
60										60
65										65
70										70
75										75
80										80
85										85
86	62.9	196.0	47,000							86
90	60.9	193.8	45,600							90
95	58.3	190.9	43,900							95
100	55.7	187.6	42,100							100
102	54.6	186.2	41,500	57.9	188.2	43,200				102
105	53.0	184.1	40,500	56.3	186.3	42,300				105
110	50.2	180.1	39,000	53.6	182.8	40,700				110
115	47.2	175.7	37,500	50.9	178.9	39,300				115
118	45.4	172.8	36,700	49.1	176.3	38,100	52.5	178.6	36,800	118
120	44.1	170.8	36,100	48.0	174.6	37,400	51.4	177.0	36,000	120
125	40.9	165.3	34,700	44.9	169.9	35,500	48.5	172.8	34,200	125
130	37.4	159.2	33,500	41.7	164.6	33,700	45.5	168.2	32,500	130
135	33.6	152.2	32,300	38.3	158.6	32,100	42.4	163.0	30,900	135
140	29.4	144.0	31,300	34.5	151.8	30,700	39.0	157.2	29,500	140
141	28.4	142.1	31,100	33.7	150.3	30,400	38.2	155.8	29,200	141
145	24.5	134.2	30,300	30.4	144.0	29,300	35.3	150.6	28,200	145
146	23.3	131.6	30,100	29.5	142.1	29,000	34.5	149.0	27,900	146
150	18.5	121.5	29,000	25.8	134.6	28,000	31.3	143.0	26,900	150
155	9.3	101.2	27,400	20.1	122.8	26,800	26.8	134.0	25,800	155
156	6.0	93.8	25,700	18.5	119.3	26,500	25.7	131.7	25,600	156
160				12.2	105.5	25,600	21.4	122.8	24,700	160
162				6.8	93.6	25,200	18.5	116.5	24,300	162
165							14.1	107.1	23,600	165
168							6.9	90.9	23,000	168

MLC200 S-3

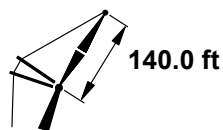
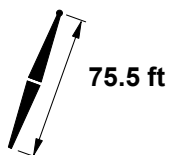
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	74.8	218.3	48,900							48
50	73.9	217.7	48,500							50
55	71.8	216.2	47,500							55
60	69.6	214.4	46,500							60
63	68.3	213.2	45,800	70.6	214.6	47,100				63
65	67.4	212.5	45,400	69.7	213.9	46,700				65
70	65.2	210.3	43,400	67.5	211.9	45,500				70
73	63.8	208.8	42,300	66.2	210.6	44,400	67.9	211.6	45,800	73
75	62.9	207.8	41,600	65.3	209.8	43,700	67.0	210.8	45,000	75
80	60.6	205.1	39,800	63.0	207.3	41,800	64.8	208.5	43,200	80
85	58.2	202.2	38,200	60.7	204.6	40,100	62.5	206.1	41,400	85
90	55.7	198.9	36,500	58.3	201.7	38,400	60.2	203.3	39,700	90
91	55.2	198.2	36,200	57.8	201.1	38,000	59.7	202.7	39,400	91
95	53.2	195.4	35,000	55.9	198.5	36,800	57.8	200.3	38,000	95
100	50.6	191.4	33,500	53.4	194.9	35,200	55.3	197.0	36,400	100
105	47.9	187.1	32,100	50.8	191.0	33,700	52.8	193.4	34,900	105
108	46.2	184.3	31,300	49.1	188.4	32,900	51.2	191.0	34,100	108
110	45.1	182.4	30,800	48.1	186.7	32,300	50.2	189.4	33,500	110
115	42.1	177.1	29,500	45.2	182.0	31,000	47.4	185.0	32,100	115
120	39.0	171.3	28,300	42.3	176.8	29,700	44.6	180.2	30,800	120
124	36.3	166.1	27,400	39.8	172.1	28,700	42.2	175.9	29,800	124
125	35.6	164.7	27,200	39.2	171.0	28,500	41.6	174.9	29,500	125
130	31.9	157.3	26,100	35.8	164.5	27,400	38.4	168.9	28,400	130
135	27.8	148.6	25,200	32.1	157.0	26,300	35.0	162.2	27,300	135
140	23.1	138.1	24,300	28.0	148.4	25,400	31.3	154.5	26,200	140
145	17.1	124.4	23,600	23.3	138.0	24,500	27.1	145.6	25,200	145
150	7.5	101.5	19,500	17.4	124.5	23,700	22.1	134.6	24,400	150
151	3.0	90.6	17,700	15.6	120.1	23,200	20.9	131.7	24,300	151
155				8.2	102.5	21,200	15.8	120.1	23,600	155
156				4.5	93.5	19,600	13.4	114.3	23,000	156
160							3.9	91.3	20,400	160
165										165
166										166
170										170
172										172
175										175
178										178

MLC200 S-3

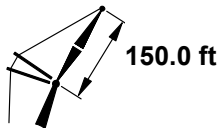
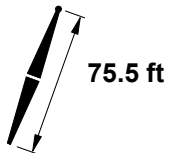
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48										48
50										50
55										55
60										60
63										63
65										65
70										70
73										73
75										75
80										80
85										85
90										90
91	62.7	204.6	41,400							91
95	60.8	202.5	40,000							95
100	58.4	199.6	38,400							100
105	56.0	196.3	36,800							105
108	54.5	194.2	35,900	57.6	196.3	37,600				108
110	53.5	192.8	35,400	56.6	195.0	36,900				110
115	50.9	188.9	33,900	54.1	191.5	35,600				115
120	48.2	184.7	32,500	51.5	187.7	34,100				120
124	46.0	180.9	31,400	49.4	184.4	33,100	52.6	186.6	34,200	124
125	45.4	180.0	31,200	48.9	183.6	32,800	52.1	185.8	33,800	125
130	42.5	174.8	29,900	46.1	179.0	31,400	49.4	181.7	32,200	130
135	39.3	169.0	28,700	43.2	173.9	30,200	46.7	177.2	30,600	135
140	36.0	162.5	27,600	40.1	168.3	29,000	43.8	172.3	29,200	140
145	32.3	155.1	26,500	36.8	162.0	27,900	40.7	166.8	27,900	145
150	28.3	146.6	25,600	33.3	154.9	26,900	37.5	160.6	26,600	150
151	27.3	144.5	25,400	32.5	153.2	26,700	36.8	159.2	26,400	151
155	23.6	136.3	24,700	29.3	146.6	25,900	34.0	153.7	25,500	155
156	22.4	133.7	24,600	28.4	144.7	25,700	33.2	152.1	25,300	156
160	17.8	123.1	24,000	24.8	136.9	25,000	30.1	145.7	24,400	160
165	8.9	102.0	23,500	19.4	124.5	24,200	25.8	136.3	23,400	165
166	5.7	94.3	23,000	17.8	120.9	24,000	24.7	133.9	23,200	166
170				11.7	106.6	23,300	20.6	124.6	22,400	170
172				6.6	94.1	22,900	17.8	118.1	22,100	172
175							13.6	108.3	21,500	175
178							6.6	91.5	21,000	178

MLC200 S-3

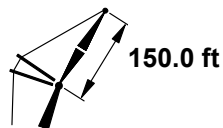
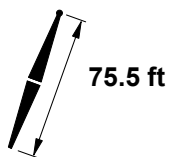
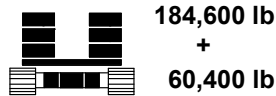
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51	74.6	227.8	45,200							51
55	73.0	226.7	44,400							55
60	71.0	225.0	43,600							60
65	69.0	223.2	41,900							65
66	68.6	222.8	41,500	70.7	224.2	43,500				66
70	66.9	221.2	40,100	69.1	222.7	42,100				70
75	64.8	219.0	38,400	67.0	220.7	40,300				75
77	64.0	218.0	37,700	66.2	219.8	39,600	67.8	220.8	40,800	77
80	62.7	216.5	36,700	64.9	218.5	38,600	66.6	219.5	39,900	80
85	60.5	213.8	35,100	62.8	216.0	36,900	64.5	217.2	38,100	85
90	58.3	210.8	33,600	60.6	213.3	35,300	62.3	214.7	36,500	90
95	56.0	207.6	32,100	58.4	210.4	33,700	60.1	212.0	35,000	95
100	53.7	204.1	30,600	56.1	207.2	32,300	57.9	209.0	33,500	100
105	51.3	200.3	29,300	53.8	203.7	30,800	55.6	205.7	31,900	105
110	48.8	196.1	27,900	51.4	199.8	29,400	53.3	202.1	30,500	110
113	47.2	193.3	27,200	49.9	197.3	28,700	51.8	199.8	29,700	113
115	46.2	191.5	26,700	48.9	195.7	28,100	50.9	198.2	29,200	115
120	43.5	186.5	25,500	46.3	191.1	26,900	48.4	194.0	27,900	120
125	40.7	180.9	24,400	43.6	186.1	25,700	45.7	189.3	26,700	125
130	37.6	174.8	23,400	40.8	180.6	24,600	43.0	184.2	25,500	130
135	34.4	167.9	22,400	37.8	174.5	23,500	40.1	178.6	24,400	135
140	30.8	160.1	21,500	34.5	167.6	22,500	37.1	172.3	23,400	140
145	26.9	151.0	20,600	31.0	159.9	21,600	33.8	165.3	22,400	145
150	22.3	140.1	19,800	27.1	150.8	20,700	30.2	157.3	21,400	150
155	16.5	125.9	19,100	22.5	140.0	19,900	26.1	147.9	20,600	155
160	7.2	102.1	17,500	16.8	126.0	19,300	21.4	136.6	19,800	160
161	2.9	90.8	15,900	15.0	121.5	19,200	20.2	133.5	19,700	161
165				7.9	103.2	18,800	15.3	121.5	19,200	165
166				4.3	93.9	17,700	13.0	115.5	19,000	166
170							3.7	91.6	18,400	170
175										175
176										176
180										180
182										182
185										185
188										188

MLC200 S-3

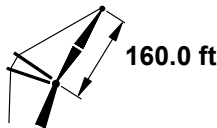
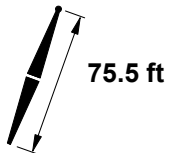
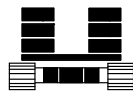
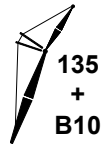
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
51										51
55										55
60										60
65										65
66										66
70										70
75										75
77										77
80										80
85										85
90										90
95	62.9	213.8	36,800							95
100	60.8	211.1	35,200							100
105	58.5	208.2	33,800							105
110	56.3	205.0	32,300							110
113	54.9	202.9	31,500	57.7	204.9	33,000				113
115	53.9	201.5	30,900	56.8	203.7	32,400				115
120	51.5	197.7	29,600	54.5	200.2	31,100				120
125	49.1	193.6	28,300	52.1	196.5	29,800				125
130	46.5	189.0	27,100	49.7	192.5	28,500	52.6	194.6	29,800	130
135	43.8	184.1	25,900	47.1	188.0	27,300	50.2	190.6	28,600	135
140	41.0	178.6	24,800	44.5	183.2	26,200	47.6	186.2	27,400	140
145	37.9	172.5	23,700	41.7	177.8	25,000	45.0	181.5	26,300	145
150	34.7	165.7	22,700	38.7	171.9	24,000	42.2	176.2	25,200	150
155	31.2	158.0	21,800	35.5	165.3	22,900	39.3	170.4	24,200	155
160	27.3	149.1	20,900	32.1	157.8	22,000	36.2	164.0	23,100	160
161	26.4	146.9	20,700	31.3	156.1	21,800	35.5	162.5	22,900	161
165	22.8	138.4	20,100	28.3	149.2	21,100	32.8	156.7	22,200	165
166	21.7	135.6	19,900	27.4	147.2	21,000	32.1	155.0	22,000	166
170	17.2	124.6	19,400	24.0	139.0	20,300	29.1	148.3	21,300	170
175	8.6	102.8	18,900	18.7	126.2	19,600	24.9	138.5	20,500	175
176	5.5	94.8	18,900	17.2	122.5	19,400	23.9	136.1	20,400	176
180				11.3	107.6	19,000	19.9	126.4	19,700	180
182				6.4	94.7	19,000	17.2	119.6	19,500	182
185							13.1	109.5	19,200	185
188							6.4	92.1	19,000	188

MLC200 S-3

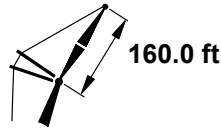
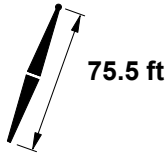
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	74.9	237.7	41,800							53
55	74.1	237.1	41,500							55
60	72.2	235.6	40,200							60
65	70.4	233.9	38,400							65
69	68.8	232.4	37,000	70.8	233.7	38,800				69
70	68.4	232.0	36,700	70.4	233.4	38,500				70
75	66.5	229.9	35,000	68.5	231.5	36,800				75
80	64.5	227.7	33,400	66.6	229.4	35,200				80
81	64.1	227.2	33,100	66.2	229.0	34,900	67.7	229.9	36,000	81
85	62.5	225.2	31,800	64.6	227.2	33,500	66.2	228.2	34,700	85
90	60.5	222.5	30,300	62.6	224.7	32,000	64.2	225.9	33,200	90
95	58.4	219.5	28,900	60.6	222.0	30,500	62.2	223.4	31,700	95
100	56.3	216.3	27,600	58.5	219.0	29,000	60.1	220.6	30,200	100
105	54.1	212.8	26,200	56.4	215.8	27,700	58.0	217.6	28,800	105
110	51.9	209.1	25,000	54.2	212.4	26,400	55.9	214.4	27,400	110
115	49.6	205.0	23,700	52.0	208.6	25,100	53.7	210.9	26,100	115
118	48.1	202.3	23,100	50.6	206.2	24,400	52.4	208.6	25,400	118
120	47.2	200.5	22,600	49.7	204.5	23,900	51.5	207.0	24,900	120
125	44.7	195.7	21,500	47.3	200.1	22,700	49.1	202.9	23,700	125
130	42.1	190.4	20,400	44.8	195.3	21,700	46.7	198.4	22,500	130
135	39.3	184.6	19,500	42.2	190.0	20,600	44.2	193.5	21,500	135
136	38.7	183.3	19,300	41.6	188.9	20,400	43.7	192.4	21,300	136
140	36.4	178.1	18,500	39.4	184.2	19,600	41.6	188.1	20,400	140
145	33.3	170.9	17,700	36.5	177.8	18,600	38.8	182.2	19,400	145
150	29.8	162.8	16,800	33.4	170.7	17,700	35.9	175.6	18,500	150
155	26.0	153.3	16,000	30.0	162.6	16,900	32.7	168.3	17,600	155
160	21.6	142.0	15,300	26.2	153.2	16,100	29.2	159.9	16,700	160
165	16.0	127.3	14,500	21.8	142.0	15,500	25.3	150.2	16,100	165
170	7.0	102.7	13,700	16.3	127.5	14,600	20.7	138.4	15,300	170
171	2.8	91.1	13,600	14.6	122.8	14,400	19.5	135.3	15,100	171
175				7.7	103.9	13,800	14.8	122.8	14,400	175
176				4.2	94.3	13,600	12.6	116.6	14,300	176
180							3.6	92.0	13,700	180
185										185
186										186
190										190
192										192
195										195
198										198

MLC200 S-3

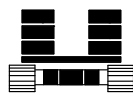
ASME B30.5



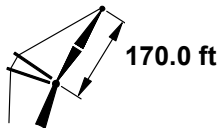
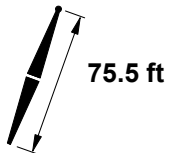
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53										53
55										55
60										60
65										65
69										69
70										70
75										75
80										80
81										81
85										85
90										90
95										95
100	62.7	222.5	31,900							100
105	60.7	219.8	30,500							105
110	58.6	216.9	29,100							110
115	56.5	213.7	27,800							115
118	55.2	211.6	27,000	57.9	213.6	28,400				118
120	54.3	210.3	26,500	57.0	212.3	27,900				120
125	52.1	206.5	25,200	54.9	209.0	26,600				125
130	49.8	202.5	24,000	52.7	205.3	25,400				130
135	47.4	198.1	22,900	50.4	201.3	24,300				135
136	46.9	197.1	22,700	49.9	200.4	24,000	52.7	202.6	25,200	136
140	44.9	193.3	21,700	48.0	197.0	23,100	50.8	199.4	24,400	140
145	42.3	188.0	20,700	45.5	192.3	22,000	48.5	195.2	23,200	145
150	39.6	182.2	19,700	43.0	187.2	21,000	46.0	190.6	22,100	150
155	36.7	175.9	18,800	40.3	181.5	20,000	43.5	185.5	21,100	155
160	33.6	168.8	17,900	37.4	175.3	19,000	40.8	180.0	20,100	160
165	30.2	160.7	17,000	34.4	168.4	18,200	38.0	173.9	19,200	165
170	26.4	151.4	16,200	31.1	160.6	17,300	35.0	167.2	18,300	170
171	25.5	149.2	16,100	30.3	158.8	17,100	34.3	165.7	18,100	171
175	22.1	140.3	15,600	27.4	151.7	16,500	31.7	159.6	17,400	175
176	21.0	137.5	15,400	26.5	149.6	16,300	31.0	157.8	17,300	176
180	16.6	126.1	14,700	23.2	141.1	15,700	28.2	150.9	16,600	180
185	8.4	103.5	13,800	18.1	127.8	15,000	24.1	140.7	15,900	185
186	5.4	95.2	13,700	16.7	124.0	14,800	23.1	138.2	15,800	186
190				11.0	108.5	14,000	19.2	128.1	15,200	190
192				6.2	95.2	13,700	16.6	121.1	14,800	192
195							12.7	110.6	14,200	195
198							6.2	92.6	13,800	198

MLC200 S-3

ASME B30.5



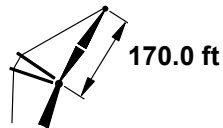
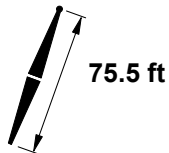
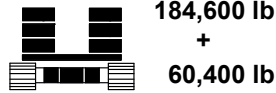
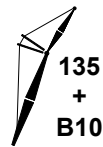
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	74.7	247.2	38,400							56
60	73.3	246.1	37,100							60
65	71.6	244.5	35,500							65
70	69.8	242.7	33,800							70
72	69.0	241.9	33,200	70.9	243.3	34,900				72
75	68.0	240.8	32,300	69.9	242.2	33,900				75
80	66.1	238.7	30,700	68.0	240.3	32,300				80
84	64.6	236.8	29,500	66.6	238.6	31,100	68.0	239.5	32,200	84
85	64.3	236.4	29,300	66.2	238.1	30,800	67.6	239.1	32,000	85
90	62.4	233.8	27,800	64.4	235.8	29,300	65.8	237.0	30,500	90
95	60.5	231.1	26,400	62.5	233.3	27,900	63.9	234.6	29,100	95
100	58.5	228.2	25,100	60.6	230.6	26,600	62.1	232.1	27,600	100
104	56.9	225.6	24,100	59.0	228.3	25,500	60.5	229.9	26,500	104
105	56.5	225.0	23,800	58.6	227.7	25,300	60.1	229.3	26,300	105
110	54.5	221.5	22,600	56.6	224.5	24,000	58.2	226.3	25,000	110
115	52.4	217.8	21,500	54.6	221.1	22,800	56.2	223.1	23,700	115
120	50.2	213.8	20,400	52.5	217.4	21,600	54.1	219.6	22,500	120
124	48.4	210.4	19,500	50.7	214.2	20,700	52.4	216.6	21,600	124
125	48.0	209.5	19,300	50.3	213.4	20,500	52.0	215.8	21,400	125
130	45.7	204.8	18,300	48.1	209.1	19,400	49.8	211.8	20,300	130
135	43.3	199.7	17,300	45.8	204.4	18,400	47.6	207.4	19,300	135
140	40.7	194.2	16,400	43.4	199.3	17,500	45.3	202.6	18,200	140
142	39.7	191.7	16,100	42.4	197.1	17,100	44.3	200.6	17,900	142
145	38.1	188.1	15,600	40.9	193.8	16,500	42.8	197.5	17,300	145
150	35.3	181.4	14,700	38.2	187.8	15,700	40.3	191.8	16,300	150
155	32.2	173.9	14,000	35.4	181.1	14,900	37.6	185.6	15,500	155
160	28.9	165.4	13,200	32.4	173.6	14,100	34.8	178.8	14,700	160
165	25.2	155.6	12,300	29.1	165.2	13,200	31.7	171.1	13,900	165
170	20.9	143.9	11,300	25.4	155.5	12,300	28.3	162.5	13,000	170
175	15.5	128.7	10,500	21.1	143.9	11,400	24.5	152.4	12,100	175
180	6.8	103.3	9,800	15.8	128.9	10,600	20.1	140.2	11,200	180
181	2.7	91.3	9,700	14.1	124.0	10,400	18.9	137.0	11,000	181
185				7.4	104.6	9,900	14.4	124.1	10,400	185
186				4.1	94.6	9,700	12.2	117.7	10,300	186
190							3.5	92.3	9,800	190
195										195
196										196
200										200
202										202
205										205
208										208

MLC200 S-3

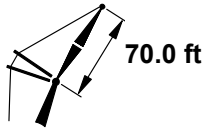
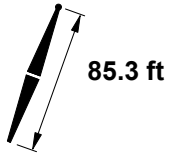
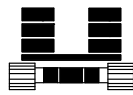
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
70										70
72										72
75										75
80										80
84										84
85										85
90										90
95										95
100										100
104	63.0	231.7	28,200							104
105	62.6	231.2	27,900							105
110	60.7	228.5	26,500							110
115	58.7	225.5	25,300							115
120	56.7	222.4	24,100							120
124	55.1	219.7	23,100	57.6	221.7	24,500				124
125	54.7	219.0	22,900	57.2	221.0	24,200				125
130	52.6	215.3	21,700	55.2	217.7	23,000				130
135	50.4	211.3	20,600	53.1	214.1	21,900				135
140	48.2	207.0	19,500	51.0	210.1	20,800				140
142	47.3	205.2	19,100	50.1	208.5	20,400	52.7	210.6	21,500	142
145	45.9	202.4	18,500	48.8	205.9	19,800	51.4	208.3	20,900	145
150	43.5	197.3	17,600	46.5	201.4	18,700	49.2	204.1	19,900	150
155	41.0	191.8	16,700	44.1	196.4	17,800	46.9	199.6	18,900	155
160	38.4	185.8	15,700	41.6	191.0	16,900	44.6	194.7	17,900	160
165	35.6	179.1	15,000	39.0	185.1	16,000	42.1	189.5	17,000	165
170	32.6	171.7	14,200	36.3	178.7	15,200	39.6	183.7	16,100	170
175	29.3	163.4	13,300	33.3	171.5	14,400	36.8	177.3	15,300	175
180	25.6	153.8	12,400	30.1	163.4	13,500	33.9	170.3	14,600	180
181	24.8	151.5	12,200	29.4	161.5	13,400	33.3	168.7	14,400	181
185	21.4	142.3	11,500	26.5	154.1	12,700	30.8	162.4	13,800	185
186	20.3	139.3	11,300	25.7	151.9	12,500	30.1	160.6	13,600	186
190	16.1	127.5	10,700	22.5	143.1	11,700	27.3	153.4	12,900	190
195	8.1	104.3	9,900	17.6	129.4	10,900	23.4	142.8	12,000	195
196	5.2	95.7	9,800	16.2	125.4	10,700	22.4	140.2	11,800	196
200				10.6	109.5	10,100	18.7	129.8	11,000	200
202				6.0	95.8	9,900	16.1	122.6	10,700	202
205							12.3	111.7	10,200	205
208							6.0	93.1	9,900	208

MLC200 S-3

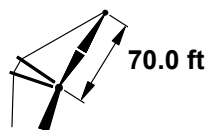
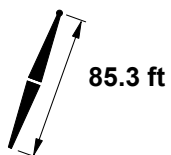
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30	74.9	160.6	113,200 d							30
35	70.6	159.0	113,200 c							35
40	66.2	157.1	108,700 b							40
41	65.2	156.6	107,600 b	70.5	158.3	115,100 c				41
45	61.6	154.6	103,300 b	67.0	156.8	110,300 b				45
49	57.8	152.2	99,500 b	63.4	154.9	106,000 b	67.3	156.2	110,900 c	49
50	56.8	151.6	98,600	62.5	154.4	104,900 b	66.4	155.8	109,800 b	50
55	51.8	148.0	94,500	57.7	151.6	100,200	61.9	153.3	104,600 b	55
60	46.4	143.7	90,600	52.8	148.1	96,000	57.2	150.4	95,700	60
62	44.0	141.6	86,800	50.6	146.4	93,000	55.1	149.0	92,100	62
65	40.4	138.4	81,200	47.4	143.9	88,500	52.1	146.8	86,700	65
70	33.6	131.8	73,500	41.6	138.8	80,700	46.7	142.6	79,100	70
74	27.0	124.7	67,900	36.3	133.7	75,400	42.0	138.4	73,900	74
75	25.3	122.9	66,500	35.0	132.5	74,100	40.8	137.3	72,600	75
80	12.7	108.4	53,100	27.0	124.1	67,900	34.1	130.8	67,100	80
81	8.2	103.0	49,100	24.7	121.6	66,100	32.5	129.1	66,100	81
85				15.7	111.4	59,200	25.9	122.2	62,200	85
86				11.7	106.5	55,300	23.5	119.4	61,400	86
87				7.7	101.7	51,400	21.1	116.6	60,500	87
90							13.8	108.3	57,900	90
92							1.6	93.5	48,700	92
95										95
99										99
100										100
105										105
106										106
110										110
113										113

MLC200 S-3

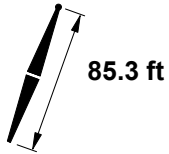
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30										30
35										35
40										40
41										41
45										45
49										49
50										50
55										55
60										60
62	62.1	151.6	88,700 b							62
65	59.3	150.0	83,600 b							65
70	54.4	146.7	76,300							70
74	50.2	143.5	71,400	57.4	146.3	68,700				74
75	49.2	142.8	70,100	56.4	145.7	67,600				75
80	43.5	138.0	64,800	51.4	142.0	62,500				80
81	42.3	136.8	63,800	50.3	141.1	61,600				81
85	37.2	132.1	60,100	45.9	137.6	58,000				85
86	35.7	130.6	59,300	44.7	136.5	57,200	52.2	139.6	55,100	86
87	34.2	129.1	58,500	43.5	135.5	56,400	51.1	138.8	54,300	87
90	29.8	124.6	56,000	39.9	132.2	54,000	47.9	136.3	52,100	90
92	25.9	120.2	54,500	37.1	129.5	52,600	45.6	134.3	50,700	92
95	20.1	113.8	52,300	33.0	125.5	50,500	42.1	131.3	48,700	95
99	4.8	95.7	49,600	26.2	118.2	48,000	36.9	126.3	46,300	99
100				24.5	116.4	47,400	35.6	125.1	45,700	100
105				11.0	100.7	44,500	27.8	117.0	43,000	105
106				5.2	93.7	43,900	25.7	114.6	42,500	106
110							17.1	104.9	40,500	110
113							2.9	87.8	39,000	113

MLC200 S-3

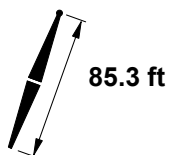
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	74.6	170.2	103,400 c							33
35	73.1	169.6	103,300 c							35
40	69.3	167.9	100,400 b							40
44	66.2	166.2	96,400 b	70.8	167.9	102,900 c				44
45	65.4	165.8	95,400 b	70.0	167.5	101,800 b				45
50	61.4	163.3	90,900	66.1	165.5	96,900 b				50
52	59.7	162.1	89,300	64.5	164.5	95,100 b	68.0	165.8	99,200 b	52
55	57.2	160.3	86,900	62.2	163.1	92,300	65.7	164.5	96,400 b	55
60	52.9	156.8	83,200	58.0	160.2	88,200	61.7	162.0	92,100	60
65	48.2	152.7	80,000	53.7	156.8	84,600	57.5	159.1	86,400	65
66	47.2	151.7	78,700	52.8	156.0	83,800	56.6	158.4	84,900	66
70	43.2	147.8	73,400	49.1	152.8	80,500	53.2	155.6	78,800	70
75	37.7	142.0	66,900	44.2	148.1	74,000	48.5	151.5	72,400	75
79	32.7	136.2	62,300	39.9	143.6	69,200	44.6	147.7	68,000	79
80	31.4	134.7	61,200	38.8	142.5	68,000	43.6	146.7	66,900	80
85	23.6	125.1	56,000	32.6	135.5	62,300	38.1	140.9	62,100	85
90	11.9	109.5	46,600	25.2	126.5	57,000	31.8	133.8	57,800	90
91	7.6	103.7	43,000	23.1	123.7	56,100	30.3	131.9	57,100	91
92				21.0	120.9	55,100	28.8	130.0	56,300	92
95				14.7	112.7	52,100	24.2	124.4	54,100	95
97				7.2	102.4	45,200	19.7	118.4	52,700	97
100							12.9	109.5	50,700	100
102							1.5	93.6	42,900	102
105										105
109										109
110										110
115										115
116										116
120										120
123										123

MLC200 S-3

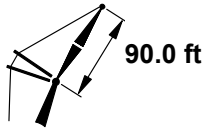
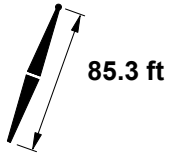
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
33										33
35										35
40										40
44										44
45										45
50										50
52										52
55										55
60										60
65										65
66	62.7	160.8	81,800							66
70	59.4	158.6	76,000							70
75	55.1	155.4	69,800							75
79	51.5	152.4	65,600	57.7	155.0	63,100				79
80	50.6	151.6	64,500	56.9	154.4	62,100				80
85	45.8	147.2	59,900	52.5	150.8	57,700				85
90	40.6	141.8	55,800	47.8	146.6	53,700				90
91	39.4	140.5	55,100	46.8	145.7	53,000				91
92	38.2	139.2	54,300	45.8	144.7	52,400	52.3	147.6	50,300	92
95	34.7	135.4	52,200	42.8	141.7	50,300	49.5	145.2	48,400	95
97	32.0	132.1	50,900	40.6	139.3	49,000	47.6	143.3	47,200	97
100	27.8	127.1	49,000	37.2	135.7	47,200	44.7	140.6	45,400	100
102	24.2	122.5	47,800	34.6	132.8	46,100	42.5	138.3	44,300	102
105	18.8	115.5	46,000	30.8	128.3	44,400	39.3	135.0	42,700	105
109	4.5	96.1	43,800	24.5	120.4	42,300	34.5	129.5	40,800	109
110				22.9	118.4	41,800	33.2	128.2	40,300	110
115				10.3	101.7	39,500	26.0	119.4	38,100	115
116				4.9	94.1	39,000	24.0	116.8	37,700	116
120							16.0	106.3	36,000	120
123							2.7	88.1	34,800	123

MLC200 S-3

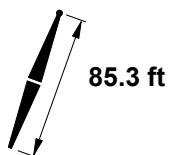
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	74.3	179.7	91,600 c							36
40	71.7	178.5	87,900 b							40
45	68.3	176.7	83,700 b							45
47	66.9	175.8	82,100 b	71.0	177.4	87,400 b				47
50	64.8	174.5	79,800	68.9	176.3	84,900 b				50
55	61.3	171.9	76,200	65.5	174.2	81,000				55
56	60.5	171.3	75,600	64.8	173.7	80,300	67.8	174.9	83,700 b	56
60	57.6	169.0	73,000	61.9	171.8	77,500	65.0	173.2	80,700	60
65	53.7	165.6	70,100	58.2	168.9	74,200	61.5	170.7	77,300	65
70	49.6	161.6	67,300	54.4	165.6	71,100	57.8	167.7	74,100	70
71	48.8	160.7	66,800	53.6	164.8	70,600	57.0	167.1	73,500	71
75	45.3	157.0	64,800	50.4	161.7	68,400	53.9	164.3	71,200	75
80	40.6	151.7	62,000	46.1	157.2	65,900	49.9	160.4	66,700	80
84	36.5	146.5	58,000	42.5	153.1	63,600	46.5	156.8	62,900	84
85	35.5	145.3	56,900	41.5	152.0	63,000	45.6	155.9	62,000	85
90	29.6	137.4	52,500	36.5	145.9	58,000	41.0	150.6	57,800	90
95	22.3	127.1	48,400	30.7	138.3	53,400	35.8	144.3	54,000	95
98	15.6	117.1	43,900	26.5	132.5	50,900	32.3	139.6	52,000	98
100	11.2	110.5	40,900	23.8	128.6	49,300	30.0	136.5	50,700	100
101	7.2	104.3	37,800	21.8	125.7	48,500	28.5	134.5	50,100	101
105				13.9	113.9	45,500	22.8	126.4	47,700	105
107				6.8	103.0	39,900	18.5	120.1	46,600	107
110							12.2	110.6	45,000	110
112							1.4	93.7	37,900	112
115										115
119										119
120										120
125										125
126										126
130										130
133										133

MLC200 S-3

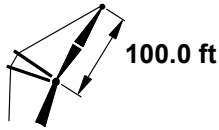
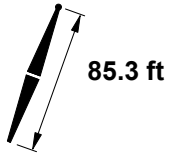
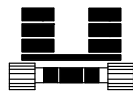
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36										36
40										40
45										45
47										47
50										50
55										55
56										56
60										60
65										65
70										70
71	62.4	169.5	74,500							71
75	59.5	167.3	69,600							75
80	55.7	164.1	64,300							80
84	52.5	161.2	60,600	58.0	163.7	58,300				84
85	51.7	160.4	59,700	57.2	163.0	57,500				85
90	47.5	156.2	55,600	53.4	159.6	53,600				90
95	43.1	151.2	52,100	49.3	155.6	50,100				95
98	40.1	147.7	50,100	46.7	152.8	48,300	52.4	155.6	46,400	98
100	38.2	145.4	48,900	44.9	150.9	47,000	50.8	154.1	45,200	100
101	37.1	144.0	48,300	44.0	149.8	46,500	49.9	153.2	44,700	101
105	32.7	138.4	46,000	40.2	145.5	44,300	46.5	149.7	42,600	105
107	30.1	134.8	44,900	38.1	142.9	43,300	44.7	147.6	41,600	107
110	26.2	129.5	43,400	35.0	139.0	41,800	42.0	144.5	40,200	110
112	22.8	124.6	42,400	32.6	135.8	40,900	40.0	142.1	39,300	112
115	17.7	117.1	41,000	29.0	131.0	39,500	37.0	138.4	38,000	115
119	4.3	96.5	39,100	23.0	122.5	37,800	32.4	132.5	36,400	119
120				21.5	120.4	37,400	31.3	131.1	36,000	120
125				9.7	102.5	35,400	24.5	121.6	34,100	125
126				4.6	94.5	35,000	22.6	118.8	33,800	126
130							15.1	107.7	32,400	130
133							2.5	88.3	31,300	133

MLC200 S-3

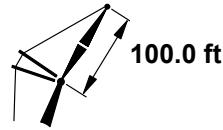
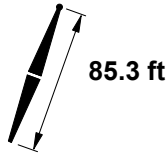
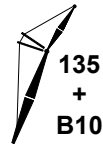
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	74.8	189.5	84,100 c						38	
40	73.6	189.0	82,400 b						40	
45	70.6	187.3	78,300 b						45	
50	67.5	185.4	74,600						50	
51	66.9	185.0	73,900	70.5	186.6	78,600 b			51	
55	64.4	183.2	71,100	68.1	185.1	75,700			55	
60	61.1	180.6	67,900	64.9	182.9	72,200	67.7	184.1	75,200	60
65	57.8	177.7	64,900	61.7	180.4	68,900	64.6	181.9	71,900	65
70	54.3	174.3	62,100	58.4	177.6	65,900	61.3	179.3	68,700	70
75	50.7	170.5	59,500	55.0	174.3	63,100	58.0	176.4	65,700	75
80	46.9	166.1	57,200	51.4	170.5	60,500	54.6	173.1	63,000	80
85	42.9	161.1	55,000	47.6	166.3	58,100	51.0	169.3	60,400	85
90	38.5	155.3	52,600	43.6	161.4	55,900	47.2	164.9	57,500	90
95	33.6	148.4	48,700	39.3	155.7	53,400	43.1	160.0	53,800	95
100	28.0	140.0	45,200	34.5	149.1	49,500	38.8	154.2	50,500	100
104	22.5	131.2	42,700	30.2	142.6	46,600	34.9	148.8	48,100	104
105	21.1	129.0	42,000	29.1	141.0	45,900	33.9	147.4	47,500	105
110	10.6	111.4	35,800	22.5	130.7	42,700	28.4	139.1	44,800	110
111	6.8	104.9	33,300	20.6	127.6	42,100	27.0	137.0	44,400	111
115				13.2	115.1	39,700	21.6	128.4	42,400	115
117				6.4	103.5	35,100	17.6	121.7	41,200	117
120							11.6	111.6	39,400	120
122							1.3	93.9	33,500	122
125										125
129										129
130										130
135										135
136										136
140										140
143										143

MLC200 S-3

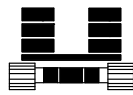
ASME B30.5



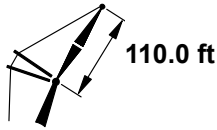
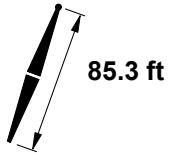
	75°		70°		65°					
	ft	lb	ft	lb	ft	lb				
38							38			
40							40			
45							45			
50							50			
51							51			
55							55			
60							60			
65							65			
70							70			
75	62.8	178.7	69,300				75			
80	59.5	175.9	64,000				80			
85	56.1	172.8	59,400				85			
90	52.6	169.2	55,300	57.5	171.7	53,200	90			
95	48.9	165.1	51,800	54.1	168.3	49,800	95			
100	45.0	160.5	48,600	50.4	164.4	46,700	100			
104	41.6	156.1	46,300	47.4	160.9	44,500	52.5	163.6	42,700	104
105	40.8	155.1	45,700	46.6	160.0	44,000	51.8	162.9	42,200	105
110	36.2	148.8	43,200	42.5	154.9	41,500	48.0	158.6	39,800	110
111	35.1	147.3	42,700	41.6	153.8	41,000	47.2	157.7	39,400	111
115	31.0	141.2	40,800	38.1	149.0	39,200	44.0	153.8	37,700	115
117	28.5	137.5	39,900	36.1	146.2	38,400	42.3	151.6	36,900	117
120	24.8	131.8	38,700	33.2	142.1	37,200	39.7	148.2	35,700	120
122	21.6	126.5	37,900	30.9	138.6	36,400	37.8	145.6	35,000	122
125	16.8	118.6	36,700	27.5	133.5	35,300	35.0	141.7	33,900	125
129	4.0	96.8	35,100	21.8	124.5	33,900	30.7	135.4	32,500	129
130				20.4	122.3	33,500	29.6	133.8	32,200	130
135				9.2	103.4	31,800	23.2	123.7	30,600	135
136				4.3	94.9	31,500	21.4	120.8	30,300	136
140							14.3	109.0	29,200	140
143							2.4	88.5	28,200	143

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ASME B30.5



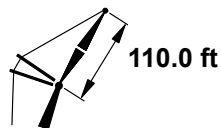
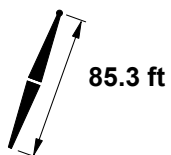
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	74.6	199.1	75,700 b							41
45	72.4	197.9	73,200 b							45
50	69.6	196.2	70,100							50
54	67.4	194.6	67,900	70.7	196.2	71,500				54
55	66.8	194.2	67,400	70.1	195.8	71,000				55
60	64.0	191.9	64,800	67.3	193.9	68,200				60
64	61.6	189.8	62,700	65.1	192.1	66,100	67.6	193.3	68,400	64
65	61.0	189.3	62,200	64.5	191.6	65,600	67.0	192.8	67,800	65
70	58.0	186.3	59,800	61.6	189.1	63,100	64.1	190.6	65,300	70
75	54.9	183.0	57,400	58.6	186.2	60,700	61.2	188.0	62,900	75
80	51.6	179.3	55,200	55.5	183.0	58,200	58.2	185.1	60,500	80
85	48.2	175.1	53,000	52.2	179.3	55,900	55.1	181.8	58,100	85
90	44.6	170.3	51,100	48.9	175.2	53,800	51.8	178.1	55,800	90
95	40.8	164.9	48,800	45.3	170.6	51,800	48.4	173.9	53,700	95
100	36.6	158.6	45,400	41.5	165.3	49,600	44.9	169.2	50,500	100
105	32.0	151.3	42,300	37.4	159.2	46,100	41.0	163.8	47,500	105
110	26.7	142.4	39,600	32.9	152.1	43,000	36.9	157.6	44,900	110
115	20.1	130.9	37,000	27.7	143.5	40,100	32.3	150.4	42,500	115
120	10.1	112.4	29,800	21.5	132.6	37,500	27.0	141.6	39,900	120
121	6.5	105.5	27,700	19.7	129.3	36,700	25.8	139.3	39,400	121
125				12.6	116.3	33,400	20.6	130.3	37,300	125
127				6.1	104.1	29,300	16.8	123.2	35,900	127
130							11.0	112.6	33,800	130
132							1.2	94.0	28,100	132
135										135
139										139
140										140
145										145
146										146
150										150
153										153

MLC200 S-3

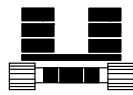
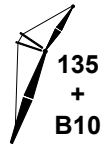
ASME B30.5



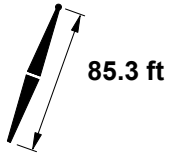
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41										41
45										45
50										50
54										54
55										55
60										60
64										64
65										65
70										70
75										75
80	62.5	187.4	63,600							80
85	59.6	184.6	59,300							85
90	56.5	181.5	55,300							90
95	53.3	178.0	51,700	57.7	180.4	49,700				95
100	50.0	174.0	48,600	54.6	177.0	46,700				100
105	46.5	169.5	45,700	51.3	173.3	43,900				105
110	42.8	164.5	43,200	47.9	169.0	41,500	52.5	171.6	39,800	110
115	38.8	158.7	40,800	44.3	164.2	39,200	49.2	167.6	37,600	115
120	34.4	151.9	38,700	40.5	158.7	37,200	45.6	163.0	35,700	120
121	33.4	150.3	38,300	39.6	157.4	36,800	44.9	161.9	35,300	121
125	29.5	143.9	36,800	36.3	152.4	35,300	41.9	157.7	33,900	125
127	27.2	139.9	36,000	34.4	149.4	34,600	40.2	155.3	33,200	127
130	23.7	133.9	35,000	31.6	145.0	33,600	37.8	151.8	32,200	130
132	20.6	128.4	34,300	29.4	141.3	32,900	36.0	149.0	31,600	132
135	16.0	120.1	33,300	26.2	135.9	32,000	33.3	144.8	30,700	135
139	3.9	97.2	31,800	20.8	126.4	30,800	29.2	138.0	29,500	139
140				19.5	124.0	30,500	28.2	136.4	29,300	140
145				8.8	104.1	29,000	22.1	125.7	27,900	145
146				4.1	95.3	28,700	20.4	122.6	27,700	146
150							13.6	110.2	26,700	150
153							2.3	88.7	25,900	153

MLC200 S-3

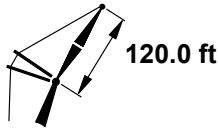
ASME B30.5



184,600 lb
+
60,400 lb



85.3 ft

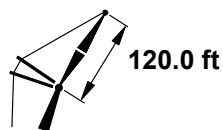
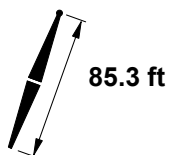


120.0 ft

	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43	74.9	208.9	69,000 b							43
45	73.9	208.3	67,900 b							45
50	71.4	206.8	65,000							50
55	68.9	205.0	62,300							55
57	67.8	204.1	61,200	70.9	205.7	64,500				57
60	66.3	202.9	59,700	69.3	204.6	63,000				60
65	63.6	200.6	57,300	66.8	202.6	60,400				65
67	62.6	199.5	56,300	65.7	201.7	59,400	68.0	202.8	61,600	67
70	60.9	197.9	54,900	64.1	200.3	58,000	66.4	201.6	60,100	70
75	58.2	195.0	52,800	61.4	197.8	55,700	63.8	199.3	57,700	75
80	55.3	191.7	50,600	58.7	194.9	53,500	61.1	196.7	55,500	80
84	53.0	188.8	49,100	56.4	192.3	51,800	58.9	194.3	53,800	84
85	52.4	188.1	48,700	55.8	191.7	51,400	58.4	193.7	53,400	85
90	49.3	184.0	46,700	52.9	188.1	49,400	55.5	190.5	51,300	90
95	46.0	179.4	44,900	49.9	184.1	47,400	52.6	186.8	49,300	95
100	42.6	174.3	43,200	46.7	179.6	45,500	49.5	182.8	47,400	100
105	39.0	168.5	41,500	43.3	174.6	43,700	46.3	178.3	45,400	105
110	35.0	161.9	39,600	39.7	169.0	42,100	42.9	173.2	43,700	110
115	30.6	154.1	37,100	35.8	162.5	40,100	39.2	167.5	42,100	115
116	29.6	152.2	36,600	34.9	161.0	39,600	38.4	166.1	41,600	116
120	25.5	144.7	34,800	31.5	155.0	37,600	35.3	160.9	39,900	120
125	19.3	132.6	32,700	26.5	145.9	35,300	30.9	153.2	37,400	125
130	9.7	113.2	26,400	20.5	134.5	33,100	25.9	143.9	35,100	130
131	6.2	106.1	24,600	18.8	131.0	32,400	24.6	141.6	34,600	131
135				12.0	117.3	29,600	19.7	132.0	32,900	135
137				5.9	104.6	26,100	16.0	124.6	31,800	137
140							10.5	113.5	30,100	140
142							1.2	94.1	25,100	142
145										145
149										149
150										150
155										155
156										156
160										160
163										163

MLC200 S-3

ASME B30.5



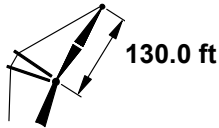
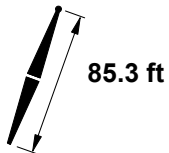
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43										43
45										45
50										50
55										55
57										57
60										60
65										65
67										67
70										70
75										75
80										80
84	62.9	196.6	56,600							84
85	62.3	196.0	56,200							85
90	59.6	193.3	54,200							90
95	56.8	190.2	51,400							95
100	53.9	186.7	48,300	57.9	189.0	46,300				100
105	50.9	182.9	45,400	55.1	185.7	43,600				105
110	47.7	178.5	42,900	52.1	182.1	41,100				110
115	44.4	173.7	40,500	49.0	177.9	38,900				115
116	43.7	172.6	40,100	48.4	177.0	38,500	52.6	179.6	36,900	116
120	40.9	168.3	38,400	45.8	173.3	36,900	50.1	176.4	35,300	120
125	37.1	162.1	36,500	42.3	168.2	35,000	47.0	172.0	33,500	125
130	32.9	155.0	34,700	38.7	162.3	33,300	43.6	167.1	31,900	130
131	32.0	153.3	34,400	37.9	161.0	33,000	42.9	166.0	31,600	131
135	28.2	146.5	33,100	34.7	155.6	31,700	40.0	161.5	30,400	135
137	26.0	142.3	32,500	32.9	152.4	31,100	38.5	158.9	29,800	137
140	22.6	136.0	31,500	30.2	147.7	30,200	36.1	155.1	29,000	140
142	19.7	130.2	31,000	28.1	143.9	29,700	34.4	152.1	28,400	142
145	15.3	121.4	30,100	25.1	138.2	28,900	31.9	147.7	27,700	145
149	3.7	97.5	28,500	19.9	128.2	27,800	28.0	140.6	26,700	149
150				18.6	125.7	27,600	27.0	138.8	26,400	150
155				8.4	104.9	26,300	21.2	127.6	25,300	155
156				4.0	95.7	26,100	19.5	124.4	25,100	156
160							13.0	111.4	24,200	160
163							2.2	88.9	23,500	163

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ASME B30.5



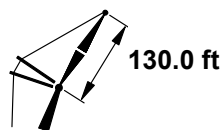
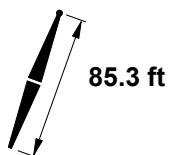
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
46	74.7	218.4	52,100 b						46	
50	72.9	217.3	51,200						50	
55	70.6	215.6	50,100						55	
60	68.2	213.7	49,100	71.0	215.3	50,500			60	
65	65.8	211.6	48,200	68.6	213.4	49,600			65	
70	63.4	209.2	47,200	66.2	211.3	48,700			70	
71	62.9	208.7	46,900	65.8	210.9	48,500	67.9	212.0	49,200	71
75	60.9	206.6	45,400	63.8	209.0	47,800	66.0	210.3	48,500	75
80	58.3	203.7	43,600	61.3	206.4	45,900	63.5	207.9	47,600	80
85	55.7	200.4	41,800	58.8	203.5	44,200	61.0	205.3	45,800	85
89	53.5	197.5	40,500	56.7	201.0	42,700	59.0	203.0	44,300	89
90	53.0	196.8	40,200	56.2	200.4	42,300	58.5	202.4	44,000	90
95	50.2	192.9	38,700	53.5	196.8	40,700	55.9	199.2	42,200	95
100	47.2	188.5	37,200	50.7	192.9	39,100	53.1	195.6	40,600	100
105	44.1	183.6	35,700	47.8	188.6	37,600	50.3	191.7	39,000	105
106	43.5	182.5	35,500	47.2	187.7	37,300	49.8	190.8	38,700	106
110	40.9	178.1	34,300	44.7	183.8	36,200	47.4	187.3	37,600	110
115	37.4	172.0	33,100	41.5	178.5	34,900	44.3	182.4	36,100	115
120	33.6	165.0	32,000	38.1	172.5	33,500	41.1	177.0	34,800	120
122	31.9	161.7	31,600	36.6	169.7	33,100	39.7	174.6	34,300	122
125	29.4	156.8	30,900	34.3	165.6	32,400	37.6	170.9	33,600	125
130	24.5	147.0	30,000	30.2	157.7	31,300	33.8	164.0	32,300	130
135	18.5	134.3	29,200	25.5	148.3	30,300	29.7	155.9	31,300	135
140	9.3	114.0	23,700	19.7	136.2	29,500	24.8	146.2	30,300	140
141	6.0	106.6	22,100	18.1	132.7	29,000	23.7	143.7	30,200	141
145				11.5	118.4	26,600	18.9	133.7	29,500	145
147				5.6	105.1	23,500	15.4	126.0	28,600	147
150							10.1	114.4	27,100	150
152							1.1	94.2	22,700	152
155										155
159										159
160										160
165										165
166										166
170										170
173										173

MLC200 S-3

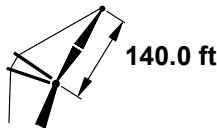
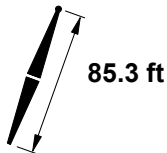
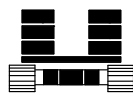
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46										46
50										50
55										55
60										60
65										65
70										70
71										71
75										75
80										80
85										85
89	62.6	205.2	46,600							89
90	62.1	204.7	46,300							90
95	59.6	201.9	44,600							95
100	57.0	198.8	42,900							100
105	54.4	195.4	41,300							105
106	53.8	194.7	41,000	57.6	197.1	42,800				106
110	51.6	191.7	39,700	55.5	194.4	40,900				110
115	48.7	187.5	38,300	52.7	190.8	38,700				115
120	45.7	182.9	36,800	49.9	186.8	36,600				120
122	44.5	180.8	36,300	48.7	185.0	35,900	52.6	187.6	34,400	122
125	42.6	177.7	35,500	47.0	182.4	34,800	50.9	185.3	33,300	125
130	39.2	171.9	34,200	43.9	177.5	33,100	48.0	181.0	31,700	130
135	35.6	165.4	32,900	40.6	172.0	31,500	45.0	176.3	30,200	135
140	31.6	157.9	31,400	37.1	165.7	30,100	41.8	171.0	28,800	140
141	30.7	156.1	31,100	36.3	164.3	29,800	41.1	169.8	28,500	141
145	27.1	149.0	30,000	33.3	158.6	28,700	38.4	165.0	27,500	145
147	24.9	144.5	29,500	31.5	155.3	28,200	36.9	162.3	27,000	147
150	21.7	137.9	28,700	29.0	150.4	27,400	34.7	158.3	26,200	150
152	18.9	131.9	28,200	27.0	146.4	27,000	33.0	155.2	25,800	152
155	14.7	122.7	27,400	24.1	140.3	26,300	30.6	150.5	25,100	155
159	3.5	97.8	25,800	19.1	129.9	25,400	26.9	143.0	24,300	159
160				17.9	127.3	25,100	25.9	141.2	24,000	160
165				8.1	105.6	24,100	20.3	129.5	23,000	165
166				3.8	96.0	23,800	18.8	126.1	22,800	166
170							12.5	112.5	22,100	170
173							2.1	89.1	21,500	173

MLC200 S-3

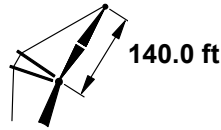
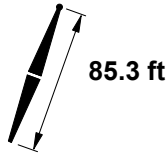
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
48	75.0	228.3	48,400							48
50	74.1	227.7	48,000							50
55	72.0	226.2	47,000							55
60	69.8	224.4	46,100							60
64	68.1	222.9	45,400	70.7	224.5	46,600				64
65	67.6	222.5	45,200	70.2	224.1	46,400				65
70	65.4	220.3	43,500	68.0	222.2	45,600				70
75	63.1	217.9	41,600	65.8	220.1	43,900	67.8	221.2	45,400	75
80	60.8	215.3	39,900	63.5	217.7	42,100	65.5	219.0	43,700	80
85	58.4	212.3	38,200	61.2	215.1	40,400	63.3	216.6	41,900	85
90	56.0	209.1	36,600	58.9	212.2	38,700	61.0	214.0	40,200	90
93	54.5	207.0	35,700	57.4	210.3	37,700	59.5	212.2	39,200	93
95	53.5	205.6	35,000	56.5	209.0	37,100	58.6	211.1	38,500	95
100	50.9	201.7	33,600	54.0	205.6	35,500	56.2	207.9	36,900	100
105	48.2	197.4	32,300	51.4	201.8	34,100	53.7	204.3	35,500	105
110	45.4	192.7	30,900	48.7	197.6	32,700	51.1	200.5	34,000	110
111	44.8	191.7	30,700	48.2	196.6	32,400	50.5	199.6	33,700	111
115	42.5	187.5	29,600	45.9	193.0	31,300	48.4	196.3	32,500	115
120	39.3	181.8	28,500	43.0	187.9	30,000	45.6	191.6	31,300	120
125	36.0	175.3	27,300	39.9	182.2	28,800	42.7	186.4	30,000	125
128	33.8	170.9	26,700	37.9	178.4	28,100	40.8	183.0	29,200	128
130	32.3	167.9	26,300	36.6	175.9	27,700	39.5	180.7	28,800	130
135	28.3	159.4	25,300	33.0	168.7	26,600	36.2	174.3	27,600	135
140	23.6	149.1	24,400	29.1	160.4	25,600	32.6	167.0	26,600	140
145	17.8	135.9	23,700	24.5	150.5	24,700	28.6	158.5	25,600	145
150	9.0	114.8	21,200	19.0	137.9	23,900	23.9	148.4	24,700	150
151	5.8	107.1	19,700	17.4	134.2	23,800	22.8	145.8	24,600	151
155				11.1	119.4	23,400	18.2	135.4	24,000	155
157				5.4	105.6	21,000	14.8	127.3	23,800	157
160							9.8	115.3	23,500	160
162							1.1	94.3	20,300	162
165										165
169										169
170										170
175										175
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183										183

MLC200 S-3

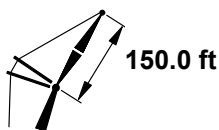
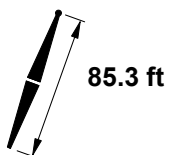
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48										48
50										50
55										55
60										60
64										64
65										65
70										70
75										75
80										80
85										85
90										90
93	62.9	214.4	41,300							93
95	62.0	213.4	40,700							95
100	59.6	210.6	39,100							100
105	57.2	207.5	37,500							105
110	54.8	204.1	36,100							110
111	54.3	203.4	35,800	57.8	205.8	37,600				111
115	52.2	200.4	34,600	55.8	203.1	36,400				115
120	49.6	196.4	33,200	53.3	199.6	35,000				120
125	46.9	191.9	31,900	50.7	195.7	33,600				125
128	45.1	189.0	31,100	49.1	193.1	32,900	52.7	195.6	32,000	128
130	44.0	187.0	30,600	48.0	191.4	32,400	51.6	194.1	31,300	130
135	40.9	181.5	29,400	45.2	186.6	31,000	49.0	189.9	29,800	135
140	37.7	175.4	28,200	42.2	181.4	29,800	46.2	185.4	28,400	140
145	34.2	168.5	27,100	39.1	175.6	28,400	43.3	180.3	27,100	145
150	30.4	160.6	26,100	35.7	169.0	27,200	40.2	174.7	25,900	150
151	29.5	158.8	25,900	34.9	167.5	26,900	39.6	173.5	25,700	151
155	26.1	151.3	25,200	32.0	161.6	26,000	36.9	168.4	24,800	155
157	24.0	146.7	24,900	30.4	158.1	25,500	35.5	165.6	24,400	157
160	20.9	139.8	24,400	27.9	152.9	24,900	33.4	161.3	23,800	160
162	18.2	133.5	24,100	26.0	148.7	24,500	31.8	158.1	23,400	162
165	14.2	124.0	23,700	23.2	142.4	23,900	29.5	153.2	22,800	165
169	3.4	98.1	23,100	18.4	131.6	23,100	25.9	145.4	22,000	169
170				17.2	128.8	22,900	25.0	143.4	21,800	170
175				7.8	106.3	21,900	19.6	131.2	20,900	175
176				3.7	96.3	21,700	18.1	127.7	20,800	176
180							12.1	113.6	20,100	180
183							2.0	89.3	19,500	183

MLC200 S-3

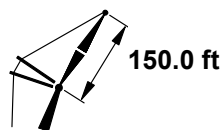
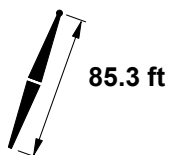
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	74.8	237.8	44,800						51	
55	73.2	236.7	44,000						55	
60	71.2	235.1	43,200						60	
65	69.2	233.3	41,900						65	
67	68.4	232.4	41,200	70.8	234.0	43,100			67	
70	67.1	231.2	40,100	69.6	232.9	42,300			70	
75	65.0	229.0	38,400	67.5	231.0	40,500			75	
79	63.3	227.1	37,100	65.8	229.2	39,200	67.7	230.3	40,500	
80	62.9	226.6	36,800	65.4	228.8	38,800	67.3	229.9	40,200	
85	60.8	223.9	35,200	63.3	226.4	37,100	65.2	227.7	38,600	
90	58.5	221.0	33,600	61.2	223.7	35,600	63.1	225.3	37,000	
95	56.3	217.8	32,200	59.0	220.9	34,100	60.9	222.6	35,400	
98	54.9	215.7	31,300	57.6	219.0	33,100	59.6	220.9	34,500	
100	53.9	214.3	30,700	56.7	217.7	32,500	58.7	219.7	33,900	
105	51.5	210.5	29,300	54.4	214.3	31,200	56.4	216.5	32,400	
110	49.1	206.3	28,000	52.0	210.5	29,800	54.1	213.1	31,000	
115	46.5	201.8	26,800	49.5	206.5	28,500	51.7	209.3	29,700	
116	45.9	200.8	26,600	49.0	205.6	28,200	51.2	208.5	29,400	
120	43.8	196.8	25,700	47.0	202.0	27,200	49.2	205.2	28,400	
125	41.0	191.3	24,500	44.3	197.1	26,000	46.7	200.7	27,100	
130	37.9	185.3	23,500	41.5	191.7	24,900	44.0	195.7	25,900	
134	35.4	179.8	22,700	39.1	187.0	24,000	41.7	191.3	25,000	
135	34.7	178.5	22,500	38.5	185.8	23,800	41.1	190.3	24,800	
140	31.2	170.8	21,600	35.3	179.1	22,800	38.1	184.2	23,700	
145	27.3	161.8	20,700	31.9	171.6	21,800	34.9	177.5	22,800	
150	22.8	151.1	19,900	28.1	162.9	21,000	31.4	169.8	21,800	
155	17.2	137.4	19,200	23.7	152.6	20,100	27.6	161.0	20,900	
160	8.7	115.6	18,700	18.4	139.6	19,400	23.1	150.4	20,100	
161	5.6	107.6	17,800	16.8	135.7	19,300	22.0	147.7	20,000	
165				10.7	120.3	18,900	17.6	137.0	19,400	
167				5.2	106.1	18,800	14.3	128.6	19,200	
170							9.4	116.2	18,900	
172							1.1	94.4	18,400	
175									175	
179									179	
180									180	
185									185	
186									186	
190									190	
193									193	

MLC200 S-3

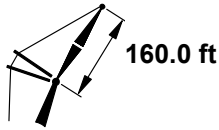
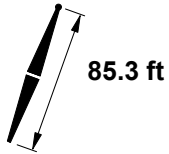
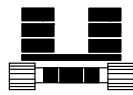
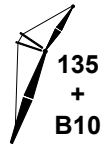
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51										51
55										55
60										60
65										65
67										67
70										70
75										75
79										79
80										80
85										85
90										90
95										95
98	62.7	223.1	36,500							98
100	61.9	222.1	35,900							100
105	59.7	219.3	34,400							105
110	57.4	216.2	33,000							110
115	55.1	212.9	31,600							115
116	54.7	212.1	31,300	57.9	214.4	33,000				116
120	52.8	209.2	30,200	56.1	211.8	31,900				120
125	50.3	205.2	29,000	53.7	208.3	30,600				125
130	47.8	200.9	27,700	51.3	204.5	29,400				130
134	45.7	197.1	26,800	49.3	201.1	28,400	52.7	203.6	29,800	134
135	45.2	196.2	26,500	48.9	200.3	28,100	52.2	202.9	29,600	135
140	42.4	190.9	25,300	46.3	195.7	27,000	49.8	198.8	28,300	140
145	39.5	185.2	24,300	43.6	190.7	25,800	47.2	194.4	27,100	145
150	36.4	178.8	23,200	40.7	185.2	24,700	44.5	189.5	25,900	150
155	33.0	171.6	22,300	37.7	179.1	23,700	41.8	184.2	24,700	155
160	29.4	163.3	21,400	34.4	172.2	22,700	38.8	178.3	23,700	160
161	28.5	161.3	21,200	33.7	170.6	22,500	38.2	177.0	23,500	161
165	25.2	153.6	20,500	30.9	164.4	21,800	35.6	171.7	22,700	165
167	23.2	148.8	20,200	29.3	160.8	21,400	34.3	168.7	22,300	167
170	20.2	141.6	19,800	27.0	155.3	20,900	32.2	164.3	21,800	170
172	17.6	135.1	19,500	25.1	151.0	20,600	30.7	160.9	21,400	172
175	13.7	125.2	19,100	22.4	144.4	20,200	28.4	155.7	20,900	175
179	3.3	98.4	19,000	17.8	133.2	19,600	25.0	147.6	20,300	179
180				16.7	130.3	19,400	24.1	145.6	20,100	180
185				7.5	107.0	19,000	18.9	132.9	19,300	185
186				3.5	96.6	19,000	17.4	129.2	19,100	186
190							11.6	114.6	18,500	190
193							2.0	89.4	18,000	193

MLC200 S-3

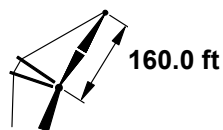
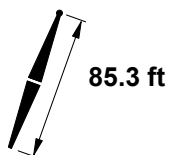
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	74.7	247.3	41,200							54
55	74.3	247.1	41,100							55
60	72.4	245.6	40,100							60
65	70.5	243.9	38,400							65
70	68.6	242.0	36,700	70.9	243.5	38,600				70
75	66.7	240.0	35,000	69.0	241.7	37,000				75
80	64.7	237.7	33,400	67.1	239.7	35,400				80
82	63.9	236.7	32,800	66.3	238.8	34,800	68.0	239.9	36,100	82
85	62.7	235.3	31,900	65.1	237.5	33,800	66.8	238.7	35,200	85
90	60.7	232.6	30,400	63.1	235.1	32,300	64.9	236.4	33,600	90
95	58.6	229.6	29,000	61.1	232.4	30,800	62.9	234.0	32,100	95
100	56.5	226.5	27,600	59.0	229.5	29,400	60.8	231.3	30,700	100
102	55.6	225.1	27,100	58.2	228.3	28,800	60.0	230.1	30,100	102
105	54.3	223.0	26,300	56.9	226.4	28,000	58.8	228.4	29,300	105
110	52.1	219.3	25,100	54.7	223.0	26,700	56.6	225.2	27,800	110
115	49.8	215.2	23,800	52.5	219.3	25,400	54.5	221.8	26,500	115
120	47.4	210.8	22,700	50.2	215.3	24,200	52.2	218.1	25,300	120
122	46.4	208.9	22,200	49.3	213.6	23,700	51.3	216.5	24,800	122
125	44.9	206.0	21,600	47.9	211.0	23,000	49.9	214.0	24,100	125
130	42.3	200.8	20,600	45.4	206.3	21,900	47.6	209.7	22,900	130
135	39.6	195.0	19,600	42.8	201.1	20,800	45.1	204.9	21,800	135
140	36.7	188.6	18,600	40.1	195.4	19,800	42.5	199.7	20,800	140
145	33.6	181.5	17,800	37.2	189.2	18,900	39.8	193.9	19,800	145
150	30.2	173.5	16,900	34.2	182.2	18,000	36.9	187.6	18,800	150
155	26.4	164.2	16,200	30.8	174.4	17,200	33.8	180.6	17,900	155
160	22.1	153.1	15,400	27.2	165.4	16,400	30.4	172.6	17,100	160
165	16.7	138.9	14,600	22.9	154.7	15,600	26.7	163.4	16,300	165
170	8.4	116.4	13,800	17.8	141.2	14,800	22.4	152.4	15,600	170
171	5.4	108.1	13,600	16.3	137.2	14,700	21.3	149.6	15,400	171
175				10.4	121.2	13,900	17.0	138.5	14,800	175
177				5.1	106.5	13,700	13.9	129.9	14,400	177
180							9.1	117.0	13,900	180
182							1.0	94.5	13,700	182
185										185
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MLC200 S-3

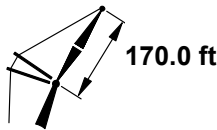
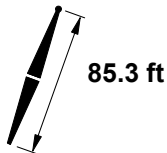
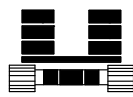
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54										54
55										55
60										60
65										65
70										70
75										75
80										80
82										82
85										85
90										90
95										95
100										100
102	63.0	232.3	32,000							102
105	61.7	230.7	31,100							105
110	59.7	227.9	29,800							110
115	57.6	224.9	28,400							115
120	55.5	221.6	27,100							120
122	54.6	220.1	26,600	57.6	222.5	28,200				122
125	53.2	218.0	25,800	56.3	220.5	27,500				125
130	51.0	214.1	24,600	54.2	217.0	26,200				130
135	48.6	209.9	23,400	51.9	213.3	25,000				135
140	46.2	205.3	22,400	49.6	209.2	23,900	52.7	211.6	25,300	140
145	43.7	200.2	21,300	47.2	204.8	22,700	50.4	207.7	24,100	145
150	41.0	194.8	20,200	44.7	199.9	21,700	48.1	203.4	23,000	150
155	38.2	188.7	19,300	42.1	194.6	20,700	45.6	198.7	22,000	155
160	35.2	182.0	18,400	39.4	188.8	19,700	43.1	193.6	21,000	160
165	32.0	174.5	17,500	36.4	182.4	18,800	40.4	188.0	20,000	165
170	28.4	165.9	16,700	33.3	175.2	17,900	37.5	181.8	19,100	170
171	27.6	163.9	16,600	32.6	173.6	17,700	36.9	180.4	18,900	171
175	24.4	155.8	15,900	29.9	167.1	17,000	34.5	174.9	18,200	175
177	22.4	150.8	15,700	28.4	163.3	16,700	33.1	171.8	17,900	177
180	19.6	143.4	15,300	26.1	157.7	16,200	31.2	167.1	17,400	180
182	17.0	136.6	14,900	24.3	153.2	16,000	29.7	163.6	17,100	182
185	13.2	126.4	14,300	21.7	146.4	15,600	27.5	158.2	16,600	185
189	3.2	98.7	13,700	17.2	134.7	14,800	24.2	149.8	16,000	189
190				16.1	131.8	14,700	23.3	147.7	15,800	190
195				7.3	107.6	13,800	18.3	134.6	15,000	195
196				3.4	96.9	13,700	16.9	130.8	14,900	196
200							11.3	115.6	14,100	200
203							1.9	89.6	13,700	203

MLC200 S-3

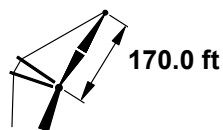
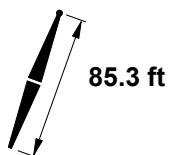
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	74.9	257.2	38,100							56
60	73.5	256.0	37,000							60
65	71.7	254.5	35,400							65
70	70.0	252.7	33,800							70
73	68.9	251.6	32,900	71.0	253.1	34,800				73
75	68.1	250.8	32,200	70.3	252.4	34,100				75
80	66.3	248.7	30,800	68.5	250.5	32,600				80
85	64.5	246.4	29,300	66.7	248.4	31,100				85
86	64.1	245.9	29,000	66.3	248.0	30,800	67.9	249.1	32,000	86
90	62.6	243.9	27,900	64.8	246.2	29,600	66.4	247.4	30,800	90
95	60.7	241.2	26,500	62.9	243.7	28,200	64.6	245.1	29,400	95
100	58.7	238.3	25,200	61.0	241.1	26,800	62.7	242.6	28,000	100
105	56.7	235.2	23,900	59.1	238.2	25,500	60.8	240.0	26,700	105
107	55.9	233.8	23,500	58.3	236.9	25,000	60.0	238.8	26,200	107
110	54.7	231.7	22,800	57.1	235.1	24,300	58.8	237.1	25,400	110
115	52.6	228.1	21,600	55.1	231.7	23,000	56.8	233.9	24,100	115
120	50.4	224.1	20,500	53.0	228.1	21,900	54.8	230.5	22,900	120
125	48.2	219.8	19,400	50.8	224.2	20,700	52.7	226.9	21,800	125
127	47.3	217.9	19,000	49.9	222.5	20,300	51.9	225.3	21,300	127
130	45.9	215.1	18,400	48.6	219.9	19,700	50.6	222.9	20,700	130
135	43.5	210.1	17,500	46.3	215.3	18,700	48.4	218.6	19,600	135
140	41.0	204.6	16,500	44.0	210.4	17,700	46.1	214.0	18,600	140
145	38.4	198.6	15,700	41.5	205.0	16,800	43.7	209.0	17,600	145
146	37.8	197.2	15,500	40.9	203.8	16,600	43.2	207.9	17,400	146
150	35.6	191.9	14,900	38.9	199.0	15,900	41.2	203.5	16,600	150
155	32.6	184.5	14,100	36.1	192.5	15,000	38.5	197.5	15,800	155
160	29.3	176.2	13,300	33.1	185.3	14,200	35.8	190.9	15,000	160
165	25.6	166.5	12,300	29.9	177.1	13,500	32.8	183.6	14,200	165
170	21.4	155.0	11,500	26.3	167.7	12,600	29.5	175.3	13,400	170
175	16.2	140.3	10,600	22.2	156.7	11,600	25.9	165.7	12,400	175
180	8.1	117.1	9,900	17.2	142.7	10,800	21.7	154.4	11,600	180
181	5.2	108.5	9,800	15.8	138.6	10,600	20.7	151.5	11,400	181
185				10.1	122.1	10,000	16.5	140.0	10,700	185
187				4.9	106.9	9,800	13.5	131.1	10,400	187
190							8.9	117.8	9,900	190
192							1.0	94.5	9,800	192
195										195
199										199
200										200
205										205
206										206
210										210
213										213

MLC200 S-3

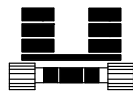
ASME B30.5



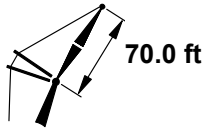
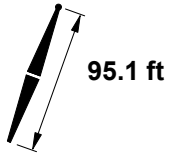
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
70										70
73										73
75										75
80										80
85										85
86										86
90										90
95										95
100										100
105										105
107	62.8	241.0	27,900							107
110	61.6	239.4	27,200							110
115	59.7	236.6	25,900							115
120	57.7	233.5	24,600							120
125	55.7	230.3	23,400							125
127	54.9	228.8	23,000	57.8	231.1	24,500				127
130	53.7	226.7	22,300	56.6	229.2	23,800				130
135	51.5	222.9	21,100	54.5	225.8	22,600				135
140	49.4	218.8	20,100	52.4	222.1	21,600				140
145	47.1	214.3	19,100	50.3	218.1	20,500				145
146	46.6	213.3	18,900	49.8	217.2	20,300	52.7	219.6	21,500	146
150	44.7	209.4	18,100	48.0	213.7	19,400	51.0	216.5	20,700	150
155	42.3	204.2	17,100	45.7	209.0	18,500	48.8	212.3	19,700	155
160	39.7	198.4	16,200	43.3	204.0	17,500	46.6	207.7	18,800	160
165	37.0	192.1	15,400	40.8	198.4	16,600	44.2	202.8	17,800	165
170	34.1	185.1	14,600	38.1	192.3	15,800	41.7	197.4	16,900	170
175	31.0	177.3	13,800	35.3	185.6	14,900	39.1	191.6	16,100	175
180	27.5	168.4	12,900	32.3	178.2	14,100	36.4	185.1	15,200	180
181	26.8	166.3	12,700	31.6	176.5	14,000	35.8	183.7	15,100	181
185	23.6	157.9	12,000	29.0	169.7	13,300	33.4	177.9	14,400	185
187	21.8	152.8	11,700	27.5	165.8	13,000	32.1	174.7	14,100	187
190	19.0	145.1	11,100	25.3	160.0	12,400	30.2	169.9	13,700	190
192	16.5	138.1	10,800	23.6	155.3	12,000	28.8	166.2	13,300	192
195	12.8	127.6	10,300	21.0	148.3	11,500	26.7	160.6	12,800	195
199	3.1	99.0	9,800	16.7	136.2	10,800	23.4	151.9	12,000	199
200				15.6	133.2	10,600	22.6	149.7	11,900	200
205				7.1	108.2	9,900	17.7	136.1	11,000	205
206				3.3	97.2	9,800	16.4	132.2	10,800	206
210							10.9	116.6	10,200	210
213							1.8	89.8	9,800	213

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ASME B30.5



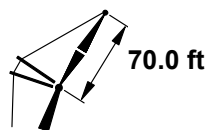
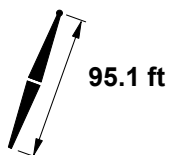
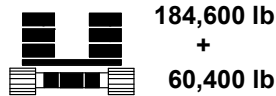
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	74.4	170.3	110,400 d							31
35	71.0	169.1	110,400 c							35
40	66.6	167.1	108,600 b							40
42	64.8	166.2	106,500 b	70.7	168.2	112,100 c				42
45	62.1	164.7	103,400 b	68.0	167.1	111,100 c				45
50	57.3	161.8	98,700	63.6	164.8	105,700 b	68.0	166.2	111,100 c	50
55	52.3	158.3	94,700	58.9	162.1	100,900 b	63.5	163.9	105,800 b	55
60	47.0	154.0	91,200	54.0	158.7	96,700	58.8	161.2	95,000 b	60
64	42.2	149.9	83,900	49.8	155.5	89,800	54.9	158.5	87,800 b	64
65	41.1	148.9	82,100	48.7	154.7	88,100	53.9	157.8	86,000	65
70	34.4	142.4	74,200	43.0	149.9	80,400	48.6	153.8	78,500	70
75	26.3	133.8	67,600	36.6	143.9	73,800	42.9	148.9	72,100	75
77	21.5	128.4	62,100	33.6	140.8	71,600	40.4	146.5	69,900	77
80	14.5	120.4	53,800	29.1	136.2	68,200	36.5	142.9	66,600	80
82	4.6	108.5	45,400	25.1	131.7	65,700	33.5	139.8	64,700	82
85				19.0	125.0	61,900	28.9	135.1	61,800	85
88				8.8	112.9	51,400	22.9	128.4	59,200	88
90							18.8	123.8	57,500	90
93							8.3	111.4	53,100	93
95										95
100										100
101										101
105										105
109										109
110										110
115										115
117										117

MLC200 S-3

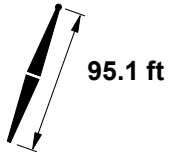
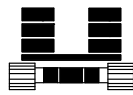
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31										31
35										35
40										40
42										42
45										45
50										50
55										55
60										60
64	62.6	161.4	84,200 b							64
65	61.7	160.9	82,600 b							65
70	56.9	157.9	75,400							70
75	51.9	154.4	69,200							75
77	49.7	152.6	67,100	57.8	155.8	64,300 b				77
80	46.5	150.0	63,900	54.8	153.8	61,300				80
82	44.1	147.9	62,100	52.7	152.3	59,600				82
85	40.5	144.8	59,400	49.6	149.9	56,900				85
88	36.5	140.8	56,900	46.3	147.1	54,600				88
90	33.8	138.2	55,300	44.0	145.2	53,100	52.4	148.7	50,800	90
93	28.8	132.9	53,100	40.3	141.8	51,000	49.1	146.1	48,900	93
95	25.5	129.4	51,700	37.8	139.5	49,600	47.0	144.4	47,500	95
100	13.0	115.0	48,400	30.5	132.1	46,500	41.1	139.3	44,600	100
101	8.7	109.8	47,800	28.6	130.0	46,000	39.8	138.0	44,100	101
105				21.0	121.7	43,800	34.4	132.8	42,000	105
109				7.8	106.1	41,600	27.9	126.0	40,000	109
110							26.3	124.3	39,600	110
115							14.6	110.8	37,300	115
117							4.8	99.1	36,400	117

MLC200 S-3

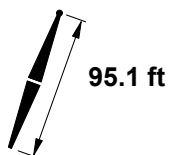
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.0	180.1	100,900 c							33
35	73.5	179.6	100,800 c							35
40	69.7	177.9	100,200 b							40
45	65.8	175.8	95,300 b	70.9	177.7	102,000 c				45
50	61.8	173.4	90,900	67.1	175.8	97,400 b				50
54	58.5	171.1	87,700	63.9	173.9	93,900 b	67.8	175.3	98,300 b	54
55	57.7	170.5	86,900	63.1	173.5	93,000 b	67.0	174.9	97,500 b	55
60	53.3	167.0	83,300	59.0	170.7	88,900	63.0	172.6	93,100 b	60
65	48.7	163.0	80,200	54.8	167.5	85,200	59.0	169.8	85,800	65
69	44.8	159.2	75,300	51.1	164.4	81,200	55.5	167.2	79,700	69
70	43.8	158.2	74,100	50.2	163.6	80,200	54.7	166.5	78,200	70
75	38.3	152.5	67,500	45.4	159.1	73,600	50.2	162.7	71,900	75
80	32.1	145.4	61,900	40.1	153.7	68,000	45.3	158.1	66,400	80
83	27.6	139.8	59,000	36.6	149.7	65,100	42.1	154.9	63,500	83
85	24.5	136.1	57,100	34.2	147.1	63,100	40.0	152.7	61,600	85
90	13.5	121.6	47,300	27.2	138.7	58,600	34.1	146.1	57,400	90
92	4.3	108.8	40,200	23.4	133.8	56,800	31.3	142.7	55,900	92
95				17.8	126.6	54,200	27.0	137.6	53,700	95
96				14.6	122.2	51,300	25.1	135.2	53,000	96
98				8.2	113.6	45,500	21.4	130.3	51,700	98
100							17.6	125.4	50,300	100
103							7.8	112.1	47,000	103
105										105
110										110
111										111
115										115
119										119
120										120
125										125
127										127

MLC200 S-3

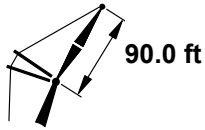
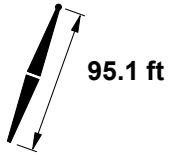
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33										33
35										35
40										40
45										45
50										50
54										54
55										55
60										60
65										65
69	62.3	170.1	76,400							69
70	61.5	169.6	75,000							70
75	57.3	166.6	68,900							75
80	53.0	163.1	63,700							80
83	50.2	160.7	60,900	57.2	163.8	58,300				83
85	48.3	159.0	59,100	55.5	162.5	56,600				85
90	43.3	154.2	55,100	51.0	158.8	52,700				90
92	41.1	151.8	53,600	49.1	157.0	51,400				92
95	37.8	148.3	51,500	46.2	154.4	49,300				95
96	36.6	146.9	50,900	45.2	153.3	48,700	52.5	156.7	46,600	96
98	34.0	144.0	49,600	43.1	151.2	47,500	50.6	155.0	45,400	98
100	31.5	141.1	48,300	41.0	149.1	46,300	48.7	153.4	44,300	100
103	26.9	135.4	46,600	37.6	145.3	44,600	45.8	150.5	42,700	103
105	23.8	131.6	45,500	35.2	142.8	43,600	43.8	148.6	41,700	105
110	12.2	116.1	42,800	28.4	134.7	41,100	38.3	142.9	39,300	110
111	8.1	110.5	42,300	26.7	132.5	40,600	37.1	141.4	38,900	111
115				19.6	123.5	38,800	32.1	135.8	37,100	115
119				7.3	106.8	37,000	26.1	128.4	35,600	119
120							24.6	126.5	35,200	120
125							13.6	112.1	33,300	125
127							4.5	99.5	32,500	127

MLC200 S-3

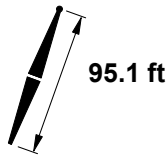
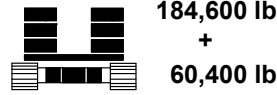
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	74.7	189.7	90,500 c							36
40	72.0	188.5	87,700 c							40
45	68.6	186.7	83,600 b							45
49	65.9	185.0	80,600 b	70.4	186.9	86,100 b				49
50	65.2	184.6	79,800	69.7	186.6	85,300 b				50
55	61.6	182.1	76,300	66.3	184.5	81,500 b				55
58	59.4	180.3	74,300	64.2	183.1	79,400 b	67.6	184.5	83,000 b	58
60	57.9	179.1	73,000	62.8	182.2	78,000	66.2	183.6	81,600 b	60
65	54.1	175.8	70,100	59.1	179.4	74,700	62.7	181.3	78,200	65
70	50.1	171.9	67,400	55.4	176.2	71,700	59.1	178.5	74,900	70
73	47.5	169.2	66,000	53.0	173.9	70,000	56.8	176.5	73,000	73
75	45.8	167.4	65,000	51.4	172.4	68,900	55.3	175.3	71,700	75
80	41.1	162.1	62,500	47.2	168.1	66,400	51.3	171.5	66,200	80
85	36.0	155.8	57,600	42.7	163.1	63,000	47.1	167.2	61,500	85
88	32.5	151.2	55,000	39.7	159.6	60,500	44.4	164.2	59,000	88
90	30.2	148.2	53,300	37.7	157.2	58,800	42.6	162.2	57,300	90
95	23.1	138.2	49,600	32.2	150.1	54,700	37.6	156.2	53,600	95
100	12.8	122.8	41,600	25.6	141.0	50,800	32.1	149.1	50,300	100
102	4.0	109.2	35,600	22.1	135.8	49,400	29.4	145.4	49,100	102
105				16.8	128.1	47,300	25.5	140.0	47,400	105
108				7.8	114.3	40,200	20.1	132.1	45,700	108
110							16.6	126.9	44,700	110
113							7.3	112.8	41,700	113
115										115
120										120
121										121
125										125
129										129
130										130
135										135
137										137

MLC200 S-3

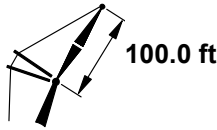
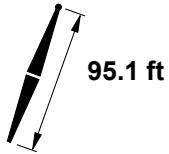
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36										36
40										40
45										45
49										49
50										50
55										55
58										58
60										60
65										65
70										70
73	62.8	179.3	71,000							73
75	61.3	178.2	68,700							75
80	57.6	175.3	63,500							80
85	53.8	171.9	58,900							85
88	51.3	169.5	56,500	57.5	172.5	54,000				88
90	49.7	167.9	54,900	56.0	171.2	52,500				90
95	45.4	163.4	51,400	52.1	167.6	49,100				95
100	40.7	158.0	48,200	47.9	163.4	46,100				100
102	38.7	155.5	47,100	46.1	161.4	45,000	52.5	164.7	43,000	102
105	35.6	151.6	45,400	43.4	158.5	43,400	50.1	162.3	41,500	105
108	32.0	147.0	43,800	40.5	155.0	41,900	47.5	159.6	40,100	108
110	29.7	143.8	42,800	38.6	152.7	41,000	45.8	157.8	39,100	110
113	25.3	137.7	41,400	35.3	148.6	39,600	43.0	154.6	37,900	113
115	22.4	133.6	40,500	33.2	145.8	38,700	41.2	152.5	37,000	115
120	11.5	117.2	38,300	26.8	137.2	36,700	36.1	146.2	35,100	120
121	7.6	111.2	37,800	25.1	134.8	36,300	34.9	144.7	34,700	121
125				18.5	125.2	34,800	30.2	138.6	33,300	125
129				6.9	107.4	33,300	24.6	130.6	31,900	129
130							23.2	128.6	31,600	130
135							12.8	113.2	30,000	135
137							4.2	99.9	29,400	137

MLC200 S-3

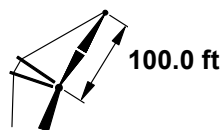
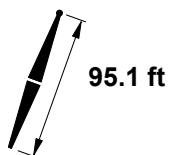
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
39	74.5	199.2	82,400 c						39	
40	73.9	198.9	82,200 c						40	
45	70.9	197.3	78,300 b						45	
50	67.8	195.5	74,600						50	
52	66.5	194.6	73,200	70.6	196.5	78,300 b			52	
55	64.7	193.3	71,100	68.8	195.4	76,000 b			55	
60	61.5	190.7	67,900	65.7	193.3	72,600			60	
62	60.1	189.5	66,700	64.4	192.3	71,300	67.5	193.7	74,600	62
65	58.2	187.8	65,000	62.5	190.8	69,400	65.6	192.4	72,600	65
70	54.7	184.5	62,200	59.2	188.0	66,400	62.4	189.9	69,500	70
75	51.1	180.7	59,700	55.8	184.9	63,600	59.2	187.1	66,500	75
78	48.8	178.1	58,300	53.7	182.7	62,100	57.1	185.2	64,900	78
80	47.3	176.4	57,300	52.3	181.2	61,000	55.8	183.9	63,800	80
85	43.3	171.5	55,100	48.6	177.1	58,600	52.2	180.3	61,200	85
90	38.9	165.7	53,100	44.6	172.4	56,400	48.5	176.2	57,100	90
93	36.1	161.7	50,800	42.1	169.1	55,200	46.1	173.3	54,800	93
95	34.1	159.0	49,300	40.4	166.9	54,400	44.6	171.4	53,400	95
100	28.6	150.8	46,000	35.7	160.5	50,500	40.3	166.0	50,100	100
105	21.9	140.2	43,100	30.5	152.9	47,000	35.6	159.6	47,200	105
108	16.0	130.4	39,500	26.7	147.1	45,200	32.5	154.9	45,600	108
110	12.1	123.8	37,100	24.3	143.2	44,000	30.4	151.9	44,500	110
112	3.8	109.6	31,900	20.9	137.7	42,900	27.9	148.0	43,500	112
115				15.9	129.5	41,200	24.1	142.2	42,100	115
118				7.4	115.0	36,100	19.1	133.9	40,700	118
120							15.7	128.4	39,800	120
123							7.0	113.4	37,400	123
125										125
130										130
131										131
135										135
139										139
140										140
145										145
147										147

MLC200 S-3

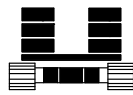
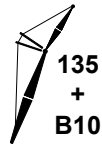
ASME B30.5



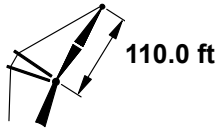
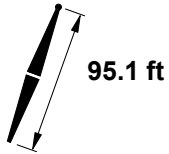
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39										39
40										40
45										45
50										50
52										52
55										55
60										60
62										62
65										65
70										70
75										75
78	62.5	188.0	65,100							78
80	61.2	186.9	63,100							80
85	57.9	184.0	58,600							85
90	54.4	180.6	54,600							90
93	52.2	178.3	52,500	57.8	181.2	50,100				93
95	50.8	176.8	51,100	56.4	179.9	48,800				95
100	47.0	172.4	47,900	52.9	176.3	45,800				100
105	42.9	167.4	45,100	49.2	172.3	43,100				105
108	40.3	163.9	43,600	46.9	169.5	41,600	52.6	172.7	39,700	108
110	38.6	161.6	42,600	45.3	167.7	40,600	51.1	171.1	38,800	110
112	36.6	158.9	41,600	43.6	165.5	39,800	49.6	169.4	37,900	112
115	33.7	154.8	40,200	41.1	162.4	38,400	47.4	166.8	36,700	115
118	30.3	149.7	39,000	38.4	158.6	37,200	44.9	163.8	35,500	118
120	28.1	146.4	38,100	36.5	156.1	36,400	43.3	161.9	34,700	120
123	24.0	139.9	37,000	33.5	151.7	35,300	40.7	158.4	33,700	123
125	21.2	135.5	36,200	31.4	148.7	34,600	39.0	156.1	33,000	125
130	10.9	118.2	34,300	25.4	139.5	32,800	34.2	149.4	31,300	130
131	7.2	111.9	34,000	23.8	136.9	32,500	33.1	147.8	31,000	131
135				17.6	126.8	31,200	28.7	141.2	29,800	135
139				6.6	108.0	30,000	23.3	132.7	28,700	139
140							22.0	130.6	28,400	140
145							12.2	114.3	27,100	145
147							4.0	100.3	26,500	147

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ASME B30.5



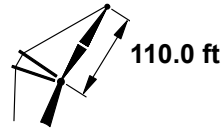
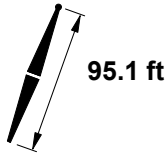
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	74.8	209.0	75,200 b							41
45	72.7	207.9	72,800 b							45
50	69.9	206.2	69,900							50
55	67.1	204.2	67,200	70.8	206.0	71,100 b				55
60	64.3	202.0	64,600	68.0	204.1	68,400				60
65	61.3	199.4	62,200	65.2	202.0	65,800	68.0	203.2	68,200	65
70	58.3	196.5	59,800	62.3	199.5	63,400	65.1	201.1	65,800	70
75	55.2	193.2	57,500	59.3	196.7	61,000	62.2	198.6	63,400	75
80	52.0	189.5	55,300	56.2	193.6	58,700	59.2	195.8	61,100	80
82	50.6	187.8	54,400	54.9	192.1	57,800	58.0	194.5	60,200	82
85	48.6	185.4	53,200	53.0	190.0	56,400	56.2	192.6	58,800	85
90	45.0	180.7	51,200	49.7	186.0	54,300	53.0	189.1	56,600	90
95	41.2	175.3	49,500	46.2	181.5	52,200	49.6	185.1	53,400	95
98	38.7	171.6	47,800	43.9	178.4	51,100	47.5	182.4	51,400	98
100	37.1	169.2	46,800	42.4	176.4	50,400	46.1	180.5	50,100	100
105	32.5	162.0	43,600	38.4	170.5	48,000	42.4	175.4	47,200	105
110	27.3	153.3	40,800	34.0	163.7	44,700	38.4	169.5	44,500	110
114	22.2	144.3	38,700	30.0	157.2	42,300	34.8	164.0	42,600	114
115	20.9	142.1	38,100	29.0	155.5	41,700	33.9	162.7	42,100	115
120	11.5	124.9	31,900	23.1	145.3	39,100	28.9	154.5	39,900	120
122	3.7	109.9	27,100	19.9	139.5	38,000	26.6	150.4	39,100	122
125				15.2	130.9	36,500	23.0	144.2	37,900	125
128				7.0	115.6	31,000	18.2	135.5	36,800	128
130							15.0	129.7	36,000	130
133							6.6	114.0	32,300	133
135										135
140										140
141										141
145										145
149										149
150										150
155										155
157										157

MLC200 S-3

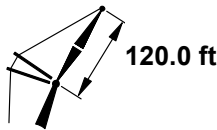
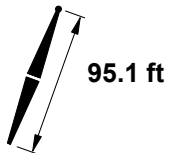
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
41									41	
45									45	
50									50	
55									55	
60									60	
65									65	
70									70	
75									75	
80									80	
82	62.8	197.2	61,200						82	
85	61.1	195.6	58,500						85	
90	58.1	192.6	54,500						90	
95	54.9	189.3	51,000						95	
98	53.0	187.1	49,100	58.0	189.9	46,900			98	
100	51.7	185.6	47,900	56.7	188.6	45,700			100	
105	48.3	181.4	45,100	53.6	185.1	43,000			105	
110	44.7	176.6	42,600	50.2	181.2	40,600			110	
114	41.6	172.3	40,700	47.5	177.6	38,900	52.6	180.7	37,000	
115	40.9	171.2	40,300	46.8	176.8	38,400	52.0	179.9	36,600	
120	36.7	165.0	38,200	43.1	171.7	36,400	48.6	175.8	34,700	
122	34.8	162.1	37,400	41.5	169.4	35,700	47.2	173.9	34,000	
125	32.1	157.7	36,200	39.1	166.0	34,600	45.0	171.1	32,900	
128	28.9	152.4	35,200	36.5	162.0	33,600	42.7	167.9	32,000	
130	26.8	148.8	34,500	34.8	159.4	32,900	41.2	165.7	31,300	
133	22.9	141.9	33,500	31.9	154.6	31,900	38.7	162.0	30,400	
135	20.3	137.4	32,800	29.9	151.5	31,300	37.1	159.6	29,800	
140	10.4	119.1	31,300	24.2	141.7	29,900	32.5	152.4	28,500	
141	6.9	112.5	30,900	22.7	139.0	29,600	31.5	150.6	28,200	
145				16.7	128.3	28,500	27.3	143.7	27,200	
149				6.3	108.6	27,400	22.2	134.7	26,200	
150							20.9	132.5	26,000	
155							11.6	115.4	24,800	
157							3.8	100.6	24,300	

MLC200 S-3

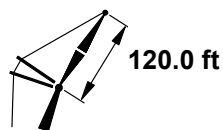
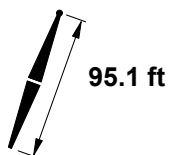
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	74.6	218.6	68,100 b							44
45	74.2	218.3	67,600 b							45
50	71.7	216.8	64,700							50
55	69.1	215.0	62,100							55
58	67.6	213.8	60,600	71.0	215.6	64,100				58
60	66.5	212.9	59,600	69.9	214.8	63,100				60
65	63.9	210.6	57,200	67.4	212.9	60,700				65
69	61.8	208.6	55,400	65.3	211.1	58,800	67.8	212.4	61,000	69
70	61.2	208.0	54,900	64.8	210.7	58,300	67.3	212.0	60,500	70
75	58.5	205.1	52,800	62.1	208.2	56,000	64.7	209.8	58,300	75
80	55.6	201.9	50,800	59.4	205.4	53,900	62.0	207.3	56,100	80
85	52.7	198.3	48,800	56.5	202.2	51,800	59.3	204.5	54,000	85
87	51.4	196.7	48,000	55.4	200.8	51,000	58.2	203.2	53,100	87
90	49.6	194.3	46,900	53.6	198.7	49,800	56.5	201.3	51,900	90
95	46.4	189.7	45,000	50.6	194.9	47,900	53.6	197.8	49,900	95
100	43.0	184.7	43,300	47.4	190.5	46,000	50.5	193.9	48,000	100
104	40.1	180.1	42,000	44.8	186.6	44,500	48.0	190.4	46,500	104
105	39.4	179.0	41,700	44.1	185.6	44,200	47.4	189.6	46,100	105
110	35.4	172.4	40,200	40.6	180.2	42,600	44.0	184.7	44,300	110
115	31.1	164.8	38,200	36.7	173.9	41,000	40.5	179.2	41,900	115
120	26.1	155.6	35,900	32.5	166.7	39,100	36.7	172.9	39,700	120
125	20.0	143.9	33,700	27.8	158.1	36,700	32.5	165.7	37,700	125
130	11.1	125.9	28,300	22.1	147.3	34,500	27.7	157.0	35,900	130
132	3.5	110.2	24,100	19.1	141.3	33,600	25.4	152.7	35,200	132
135				14.5	132.2	32,400	22.0	146.2	34,100	135
138				6.7	116.2	27,600	17.4	137.1	33,100	138
140							14.3	131.0	32,400	140
143							6.3	114.5	28,800	143
145										145
150										150
151										151
155										155
159										159
160										160
165										165
167										167

MLC200 S-3

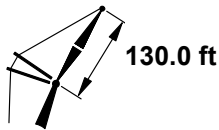
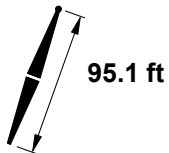
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44										44
45										45
50										50
55										55
58										58
60										60
65										65
69										69
70										70
75										75
80										80
85										85
87	62.6	205.8	56,100							87
90	61.0	204.2	54,200							90
95	58.2	201.3	50,700							95
100	55.4	198.0	47,600							100
104	53.0	195.1	45,300	57.6	197.9	43,200				104
105	52.4	194.4	44,800	57.0	197.3	42,700				105
110	49.3	190.3	42,200	54.1	193.8	40,300				110
115	46.1	185.8	40,000	51.1	190.0	38,100				115
120	42.7	180.7	37,900	48.0	185.7	36,100	52.7	188.7	34,300	120
125	39.0	174.9	36,000	44.7	181.0	34,300	49.6	184.7	32,600	125
130	35.1	168.3	34,200	41.2	175.6	32,600	46.4	180.2	31,000	130
132	33.3	165.2	33,600	39.7	173.1	32,000	45.0	178.1	30,400	132
135	30.7	160.5	32,600	37.4	169.5	31,000	43.0	175.1	29,500	135
138	27.6	154.9	31,700	34.9	165.2	30,200	40.8	171.7	28,700	138
140	25.6	151.2	31,100	33.3	162.4	29,600	39.4	169.4	28,100	140
143	21.9	143.9	30,200	30.5	157.4	28,800	37.0	165.5	27,400	143
145	19.4	139.1	29,700	28.6	154.1	28,300	35.5	162.9	26,900	145
150	9.9	120.0	28,300	23.1	143.8	27,000	31.1	155.2	25,700	150
151	6.6	113.1	28,000	21.7	140.9	26,800	30.1	153.4	25,400	151
155				16.0	129.7	25,800	26.1	146.1	24,600	155
159				6.0	109.1	24,900	21.2	136.7	23,700	159
160							20.0	134.3	23,500	160
165							11.1	116.4	22,500	165
167							3.7	100.9	22,000	167

MLC200 S-3

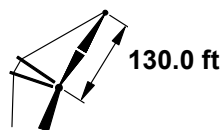
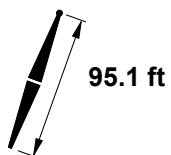
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	74.9	228.4	51,600 b						46	
50	73.1	227.3	50,700						50	
55	70.8	225.6	49,700						55	
60	68.4	223.8	48,700						60	
62	67.5	222.9	48,300	70.6	224.8	49,800			62	
65	66.1	221.7	47,800	69.2	223.7	49,300			65	
70	63.6	219.3	46,900	66.8	221.6	48,400			70	
73	62.1	217.7	46,000	65.4	220.3	47,900	67.7	221.6	48,600	
75	61.1	216.7	45,400	64.4	219.4	47,600	66.8	220.7	48,300	
80	58.6	213.8	43,700	61.9	216.8	46,200	64.4	218.5	47,600	
85	56.0	210.6	41,900	59.4	214.0	44,500	61.9	215.9	46,200	
90	53.3	207.0	40,300	56.8	210.9	42,700	59.4	213.1	44,500	
91	52.7	206.2	40,000	56.3	210.2	42,400	58.8	212.5	44,100	
95	50.5	203.1	38,800	54.1	207.5	41,100	56.8	210.0	42,700	
100	47.5	198.8	37,300	51.4	203.7	39,500	54.1	206.6	41,100	
105	44.5	193.9	35,900	48.5	199.5	38,000	51.3	202.7	39,600	
109	41.9	189.6	34,800	46.1	195.7	36,800	49.0	199.4	38,300	
110	41.2	188.5	34,500	45.5	194.8	36,600	48.4	198.5	38,000	
115	37.8	182.5	33,300	42.3	189.6	35,100	45.4	193.9	36,600	
120	34.0	175.6	32,100	38.9	183.8	33,900	42.2	188.6	35,200	
125	29.8	167.5	31,100	35.2	177.1	32,700	38.8	182.8	34,000	
126	28.9	165.6	30,900	34.4	175.6	32,500	38.1	181.5	33,800	
130	25.1	157.9	30,200	31.2	169.5	31,600	35.2	176.2	32,800	
135	19.2	145.6	29,300	26.7	160.5	30,600	31.1	168.5	31,700	
140	10.6	126.8	25,500	21.2	149.2	29,800	26.6	159.4	30,700	
142	3.4	110.5	21,700	18.3	142.9	29,500	24.4	154.9	30,400	
145				13.9	133.4	29,100	21.1	148.1	29,800	
148				6.5	116.8	24,900	16.7	138.6	29,400	
150							13.8	132.2	29,100	
153							6.1	115.1	26,100	
155									155	
160									160	
161									161	
165									165	
169									169	
170									170	
175									175	
177									177	

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ASME B30.5



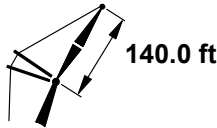
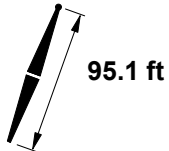
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46										46
50										50
55										55
60										60
62										62
65										65
70										70
73										73
75										75
80										80
85										85
90										90
91	62.9	215.0	46,600							91
95	60.9	212.9	45,300							95
100	58.4	210.0	43,600							100
105	55.7	206.7	42,000							105
109	53.6	203.8	40,800	57.8	206.6	40,500				109
110	53.0	203.1	40,500	57.2	205.9	40,000				110
115	50.2	199.2	38,900	54.6	202.5	37,900				115
120	47.3	194.8	37,500	51.8	198.8	35,900				120
125	44.2	189.9	35,800	49.0	194.7	34,000				125
126	43.5	188.8	35,400	48.4	193.7	33,700	52.7	196.7	32,000	126
130	40.9	184.5	34,000	46.0	190.1	32,400	50.5	193.5	30,800	130
135	37.5	178.3	32,400	42.8	185.0	30,800	47.5	189.2	29,300	135
140	33.7	171.3	30,900	39.5	179.3	29,400	44.5	184.3	27,900	140
142	32.0	168.1	30,400	38.0	176.7	28,900	43.2	182.2	27,400	142
145	29.5	163.2	29,500	35.9	172.8	28,100	41.2	178.9	26,700	145
148	26.5	157.3	28,800	33.5	168.3	27,300	39.2	175.3	25,900	148
150	24.6	153.4	28,200	31.9	165.3	26,800	37.8	172.9	25,500	150
153	21.0	145.8	27,500	29.3	160.1	26,100	35.5	168.7	24,800	153
155	18.6	140.8	27,000	27.5	156.6	25,700	34.0	166.0	24,400	155
160	9.5	120.8	25,800	22.2	145.8	24,600	29.9	158.0	23,300	160
161	6.3	113.7	25,600	20.9	142.8	24,400	28.9	156.0	23,100	161
165				15.4	131.1	23,600	25.1	148.3	22,400	165
169				5.8	109.6	22,700	20.4	138.5	21,600	169
170							19.2	136.0	21,400	170
175							10.7	117.3	20,500	175
177							3.5	101.3	20,100	177

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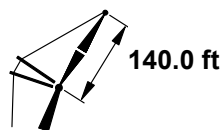
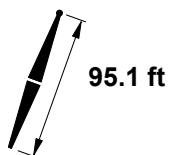
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	74.8	238.0	47,700							49
50	74.4	237.7	47,500							50
55	72.2	236.2	46,600							55
60	70.1	234.5	45,700							60
65	67.9	232.5	44,900	70.7	234.3	46,100				65
70	65.6	230.4	43,500	68.6	232.4	45,400				70
75	63.4	228.0	41,600	66.3	230.4	44,200				75
77	62.4	226.9	41,000	65.4	229.4	43,500	67.6	230.8	44,900	77
80	61.1	225.4	40,000	64.1	228.1	42,400	66.3	229.5	44,000	80
85	58.7	222.5	38,300	61.8	225.5	40,700	64.1	227.2	42,300	85
90	56.3	219.3	36,700	59.4	222.7	39,000	61.8	224.6	40,600	90
95	53.8	215.8	35,200	57.0	219.6	37,400	59.4	221.8	39,000	95
96	53.2	215.0	34,900	56.5	218.9	37,100	58.9	221.2	38,700	96
100	51.2	211.9	33,800	54.6	216.2	35,900	57.0	218.7	37,400	100
105	48.5	207.7	32,300	52.0	212.5	34,400	54.5	215.3	35,900	105
110	45.7	203.1	31,000	49.4	208.4	33,000	52.0	211.5	34,400	110
114	43.4	199.0	30,000	47.2	204.8	31,900	49.8	208.3	33,300	114
115	42.8	197.9	29,800	46.6	203.9	31,700	49.3	207.4	33,100	115
120	39.7	192.2	28,600	43.7	198.9	30,400	46.6	202.9	31,700	120
125	36.3	185.8	27,400	40.7	193.4	29,100	43.7	198.0	30,500	125
130	32.7	178.6	26,400	37.4	187.2	28,000	40.6	192.4	29,200	130
132	31.1	175.2	26,000	36.0	184.4	27,600	39.3	190.0	28,700	132
135	28.7	170.1	25,500	33.9	180.3	26,900	37.4	186.3	28,100	135
140	24.1	160.1	24,600	30.1	172.3	25,900	33.9	179.3	27,000	140
145	18.5	147.3	23,800	25.7	162.8	25,000	30.0	171.2	26,000	145
150	10.2	127.7	22,700	20.5	151.1	24,200	25.6	161.8	25,100	150
152	3.2	110.8	19,400	17.6	144.5	23,900	23.5	157.0	24,700	152
155				13.4	134.6	23,600	20.4	150.0	24,200	155
158				6.2	117.3	22,300	16.1	140.0	23,900	158
160							13.3	133.4	23,600	160
163							5.9	115.6	23,400	163
165										165
170										170
171										171
175										175
179										179
180										180
185										185
187										187

MLC200 S-3

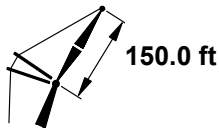
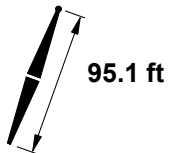
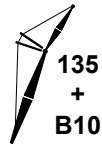
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49										49
50										50
55										55
60										60
65										65
70										70
75										75
77										77
80										80
85										85
90										90
95										95
96	62.7	223.7	41,000							96
100	60.9	221.6	39,800							100
105	58.5	218.6	38,200							105
110	56.0	215.4	36,800							110
114	54.0	212.6	35,600	57.9	215.2	37,500				114
115	53.5	211.9	35,300	57.4	214.6	37,300				115
120	51.0	208.0	33,900	55.0	211.3	35,500				120
125	48.3	203.8	32,600	52.4	207.6	33,700				125
130	45.5	199.1	31,300	49.8	203.6	32,000				130
132	44.3	197.0	30,800	48.7	201.8	31,400	52.7	204.7	29,800	132
135	42.5	193.9	30,000	47.1	199.1	30,500	51.2	202.3	28,900	135
140	39.4	188.1	28,800	44.2	194.2	29,100	48.5	198.1	27,600	140
145	36.0	181.7	27,700	41.2	188.8	27,800	45.7	193.5	26,300	145
150	32.4	174.3	26,700	38.0	182.8	26,500	42.8	188.3	25,100	150
152	30.8	170.9	26,300	36.6	180.0	26,100	41.5	186.1	24,700	152
155	28.4	165.8	25,700	34.5	176.0	25,400	39.7	182.6	24,000	155
158	25.6	159.6	25,200	32.2	171.3	24,700	37.7	178.8	23,400	158
160	23.7	155.5	24,800	30.7	168.1	24,300	36.4	176.2	23,000	160
163	20.2	147.6	24,400	28.2	162.6	23,700	34.2	171.9	22,400	163
165	17.9	142.4	24,100	26.5	159.0	23,300	32.7	169.0	21,900	165
170	9.2	121.6	23,500	21.4	147.7	22,300	28.7	160.6	21,200	170
171	6.1	114.2	23,300	20.1	144.6	22,200	27.8	158.6	21,000	171
175				14.8	132.4	21,400	24.1	150.5	20,300	175
179				5.5	110.1	20,700	19.6	140.3	19,600	179
180							18.5	137.7	19,500	180
185							10.3	118.2	18,700	185
187							3.4	101.6	18,300	187

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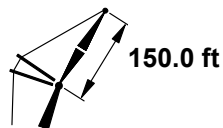
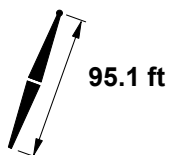
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	74.6	247.5	44,200							52
55	73.4	246.6	43,700							55
60	71.4	245.1	42,800							60
65	69.4	243.3	41,800							65
68	68.2	242.1	40,800	70.9	243.8	42,700				68
70	67.4	241.3	40,100	70.1	243.1	42,300				70
75	65.3	239.1	38,400	68.0	241.2	40,700				75
80	63.1	236.7	36,800	65.9	239.1	39,000	68.0	240.3	40,600	80
85	61.0	234.0	35,200	63.8	236.7	37,400	65.9	238.2	38,900	85
90	58.8	231.1	33,700	61.7	234.2	35,900	63.8	235.8	37,400	90
95	56.5	228.0	32,200	59.5	231.4	34,300	61.6	233.3	35,800	95
100	54.2	224.5	30,900	57.2	228.3	32,800	59.4	230.4	34,300	100
105	51.8	220.7	29,500	54.9	224.9	31,400	57.2	227.4	32,800	105
110	49.3	216.6	28,200	52.6	221.2	30,000	54.9	224.0	31,500	110
115	46.8	212.1	27,000	50.1	217.2	28,800	52.5	220.3	30,100	115
120	44.1	207.2	25,800	47.6	212.9	27,500	50.1	216.3	28,800	120
125	41.3	201.8	24,700	44.9	208.1	26,300	47.5	211.9	27,500	125
130	38.3	195.8	23,600	42.2	202.8	25,100	44.9	207.1	26,300	130
135	35.1	189.0	22,600	39.2	197.0	24,100	42.1	201.9	25,200	135
138	33.0	184.5	22,100	37.4	193.1	23,500	40.4	198.4	24,600	138
140	31.6	181.4	21,700	36.1	190.5	23,000	39.2	196.1	24,200	140
145	27.7	172.7	20,800	32.7	183.2	22,100	36.1	189.6	23,100	145
150	23.3	162.2	20,000	29.0	174.9	21,200	32.7	182.3	22,100	150
155	17.9	148.9	19,300	24.8	165.0	20,400	28.9	173.9	21,300	155
160	9.9	128.6	18,800	19.8	152.8	19,600	24.7	164.0	20,400	160
162	3.1	111.1	17,500	17.0	146.0	19,400	22.7	159.1	20,100	162
165				13.0	135.8	19,000	19.7	151.7	19,600	165
168				6.0	117.9	18,800	15.5	141.4	19,300	168
170							12.8	134.5	19,100	170
173							5.7	116.1	18,900	173
175										175
180										180
181										181
185										185
189										189
190										190
195										195
197										197

MLC200 S-3

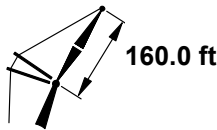
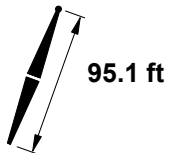
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52										52
55										55
60										60
65										65
68										68
70										70
75										75
80										80
85										85
90										90
95										95
100	63.0	232.9	36,500							100
105	60.8	230.2	35,000							105
110	58.6	227.3	33,700							110
115	56.3	224.1	32,200							115
120	54.0	220.6	30,900	57.6	223.3	32,700				120
125	51.6	216.8	29,600	55.3	220.0	31,400				125
130	49.1	212.7	28,400	53.0	216.3	30,200				130
135	46.5	208.1	27,100	50.5	212.4	28,900				135
138	44.9	205.2	26,400	49.0	209.8	28,200	52.8	212.7	28,000	138
140	43.8	203.2	26,000	48.0	208.1	27,700	51.8	211.1	27,500	140
145	41.0	197.7	24,800	45.4	203.4	26,600	49.3	207.0	26,200	145
150	38.0	191.6	23,800	42.6	198.2	25,500	46.8	202.5	25,100	150
155	34.8	184.9	22,800	39.7	192.5	24,400	44.1	197.6	24,000	155
160	31.3	177.2	21,900	36.7	186.1	23,400	41.3	192.2	23,000	160
162	29.7	173.6	21,500	35.3	183.3	23,000	40.1	189.8	22,600	162
165	27.4	168.3	21,000	33.3	179.0	22,400	38.3	186.2	22,000	165
168	24.7	161.9	20,500	31.1	174.1	21,900	36.4	182.1	21,500	168
170	22.9	157.6	20,200	29.7	170.8	21,500	35.1	179.5	21,100	170
173	19.5	149.4	19,800	27.2	165.1	21,000	33.0	174.9	20,600	173
175	17.3	143.9	19,500	25.5	161.3	20,700	31.6	171.9	20,300	175
180	8.9	122.4	19,000	20.7	149.5	20,000	27.8	163.1	19,400	180
181	5.9	114.7	19,000	19.4	146.4	19,800	26.9	161.0	19,300	181
185				14.3	133.7	19,300	23.3	152.6	18,700	185
189				5.4	110.6	19,000	19.0	142.0	18,100	189
190							17.9	139.3	18,000	190
195							9.9	119.1	17,200	195
197							3.3	101.8	16,900	197

MLC200 S-3

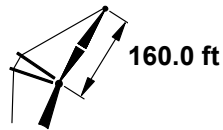
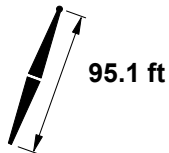
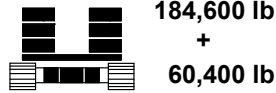
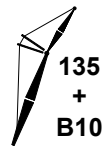
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	74.9	257.3	40,800							54
55	74.5	257.0	40,600							55
60	72.6	255.6	39,800							60
65	70.7	253.9	38,300							65
70	68.8	252.1	36,700							70
71	68.4	251.7	36,300	71.0	253.4	38,500				71
75	66.9	250.0	35,100	69.5	251.9	37,200				75
80	64.9	247.8	33,500	67.5	250.0	35,600				80
84	63.3	245.8	32,300	66.0	248.2	34,400	67.9	249.5	35,800	84
85	62.9	245.4	32,000	65.6	247.8	34,100	67.5	249.1	35,500	85
90	60.9	242.7	30,600	63.6	245.4	32,600	65.5	246.9	34,000	90
95	58.9	239.8	29,100	61.6	242.8	31,100	63.6	244.5	32,500	95
100	56.7	236.6	27,700	59.5	240.0	29,700	61.5	241.9	31,100	100
105	54.6	233.2	26,400	57.4	236.9	28,300	59.5	239.1	29,700	105
110	52.3	229.5	25,100	55.3	233.6	26,900	57.4	236.0	28,300	110
115	50.0	225.5	24,000	53.1	230.0	25,700	55.2	232.7	27,000	115
120	47.7	221.1	22,800	50.8	226.1	24,500	53.0	229.1	25,700	120
125	45.2	216.4	21,700	48.4	221.8	23,300	50.7	225.2	24,500	125
130	42.6	211.2	20,700	46.0	217.2	22,200	48.4	220.9	23,300	130
135	39.9	205.5	19,700	43.4	212.1	21,100	45.9	216.3	22,200	135
140	37.0	199.2	18,800	40.8	206.6	20,100	43.4	211.2	21,200	140
144	34.5	193.5	18,000	38.5	201.7	19,300	41.3	206.8	20,300	144
145	33.9	192.1	17,900	38.0	200.5	19,100	40.7	205.7	20,100	145
150	30.6	184.2	17,000	34.9	193.7	18,200	37.9	199.6	19,200	150
155	26.8	175.1	16,200	31.7	186.1	17,400	34.9	192.8	18,300	155
160	22.5	164.2	15,600	28.1	177.4	16,500	31.6	185.1	17,400	160
165	17.3	150.4	14,700	24.0	167.2	15,900	28.0	176.4	16,600	165
170	9.6	129.5	13,900	19.1	154.5	15,100	23.9	166.1	15,900	170
172	3.0	111.3	13,700	16.5	147.5	14,700	22.0	161.0	15,600	172
175				12.6	136.9	14,200	19.0	153.4	15,100	175
178				5.8	118.4	13,700	15.0	142.8	14,600	178
180							12.4	135.6	14,200	180
183							5.5	116.6	13,700	183
185										185
190										190
191										191
195										195
199										199
200										200
205										205
207										207

MLC200 S-3

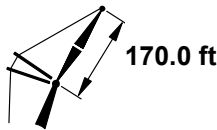
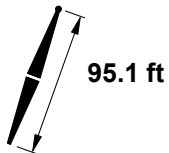
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54										54
55										55
60										60
65										65
70										70
71										71
75										75
80										80
84										84
85										85
90										90
95										95
100										100
105	62.8	241.6	31,700							105
110	60.7	238.9	30,400							110
115	58.7	236.0	29,000							115
120	56.6	232.8	27,700							120
125	54.4	229.3	26,500	57.8	231.9	28,200				125
130	52.1	225.6	25,300	55.6	228.7	27,000				130
135	49.8	221.6	24,100	53.4	225.1	25,800				135
140	47.5	217.2	22,900	51.2	221.2	24,700				140
144	45.5	213.3	22,100	49.3	217.9	23,700	52.8	220.7	25,200	144
145	45.0	212.4	21,900	48.8	217.0	23,500	52.3	219.9	25,000	145
150	42.4	207.1	20,800	46.4	212.5	22,400	50.0	215.9	23,900	150
155	39.6	201.4	19,800	43.9	207.5	21,400	47.7	211.5	22,900	155
160	36.8	195.0	18,900	41.2	202.0	20,400	45.2	206.8	21,800	160
165	33.6	187.9	18,000	38.4	196.0	19,400	42.6	201.6	20,800	165
170	30.3	179.9	17,200	35.5	189.4	18,500	39.9	195.9	19,800	170
172	28.8	176.2	16,800	34.2	186.4	18,100	38.7	193.4	19,500	172
175	26.5	170.7	16,300	32.2	181.9	17,600	37.0	189.6	18,900	175
178	23.9	164.0	15,900	30.1	176.8	17,100	35.2	185.4	18,400	178
180	22.1	159.6	15,700	28.7	173.4	16,800	33.9	182.6	18,100	180
183	18.9	151.1	15,100	26.3	167.5	16,300	31.9	177.8	17,600	183
185	16.8	145.4	14,800	24.7	163.5	16,000	30.6	174.6	17,300	185
190	8.6	123.2	13,900	20.0	151.3	15,400	26.9	165.5	16,500	190
191	5.7	115.2	13,800	18.8	148.1	15,200	26.0	163.3	16,300	191
195				13.9	134.9	14,500	22.6	154.6	15,700	195
199				5.2	111.1	13,800	18.4	143.6	15,100	199
200							17.3	140.9	15,000	200
205							9.6	120.0	14,100	205
207							3.2	102.1	13,800	207

MLC200 S-3

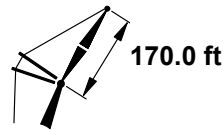
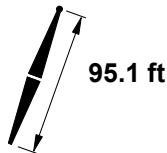
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
57	74.7	266.9	37,600						57	
60	73.7	266.0	36,900						60	
65	71.9	264.5	35,400						65	
70	70.1	262.7	33,800						70	
75	68.3	260.9	32,300	70.7	262.6	34,300			75	
80	66.5	258.8	30,800	68.9	260.7	32,800			80	
85	64.7	256.5	29,400	67.1	258.7	31,300			85	
88	63.5	255.0	28,600	66.0	257.4	30,400	67.8	258.7	31,800	
90	62.8	254.0	28,000	65.3	256.5	29,900	67.1	257.8	31,200	
95	60.9	251.4	26,600	63.4	254.1	28,500	65.2	255.6	29,800	
100	58.9	248.5	25,300	61.5	251.5	27,100	63.3	253.2	28,400	
105	56.9	245.3	24,100	59.5	248.7	25,800	61.4	250.6	27,100	
109	55.3	242.6	23,100	58.0	246.2	24,800	59.9	248.3	26,100	
110	54.9	241.9	22,900	57.6	245.6	24,500	59.5	247.8	25,800	
115	52.8	238.3	21,700	55.6	242.3	23,400	57.5	244.7	24,600	
120	50.7	234.3	20,600	53.5	238.7	22,100	55.5	241.4	23,300	
125	48.4	230.1	19,500	51.4	234.9	21,000	53.4	237.8	22,200	
130	46.2	225.5	18,500	49.2	230.7	20,000	51.3	234.0	21,000	
135	43.8	220.5	17,500	46.9	226.2	18,900	49.1	229.8	20,000	
140	41.3	215.0	16,600	44.5	221.4	18,000	46.9	225.3	18,900	
145	38.6	209.0	15,700	42.1	216.1	17,000	44.5	220.4	18,000	
150	35.9	202.5	15,000	39.5	210.3	16,200	42.0	215.1	17,100	
155	32.9	195.1	14,200	36.8	203.9	15,300	39.5	209.3	16,200	
160	29.6	186.9	13,300	33.9	196.8	14,500	36.7	202.9	15,300	
165	26.0	177.4	12,500	30.7	188.9	13,700	33.8	195.9	14,500	
170	21.9	166.2	11,500	27.2	179.9	12,800	30.6	187.9	13,700	
175	16.8	151.9	10,700	23.3	169.3	11,800	27.2	178.9	12,800	
180	9.3	130.3	10,000	18.5	156.2	11,000	23.2	168.2	11,900	
182	2.9	111.6	9,800	16.0	148.9	10,700	21.3	163.0	11,500	
185				12.2	138.0	10,200	18.5	155.1	11,000	
188				5.7	118.9	9,800	14.6	144.1	10,500	
190							12.0	136.7	10,200	
193							5.3	117.1	9,800	
195									195	
200									200	
201									201	
205									205	
209									209	
210									210	
215									215	
217									217	

MLC200 S-3

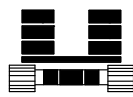
ASME B30.5



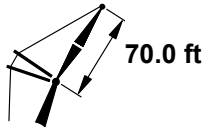
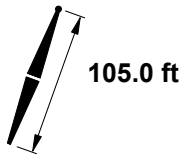
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
57										57
60										60
65										65
70										70
75										75
80										80
85										85
88										88
90										90
95										95
100										100
105										105
109	63.0	250.7	28,000							109
110	62.6	250.2	27,700							110
115	60.7	247.5	26,400							115
120	58.8	244.6	25,200							120
125	56.8	241.5	24,000							125
130	54.7	238.1	22,900	57.9	240.6	24,500				130
135	52.6	234.4	21,700	55.9	237.4	23,400				135
140	50.5	230.4	20,600	53.8	233.8	22,200				140
145	48.3	226.1	19,600	51.7	230.0	21,200				145
150	46.0	221.5	18,600	49.5	225.9	20,200	52.8	228.7	21,600	150
155	43.6	216.4	17,700	47.3	221.5	19,100	50.7	224.7	20,500	155
160	41.1	210.9	16,700	44.9	216.7	18,200	48.5	220.5	19,500	160
165	38.4	204.9	15,900	42.5	211.4	17,200	46.2	215.9	18,600	165
170	35.6	198.3	15,100	39.9	205.7	16,300	43.8	210.9	17,700	170
175	32.6	190.9	14,300	37.2	199.5	15,500	41.3	205.4	16,800	175
180	29.3	182.6	13,400	34.4	192.5	14,700	38.7	199.4	15,900	180
182	27.9	178.7	13,000	33.1	189.4	14,400	37.5	196.8	15,600	182
185	25.7	173.0	12,400	31.2	184.8	14,000	35.9	192.9	15,100	185
188	23.2	166.1	11,900	29.2	179.5	13,400	34.1	188.5	14,600	188
190	21.5	161.5	11,600	27.8	176.0	13,100	32.9	185.6	14,300	190
193	18.3	152.7	11,100	25.5	169.8	12,500	30.9	180.6	13,800	193
195	16.3	146.9	10,700	24.0	165.7	12,100	29.6	177.3	13,500	195
200	8.3	123.9	10,000	19.4	153.1	11,300	26.0	167.9	12,600	200
201	5.6	115.7	9,900	18.2	149.7	11,100	25.2	165.6	12,400	201
205				13.4	136.1	10,500	21.9	156.6	11,700	205
209				5.0	111.5	9,900	17.8	145.2	11,000	209
210							16.8	142.4	10,900	210
215							9.3	120.8	10,100	215
217							3.1	102.4	9,900	217

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ASME B30.5



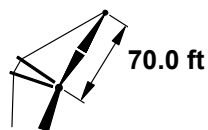
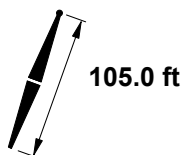
184,600 lb
+
60,400 lb














	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	74.9	180.3	107,400 d							31
35	71.5	179.1	107,400 c							35
40	67.1	177.2	107,400 c							40
43	64.4	175.8	105,000 c	70.8	178.0	109,000 c				43
45	62.6	174.8	103,300 b	69.1	177.3	109,000 c				45
50	57.8	172.0	98,700 b	64.7	175.2	106,400 b				50
52	55.8	170.6	97,100 b	62.8	174.1	104,100 b	67.7	175.7	109,300 c	52
55	52.9	168.5	94,700	60.0	172.5	100,700 b	65.0	174.4	104,400 b	55
60	47.5	164.3	89,000	55.2	169.4	93,500	60.4	171.8	94,300 b	60
65	41.7	159.3	83,000	50.0	165.5	87,100	55.6	168.7	85,400	65
67	39.1	156.7	79,800	47.8	163.7	84,200	53.5	167.2	82,400	67
70	35.1	153.0	74,900	44.4	160.9	80,000	50.5	165.0	77,900	70
75	27.2	144.7	68,300	38.3	155.2	73,400	44.9	160.4	71,500	75
80	16.1	132.1	56,000	31.0	148.0	67,800	38.8	154.8	66,100	80
81	12.2	127.5	52,400	29.2	146.0	66,800	37.4	153.4	65,100	81
82	8.3	122.8	48,800	27.4	144.0	65,900	36.0	152.0	64,200	82
85				21.8	137.9	62,900	31.7	147.8	61,300	85
90				1.5	113.8	46,300	22.8	138.0	57,100	90
94							9.7	122.7	53,000	94
95							6.5	118.8	52,000	95
100										100
104										104
105										105
110										110
113										113
115										115
120										120
121										121

MLC200 S-3

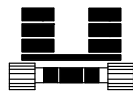
ASME B30.5



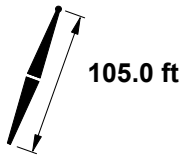
	 75°		 70°		 65°					
	 ft	 ft	 lb	 ft	 lb	 ft	 lb	 ft		
31								31		
35								35		
40								40		
43								43		
45								45		
50								50		
52								52		
55								55		
60								60		
65								65		
67	62.2	170.7	78,600 b					67		
70	59.4	169.0	74,400 b					70		
75	54.5	165.8	68,400					75		
80	49.3	161.9	63,100					80		
81	48.2	160.9	62,200	57.1	164.7	59,300 b		81		
82	47.0	160.0	61,300	56.1	164.0	58,500 b		82		
85	43.6	157.1	58,600	53.2	161.9	55,900		85		
90	37.3	151.3	54,600	47.8	157.8	52,100		90		
94	31.4	145.2	51,800	43.2	153.7	49,400	52.5	157.7	47,100	94
95	29.9	143.7	51,100	42.1	152.7	48,700	51.5	156.9	46,400	95
100	20.3	133.1	47,900	35.5	146.5	45,700	46.0	152.6	43,600	100
104	5.7	115.7	45,400	29.3	140.0	43,600	41.2	148.3	41,500	104
105				27.7	138.4	43,000	40.0	147.2	41,000	105
110				16.9	126.2	40,500	33.2	140.5	38,700	110
113				1.4	107.5	39,000	28.1	135.0	37,400	113
115							24.7	131.4	36,500	115
120							11.5	116.1	34,500	120
121							6.2	109.7	34,100	121

MLC200 S-3

ASME B30.5



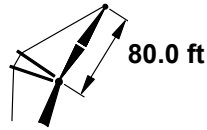
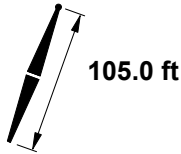
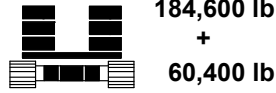
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	74.6	189.8	98,300 c							34
35	73.8	189.5	98,300 c							35
40	70.1	187.9	98,100 c							40
45	66.2	185.9	95,200 b							45
47	64.6	184.9	93,400 b	70.3	187.2	99,400 c				47
50	62.2	183.5	90,800 b	68.0	186.1	97,900 b				50
55	58.1	180.6	86,900	64.1	183.9	93,500 b				55
56	57.2	179.9	86,200	63.3	183.3	92,700 b	67.6	184.9	97,400 b	56
60	53.8	177.2	83,300	60.0	181.2	89,400	64.4	183.1	94,000 b	60
65	49.2	173.3	80,100	55.8	178.1	85,400	60.4	180.5	85,100	65
70	44.3	168.6	74,900	51.3	174.4	79,800	56.2	177.4	77,600	70
71	43.2	167.4	73,500	50.4	173.5	78,500	55.3	176.7	76,300	71
75	38.9	162.9	68,100	46.6	170.0	73,300	51.7	173.8	71,300	75
80	32.8	156.0	62,500	41.4	164.8	67,700	47.0	169.5	65,800	80
85	25.4	147.0	57,600	35.7	158.6	62,800	41.9	164.4	61,100	85
86	23.3	144.3	55,900	34.4	157.0	61,900	40.8	163.1	60,300	86
90	15.0	133.5	49,200	29.0	150.7	58,500	36.2	158.2	57,000	90
92	7.8	123.5	43,100	25.6	146.3	57,000	33.6	155.1	55,500	92
95				20.4	139.8	54,700	29.6	150.5	53,300	95
100				1.4	113.9	41,200	21.3	140.0	50,000	100
105							6.0	119.4	46,200	105
110										110
114										114
115										115
120										120
123										123
125										125
130										130
131										131

MLC200 S-3

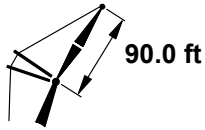
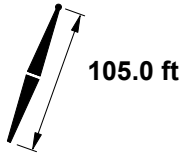
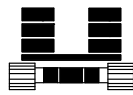
ASME B30.5



	75°		70°			65°				
ft	ft	ft	lb	ft	lb	ft	lb	ft		
34									34	
35									35	
40									40	
45									45	
47									47	
50									50	
55									55	
56									56	
60									60	
65									65	
70									70	
71	62.7	179.9	72,800 b						71	
75	59.5	177.7	68,000						75	
80	55.2	174.5	62,800						80	
85	50.7	170.7	58,300						85	
86	49.8	169.8	57,500	57.5	173.3	54,700			86	
90	45.9	166.3	54,400	54.0	170.6	51,800			90	
92	43.8	164.1	52,900	52.2	169.0	50,400			92	
95	40.7	161.0	50,800	49.5	166.7	48,400			95	
100	34.8	154.5	47,700	44.6	162.0	45,400	52.6	165.7	43,200	100
105	28.0	146.3	44,900	39.2	156.4	42,800	47.9	161.6	40,700	105
110	19.0	134.8	42,300	33.2	149.6	40,300	42.9	156.6	38,400	110
114	5.3	116.2	40,300	27.3	142.5	38,600	38.5	151.9	36,700	114
115				25.9	140.8	38,100	37.4	150.7	36,300	115
120				15.8	127.6	36,000	31.0	143.3	34,300	120
123				1.3	107.6	34,800	26.2	137.5	33,300	123
125							23.1	133.5	32,600	125
130							10.8	117.1	30,900	130
131							5.8	110.2	30,500	131

MLC200 S-3

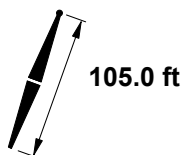
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	74.4	199.4	88,300 c							37
40	72.4	198.5	87,400 c							40
45	69.0	196.7	83,400 b							45
50	65.5	194.6	79,600 b	70.6	196.8	85,600 b				50
55	62.0	192.2	76,200	67.1	194.8	81,900 b				55
60	58.3	189.3	73,000	63.6	192.5	78,300	67.4	194.1	82,200 b	60
65	54.5	186.0	70,100	60.0	189.9	75,100	63.9	191.8	78,900	65
70	50.5	182.1	67,500	56.3	186.8	72,200	60.3	189.2	75,600	70
75	46.2	177.7	65,100	52.4	183.2	69,400	56.6	186.1	71,100	75
76	45.3	176.6	64,600	51.5	182.3	68,900	55.8	185.4	70,000	76
80	41.6	172.5	62,900	48.2	179.0	66,900	52.7	182.6	65,700	80
85	36.6	166.3	58,100	43.8	174.2	62,700	48.6	178.4	61,000	85
90	30.9	158.9	53,800	39.0	168.5	58,500	44.2	173.7	56,800	90
91	29.5	156.9	53,000	37.9	167.1	57,700	43.2	172.6	56,100	91
95	23.9	149.2	50,000	33.6	161.7	54,700	39.4	168.1	53,200	95
100	14.2	134.7	43,200	27.3	153.2	51,300	34.1	161.4	49,900	100
102	7.4	124.2	38,100	24.1	148.5	50,000	31.6	158.0	48,700	102
105				19.2	141.6	48,100	27.9	153.1	47,000	105
106				15.7	136.0	45,800	26.3	150.8	46,400	106
110				1.4	114.0	36,600	20.0	141.8	44,300	110
115							5.7	119.9	41,000	115
120										120
124										124
125										125
130										130
133										133
135										135
140										140
141										141

MLC200 S-3

ASME B30.5



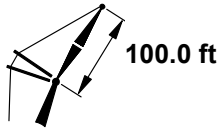
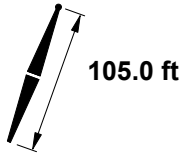
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37										37
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
76	62.4	188.6	66,700							76
80	59.5	186.4	62,600							80
85	55.8	183.2	58,100							85
90	51.8	179.5	54,200							90
91	51.0	178.7	53,500	57.8	182.0	50,900				91
95	47.6	175.3	50,700	54.7	179.3	48,200				95
100	43.2	170.4	47,600	50.7	175.5	45,300				100
102	41.2	168.0	46,500	49.0	173.8	44,200				102
105	38.3	164.5	44,800	46.5	171.1	42,600				105
106	37.2	163.1	44,300	45.6	170.1	42,100	52.7	173.7	40,000	106
110	32.8	157.5	42,200	41.9	166.0	40,200	49.4	170.5	38,200	110
115	26.3	148.7	39,900	36.9	159.9	38,000	45.0	165.9	36,100	115
120	17.9	136.4	37,800	31.2	152.5	36,000	40.4	160.4	34,200	120
124	5.0	116.7	36,200	25.7	144.9	34,500	36.2	155.3	32,800	124
125				24.4	143.0	34,200	35.1	154.0	32,400	125
130				14.9	129.0	32,400	29.2	146.0	30,800	130
133				1.2	107.7	31,300	24.7	139.7	29,900	133
135							21.8	135.5	29,300	135
140							10.1	118.0	27,900	140
141							5.5	110.7	27,600	141

MLC200 S-3

ASME B30.5



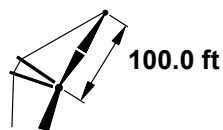
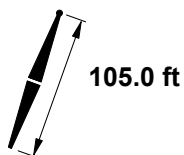
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39	74.8	209.2	80,700 c							39
40	74.2	208.9	80,500 c							40
45	71.2	207.3	78,000 b							45
50	68.1	205.5	74,400 b							50
53	66.2	204.2	72,400 b	70.8	206.3	77,800 b				53
55	65.0	203.3	71,100	69.5	205.6	76,400 b				55
60	61.8	200.8	67,900	66.4	203.6	73,000				60
63	59.8	199.1	66,100	64.5	202.2	71,100	67.9	203.7	74,600	63
65	58.5	198.0	65,000	63.3	201.2	69,900	66.7	202.8	73,200	65
70	55.1	194.7	62,300	60.0	198.5	66,800	63.5	200.5	70,200	70
75	51.5	190.9	59,800	56.7	195.4	64,100	60.3	197.8	67,300	75
80	47.7	186.7	57,500	53.2	191.9	61,500	56.9	194.8	64,600	80
85	43.7	181.8	55,300	49.5	187.9	59,100	53.5	191.3	60,700	85
90	39.4	176.2	53,300	45.6	183.3	56,800	49.8	187.3	56,600	90
95	34.7	169.6	49,700	41.4	178.1	54,500	45.9	182.8	52,900	95
97	32.5	166.3	48,300	39.6	175.6	53,100	44.3	180.7	51,600	97
100	29.2	161.5	46,300	36.9	171.9	51,100	41.8	177.6	49,700	100
105	22.7	151.3	43,300	31.8	164.6	47,800	37.3	171.6	46,800	105
110	13.4	135.9	38,500	25.9	155.5	44,700	32.3	164.4	44,100	110
112	7.0	124.8	34,100	22.8	150.6	43,600	29.9	160.8	43,200	112
115				18.2	143.2	41,900	26.4	155.5	41,700	115
120				1.3	114.2	32,900	19.0	143.5	39,500	120
125							5.4	120.4	36,800	125
130										130
134										134
135										135
140										140
143										143
145										145
150										150
151										151

MLC200 S-3

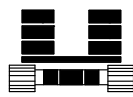
ASME B30.5



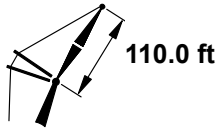
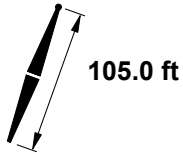
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39										39
40										40
45										45
50										50
53										53
55										55
60										60
63										63
65										65
70										70
75										75
80	62.8	197.8	62,300							80
85	59.6	195.0	57,800							85
90	56.2	191.9	53,800							90
95	52.7	188.3	50,400							95
97	51.2	186.7	49,100	57.3	190.0	46,600				97
100	49.0	184.2	47,300	55.3	188.0	44,900				100
105	45.0	179.6	44,500	51.7	184.3	42,200				105
110	40.8	174.2	42,000	48.0	180.1	39,800				110
112	39.0	171.7	41,100	46.4	178.2	39,000	52.7	181.7	36,900	112
115	36.2	167.9	39,700	44.0	175.3	37,700	50.5	179.3	35,700	115
120	31.1	160.4	37,600	39.7	169.7	35,700	46.7	174.9	33,800	120
125	25.0	151.0	35,700	34.9	163.1	33,900	42.6	169.9	32,100	125
130	17.0	138.0	33,900	29.6	155.2	32,200	38.2	164.0	30,500	130
134	4.8	117.1	32,500	24.4	147.1	31,000	34.3	158.4	29,300	134
135				23.1	145.1	30,700	33.3	157.1	29,000	135
140				14.1	130.2	29,200	27.6	148.6	27,700	140
143				1.1	107.8	28,200	23.4	141.8	26,900	143
145							20.6	137.4	26,400	145
150							9.6	118.9	25,100	150
151							5.2	111.2	24,900	151

MLC200 S-3

ASME B30.5



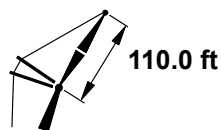
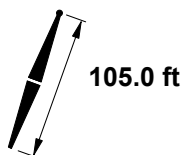
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42	74.6	218.7	73,800 b							42
45	73.0	217.9	72,300 b							45
50	70.2	216.2	69,600 b							50
55	67.4	214.3	66,900							55
56	66.8	213.8	66,400	70.9	215.9	70,500 b				56
60	64.6	212.0	64,400	68.7	214.4	68,400				60
65	61.6	209.5	62,000	65.9	212.3	66,000				65
67	60.4	208.3	61,100	64.7	211.3	65,000	67.8	212.8	67,500	67
70	58.6	206.6	59,800	63.0	209.9	63,600	66.1	211.5	66,100	70
75	55.5	203.4	57,600	60.0	207.2	61,300	63.2	209.2	63,800	75
80	52.3	199.7	55,300	57.0	204.1	59,000	60.3	206.5	61,600	80
85	48.9	195.6	53,300	53.8	200.7	56,800	57.2	203.5	59,400	85
90	45.4	191.0	51,400	50.5	196.8	54,600	54.1	200.0	56,500	90
95	41.6	185.7	49,500	47.0	192.4	52,600	50.8	196.2	52,900	95
100	37.5	179.7	47,200	43.4	187.4	50,800	47.3	191.9	49,700	100
102	35.7	176.8	45,900	41.8	185.2	49,700	45.9	189.9	48,500	102
105	33.0	172.6	44,000	39.4	181.8	48,100	43.7	186.9	46,800	105
110	27.9	164.1	41,100	35.1	175.2	45,400	39.8	181.3	44,100	110
115	21.6	153.2	38,500	30.3	167.4	42,500	35.5	174.8	41,800	115
118	16.3	143.5	35,600	26.9	161.6	40,900	32.6	170.2	40,400	118
120	12.8	137.1	33,700	24.7	157.8	39,800	30.7	167.2	39,600	120
122	6.6	125.4	29,600	21.7	152.6	38,700	28.5	163.4	38,800	122
125				17.4	144.8	37,200	25.2	157.8	37,600	125
130				1.2	114.3	28,500	18.1	145.1	35,700	130
135							5.2	120.8	32,300	135
140										140
144										144
145										145
150										150
153										153
155										155
160										160
161										161

MLC200 S-3

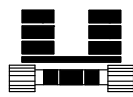
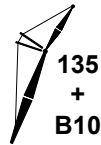
ASME B30.5



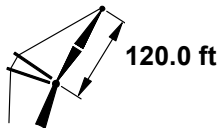
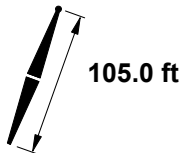
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42										42
45										45
50										50
55										55
56										56
60										60
65										65
67										67
70										70
75										75
80										80
85	62.6	206.4	57,700							85
90	59.6	203.7	53,800							90
95	56.5	200.6	50,300							95
100	53.4	197.1	47,200							100
102	52.0	195.5	46,100	57.6	198.7	43,800				102
105	50.0	193.1	44,500	55.7	196.7	42,200				105
110	46.5	188.6	42,000	52.5	193.1	39,800				110
115	42.8	183.6	39,700	49.1	189.0	37,700				115
118	40.5	180.1	38,500	47.0	186.3	36,500	52.7	189.7	34,500	118
120	38.9	177.8	37,600	45.6	184.4	35,700	51.4	188.2	33,800	120
122	37.1	175.1	36,900	44.1	182.3	35,000	50.1	186.5	33,100	122
125	34.5	171.1	35,700	41.8	179.2	33,900	48.0	183.9	32,100	125
130	29.6	163.1	34,000	37.8	173.2	32,200	44.4	179.1	30,500	130
135	23.8	153.2	32,400	33.3	166.2	30,700	40.5	173.7	29,100	135
140	16.2	139.4	30,800	28.2	157.8	29,300	36.4	167.4	27,700	140
144	4.5	117.5	29,600	23.2	149.2	28,200	32.6	161.4	26,700	144
145				22.0	147.1	27,900	31.7	160.0	26,500	145
150				13.5	131.5	26,700	26.3	150.9	25,300	150
153				1.1	107.9	25,900	22.3	143.9	24,600	153
155							19.7	139.2	24,200	155
160							9.2	119.7	23,100	160
161							4.9	111.6	22,800	161

MLC200 S-3

ASME B30.5



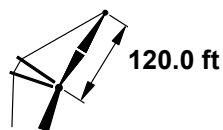
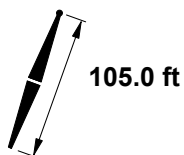
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	74.9	228.6	67,300 b							44
45	74.4	228.3	67,100 b							45
50	71.9	226.8	64,400 b							50
55	69.4	225.0	61,900							55
60	66.8	223.0	59,400	70.5	225.0	63,200				60
65	64.2	220.7	57,100	68.0	223.2	60,700				65
70	61.5	218.2	54,900	65.4	221.0	58,500				70
71	61.0	217.6	54,500	64.9	220.5	58,000	67.7	222.0	60,400	71
75	58.8	215.3	52,800	62.7	218.6	56,200	65.6	220.3	58,600	75
80	55.9	212.1	50,800	60.0	215.8	54,100	63.0	217.9	56,500	80
85	53.0	208.5	48,800	57.2	212.8	52,100	60.2	215.2	54,400	85
89	50.5	205.3	47,300	54.9	210.1	50,500	58.0	212.7	52,800	89
90	49.9	204.5	47,000	54.3	209.4	50,100	57.5	212.1	52,400	90
95	46.7	200.1	45,200	51.3	205.6	48,200	54.6	208.8	50,500	95
100	43.4	195.1	43,500	48.2	201.4	46,400	51.6	205.0	48,600	100
105	39.8	189.4	41,900	44.9	196.6	44,600	48.5	200.8	46,500	105
107	38.2	186.8	41,200	43.5	194.5	43,900	47.2	198.9	45,400	107
110	35.9	183.0	40,300	41.4	191.3	42,900	45.2	196.1	43,900	110
115	31.6	175.5	38,500	37.7	185.2	41,300	41.7	190.8	41,500	115
120	26.6	166.5	36,200	33.6	178.3	39,800	38.0	184.9	39,300	120
124	21.9	157.4	34,400	29.9	171.7	37,800	34.8	179.3	37,800	124
125	20.7	155.1	34,000	29.0	170.0	37,300	33.9	178.0	37,400	125
130	12.3	138.2	29,900	23.6	159.9	35,000	29.4	169.9	35,500	130
132	6.4	126.0	26,300	20.8	154.5	34,200	27.3	165.9	34,900	132
135				16.6	146.3	32,900	24.1	159.9	33,800	135
140				1.2	114.4	25,400	17.3	146.7	32,300	140
145							4.9	121.3	28,800	145
150										150
154										154
155										155
160										160
163										163
165										165
170										170
171										171

MLC200 S-3

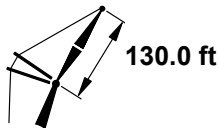
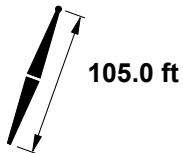
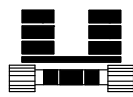
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44										44
45										45
50										50
55										55
60										60
65										65
70										70
71										71
75										75
80										80
85										85
89	62.9	215.6	54,200							89
90	62.4	215.1	53,400							90
95	59.6	212.3	50,000							95
100	56.8	209.2	46,900							100
105	53.9	205.8	44,100							105
107	52.7	204.3	43,100	57.8	207.4	40,900				107
110	50.9	201.9	41,600	56.1	205.4	39,500				110
115	47.8	197.6	39,400	53.1	201.9	37,300				115
120	44.5	192.8	37,300	50.1	197.9	35,400				120
124	41.6	188.5	35,800	47.5	194.4	33,900	52.8	197.7	32,000	124
125	40.9	187.4	35,400	46.9	193.5	33,600	52.2	197.0	31,700	125
130	37.1	181.3	33,700	43.5	188.5	31,900	49.1	192.9	30,200	130
132	35.5	178.4	33,100	42.1	186.3	31,300	47.8	191.0	29,600	132
135	33.0	174.1	32,100	40.0	182.9	30,400	45.8	188.3	28,700	135
140	28.3	165.7	30,600	36.1	176.5	29,000	42.4	183.1	27,400	140
145	22.8	155.2	29,200	31.8	169.1	27,700	38.7	177.3	26,100	145
150	15.5	140.8	27,900	26.9	160.2	26,400	34.8	170.6	25,000	150
154	4.3	117.9	26,900	22.2	151.2	25,500	31.2	164.3	24,100	154
155				21.1	149.0	25,300	30.3	162.7	23,900	155
160				12.9	132.6	24,200	25.2	153.2	22,900	160
163				1.0	108.0	23,500	21.4	145.8	22,300	163
165							18.8	140.9	21,900	165
170							8.8	120.5	20,900	170
171							4.7	112.0	20,700	171

MLC200 S-3

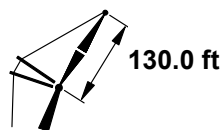
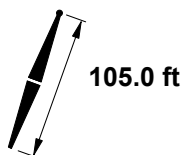
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	74.7	238.1	50,800 b							47
50	73.3	237.2	50,200							50
55	71.0	235.6	49,200							55
60	68.7	233.8	48,200							60
63	67.3	232.6	47,700	70.7	234.6	49,300				63
65	66.3	231.7	47,400	69.8	233.9	48,900				65
70	63.9	229.4	46,500	67.4	231.9	48,100				70
75	61.4	226.8	45,400	65.0	229.7	47,300	67.6	231.2	48,000	75
80	58.8	223.9	43,700	62.5	227.2	46,500	65.2	229.0	47,300	80
85	56.2	220.8	42,000	60.0	224.5	44,700	62.7	226.5	46,600	85
90	53.5	217.2	40,400	57.4	221.5	43,000	60.2	223.8	44,900	90
94	51.3	214.1	39,100	55.3	218.8	41,700	58.2	221.4	43,600	94
95	50.7	213.4	38,800	54.8	218.1	41,300	57.7	220.8	43,200	95
100	47.8	209.1	37,400	52.0	214.4	39,800	55.0	217.5	41,600	100
105	44.8	204.3	35,900	49.2	210.3	38,300	52.3	213.8	40,000	105
110	41.6	199.0	34,600	46.2	205.7	36,800	49.4	209.7	38,600	110
112	40.2	196.6	34,100	44.9	203.7	36,300	48.2	207.9	38,000	112
115	38.1	193.0	33,400	43.1	200.7	35,500	46.5	205.2	37,100	115
120	34.4	186.1	32,300	39.7	195.0	34,200	43.3	200.2	35,800	120
125	30.3	178.3	31,200	36.2	188.6	33,000	40.0	194.6	34,500	125
130	25.6	168.8	30,300	32.2	181.2	31,900	36.5	188.2	33,200	130
135	19.9	156.9	29,500	27.8	172.6	30,900	32.6	181.0	32,100	135
140	11.8	139.2	27,000	22.7	162.0	30,000	28.2	172.4	31,100	140
142	6.1	126.5	23,700	20.0	156.3	29,700	26.2	168.3	30,700	142
145				16.0	147.7	29,300	23.1	162.0	30,200	145
150				1.1	114.5	23,000	16.6	148.2	29,300	150
155							4.7	121.7	26,100	155
160										160
164										164
165										165
170										170
173										173
175										175
180										180
181										181

MLC200 S-3

ASME B30.5



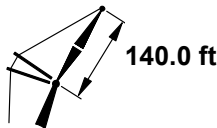
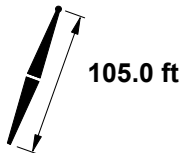
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47										47
50										50
55										55
60										60
63										63
65										65
70										70
75										75
80										80
85										85
90										90
94	62.7	224.3	46,000							94
95	62.2	223.8	45,900							95
100	59.7	221.0	44,300							100
105	57.1	217.9	42,700							105
110	54.4	214.5	41,100							110
112	53.3	213.0	40,300	58.0	216.0	38,300				112
115	51.7	210.8	39,200	56.4	214.1	37,100				115
120	48.8	206.6	37,100	53.7	210.6	35,100				120
125	45.8	202.0	35,200	50.9	206.7	33,300				125
130	42.6	196.8	33,500	48.0	202.5	31,700	52.8	205.7	29,900	130
135	39.3	191.1	31,900	45.0	197.7	30,200	50.0	201.7	28,500	135
140	35.6	184.5	30,500	41.8	192.4	28,800	47.0	197.3	27,100	140
142	34.0	181.5	29,900	40.4	190.0	28,300	45.8	195.3	26,600	142
145	31.7	177.0	29,100	38.3	186.5	27,500	44.0	192.4	25,900	145
150	27.2	168.2	27,800	34.6	179.7	26,300	40.7	186.9	24,800	150
155	21.9	157.2	26,600	30.5	171.9	25,100	37.2	180.7	23,700	155
160	14.9	142.1	25,500	25.9	162.6	24,100	33.4	173.6	22,700	160
164	4.2	118.2	24,500	21.4	153.2	23,300	30.0	167.0	21,900	164
165				20.2	150.8	23,100	29.1	165.4	21,700	165
170				12.4	133.7	22,100	24.2	155.4	20,800	170
173				1.0	108.1	21,500	20.5	147.7	20,300	173
175							18.1	142.5	20,000	175
180							8.4	121.2	19,100	180
181							4.5	112.4	18,900	181

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ASME B30.5



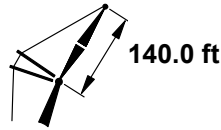
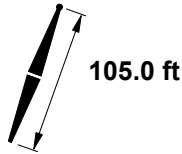
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
49	75.0	247.9	47,200 b						49	
50	74.6	247.6	47,000						50	
55	72.4	246.2	46,100						55	
60	70.3	244.5	45,300						60	
65	68.1	242.6	44,500						65	
66	67.6	242.1	44,200	70.8	244.1	45,600			66	
70	65.9	240.5	43,400	69.1	242.7	45,000			70	
75	63.6	238.1	41,700	66.9	240.7	44,300			75	
78	62.2	236.5	40,700	65.5	239.3	43,300	68.0	240.7	44,500	78
80	61.3	235.5	40,000	64.6	238.4	42,600	67.1	239.9	44,200	80
85	58.9	232.6	38,400	62.4	235.9	40,900	64.8	237.7	42,700	85
90	56.5	229.4	36,800	60.0	233.2	39,300	62.5	235.2	41,100	90
95	54.0	226.0	35,300	57.6	230.1	37,700	60.2	232.5	39,500	95
98	52.5	223.7	34,400	56.1	228.1	36,800	58.8	230.7	38,500	98
100	51.4	222.2	33,800	55.2	226.8	36,200	57.8	229.5	37,900	100
105	48.8	218.0	32,500	52.6	223.2	34,700	55.4	226.2	36,300	105
110	46.0	213.4	31,100	50.0	219.2	33,300	52.9	222.6	34,900	110
115	43.1	208.3	29,900	47.3	214.8	32,000	50.2	218.6	33,500	115
118	41.2	204.9	29,200	45.6	211.8	31,200	48.6	216.0	32,700	118
120	40.0	202.7	28,700	44.4	209.9	30,600	47.5	214.2	32,200	120
125	36.7	196.3	27,600	41.4	204.5	29,500	44.7	209.4	30,900	125
130	33.1	189.2	26,500	38.2	198.5	28,200	41.7	204.1	29,600	130
135	29.2	180.9	25,600	34.8	191.8	27,200	38.5	198.1	28,400	135
136	28.3	178.9	25,400	34.0	190.2	27,000	37.8	196.8	28,200	136
140	24.6	171.0	24,700	31.0	184.1	26,200	35.1	191.5	27,400	140
145	19.1	158.6	24,000	26.8	175.0	25,200	31.4	183.8	26,400	145
150	11.4	140.3	23,400	21.8	163.9	24,400	27.2	174.9	25,400	150
152	5.9	127.1	21,200	19.2	158.0	24,100	25.2	170.5	25,100	152
155				15.4	149.1	23,700	22.3	164.0	24,500	155
160				1.1	114.6	20,600	16.0	149.6	23,800	160
165							4.6	122.1	23,400	165
170										170
174										174
175										175
180										180
183										183
185										185
190										190
191										191

MLC200 S-3

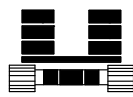
ASME B30.5



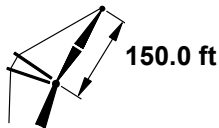
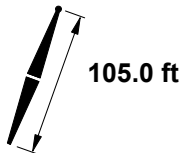
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49										49
50										50
55										55
60										60
65										65
66										66
70										70
75										75
78										78
80										80
85										85
90										90
95										95
98	63.0	233.5	40,900							98
100	62.0	232.4	40,400							100
105	59.7	229.7	38,900							105
110	57.3	226.6	37,400							110
115	54.8	223.2	35,900							115
118	53.3	221.0	35,100	57.6	224.1	35,500				118
120	52.3	219.5	34,600	56.6	222.8	34,800				120
125	49.6	215.5	33,200	54.2	219.3	33,000				125
130	46.9	211.0	31,900	51.6	215.6	31,300				130
135	44.0	206.1	30,600	48.9	211.4	29,800				135
136	43.4	205.0	30,400	48.4	210.5	29,600	52.8	213.7	27,800	136
140	41.0	200.7	29,400	46.2	206.8	28,400	50.7	210.6	26,800	140
145	37.8	194.6	28,300	43.2	201.8	27,200	48.1	206.3	25,500	145
150	34.3	187.7	27,300	40.2	196.2	25,900	45.2	201.6	24,400	150
152	32.8	184.5	26,900	38.9	193.6	25,500	44.0	199.5	24,000	152
155	30.5	179.8	26,300	36.9	189.9	24,800	42.3	196.3	23,300	155
160	26.2	170.5	25,200	33.3	182.8	23,800	39.1	190.5	22,300	160
165	21.1	159.1	24,200	29.4	174.6	22,800	35.8	184.0	21,400	165
170	14.3	143.4	23,200	24.9	164.8	21,800	32.1	176.6	20,500	170
174	4.0	118.6	22,400	20.6	155.0	21,100	28.8	169.7	19,900	174
175				19.5	152.6	21,000	28.0	167.9	19,700	175
180				11.9	134.8	20,100	23.3	157.5	18,900	180
183				1.0	108.2	19,500	19.8	149.4	18,400	183
185							17.4	144.0	18,100	185
190							8.1	122.0	17,400	190
191							4.4	112.8	17,200	191

MLC200 S-3

ASME B30.5



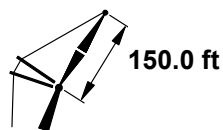
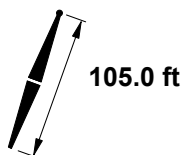
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
52	74.8	257.5	43,700						52	
55	73.6	256.6	43,200						55	
60	71.6	255.1	42,400						60	
65	69.6	253.3	41,600						65	
69	68.0	251.7	40,300	70.9	253.7	42,200			69	
70	67.6	251.3	40,000	70.5	253.3	42,100			70	
75	65.5	249.2	38,400	68.5	251.5	40,900			75	
80	63.4	246.8	36,800	66.4	249.4	39,200			80	
82	62.5	245.7	36,200	65.6	248.5	38,600	67.9	249.9	40,200	82
85	61.2	244.1	35,300	64.3	247.1	37,600	66.6	248.6	39,300	85
90	59.0	241.3	33,800	62.2	244.6	36,100	64.5	246.4	37,700	90
95	56.7	238.1	32,300	60.0	241.8	34,700	62.4	243.9	36,300	95
100	54.4	234.7	30,900	57.8	238.8	33,200	60.2	241.1	34,800	100
103	53.0	232.5	30,100	56.4	236.8	32,300	58.9	239.3	33,900	103
105	52.0	231.0	29,600	55.5	235.5	31,700	58.0	238.1	33,300	105
110	49.6	226.9	28,300	53.1	231.9	30,300	55.7	234.9	31,900	110
115	47.0	222.4	27,100	50.7	228.0	29,100	53.3	231.3	30,600	115
120	44.4	217.6	25,900	48.2	223.7	27,800	50.9	227.4	29,200	120
123	42.7	214.3	25,200	46.6	220.9	27,100	49.4	224.9	28,500	123
125	41.6	212.2	24,800	45.6	219.0	26,600	48.4	223.2	28,000	125
130	38.6	206.2	23,700	42.9	213.9	25,400	45.8	218.5	26,700	130
135	35.4	199.6	22,800	40.0	208.2	24,300	43.1	213.4	25,600	135
140	32.0	192.1	21,800	36.9	201.9	23,300	40.2	207.8	24,500	140
142	30.4	188.6	21,500	35.6	199.1	22,900	39.0	205.3	24,100	142
145	28.2	183.5	20,900	33.6	194.9	22,400	37.2	201.6	23,500	145
150	23.8	173.2	20,100	30.0	186.8	21,400	33.9	194.6	22,500	150
155	18.5	160.3	19,400	25.9	177.3	20,600	30.3	186.6	21,600	155
160	11.0	141.2	18,900	21.1	165.8	19,800	26.2	177.3	20,700	160
162	5.7	127.6	18,800	18.6	159.6	19,600	24.3	172.7	20,400	162
165				14.9	150.4	19,200	21.5	166.0	19,900	165
170				1.1	114.7	18,700	15.5	151.0	19,300	170
175							4.4	122.5	18,900	175
180										180
184										184
185										185
190										190
193										193
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200										200
201										201

MLC200 S-3

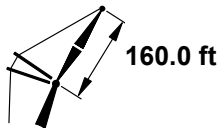
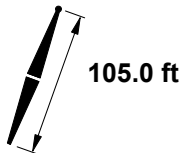
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
52										52
55										55
60										60
65										65
69										69
70										70
75										75
80										80
82										82
85										85
90										90
95										95
100										100
103	62.8	242.2	36,200							103
105	61.9	241.1	35,600							105
110	59.7	238.3	34,300							110
115	57.5	235.3	32,900							115
120	55.2	231.9	31,500							120
123	53.8	229.8	30,700	57.8	232.8	32,700				123
125	52.8	228.3	30,200	56.9	231.5	32,200				125
130	50.4	224.3	29,000	54.6	228.1	30,900				130
135	47.9	220.0	27,700	52.2	224.3	29,700				135
140	45.2	215.3	26,600	49.7	220.3	28,400				140
142	44.1	213.2	26,100	48.7	218.5	27,800	52.9	221.7	26,200	142
145	42.5	210.1	25,400	47.2	215.9	27,100	51.4	219.4	25,500	145
150	39.6	204.3	24,300	44.5	211.0	25,900	48.9	215.2	24,300	150
155	36.5	197.9	23,300	41.7	205.7	24,800	46.3	210.7	23,300	155
160	33.1	190.7	22,400	38.8	199.7	23,700	43.6	205.6	22,300	160
162	31.6	187.4	22,000	37.5	197.1	23,300	42.5	203.4	21,900	162
165	29.4	182.5	21,500	35.6	193.2	22,700	40.8	200.1	21,300	165
170	25.3	172.8	20,600	32.2	185.7	21,800	37.8	194.0	20,500	170
175	20.3	160.9	19,900	28.4	177.1	20,900	34.5	187.2	19,600	175
180	13.8	144.6	19,200	24.1	167.0	20,100	31.0	179.4	18,900	180
184	3.9	118.9	19,000	19.9	156.8	19,500	27.8	172.2	18,300	184
185				18.8	154.2	19,300	27.1	170.4	18,100	185
190				11.5	135.8	18,500	22.5	159.5	17,400	190
193				0.9	108.3	18,000	19.1	151.1	17,000	193
195							16.8	145.5	16,700	195
200							7.9	122.7	16,000	200
201							4.2	113.2	15,900	201

MLC200 S-3

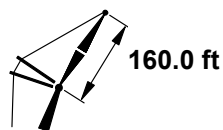
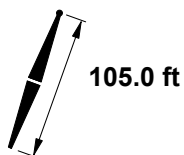
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	74.7	267.0	40,300						55	
60	72.8	265.6	39,500						60	
65	70.9	263.9	38,200						65	
70	69.0	262.1	36,600						70	
73	67.9	260.9	35,700	70.7	262.9	38,000			73	
75	67.1	260.1	35,000	69.9	262.2	37,400			75	
80	65.1	257.9	33,500	68.0	260.2	35,800			80	
85	63.2	255.4	32,000	66.0	258.1	34,300			85	
86	62.7	254.9	31,700	65.6	257.6	34,000	67.8	259.1	35,500	
90	61.1	252.8	30,600	64.1	255.8	32,800	66.2	257.4	34,400	
95	59.1	249.9	29,100	62.1	253.2	31,400	64.2	255.1	32,900	
100	57.0	246.8	27,800	60.0	250.5	29,900	62.2	252.5	31,500	
105	54.8	243.4	26,500	57.9	247.5	28,600	60.2	249.8	30,100	
107	53.9	241.9	26,000	57.1	246.2	28,000	59.3	248.6	29,500	
110	52.6	239.7	25,300	55.8	244.2	27,200	58.1	246.8	28,700	
115	50.3	235.8	24,100	53.6	240.7	26,000	56.0	243.6	27,400	
120	47.9	231.4	22,900	51.3	236.8	24,800	53.8	240.0	26,100	
125	45.4	226.7	21,800	49.0	232.7	23,600	51.5	236.2	24,900	
128	43.9	223.6	21,200	47.5	229.9	22,900	50.1	233.7	24,200	
130	42.9	221.6	20,800	46.6	228.1	22,400	49.2	232.1	23,700	
135	40.2	215.9	19,800	44.1	223.2	21,400	46.8	227.6	22,600	
140	37.3	209.7	18,800	41.4	217.8	20,400	44.3	222.7	21,500	
145	34.3	202.7	17,900	38.6	211.8	19,400	41.7	217.3	20,500	
148	32.3	198.0	17,400	36.9	207.8	18,800	40.0	213.8	19,900	
150	30.9	194.9	17,100	35.7	205.2	18,400	38.9	211.4	19,600	
155	27.2	185.9	16,300	32.5	197.8	17,600	35.9	204.9	18,600	
160	23.0	175.3	15,600	29.0	189.4	16,800	32.8	197.5	17,700	
165	17.9	161.9	14,900	25.0	179.6	16,000	29.3	189.2	16,900	
170	10.6	142.2	14,000	20.4	167.6	15,300	25.4	179.6	16,100	
172	5.5	128.1	13,700	18.0	161.3	15,000	23.6	174.9	15,800	
175				14.4	151.7	14,500	20.8	167.8	15,400	
180				1.0	114.7	13,700	15.0	152.4	14,500	
185							4.3	122.9	13,700	
190									190	
194									194	
195									195	
200									200	
203									203	
205									205	
210									210	
211									211	

MLC200 S-3

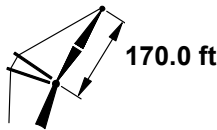
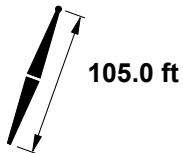
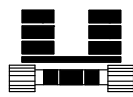
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
55										55
60										60
65										65
70										70
73										73
75										75
80										80
85										85
86										86
90										90
95										95
100										100
105										105
107	63.0	251.4	31,700							107
110	61.8	249.8	30,900							110
115	59.7	247.0	29,700							115
120	57.6	243.9	28,300							120
125	55.5	240.6	27,100							125
128	54.2	238.5	26,300	57.9	241.4	28,200				128
130	53.3	237.1	25,800	57.1	240.1	27,700				130
135	51.0	233.2	24,700	54.9	236.8	26,500				135
140	48.7	229.0	23,500	52.7	233.1	25,400				140
145	46.2	224.4	22,400	50.4	229.1	24,200				145
148	44.7	221.4	21,800	49.0	226.6	23,600	52.9	229.7	24,400	148
150	43.7	219.4	21,300	48.0	224.8	23,100	52.0	228.2	24,000	150
155	41.1	213.9	20,300	45.6	220.1	22,100	49.7	224.1	22,900	155
160	38.3	207.8	19,400	43.0	215.0	21,100	47.3	219.7	21,900	160
165	35.3	201.2	18,500	40.3	209.4	20,100	44.8	214.8	21,000	165
170	32.0	193.6	17,600	37.5	203.2	19,200	42.2	209.6	20,100	170
172	30.6	190.2	17,300	36.3	200.4	18,800	41.1	207.3	19,800	172
175	28.5	185.1	16,800	34.4	196.3	18,300	39.4	203.8	19,300	175
180	24.5	175.0	16,000	31.1	188.5	17,400	36.5	197.4	18,500	180
185	19.7	162.7	15,300	27.5	179.6	16,600	33.4	190.2	17,800	185
190	13.4	145.8	14,400	23.3	169.1	15,900	30.0	182.1	17,100	190
194	3.8	119.3	13,800	19.2	158.5	15,300	26.9	174.6	16,500	194
195				18.2	155.9	15,100	26.2	172.7	16,400	195
200				11.2	136.8	14,200	21.8	161.5	15,700	200
203				0.9	108.4	13,800	18.5	152.8	15,200	203
205							16.3	147.0	14,900	205
210							7.6	123.3	14,000	210
211							4.1	113.6	13,900	211

MLC200 S-3

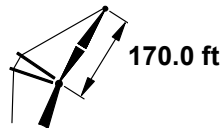
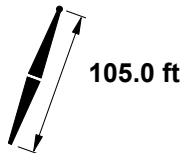
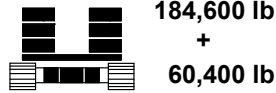
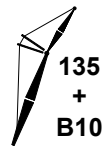
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
57	74.9	276.8	37,200							57
60	73.9	276.0	36,700							60
65	72.1	274.5	35,300							65
70	70.3	272.8	33,800							70
75	68.5	270.9	32,300							75
76	68.2	270.5	32,000	70.8	272.4	34,200				76
80	66.7	268.8	30,800	69.3	271.0	33,000				80
85	64.9	266.6	29,400	67.5	269.0	31,500				85
90	63.0	264.1	28,100	65.7	266.8	30,100	67.7	268.2	31,500	90
95	61.1	261.5	26,700	63.8	264.5	28,700	65.9	266.1	30,200	95
100	59.1	258.6	25,400	61.9	261.9	27,400	64.0	263.8	28,800	100
105	57.1	255.5	24,100	60.0	259.1	26,100	62.1	261.2	27,500	105
110	55.1	252.1	23,000	58.0	256.1	24,800	60.2	258.5	26,200	110
112	54.3	250.7	22,500	57.2	254.8	24,300	59.4	257.3	25,700	112
115	53.0	248.5	21,800	56.0	252.9	23,600	58.2	255.5	25,000	115
120	50.9	244.6	20,700	54.0	249.4	22,400	56.2	252.2	23,700	120
125	48.7	240.4	19,600	51.9	245.6	21,300	54.2	248.8	22,600	125
130	46.4	235.8	18,600	49.7	241.5	20,200	52.1	245.0	21,400	130
134	44.5	231.8	17,900	47.9	238.0	19,400	50.3	241.8	20,600	134
135	44.0	230.8	17,700	47.4	237.1	19,200	49.9	241.0	20,300	135
140	41.5	225.4	16,800	45.1	232.3	18,200	47.6	236.6	19,300	140
145	38.9	219.5	15,800	42.7	227.1	17,200	45.3	231.8	18,300	145
150	36.2	213.0	15,100	40.1	221.5	16,300	42.9	226.7	17,400	150
154	33.8	207.2	14,400	38.0	216.5	15,700	40.9	222.2	16,600	154
155	33.2	205.8	14,300	37.4	215.3	15,500	40.4	221.0	16,500	155
160	30.0	197.6	13,500	34.6	208.4	14,700	37.7	214.9	15,600	160
165	26.4	188.3	12,600	31.5	200.7	14,000	34.8	208.1	14,800	165
170	22.3	177.3	11,700	28.1	191.9	13,000	31.8	200.4	14,100	170
175	17.4	163.4	10,800	24.3	181.8	12,100	28.4	191.8	13,100	175
180	10.3	143.1	10,100	19.8	169.4	11,300	24.6	181.8	12,300	180
182	5.3	128.5	9,800	17.5	162.8	10,900	22.8	176.9	11,900	182
185				14.0	152.9	10,400	20.2	169.6	11,300	185
190				1.0	114.8	9,800	14.5	153.6	10,500	190
195							4.1	123.3	9,800	195
200										200
204										204
205										205
210										210
213										213
215										215
220										220
221										221

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ASME B30.5



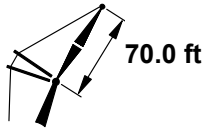
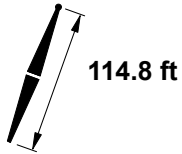
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57										57
60										60
65										65
70										70
75										75
76										76
80										80
85										85
90										90
95										95
100										100
105										105
110										110
112	62.8	260.0	27,800							112
115	61.7	258.4	27,000							115
120	59.7	255.6	25,800							120
125	57.8	252.6	24,600							125
130	55.8	249.3	23,400							130
134	54.1	246.5	22,500	57.6	249.5	24,300				134
135	53.7	245.8	22,300	57.2	248.8	24,100				135
140	51.6	242.0	21,200	55.2	245.5	23,000				140
145	49.4	237.9	20,100	53.1	241.9	21,900				145
150	47.1	233.4	19,100	51.0	238.0	20,800				150
154	45.3	229.5	18,300	49.2	234.6	20,000	52.9	237.7	21,500	154
155	44.8	228.6	18,100	48.8	233.8	19,800	52.5	237.0	21,400	155
160	42.3	223.3	17,200	46.5	229.2	18,800	50.3	233.0	20,400	160
165	39.8	217.6	16,400	44.2	224.3	17,900	48.1	228.6	19,400	165
170	37.1	211.3	15,500	41.7	218.9	17,000	45.8	224.0	18,400	170
175	34.2	204.3	14,700	39.1	213.0	16,100	43.4	218.9	17,600	175
180	31.0	196.5	13,900	36.3	206.5	15,200	40.9	213.4	16,700	180
182	29.7	192.9	13,500	35.1	203.7	14,900	39.8	210.9	16,300	182
185	27.6	187.6	13,000	33.4	199.4	14,500	38.2	207.3	15,800	185
190	23.7	177.1	12,100	30.2	191.3	13,700	35.4	200.6	15,000	190
195	19.1	164.4	11,200	26.6	182.0	12,800	32.4	193.2	14,300	195
200	13.0	147.0	10,400	22.6	171.1	11,900	29.1	184.8	13,400	200
204	3.6	119.6	9,800	18.7	160.2	11,200	26.1	177.0	12,700	204
205				17.7	157.5	11,000	25.4	175.0	12,500	205
210				10.8	137.8	10,200	21.1	163.4	11,600	210
213				0.9	108.4	9,900	17.9	154.4	11,100	213
215							15.8	148.4	10,800	215
220							7.4	124.0	10,000	220
221							4.0	113.9	9,900	221

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ASME B30.5



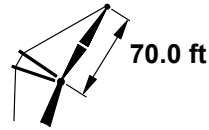
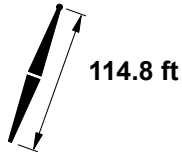
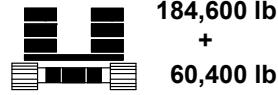
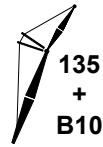
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.5	190.0	104,400 d							32
35	71.9	189.1	104,400 c							35
40	67.5	187.2	104,400 c							40
45	63.0	184.9	103,200 b	70.1	187.5	105,900 c				45
50	58.3	182.1	98,600 b	65.7	185.5	105,900 c				50
54	54.4	179.4	95,100 b	62.1	183.5	100,700 c	67.5	185.3	104,700 c	54
55	53.4	178.7	94,200	61.2	183.0	99,400 b	66.6	184.9	103,100 c	55
60	48.1	174.6	87,600	56.4	179.9	92,200 b	62.0	182.5	93,500 b	60
65	42.3	169.7	81,700	51.3	176.3	85,800	57.3	179.6	84,700 b	65
69	37.1	164.7	76,900	46.9	172.8	80,800	53.3	176.7	78,700 b	69
70	35.8	163.5	75,700	45.8	171.9	79,600	52.3	176.0	77,200	70
75	28.1	155.5	68,900	39.8	166.5	73,100	46.9	171.8	71,000	75
80	17.5	143.6	58,200	32.9	159.7	67,500	41.0	166.6	65,500	80
83	4.9	128.5	46,600	27.8	154.2	64,600	37.0	162.7	62,700	83
84				26.1	152.4	63,600	35.6	161.4	61,800	84
85				24.4	150.5	62,600	34.3	160.1	60,800	85
90				10.7	134.7	54,200	26.1	151.5	56,700	90
91				4.6	127.3	49,000	23.8	148.8	55,900	91
95							14.3	137.9	52,900	95
97							3.8	125.3	50,400	97
98										98
100										100
105										105
106										106
110										110
115										115
116										116
120										120
125										125

MLC200 S-3

ASME B30.5



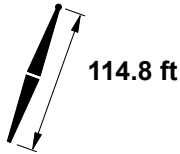
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32										32
35										35
40										40
45										45
50										50
54										54
55										55
60										60
65										65
69	62.7	180.5	74,700 b							69
70	61.8	180.0	73,400 b							70
75	57.0	177.0	67,400 b							75
80	52.0	173.5	62,200							80
83	48.8	170.9	59,600							83
84	47.7	170.0	58,700	57.5	174.1	55,600 b				84
85	46.6	169.2	57,800	56.5	173.5	54,700 b				85
90	40.7	163.9	53,800	51.5	169.9	51,000				90
91	39.3	162.6	53,100	50.4	169.0	50,400				91
95	33.9	157.3	50,400	46.0	165.5	47,700				95
97	30.6	153.8	49,100	43.6	163.3	46,600				97
98	28.9	152.1	48,500	42.4	162.3	46,000	52.7	166.8	43,400	98
100	25.6	148.6	47,200	40.0	160.1	44,800	50.6	165.2	42,400	100
105	13.4	134.5	44,400	33.1	153.4	42,100	45.1	160.7	39,900	105
106	9.2	129.4	43,800	31.4	151.6	41,600	43.8	159.5	39,400	106
110				24.7	144.3	39,700	39.0	155.1	37,600	110
115				11.4	129.0	37,400	31.9	148.1	35,500	115
116				6.0	122.4	37,000	30.1	146.1	35,100	116
120							23.0	138.4	33,600	120
125							7.3	120.0	31,800	125

MLC200 S-3

ASME B30.5



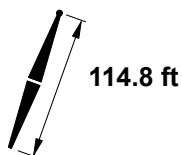
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.0	199.8	95,700 d							34
35	74.2	199.5	95,600 c							35
40	70.5	197.9	95,500 c							40
45	66.6	196.0	94,800 b							45
48	64.2	194.5	92,300 b	70.5	197.1	96,700 c				48
50	62.7	193.6	90,600 b	68.9	196.3	96,700 c				50
55	58.6	190.8	86,700	65.0	194.2	93,800 b				55
58	56.0	188.8	84,600	62.6	192.7	91,400 b	67.3	194.5	95,600 b	58
60	54.2	187.4	83,200	61.0	191.6	89,800 b	65.8	193.6	92,900 b	60
65	49.7	183.5	80,100	56.8	188.6	84,000	61.8	191.1	84,300 b	65
70	44.8	178.9	75,200	52.4	185.1	78,600	57.6	188.2	77,000	70
74	40.5	174.5	70,100	48.7	181.7	74,000	54.1	185.5	71,900	74
75	39.5	173.4	68,800	47.8	180.9	72,900	53.3	184.8	70,700	75
80	33.5	166.6	63,000	42.7	175.9	67,300	48.7	180.7	65,300	80
85	26.3	157.9	58,000	37.1	170.0	62,500	43.7	175.9	60,600	85
89	18.4	147.7	52,400	32.0	164.0	59,100	39.3	171.3	57,300	89
90	16.4	145.1	51,000	30.7	162.5	58,200	38.2	170.2	56,500	90
93	4.6	128.9	41,300	25.9	156.6	56,000	34.5	165.9	54,300	93
95				22.8	152.6	54,400	32.0	163.1	52,800	95
100				10.0	135.6	47,900	24.4	153.7	49,600	100
101				4.3	127.7	43,500	22.2	150.8	49,000	101
104							15.5	142.0	47,200	104
105							13.3	139.1	46,600	105
107							3.6	125.6	44,900	107
110										110
115										115
116										116
120										120
125										125
126										126
130										130
135										135

MLC200 S-3

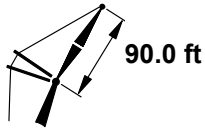
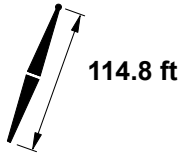
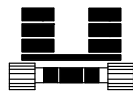
ASME B30.5



	75°		70°		65°					
	ft	lb	ft	lb	ft	lb	ft			
34							34			
35							35			
40							40			
45							45			
48							48			
50							50			
55							55			
58							58			
60							60			
65							65			
70							70			
74	62.4	189.2	68,100 b				74			
75	61.6	188.6	67,000 b				75			
80	57.4	185.7	61,900				80			
85	53.0	182.2	57,500				85			
89	49.3	178.9	54,300	57.8	182.8	51,400	89			
90	48.4	178.1	53,600	57.0	182.2	50,700	90			
93	45.4	175.2	51,500	54.3	180.1	48,700	93			
95	43.4	173.3	50,100	52.6	178.6	47,400	95			
100	37.9	167.5	47,000	47.9	174.5	44,500	100			
101	36.7	166.0	46,400	46.9	173.5	43,900	101			
104	32.9	161.7	44,800	43.9	170.5	42,400	52.7	174.8	40,000	104
105	31.6	160.3	44,200	42.9	169.6	41,800	51.8	174.0	39,500	105
107	28.6	156.5	43,200	40.7	167.2	40,900	50.0	172.3	38,600	107
110	24.0	150.8	41,700	37.3	163.6	39,500	47.1	169.7	37,200	110
115	12.5	135.6	39,300	30.9	156.2	37,300	42.0	164.6	35,200	115
116	8.6	130.2	38,900	29.4	154.3	36,900	40.9	163.4	34,800	116
120				23.1	146.4	35,300	36.4	158.5	33,300	120
125				10.7	129.9	33,400	29.8	150.8	31,600	125
126				5.6	123.0	33,000	28.1	148.7	31,300	126
130							21.5	140.4	30,000	130
135							6.8	120.6	28,500	135

MLC200 S-3

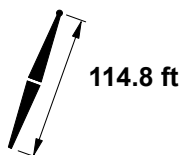
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37	74.7	209.3	86,200 c							37
40	72.7	208.5	86,000 c							40
45	69.4	206.7	83,100 b							45
50	65.9	204.7	79,500 b							50
51	65.2	204.2	78,800 b	70.7	206.6	85,000 b				51
55	62.4	202.3	76,100	68.0	205.1	82,100 b				55
60	58.7	199.4	73,000	64.5	202.9	78,700				60
61	57.9	198.8	72,400	63.8	202.4	78,100	67.9	204.1	82,000 b	61
65	54.9	196.2	70,100	60.9	200.3	75,500	65.1	202.3	79,400 b	65
70	50.9	192.4	67,500	57.2	197.3	72,600	61.6	199.8	76,300	70
75	46.7	188.0	65,100	53.3	193.8	69,800	57.9	196.9	70,500	75
78	44.0	184.9	63,800	50.9	191.4	68,300	55.6	194.9	67,300	78
80	42.1	182.9	62,900	49.2	189.8	67,200	54.0	193.5	65,100	80
85	37.1	176.9	58,600	44.9	185.2	62,400	50.0	189.6	60,500	85
90	31.5	169.5	54,200	40.2	179.7	58,200	45.7	185.1	56,400	90
95	24.7	160.2	50,300	34.9	173.2	54,400	41.1	179.8	52,700	95
100	15.5	146.5	44,800	28.9	165.2	51,100	36.0	173.5	49,500	100
103	4.3	129.3	36,600	24.4	158.8	49,300	32.5	168.9	47,700	103
105				21.4	154.6	48,000	30.1	165.8	46,600	105
110				9.5	136.5	42,400	23.0	155.8	43,900	110
111				4.1	128.0	38,600	20.9	152.7	43,400	111
115							12.6	140.2	41,500	115
117							3.3	125.9	39,900	117
120										120
125										125
126										126
130										130
135										135
136										136
140										140
145										145

MLC200 S-3

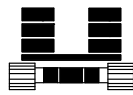
ASME B30.5



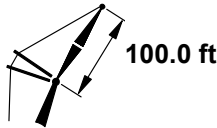
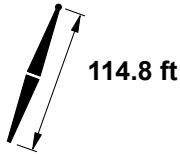
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
37										37
40										40
45										45
50										50
51										51
55										55
60										60
61										61
65										65
70										70
75										75
78	62.8	198.4	63,600							78
80	61.4	197.3	61,700							80
85	57.7	194.4	57,300							85
90	53.8	191.0	53,400							90
95	49.8	187.0	49,900	57.3	190.8	47,200				95
100	45.5	182.5	46,900	53.4	187.4	44,300				100
103	42.7	179.3	45,200	51.0	185.0	42,700				103
105	40.8	177.1	44,100	49.4	183.4	41,700				105
110	35.7	170.8	41,600	45.0	178.8	39,300	52.8	182.8	37,000	110
111	34.5	169.2	41,200	44.1	177.7	38,900	52.0	181.9	36,600	111
115	29.8	163.0	39,300	40.3	173.3	37,200	48.7	178.7	35,000	115
117	26.9	158.9	38,500	38.2	170.8	36,400	46.9	176.8	34,300	117
120	22.6	152.8	37,300	35.1	166.9	35,200	44.3	173.9	33,200	120
125	11.8	136.7	35,300	29.1	158.9	33,400	39.5	168.4	31,500	125
126	8.1	130.9	34,900	27.6	156.8	33,100	38.4	167.0	31,200	126
130				21.7	148.4	31,700	34.2	161.7	29,900	130
135				10.1	130.8	30,100	28.0	153.4	28,500	135
136				5.3	123.4	29,800	26.5	151.2	28,200	136
140							20.3	142.3	27,100	140
145							6.4	121.2	25,800	145

MLC200 S-3

ASME B30.5



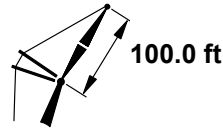
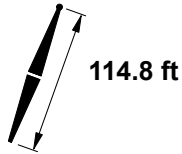
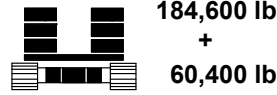
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	74.5	218.9	78,800 c						40	
45	71.5	217.4	77,700 b						45	
50	68.4	215.5	74,200 b						50	
54	66.0	213.8	71,600 b	70.9	216.1	77,200 b			54	
55	65.3	213.4	71,000	70.3	215.8	76,600 b			55	
60	62.1	210.9	67,800	67.2	213.8	73,300			60	
65	58.8	208.1	65,000	64.0	211.6	70,200	67.8	213.2	73,800 b	
70	55.4	204.9	62,300	60.8	209.0	67,300	64.6	211.0	70,800	
75	51.9	201.2	59,800	57.5	206.0	64,500	61.4	208.5	68,000	
80	48.1	197.0	57,500	54.0	202.6	62,000	58.1	205.6	64,800	
83	45.7	194.1	56,300	51.8	200.2	60,500	56.0	203.6	62,000	
85	44.2	192.2	55,400	50.4	198.7	59,600	54.7	202.2	60,200	
90	39.9	186.6	53,400	46.6	194.3	57,300	51.1	198.4	56,100	
95	35.2	180.1	50,000	42.5	189.2	54,200	47.3	194.1	52,500	
100	29.8	172.3	46,700	38.0	183.3	50,900	43.2	189.2	49,200	
105	23.4	162.3	43,600	33.1	176.3	47,900	38.9	183.4	46,300	
110	14.7	147.8	39,900	27.4	167.7	45,200	34.1	176.7	43,700	
113	4.1	129.6	32,800	23.2	160.9	43,600	30.7	171.7	42,300	
115				20.3	156.4	42,500	28.5	168.4	41,300	
116				18.1	152.6	41,600	27.2	166.3	40,900	
120				9.0	137.3	38,000	21.8	157.8	39,200	
121				3.8	128.4	34,700	19.8	154.5	38,800	
125							11.9	141.3	37,100	
127							3.2	126.2	35,900	
130									130	
135									135	
136									136	
140									140	
145									145	
146									146	
150									150	
155									155	

MLC200 S-3

ASME B30.5



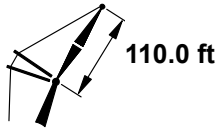
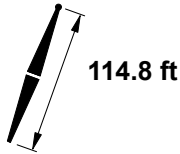
ft	75°			70°			65°			ft
	ft	lb	ft	lb	ft	lb	ft	lb		
40										40
45										45
50										50
54										54
55										55
60										60
65										65
70										70
75										75
80										80
83	62.5	207.0	58,600							83
85	61.2	206.0	56,900							85
90	57.9	203.0	53,000							90
95	54.5	199.7	49,600							95
100	50.9	195.9	46,500	57.6	199.5	43,900				100
105	47.1	191.5	43,800	54.1	196.1	41,300				105
110	43.0	186.5	41,300	50.5	192.3	38,900				110
113	40.4	183.1	40,000	48.2	189.6	37,700				113
115	38.6	180.7	39,100	46.7	187.9	36,800				115
116	37.7	179.4	38,700	45.9	186.8	36,400	52.8	190.8	34,200	116
120	33.8	173.9	37,000	42.6	182.8	34,900	49.9	187.6	32,800	120
121	32.7	172.2	36,600	41.7	181.6	34,500	49.1	186.7	32,400	121
125	28.2	165.6	35,100	38.2	176.9	33,100	46.0	183.1	31,100	125
127	25.5	161.3	34,400	36.2	174.1	32,400	44.4	181.0	30,500	127
130	21.4	154.8	33,400	33.3	170.0	31,500	41.9	177.9	29,600	130
135	11.2	137.7	31,700	27.6	161.4	29,900	37.4	171.8	28,100	135
136	7.7	131.6	31,400	26.2	159.2	29,700	36.4	170.4	27,900	136
140				20.6	150.3	28,500	32.4	164.7	26,800	140
145				9.6	131.7	27,200	26.6	155.8	25,600	145
146				5.0	123.9	26,900	25.1	153.5	25,300	146
150							19.2	144.0	24,400	150
155							6.1	121.7	23,200	155

MLC200 S-3

ASME B30.5



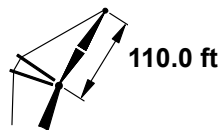
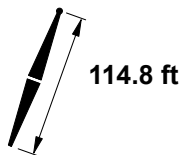
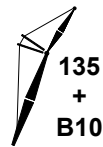
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	74.9	228.7	72,300 c						42	
45	73.2	227.8	71,900 b						45	
50	70.5	226.2	69,100 b						50	
55	67.7	224.3	66,600						55	
58	66.0	223.0	65,100	70.5	225.3	69,400 b			58	
60	64.9	222.1	64,200	69.4	224.6	68,400			60	
65	61.9	219.6	61,900	66.6	222.6	66,000			65	
69	59.5	217.3	60,100	64.3	220.7	64,100	67.6	222.4	66,700	69
70	58.9	216.8	59,700	63.7	220.3	63,700	67.1	222.0	66,300	70
75	55.9	213.6	57,500	60.7	217.6	61,500	64.2	219.7	64,100	75
80	52.6	210.0	55,400	57.7	214.7	59,300	61.3	217.1	62,000	80
85	49.3	205.9	53,300	54.6	211.3	57,200	58.3	214.2	59,800	85
87	47.9	204.1	52,600	53.3	209.8	56,300	57.0	212.9	58,300	87
90	45.8	201.3	51,400	51.3	207.5	55,000	55.2	210.9	56,000	90
95	42.0	196.1	49,600	47.9	203.3	53,000	51.9	207.2	52,400	95
100	38.0	190.2	47,600	44.3	198.4	50,900	48.5	203.1	49,200	100
105	33.5	183.2	44,400	40.4	193.0	47,900	45.0	198.4	46,300	105
110	28.4	174.9	41,400	36.2	186.6	45,200	41.1	193.0	43,700	110
115	22.3	164.3	38,700	31.5	179.2	42,800	37.0	186.9	41,400	115
120	14.0	149.1	35,400	26.1	170.1	40,400	32.4	179.7	39,200	120
122	7.3	136.4	30,900	23.4	165.3	39,400	30.3	176.2	38,400	122
123	3.9	130.0	28,600	22.1	162.9	38,800	29.3	174.4	38,000	123
125				19.4	158.1	37,800	27.2	170.9	37,200	125
130				8.6	138.0	33,600	20.8	159.7	35,400	130
131				3.7	128.7	30,500	18.9	156.2	35,100	131
135							11.4	142.3	33,700	135
137							3.0	126.5	31,700	137
140										140
145										145
146										146
150										150
155										155
156										156
160										160
165										165

MLC200 S-3

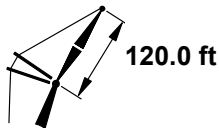
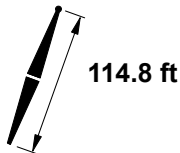
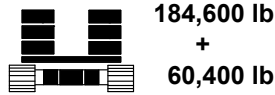
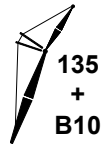
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
42										42
45										45
50										50
55										55
58										58
60										60
65										65
69										69
70										70
75										75
80										80
85										85
87	62.9	216.2	55,200							87
90	61.1	214.6	53,000							90
95	58.1	211.7	49,500							95
100	55.0	208.4	46,500							100
105	51.7	204.7	43,800	57.8	208.2	41,200				105
110	48.4	200.5	41,300	54.7	204.8	38,900				110
115	44.8	195.8	39,100	51.4	201.1	36,800				115
120	40.9	190.4	37,000	48.0	196.8	34,900				120
122	39.3	187.9	36,300	46.5	194.9	34,200	52.9	198.8	32,100	122
123	38.4	186.6	35,900	45.8	194.0	33,800	52.2	198.0	31,700	123
125	36.8	184.2	35,200	44.4	192.0	33,100	50.9	196.4	31,100	125
130	32.2	176.9	33,400	40.5	186.6	31,500	47.4	192.1	29,600	130
131	31.1	175.1	33,100	39.7	185.3	31,200	46.7	191.1	29,300	131
135	26.9	168.1	31,900	36.3	180.3	30,000	43.8	187.2	28,100	135
137	24.3	163.5	31,300	34.5	177.3	29,400	42.2	184.9	27,600	137
140	20.4	156.6	30,400	31.7	172.9	28,600	39.9	181.6	26,800	140
145	10.6	138.6	28,900	26.3	163.8	27,300	35.6	175.1	25,600	145
146	7.3	132.3	28,700	25.0	161.5	27,000	34.7	173.6	25,400	146
150				19.6	152.0	26,100	30.9	167.5	24,500	150
155				9.1	132.5	24,900	25.3	158.1	23,400	155
156				4.8	124.3	24,600	23.9	155.6	23,200	156
160							18.3	145.6	22,400	160
165							5.8	122.2	21,400	165

MLC200 S-3

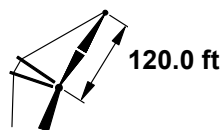
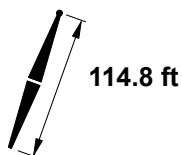
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
45	74.7	238.2	53,800 b						45	
50	72.2	236.8	52,600 b						50	
55	69.6	235.0	51,600						55	
60	67.1	233.0	50,600						60	
61	66.5	232.6	50,400	70.6	234.9	52,300			61	
65	64.5	230.8	49,600	68.6	233.4	51,500			65	
70	61.8	228.3	48,600	66.0	231.3	50,700			70	
73	60.1	226.6	48,100	64.4	229.9	50,200	67.5	231.6	51,100	73
75	59.0	225.4	47,800	63.4	228.9	49,800	66.5	230.7	50,800	75
80	56.2	222.2	46,900	60.7	226.3	49,000	63.9	228.4	50,000	80
85	53.3	218.7	45,600	57.9	223.3	48,200	61.2	225.8	49,300	85
90	50.2	214.8	43,900	55.0	220.0	47,000	58.4	222.9	48,600	90
92	49.0	213.0	43,200	53.8	218.5	46,300	57.3	221.6	48,100	92
95	47.1	210.4	42,200	52.1	216.3	45,200	55.6	219.6	47,400	95
100	43.7	205.4	40,700	49.0	212.2	43,500	52.6	216.0	45,600	100
105	40.1	199.9	39,200	45.7	207.6	41,800	49.6	212.0	44,000	105
110	36.3	193.5	37,900	42.3	202.4	40,400	46.3	207.5	42,300	110
115	32.0	186.1	36,700	38.6	196.5	38,900	42.9	202.4	40,800	115
120	27.2	177.3	35,600	34.6	189.8	37,700	39.3	196.7	39,000	120
125	21.4	166.3	34,500	30.1	181.9	36,500	35.4	190.1	37,000	125
128	16.6	156.7	32,800	27.0	176.2	35,900	32.8	185.5	35,900	128
130	13.4	150.3	31,700	25.0	172.3	35,500	31.0	182.5	35,200	130
133	3.7	130.3	25,700	21.1	164.8	34,400	28.0	177.0	34,200	133
135				18.5	159.8	33,700	26.0	173.3	33,500	135
140				8.2	138.8	30,200	19.9	161.5	32,000	140
141				3.5	129.0	27,500	18.1	157.8	31,700	141
145							10.9	143.3	30,500	145
147							2.9	126.7	28,600	147
150										150
155										155
156										156
160										160
165										165
166										166
170										170
175										175

MLC200 S-3

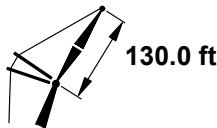
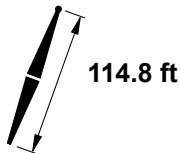
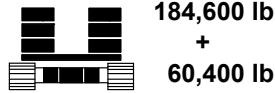
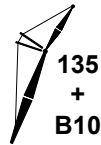
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
45									45	
50									50	
55									55	
60									60	
61									61	
65									65	
70									70	
73									73	
75									75	
80									80	
85									85	
90									90	
92	62.7	224.9	49,100						92	
95	61.0	223.3	48,800						95	
100	58.3	220.4	46,100						100	
105	55.4	217.1	43,400						105	
110	52.5	213.5	41,000	58.0	216.9	38,500			110	
115	49.4	209.4	38,700	55.1	213.6	36,400			115	
120	46.2	204.9	36,700	52.2	209.9	34,500			120	
125	42.8	199.8	34,900	49.1	205.8	32,800			125	
128	40.6	196.3	33,800	47.1	203.0	31,800	52.9	206.8	29,800	128
130	39.1	194.0	33,200	45.8	201.2	31,100	51.7	205.2	29,200	130
133	36.7	190.0	32,200	43.8	198.1	30,200	49.8	202.7	28,300	133
135	35.2	187.4	31,600	42.4	196.0	29,700	48.6	201.0	27,800	135
140	30.8	179.7	30,100	38.7	190.2	28,300	45.3	196.4	26,500	140
141	29.8	177.8	29,800	37.9	188.8	28,000	44.6	195.3	26,200	141
145	25.7	170.4	28,800	34.7	183.5	27,000	41.8	191.1	25,300	145
147	23.2	165.6	28,200	33.0	180.3	26,500	40.3	188.7	24,800	147
150	19.5	158.4	27,500	30.3	175.6	25,800	38.1	185.1	24,100	150
155	10.2	139.5	26,200	25.2	166.1	24,700	34.0	178.3	23,100	155
156	7.0	132.9	26,000	23.9	163.6	24,500	33.1	176.6	22,900	156
160				18.8	153.7	23,600	29.5	170.2	22,100	160
165				8.7	133.3	22,600	24.2	160.3	21,200	165
166				4.6	124.7	22,300	22.9	157.7	21,000	166
170							17.5	147.2	20,300	170
175							5.6	122.7	19,400	175

MLC200 S-3

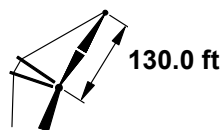
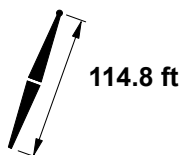
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	75.0	248.1	50,200 b							47
50	73.6	247.2	49,600 b							50
55	71.3	245.6	48,600							55
60	68.9	243.8	47,700							60
64	67.0	242.2	47,000	70.8	244.4	48,600				64
65	66.5	241.8	46,900	70.3	244.1	48,500				65
70	64.1	239.5	46,000	68.0	242.2	47,700				70
75	61.6	236.9	45,300	65.6	240.0	46,900				75
76	61.1	236.4	44,900	65.1	239.5	46,800	67.9	241.1	47,500	76
80	59.1	234.1	43,700	63.1	237.6	46,200	66.0	239.4	47,000	80
85	56.5	230.9	42,000	60.6	235.0	45,000	63.6	237.1	46,300	85
90	53.8	227.5	40,400	58.1	232.0	43,300	61.1	234.5	45,300	90
95	51.0	223.6	38,900	55.4	228.7	41,600	58.5	231.6	43,600	95
96	50.5	222.8	38,600	54.9	228.0	41,300	58.0	230.9	43,300	96
100	48.1	219.4	37,500	52.7	225.1	40,100	55.9	228.3	42,000	100
105	45.1	214.6	36,000	49.9	221.1	38,600	53.2	224.8	40,500	105
110	41.9	209.4	34,700	46.9	216.6	37,200	50.4	220.8	39,000	110
115	38.5	203.4	33,500	43.8	211.7	35,800	47.5	216.5	37,500	115
116	37.8	202.1	33,300	43.2	210.6	35,500	46.9	215.5	37,300	116
120	34.8	196.7	32,300	40.6	206.2	34,500	44.4	211.7	36,200	120
125	30.7	189.0	31,300	37.0	200.0	33,300	41.2	206.3	34,800	125
130	26.1	179.7	30,300	33.2	192.9	32,200	37.7	200.2	33,700	130
134	21.6	170.4	29,700	29.8	186.2	31,300	34.7	194.6	32,800	134
135	20.5	168.1	29,500	28.9	184.6	31,100	33.9	193.3	32,500	135
140	12.9	151.4	28,300	24.0	174.5	30,200	29.8	185.2	31,500	140
143	3.6	130.6	23,000	20.3	166.7	29,800	26.9	179.4	30,800	143
145				17.8	161.4	29,500	25.0	175.5	30,400	145
150				7.9	139.5	27,100	19.1	163.2	29,100	150
151				3.4	129.3	24,600	17.4	159.4	28,800	151
155							10.4	144.2	27,800	155
157							2.8	127.0	25,700	157
160										160
165										165
166										166
170										170
175										175
176										176
180										180
185										185

MLC200 S-3

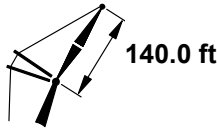
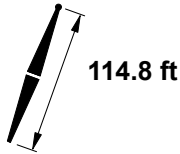
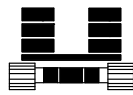
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47										47
50										50
55										55
60										60
64										64
65										65
70										70
75										75
76										76
80										80
85										85
90										90
95										95
96	63.0	234.1	45,500							96
100	61.0	232.0	44,900							100
105	58.4	229.0	43,200							105
110	55.8	225.8	40,700							110
115	53.1	222.2	38,500							115
116	52.5	221.4	38,100	57.6	224.9	35,800				116
120	50.3	218.3	36,500	55.5	222.3	34,300				120
125	47.3	213.9	34,700	52.8	218.6	32,500				125
130	44.3	209.0	33,000	50.0	214.6	30,900				130
134	41.7	204.7	31,700	47.6	211.1	29,700	52.9	214.8	27,800	134
135	41.0	203.6	31,400	47.0	210.2	29,400	52.3	214.0	27,500	135
140	37.5	197.5	29,900	43.9	205.3	28,100	49.5	209.9	26,200	140
143	35.3	193.3	29,100	42.0	202.0	27,300	47.7	207.2	25,500	143
145	33.7	190.5	28,600	40.7	199.8	26,800	46.5	205.4	25,000	145
150	29.5	182.4	27,300	37.2	193.6	25,600	43.4	200.4	23,900	150
151	28.6	180.4	27,100	36.4	192.2	25,400	42.7	199.3	23,700	151
155	24.7	172.6	26,200	33.3	186.5	24,500	40.1	194.8	22,900	155
157	22.3	167.6	25,700	31.6	183.2	24,100	38.7	192.3	22,500	157
160	18.7	160.1	25,000	29.1	178.3	23,500	36.6	188.5	21,900	160
165	9.8	140.4	24,000	24.2	168.3	22,500	32.7	181.3	21,000	165
166	6.7	133.5	23,700	22.9	165.7	22,300	31.8	179.6	20,800	166
170				18.0	155.3	21,500	28.3	172.8	20,100	170
175				8.4	134.0	20,600	23.3	162.4	19,300	175
176				4.4	125.1	20,400	22.0	159.7	19,100	176
180							16.8	148.7	18,500	180
185							5.4	123.2	17,700	185

MLC200 S-3

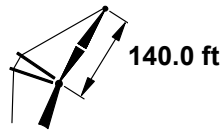
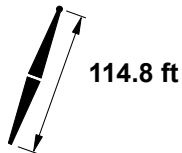
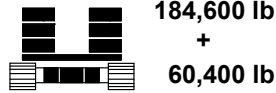
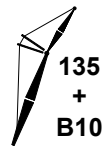
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	74.8	257.6	46,500 b							50
55	72.7	256.2	45,600							55
60	70.5	254.5	44,800							60
65	68.3	252.6	44,000							65
67	67.4	251.8	43,700	70.9	254.0	45,100				67
70	66.1	250.5	43,200	69.6	252.9	44,600				70
75	63.8	248.2	41,600	67.4	250.9	43,900				75
80	61.5	245.6	40,000	65.2	248.7	42,800	67.8	250.3	43,800	80
85	59.2	242.7	38,400	62.9	246.3	41,100	65.6	248.2	43,000	85
90	56.8	239.6	36,800	60.6	243.6	39,600	63.3	245.8	41,400	90
95	54.3	236.2	35,400	58.2	240.7	38,000	61.0	243.1	39,800	95
100	51.7	232.4	33,900	55.8	237.4	36,400	58.7	240.2	38,300	100
101	51.2	231.6	33,600	55.3	236.7	36,100	58.2	239.6	38,000	101
105	49.1	228.3	32,600	53.3	233.8	35,000	56.2	237.0	36,800	105
110	46.3	223.7	31,300	50.7	229.9	33,600	53.7	233.5	35,400	110
115	43.4	218.7	30,000	48.0	225.6	32,200	51.1	229.7	33,900	115
120	40.3	213.1	28,800	45.1	220.9	30,900	48.5	225.4	32,600	120
121	39.7	211.9	28,600	44.5	219.8	30,700	47.9	224.5	32,400	121
125	37.0	206.9	27,700	42.2	215.6	29,800	45.7	220.8	31,300	125
130	33.5	199.8	26,600	39.0	209.8	28,600	42.7	215.7	30,100	130
135	29.6	191.6	25,700	35.6	203.2	27,500	39.6	209.9	28,900	135
140	25.1	182.0	24,800	32.0	195.8	26,400	36.3	203.5	27,800	140
145	19.8	169.9	24,000	27.9	187.1	25,500	32.7	196.2	26,700	145
150	12.4	152.5	23,400	23.1	176.6	24,600	28.7	187.8	25,700	150
153	3.5	131.0	20,600	19.5	168.4	24,200	25.9	181.8	25,200	153
155				17.2	163.0	23,900	24.1	177.7	24,900	155
160				7.6	140.1	23,500	18.4	164.8	24,100	160
161				3.3	129.6	22,100	16.7	160.9	24,000	161
165							10.1	145.1	23,600	165
167							2.7	127.2	23,100	167
170										170
175										175
176										176
180										180
185										185
186										186
190										190
195										195

MLC200 S-3

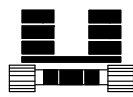
ASME B30.5



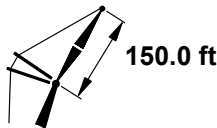
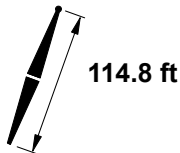
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
67										67
70										70
75										75
80										80
85										85
90										90
95										95
100										100
101	62.8	242.8	40,600							101
105	60.9	240.6	39,400							105
110	58.5	237.7	38,100							110
115	56.1	234.5	36,600							115
120	53.6	231.0	35,200							120
121	53.1	230.2	34,900	57.8	233.6	33,500				121
125	51.0	227.1	33,900	55.8	231.0	32,200				125
130	48.3	222.9	32,600	53.3	227.4	30,600				130
135	45.5	218.2	31,100	50.7	223.5	29,100				135
140	42.6	213.0	29,600	48.0	219.2	27,700	52.9	222.8	25,900	140
145	39.5	207.3	28,300	45.2	214.5	26,500	50.3	218.8	24,700	145
150	36.1	200.8	27,000	42.3	209.3	25,300	47.6	214.4	23,500	150
153	33.9	196.4	26,300	40.4	205.8	24,600	45.9	211.6	22,900	153
155	32.5	193.5	25,900	39.1	203.4	24,200	44.8	209.6	22,500	155
160	28.4	185.0	24,800	35.8	196.9	23,100	41.8	204.3	21,500	160
161	27.5	182.9	24,600	35.0	195.4	23,000	41.1	203.1	21,400	161
165	23.8	174.8	23,800	32.1	189.5	22,200	38.6	198.4	20,600	165
167	21.5	169.5	23,400	30.5	186.0	21,800	37.2	195.7	20,300	167
170	18.1	161.7	22,800	28.0	180.8	21,300	35.2	191.7	19,800	170
175	9.4	141.2	21,800	23.3	170.4	20,400	31.5	184.1	19,000	175
176	6.5	134.1	21,600	22.1	167.7	20,200	30.6	182.4	18,800	176
180				17.4	156.9	19,600	27.3	175.2	18,200	180
185				8.1	134.8	18,800	22.4	164.4	17,500	185
186				4.3	125.5	18,600	21.2	161.6	17,300	186
190							16.2	150.2	16,800	190
195							5.2	123.7	16,000	195

MLC200 S-3

ASME B30.5



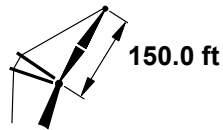
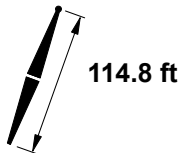
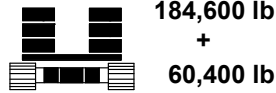
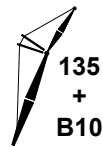
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	74.6	267.2	43,100							53
55	73.8	266.6	42,700							55
60	71.8	265.1	42,000							60
65	69.8	263.3	41,200							65
70	67.8	261.4	40,000							70
71	67.4	260.9	39,700	70.6	263.2	41,600				71
75	65.7	259.2	38,400	69.0	261.7	41,000				75
80	63.6	256.9	36,800	66.9	259.7	39,500				80
84	61.9	254.8	35,600	65.3	257.9	38,200	67.7	259.5	39,900	84
85	61.4	254.3	35,300	64.8	257.4	37,900	67.3	259.1	39,600	85
90	59.2	251.4	33,800	62.7	255.0	36,300	65.2	256.9	38,100	90
95	57.0	248.3	32,300	60.5	252.3	34,800	63.1	254.4	36,600	95
100	54.7	244.9	31,000	58.3	249.3	33,400	61.0	251.8	35,200	100
105	52.3	241.2	29,700	56.1	246.1	32,000	58.7	248.9	33,700	105
110	49.8	237.2	28,400	53.7	242.6	30,700	56.5	245.7	32,300	110
115	47.3	232.7	27,200	51.3	238.7	29,400	54.2	242.3	30,900	115
120	44.6	227.9	26,000	48.8	234.6	28,100	51.8	238.5	29,600	120
125	41.8	222.6	24,900	46.2	230.0	26,900	49.3	234.4	28,400	125
126	41.3	221.4	24,700	45.7	229.0	26,700	48.8	233.5	28,200	126
130	38.9	216.7	23,900	43.5	225.0	25,700	46.7	229.9	27,200	130
135	35.7	210.1	22,800	40.7	219.4	24,700	44.0	224.9	26,100	135
140	32.3	202.7	21,900	37.6	213.3	23,600	41.2	219.5	24,900	140
145	28.6	194.2	21,000	34.4	206.4	22,600	38.2	213.5	23,900	145
146	27.7	192.2	20,900	33.7	204.8	22,400	37.6	212.1	23,700	146
150	24.3	184.2	20,200	30.9	198.6	21,700	35.0	206.7	22,900	150
155	19.1	171.6	19,500	26.9	189.5	20,800	31.5	199.1	21,900	155
160	12.0	153.6	19,000	22.3	178.6	20,100	27.7	190.3	21,100	160
163	3.3	131.3	18,600	18.9	170.1	19,700	25.0	184.0	20,600	163
165				16.6	164.4	19,400	23.2	179.8	20,300	165
170				7.3	140.8	18,900	17.8	166.4	19,500	170
171				3.1	129.9	18,900	16.2	162.3	19,400	171
175							9.7	146.0	19,100	175
177							2.6	127.4	19,000	177
180										180
185										185
186										186
190										190
195										195
196										196
200										200
205										205

MLC200 S-3

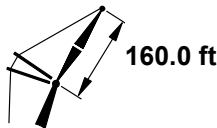
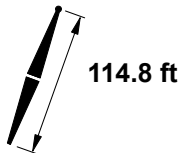
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53										53
55										55
60										60
65										65
70										70
71										71
75										75
80										80
84										84
85										85
90										90
95										95
100										100
105	63.0	252.0	36,200							105
110	60.8	249.3	34,800							110
115	58.6	246.4	33,500							115
120	56.4	243.2	32,100							120
125	54.0	239.7	30,800							125
126	53.6	238.9	30,600	57.9	242.2	31,700				126
130	51.6	235.9	29,500	56.1	239.6	30,500				130
135	49.2	231.8	28,300	53.8	236.1	29,000				135
140	46.6	227.2	27,200	51.4	232.3	27,600				140
145	43.9	222.3	26,000	48.9	228.1	26,400				145
146	43.3	221.2	25,800	48.4	227.2	26,100	52.9	230.8	24,300	146
150	41.1	216.8	25,000	46.3	223.6	25,200	51.0	227.6	23,500	150
155	38.1	210.8	23,900	43.6	218.6	24,100	48.5	223.4	22,400	155
160	34.8	204.0	22,900	40.8	213.0	23,100	45.9	218.8	21,500	160
163	32.7	199.4	22,400	38.9	209.4	22,500	44.2	215.7	20,900	163
165	31.3	196.3	22,000	37.7	206.9	22,100	43.2	213.7	20,600	165
170	27.5	187.5	21,100	34.5	200.1	21,200	40.3	208.1	19,700	170
171	26.6	185.3	21,000	33.8	198.5	21,000	39.7	206.8	19,500	171
175	23.0	176.8	20,300	31.0	192.3	20,400	37.2	201.8	18,900	175
177	20.8	171.4	20,000	29.4	188.7	20,000	35.9	199.0	18,600	177
180	17.4	163.2	19,600	27.0	183.3	19,600	34.0	194.9	18,100	180
185	9.1	142.0	19,100	22.5	172.4	18,800	30.4	186.9	17,400	185
186	6.3	134.6	19,100	21.3	169.6	18,600	29.6	185.0	17,300	186
190				16.8	158.4	18,000	26.3	177.6	16,700	190
195				7.8	135.4	17,300	21.6	166.4	16,100	195
196				4.1	125.9	17,200	20.4	163.4	16,000	196
200							15.7	151.6	15,500	200
205							5.0	124.1	14,800	205

MLC200 S-3

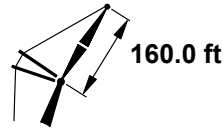
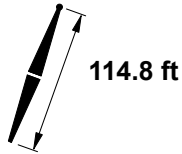
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	74.9	277.0	39,900						55	
60	73.0	275.5	39,100						60	
65	71.1	273.9	38,100						65	
70	69.2	272.1	36,600						70	
74	67.7	270.5	35,300	70.7	272.7	37,800			74	
75	67.3	270.1	35,000	70.4	272.4	37,500			75	
80	65.3	267.9	33,500	68.5	270.5	36,000			80	
85	63.4	265.5	32,100	66.5	268.4	34,500			85	
88	62.1	264.0	31,200	65.3	267.0	33,600	67.7	268.6	35,300	88
90	61.3	262.9	30,700	64.5	266.1	33,000	66.9	267.8	34,700	90
95	59.3	260.1	29,200	62.5	263.6	31,600	64.9	265.6	33,200	95
100	57.2	257.0	27,900	60.5	260.9	30,200	62.9	263.1	31,800	100
105	55.0	253.6	26,700	58.4	258.0	28,800	60.9	260.5	30,500	105
110	52.8	250.0	25,400	56.3	254.8	27,500	58.8	257.5	29,100	110
115	50.5	246.0	24,200	54.1	251.3	26,200	56.7	254.4	27,800	115
120	48.2	241.7	23,100	51.9	247.5	25,100	54.5	251.0	26,500	120
125	45.7	237.0	22,000	49.6	243.5	23,900	52.3	247.3	25,300	125
130	43.1	231.9	20,900	47.2	239.0	22,700	50.0	243.2	24,200	130
132	42.1	229.7	20,500	46.2	237.1	22,300	49.0	241.5	23,700	132
135	40.5	226.3	19,900	44.7	234.2	21,600	47.6	238.9	23,000	135
140	37.6	220.2	19,000	42.1	228.9	20,600	45.2	234.1	21,900	140
145	34.6	213.3	18,100	39.3	223.1	19,700	42.6	228.9	20,900	145
150	31.3	205.6	17,300	36.4	216.6	18,700	39.8	223.2	19,900	150
152	29.8	202.1	16,900	35.1	213.7	18,300	38.7	220.6	19,500	152
155	27.6	196.7	16,400	33.3	209.4	17,800	37.0	216.9	18,900	155
160	23.5	186.3	15,800	29.9	201.3	17,000	33.9	209.8	18,100	160
165	18.5	173.3	15,000	26.0	191.9	16,200	30.5	201.9	17,200	165
170	11.6	154.6	14,100	21.6	180.5	15,600	26.8	192.7	16,400	170
173	3.2	131.5	13,700	18.3	171.7	15,100	24.2	186.2	16,000	173
175				16.0	165.9	14,700	22.5	181.8	15,700	175
180				7.1	141.4	13,900	17.2	168.0	14,900	180
181				3.0	130.1	13,800	15.6	163.7	14,700	181
185							9.4	146.8	14,000	185
187							2.5	127.7	13,800	187
190										190
195										195
196										196
200										200
205										205
206										206
210										210
215										215

MLC200 S-3

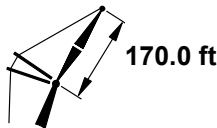
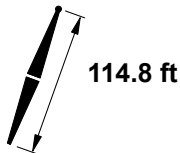
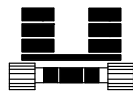
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
74										74
75										75
80										80
85										85
88										88
90										90
95										95
100										100
105										105
110	62.8	260.6	31,400							110
115	60.8	257.9	30,200							115
120	58.7	255.0	28,900							120
125	56.6	251.9	27,700							125
130	54.4	248.4	26,400							130
132	53.5	246.9	26,000	57.7	250.3	28,000				132
135	52.2	244.7	25,300	56.4	248.3	27,300				135
140	49.9	240.7	24,100	54.2	244.9	26,100				140
145	47.5	236.3	23,000	52.0	241.1	25,000				145
150	45.0	231.5	21,900	49.6	237.0	23,900				150
152	44.0	229.4	21,500	48.7	235.2	23,500	52.9	238.8	22,700	152
155	42.4	226.2	20,900	47.3	232.6	22,800	51.6	236.4	22,100	155
160	39.7	220.5	19,900	44.8	227.8	21,800	49.3	232.3	21,100	160
165	36.8	214.2	18,900	42.2	222.5	20,800	46.9	227.8	20,200	165
170	33.7	207.1	18,100	39.4	216.7	19,900	44.3	222.9	19,400	170
173	31.7	202.3	17,600	37.7	212.8	19,300	42.8	219.7	18,900	173
175	30.3	199.1	17,200	36.5	210.3	18,900	41.7	217.6	18,600	175
180	26.6	189.9	16,500	33.4	203.1	18,000	39.0	211.7	17,800	180
181	25.7	187.6	16,300	32.7	201.5	17,800	38.4	210.4	17,700	181
185	22.2	178.8	15,700	30.0	195.0	17,200	36.0	205.1	17,100	185
187	20.1	173.2	15,400	28.4	191.3	16,900	34.7	202.2	16,800	187
190	16.9	164.8	14,900	26.2	185.6	16,400	32.8	197.9	16,400	190
195	8.8	142.8	14,000	21.8	174.4	15,700	29.4	189.6	15,800	195
196	6.1	135.2	13,900	20.6	171.5	15,500	28.6	187.6	15,700	196
200				16.2	159.9	14,900	25.5	179.9	15,200	200
205				7.6	136.1	14,000	20.9	168.3	14,600	205
206				4.0	126.2	13,900	19.8	165.2	14,500	206
210							15.2	152.9	14,000	210
215							4.8	124.5	13,400	215

MLC200 S-3

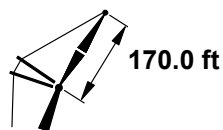
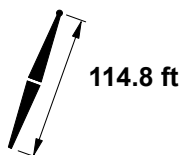
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	74.7	286.5	36,600							58
60	74.0	286.0	36,300							60
65	72.3	284.5	35,200							65
70	70.5	282.8	33,700							70
75	68.7	280.9	32,300							75
77	68.0	280.1	31,700	70.9	282.3	33,900				77
80	66.9	278.9	30,900	69.8	281.2	33,200				80
85	65.0	276.6	29,500	68.0	279.3	31,700				85
90	63.2	274.2	28,100	66.1	277.1	30,300				90
91	62.8	273.7	27,800	65.8	276.7	30,000	67.9	278.2	31,600	91
95	61.3	271.6	26,800	64.3	274.8	28,900	66.5	276.5	30,500	95
100	59.3	268.7	25,500	62.4	272.3	27,600	64.6	274.3	29,200	100
105	57.3	265.6	24,300	60.5	269.6	26,300	62.8	271.8	27,800	105
110	55.3	262.3	23,000	58.5	266.6	25,100	60.8	269.1	26,600	110
115	53.2	258.7	21,900	56.5	263.5	23,900	58.9	266.2	25,300	115
120	51.1	254.8	20,800	54.5	260.0	22,700	56.9	263.1	24,100	120
125	48.9	250.6	19,700	52.4	256.3	21,500	54.9	259.7	22,900	125
130	46.6	246.1	18,700	50.2	252.3	20,500	52.8	256.0	21,800	130
135	44.3	241.2	17,800	48.0	248.0	19,400	50.6	252.1	20,700	135
137	43.3	239.0	17,400	47.1	246.1	19,000	49.7	250.4	20,300	137
140	41.8	235.8	16,900	45.7	243.3	18,500	48.4	247.8	19,700	140
145	39.2	230.0	16,000	43.3	238.2	17,500	46.1	243.2	18,700	145
150	36.5	223.5	15,200	40.8	232.7	16,600	43.7	238.2	17,700	150
155	33.5	216.4	14,400	38.1	226.6	15,700	41.2	232.7	16,800	155
158	31.6	211.6	13,900	36.4	222.5	15,200	39.7	229.1	16,300	158
160	30.3	208.3	13,600	35.3	219.9	14,900	38.6	226.7	16,000	160
165	26.8	199.2	12,700	32.3	212.4	14,100	35.8	220.2	15,100	165
170	22.8	188.3	11,800	28.9	203.9	13,300	32.8	212.8	14,300	170
175	17.9	174.9	10,900	25.2	194.1	12,300	29.6	204.6	13,500	175
180	11.2	155.6	10,200	20.9	182.4	11,500	26.0	195.1	12,600	180
183	3.1	131.8	9,800	17.7	173.3	11,000	23.5	188.3	12,000	183
185				15.6	167.3	10,700	21.8	183.8	11,700	185
190				6.9	142.0	9,900	16.7	169.5	10,900	190
191				3.0	130.4	9,900	15.2	165.1	10,700	191
195							9.1	147.6	10,100	195
197							2.4	127.9	9,800	197
200										200
205										205
206										206
210										210
215										215
216										216
220										220
225										225

MLC200 S-3

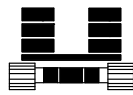
ASME B30.5



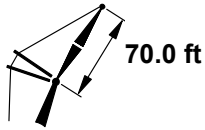
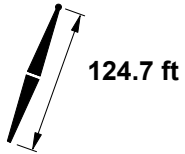
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58										58
60										60
65										65
70										70
75										75
77										77
80										80
85										85
90										90
91										91
95										95
100										100
105										105
110										110
115	62.7	269.3	27,500							115
120	60.7	266.6	26,300							120
125	58.8	263.7	25,200							125
130	56.8	260.5	24,000							130
135	54.8	257.1	22,800							135
137	53.9	255.7	22,400	57.8	258.9	24,300				137
140	52.7	253.5	21,700	56.6	257.0	23,600				140
145	50.5	249.5	20,700	54.5	253.6	22,600				145
150	48.3	245.2	19,600	52.5	249.9	21,500				150
155	46.0	240.6	18,700	50.3	245.9	20,500				155
158	44.6	237.6	18,100	49.0	243.3	19,900	53.0	246.8	21,200	158
160	43.6	235.5	17,700	48.1	241.6	19,500	52.1	245.2	20,900	160
165	41.1	230.1	16,800	45.8	236.9	18,500	49.9	241.2	20,000	165
170	38.5	224.1	15,900	43.4	231.8	17,600	47.7	236.8	19,100	170
175	35.7	217.4	15,100	40.8	226.3	16,800	45.4	232.1	18,300	175
180	32.7	210.1	14,300	38.2	220.2	15,900	43.0	226.9	17,400	180
183	30.7	205.1	13,800	36.5	216.2	15,400	41.4	223.5	16,900	183
185	29.4	201.8	13,500	35.4	213.5	15,100	40.4	221.3	16,500	185
190	25.8	192.2	12,600	32.4	206.1	14,300	37.7	215.1	15,700	190
191	24.9	189.9	12,400	31.7	204.4	14,100	37.2	213.8	15,500	191
195	21.6	180.8	11,700	29.1	197.7	13,400	34.9	208.3	14,900	195
197	19.5	174.9	11,400	27.6	193.8	13,000	33.7	205.3	14,600	197
200	16.4	166.2	10,900	25.4	187.9	12,500	31.8	200.8	14,200	200
205	8.6	143.6	10,100	21.1	176.3	11,600	28.5	192.1	13,300	205
206	5.9	135.7	9,900	20.0	173.3	11,400	27.7	190.1	13,100	206
210				15.8	161.3	10,800	24.7	182.2	12,400	210
215				7.3	136.8	10,100	20.3	170.1	11,500	215
216				3.9	126.6	9,900	19.2	166.9	11,300	216
220							14.7	154.2	10,700	220
225							4.7	125.0	10,000	225

MLC200 S-3

ASME B30.5



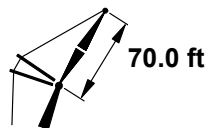
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	74.9	199.9	101,300 d							32
35	72.3	199.1	101,300 d							35
40	68.0	197.3	101,300 c							40
45	63.5	195.0	101,300 b							45
46	62.6	194.4	100,300 b	70.3	197.3	102,600 c				46
50	58.8	192.2	96,700 b	66.8	195.8	102,600 c				50
55	53.9	188.9	89,800	62.3	193.4	95,400 b				55
56	52.9	188.1	88,600	61.3	192.8	94,000 b	67.2	194.9	98,000 c	56
60	48.7	184.9	83,700	57.5	190.5	88,600 b	63.6	193.1	92,400 b	60
65	43.0	180.1	78,100	52.5	187.0	82,600	58.9	190.3	83,900 b	65
70	36.6	174.0	73,100	47.2	182.8	77,000	54.0	187.0	76,600	70
72	33.5	170.9	71,300	44.8	180.7	75,100	51.9	185.4	74,100	72
75	29.0	166.3	68,600	41.3	177.7	72,100	48.8	183.0	70,300	75
80	18.9	155.0	59,800	34.7	171.3	67,100	43.1	178.2	65,000	80
83	8.5	142.7	49,500	29.8	166.2	64,200	39.2	174.6	62,200	83
85				26.6	162.8	62,300	36.7	172.2	60,300	85
87				22.0	157.6	60,600	33.7	169.1	58,600	87
90				15.1	149.7	58,000	29.1	164.4	56,200	90
92				6.3	139.1	50,400	25.1	160.0	54,700	92
95							19.1	153.3	52,500	95
98							9.0	141.3	50,400	98
100										100
102										102
105										105
109										109
110										110
115										115
119										119
120										120
125										125
129										129

MLC200 S-3

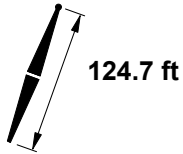
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32										32
35										35
40										40
45										45
46										46
50										50
55										55
56										56
60										60
65										65
70										70
72	62.3	189.8	69,800 b							72
75	59.5	188.1	66,400 b							75
80	54.6	184.9	61,300							80
83	51.5	182.5	58,700							83
85	49.4	181.0	56,900							85
87	47.1	179.1	55,400	57.9	183.6	52,100 b				87
90	43.8	176.2	53,100	54.9	181.6	49,900				90
92	41.2	173.9	51,700	52.8	180.1	48,600				92
95	37.5	170.4	49,600	49.7	177.8	46,700				95
98	33.0	165.9	47,800	46.4	175.0	45,000				98
100	30.1	162.9	46,500	44.1	173.1	43,800				100
102	26.3	158.7	45,400	41.6	170.8	42,800	52.9	175.8	40,100	102
105	20.5	152.3	43,700	37.9	167.3	41,200	49.7	173.4	38,700	105
109	6.4	135.6	41,600	32.1	161.5	39,300	45.2	169.7	36,900	109
110				30.6	160.0	38,900	44.1	168.7	36,500	110
115				21.2	149.7	36,700	37.9	163.0	34,500	115
119				8.4	134.6	35,000	32.0	157.1	33,000	119
120							30.6	155.6	32,700	120
125							21.2	145.3	30,900	125
129							8.3	130.1	29,600	129

MLC200 S-3

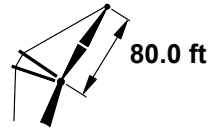
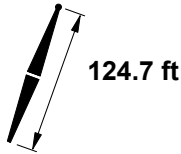
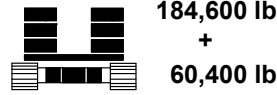
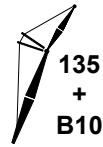
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	74.6	209.5	92,400 d							35
40	70.9	207.9	92,200 c							40
45	67.0	206.0	91,900 b							45
49	63.9	204.1	88,700 b	70.6	206.9	93,300 c				49
50	63.1	203.7	87,900 b	69.8	206.5	93,300 c				50
55	59.0	200.9	84,300	66.0	204.5	91,500 b				55
59	55.6	198.3	81,600	62.8	202.5	86,600 b	67.9	204.5	89,800 b	59
60	54.7	197.6	80,900	62.0	202.1	85,400 b	67.1	204.0	88,600 b	60
65	50.2	193.8	75,800	57.9	199.2	79,800	63.2	201.7	82,800 b	65
70	45.3	189.3	71,200	53.5	195.8	74,800	59.1	199.0	76,300	70
75	40.1	183.8	67,000	48.9	191.7	70,200	54.8	195.7	70,000	75
76	38.9	182.5	66,200	47.9	190.8	69,400	53.9	194.9	69,000	76
80	34.1	177.2	63,100	44.0	187.0	66,100	50.3	191.9	64,700	80
85	27.1	168.8	59,100	38.5	181.3	62,100	45.4	187.4	60,100	85
90	17.7	156.6	51,700	32.4	174.3	57,900	40.2	182.0	56,000	90
93	8.0	143.4	43,200	27.9	168.8	55,700	36.6	178.0	53,800	93
95				24.9	165.1	54,100	34.2	175.4	52,400	95
100				14.1	151.0	50,700	27.2	167.0	49,100	100
102				5.9	139.7	44,200	23.5	162.1	47,900	102
105							17.9	154.9	46,200	105
108							8.4	142.1	44,500	108
110										110
115										115
119										119
120										120
125										125
129										129
130										130
135										135
139										139

MLC200 S-3

ASME B30.5



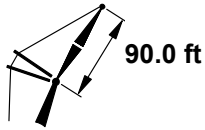
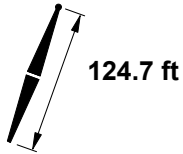
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35										35
40										40
45										45
49										49
50										50
55										55
59										59
60										60
65										65
70										70
75										75
76	62.8	199.0	64,900 b							76
80	59.5	196.8	61,000							80
85	55.3	193.6	56,600							85
90	50.8	189.8	52,700							90
93	47.9	187.1	50,700	57.3	191.7	47,600				93
95	46.0	185.4	49,300	55.6	190.3	46,300				95
100	40.8	180.1	46,300	51.1	186.6	43,500				100
102	38.5	177.5	45,200	49.2	184.8	42,400				102
105	35.0	173.7	43,600	46.3	182.2	40,900				105
108	30.9	168.8	42,100	43.2	179.1	39,500	52.9	183.8	37,000	108
110	28.1	165.5	41,100	41.1	177.0	38,600	51.1	182.2	36,100	110
115	19.2	154.1	38,800	35.4	170.6	36,500	46.3	177.8	34,100	115
119	6.0	136.2	37,000	29.9	164.2	34,900	42.1	173.7	32,700	119
120				28.6	162.6	34,500	41.1	172.6	32,300	120
125				19.9	151.5	32,700	35.3	166.3	30,700	125
129				7.9	135.3	31,300	29.9	159.8	29,400	129
130							28.6	158.2	29,100	130
135							19.8	147.1	27,700	135
139							7.7	130.8	26,500	139

MLC200 S-3

ASME B30.5



184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	74.4	219.0	83,900 c							38
40	73.1	218.4	83,800 c							40
45	69.7	216.8	82,700 b							45
50	66.3	214.7	79,200 b							50
52	64.8	213.8	77,800 b	70.8	216.4	84,300 c				52
55	62.7	212.4	75,900	68.8	215.3	82,200 b				55
60	59.1	209.6	72,800	65.3	213.2	78,900 b				60
63	56.8	207.6	71,200	63.2	211.7	77,000 b	67.7	213.6	81,100 b	63
65	55.3	206.4	70,100	61.8	210.7	75,800	66.3	212.8	79,800 b	65
70	51.3	202.6	67,500	58.1	207.8	72,800	62.8	210.4	75,800	70
75	47.1	198.3	65,100	54.3	204.5	69,100	59.2	207.6	69,900	75
80	42.6	193.3	62,400	50.2	200.6	65,200	55.4	204.4	64,500	80
81	41.6	192.1	61,800	49.4	199.7	64,500	54.6	203.7	63,600	81
85	37.7	187.4	59,100	46.0	196.1	61,600	51.4	200.7	59,900	85
90	32.1	180.2	54,600	41.3	190.9	57,800	47.2	196.4	55,800	90
95	25.5	171.1	50,700	36.3	184.7	54,100	42.7	191.4	52,200	95
98	20.2	163.3	47,800	32.8	180.1	52,100	39.7	187.8	50,300	98
100	16.6	158.1	45,900	30.5	177.1	50,800	37.8	185.5	49,000	100
103	7.5	144.1	38,600	26.2	171.2	49,000	34.4	181.2	47,300	103
105				23.4	167.2	47,800	32.2	178.3	46,100	105
110				13.3	152.2	45,000	25.6	169.3	43,500	110
112				5.6	140.2	39,600	22.1	164.2	42,600	112
114							18.6	159.0	41,600	114
115							16.9	156.4	41,100	115
118							7.9	142.8	39,700	118
120										120
125										125
129										129
130										130
135										135
139										139
140										140
145										145
149										149

MLC200 S-3

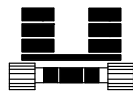
ASME B30.5



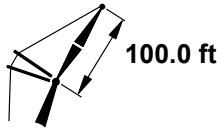
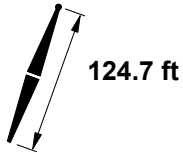
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38										38
40										40
45										45
50										50
52										52
55										55
60										60
63										63
65										65
70										70
75										75
80										80
81	62.5	207.6	59,800							81
85	59.6	205.4	56,400							85
90	55.8	202.3	52,500							90
95	51.9	198.6	49,100							95
98	49.4	196.1	47,300	57.6	200.3	44,400				98
100	47.7	194.4	46,100	56.1	199.0	43,300				100
103	45.0	191.4	44,500	53.7	196.8	41,700				103
105	43.2	189.5	43,400	52.1	195.4	40,700				105
110	38.4	183.7	41,000	48.0	191.2	38,400				110
112	36.2	180.9	40,100	46.2	189.3	37,600				112
114	34.0	178.1	39,200	44.4	187.3	36,700	52.9	191.8	34,300	114
115	32.9	176.7	38,700	43.5	186.3	36,300	52.1	191.0	33,900	115
118	29.0	171.4	37,500	40.6	182.9	35,200	49.6	188.5	32,900	118
120	26.5	167.9	36,700	38.7	180.6	34,400	48.0	186.8	32,100	120
125	18.1	155.7	34,800	33.3	173.7	32,600	43.5	182.0	30,500	125
129	5.7	136.7	33,300	28.2	166.8	31,300	39.6	177.4	29,300	129
130				26.9	165.1	31,000	38.7	176.2	29,000	130
135				18.7	153.2	29,500	33.2	169.3	27,600	135
139				7.4	136.0	28,300	28.2	162.4	26,500	139
140							26.9	160.7	26,300	140
145							18.7	148.8	25,000	145
149							7.3	131.4	24,000	149

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ASME B30.5



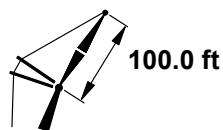
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	74.8	228.9	76,900 c							40
45	71.8	227.4	76,400 b							45
50	68.8	225.6	73,900 b							50
55	65.7	223.5	70,700	71.0	226.0	76,600 b				55
60	62.5	221.0	67,700	67.9	224.1	73,500 b				60
65	59.2	218.2	65,000	64.8	221.9	70,500				65
67	57.8	217.0	63,900	63.5	220.9	69,300	67.6	222.8	73,000 b	67
70	55.8	215.0	62,300	61.6	219.4	67,600	65.7	221.5	71,300	70
75	52.2	211.4	59,900	58.3	216.5	64,800	62.5	219.1	68,500	75
80	48.5	207.3	57,600	54.9	213.2	62,300	59.2	216.3	64,200	80
85	44.6	202.5	55,500	51.3	209.4	59,900	55.9	213.1	59,600	85
90	40.3	197.1	53,600	47.5	205.2	57,300	52.3	209.5	55,500	90
95	35.7	190.7	50,400	43.5	200.2	53,900	48.6	205.4	51,900	95
100	30.4	183.0	47,000	39.1	194.5	50,600	44.7	200.6	48,800	100
103	26.7	177.2	45,200	36.3	190.5	48,800	42.1	197.4	47,000	103
105	24.2	173.3	43,900	34.3	187.8	47,600	40.4	195.2	45,900	105
110	15.8	159.6	40,900	28.9	179.7	44,900	35.8	188.8	43,300	110
113	7.1	144.7	34,600	24.9	173.4	43,400	32.6	184.2	41,900	113
115				22.2	169.3	42,400	30.5	181.2	40,900	115
120				12.6	153.3	40,200	24.3	171.5	38,800	120
122				5.3	140.6	35,600	21.0	166.1	38,000	122
125							16.0	157.9	36,800	125
128							7.5	143.5	35,600	128
130										130
135										135
139										139
140										140
145										145
149										149
150										150
155										155
159										159

MLC200 S-3

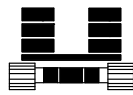
ASME B30.5



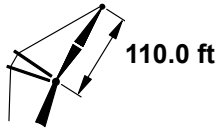
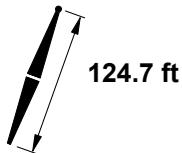
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
67										67
70										70
75										75
80										80
85	62.9	216.8	56,000							85
90	59.6	214.1	52,200							90
95	56.3	211.0	48,800							95
100	52.7	207.4	45,800							100
103	50.5	204.9	44,200	57.8	209.0	41,300				103
105	49.0	203.3	43,100	56.5	207.7	40,300				105
110	45.1	198.7	40,600	53.0	204.2	38,000				110
113	42.6	195.5	39,300	50.7	201.7	36,800				113
115	40.9	193.3	38,400	49.3	200.1	35,900				115
120	36.3	187.1	36,400	45.4	195.5	34,100	52.9	199.8	31,700	120
122	34.3	184.1	35,700	43.7	193.4	33,400	51.5	198.2	31,100	122
125	31.2	179.6	34,600	41.2	190.2	32,300	49.3	195.8	30,100	125
128	27.5	174.0	33,500	38.5	186.5	31,400	46.9	193.0	29,200	128
130	25.1	170.2	32,800	36.6	184.0	30,700	45.4	191.2	28,600	130
135	17.1	157.3	31,200	31.5	176.6	29,200	41.2	185.8	27,200	135
139	5.4	137.2	30,000	26.7	169.3	28,100	37.5	180.9	26,200	139
140				25.5	167.4	27,900	36.6	179.6	25,900	140
145				17.7	154.8	26,600	31.5	172.2	24,700	145
149				7.0	136.6	25,500	26.7	164.9	23,800	149
150							25.5	163.0	23,600	150
155							17.7	150.4	22,600	155
159							6.9	132.0	21,700	159

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ASME B30.5



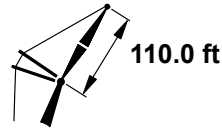
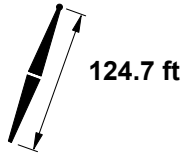
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43	74.6	238.4	70,600 c							43
45	73.5	237.8	70,400 b							45
50	70.8	236.2	68,700 b							50
55	68.0	234.3	66,200							55
59	65.7	232.6	64,300	70.6	235.2	68,700 b				59
60	65.2	232.2	63,800	70.0	234.8	68,200 b				60
65	62.2	229.7	61,600	67.2	232.9	65,900				65
70	59.3	226.9	59,500	64.4	230.6	63,700				70
71	58.6	226.3	59,100	63.8	230.1	63,200	67.5	232.0	66,000	71
75	56.2	223.7	57,400	61.5	228.1	61,600	65.2	230.2	64,200	75
80	53.0	220.2	55,400	58.4	225.2	59,500	62.3	227.7	62,200	80
85	49.6	216.2	53,400	55.3	221.9	57,500	59.3	225.0	59,500	85
90	46.1	211.7	51,500	52.1	218.2	55,400	56.2	221.8	55,500	90
95	42.4	206.5	49,700	48.7	214.1	53,400	53.0	218.3	51,900	95
100	38.4	200.6	48,200	45.2	209.4	50,500	49.7	214.3	48,700	100
105	34.0	193.8	44,900	41.4	204.1	47,600	46.2	209.8	45,900	105
109	30.0	187.3	42,500	38.1	199.2	45,500	43.2	205.7	43,800	109
110	29.0	185.6	41,900	37.2	198.0	44,900	42.5	204.6	43,300	110
115	23.0	175.4	39,200	32.7	190.9	42,500	38.5	198.8	41,000	115
120	15.0	160.9	36,600	27.5	182.2	40,300	34.1	192.0	38,800	120
123	6.8	145.3	30,900	23.7	175.6	39,100	31.1	187.1	37,700	123
125				21.2	171.2	38,300	29.1	183.8	36,900	125
126				19.3	167.8	37,800	27.9	181.8	36,500	126
130				12.1	154.4	36,000	23.2	173.6	35,100	130
132				5.0	141.1	31,900	20.0	167.9	34,400	132
135							15.2	159.3	33,400	135
138							7.2	144.1	32,400	138
140										140
145										145
149										149
150										150
155										155
159										159
160										160
165										165
169										169

MLC200 S-3

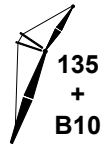
ASME B30.5



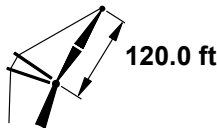
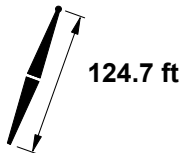
	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
43									43	
45									45	
50									50	
55									55	
59									59	
60									60	
65									65	
70									70	
71									71	
75									75	
80									80	
85									85	
90	62.6	225.5	52,100						90	
95	59.7	222.7	48,700						95	
100	56.6	219.6	45,700						100	
105	53.4	216.1	43,000						105	
109	50.8	213.0	41,100	57.4	217.0	38,400			109	
110	50.1	212.2	40,600	56.8	216.4	38,000			110	
115	46.6	207.8	38,400	53.6	212.9	35,900			115	
120	42.9	202.7	36,400	50.3	209.0	34,000			120	
123	40.5	199.2	35,300	48.2	206.4	33,000			123	
125	38.9	196.9	34,600	46.8	204.6	32,300			125	
126	38.1	195.6	34,200	46.1	203.6	32,000	53.0	207.8	29,800	126
130	34.6	190.3	32,900	43.2	199.6	30,700	50.3	204.6	28,600	130
132	32.6	187.1	32,300	41.6	197.3	30,100	48.9	202.9	28,000	132
135	29.7	182.3	31,300	39.2	193.9	29,300	46.8	200.2	27,200	135
138	26.2	176.3	30,400	36.6	189.9	28,400	44.6	197.2	26,500	138
140	23.9	172.4	29,900	34.9	187.2	27,900	43.1	195.2	25,900	140
145	16.3	158.7	28,500	30.0	179.4	26,600	39.2	189.5	24,800	145
149	5.1	137.6	27,400	25.5	171.6	25,700	35.7	184.2	23,900	149
150				24.3	169.6	25,400	34.9	182.9	23,700	150
155				16.9	156.3	24,300	30.0	175.0	22,600	155
159				6.7	137.2	23,400	25.4	167.2	21,800	159
160							24.3	165.2	21,600	160
165							16.9	151.9	20,700	165
169							6.6	132.6	20,000	169

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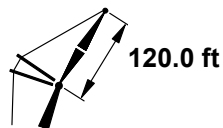
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.9	248.2	53,100 b						45	
50	72.4	246.8	52,000 b						50	
55	69.9	245.0	51,000						55	
60	67.3	243.1	50,000						60	
62	66.3	242.2	49,600	70.7	244.7	51,600			62	
65	64.7	240.9	49,100	69.2	243.6	51,100			65	
70	62.1	238.4	48,200	66.6	241.6	50,200			70	
74	59.9	236.1	47,500	64.5	239.8	49,600	67.9	241.5	50,500	
75	59.3	235.6	47,300	64.0	239.3	49,400	67.4	241.1	50,400	
80	56.5	232.4	46,500	61.3	236.7	48,600	64.8	238.9	49,600	
85	53.6	228.9	45,700	58.6	233.8	47,800	62.1	236.4	49,000	
90	50.6	225.0	44,000	55.7	230.6	47,100	59.4	233.6	48,300	
94	48.0	221.6	42,600	53.4	227.7	45,800	57.1	231.1	47,800	
95	47.4	220.7	42,300	52.8	227.0	45,500	56.6	230.5	47,600	
100	44.1	215.8	40,800	49.7	223.0	43,800	53.6	227.0	46,100	
105	40.5	210.3	39,300	46.5	218.5	42,200	50.6	223.1	44,400	
110	36.7	204.0	38,100	43.1	213.5	40,700	47.5	218.8	42,800	
114	33.3	198.2	37,100	40.2	208.9	39,600	44.8	214.9	41,100	
115	32.5	196.8	36,900	39.5	207.8	39,300	44.1	213.9	40,700	
120	27.7	188.2	35,700	35.6	201.3	38,000	40.6	208.4	38,600	
125	22.0	177.4	34,800	31.3	193.7	36,800	36.8	202.2	36,600	
130	14.4	162.2	32,700	26.3	184.6	35,800	32.6	194.9	34,800	
132	9.1	151.3	29,400	23.9	180.0	35,200	30.7	191.5	34,200	
133	6.5	145.9	27,700	22.7	177.6	35,000	29.7	189.8	33,800	
135				20.3	173.0	34,400	27.8	186.3	33,200	
140				11.5	155.4	32,200	22.2	175.6	31,600	
142				4.8	141.5	28,700	19.1	169.6	31,100	
145							14.6	160.6	30,200	
148							6.9	144.7	29,300	
150									150	
155									155	
159									159	
160									160	
165									165	
169									169	
170									170	
175									175	
179									179	

MLC200 S-3

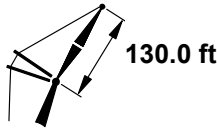
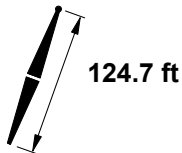
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
62										62
65										65
70										70
74										74
75										75
80										80
85										85
90										90
94	63.0	234.7	48,500							94
95	62.4	234.2	48,400							95
100	59.7	231.4	45,400							100
105	56.9	228.3	42,700							105
110	54.0	224.9	40,300							110
114	51.6	221.8	38,500	57.6	225.7	35,900				114
115	51.0	221.0	38,100	57.1	225.1	35,500				115
120	47.8	216.8	36,100	54.2	221.6	33,700				120
125	44.5	212.0	34,300	51.2	217.8	31,900				125
130	41.0	206.5	32,600	48.0	213.6	30,400				130
132	39.5	204.1	32,000	46.7	211.7	29,800	53.0	215.8	27,600	132
133	38.7	202.8	31,700	46.1	210.7	29,500	52.4	215.0	27,400	133
135	37.2	200.4	31,000	44.7	208.8	28,900	51.2	213.5	26,800	135
140	33.1	193.3	29,600	41.2	203.4	27,600	48.0	209.2	25,600	140
142	31.2	189.9	29,100	39.7	201.0	27,100	46.7	207.3	25,100	142
145	28.4	184.9	28,300	37.5	197.3	26,300	44.7	204.4	24,400	145
148	25.1	178.6	27,500	35.0	193.1	25,600	42.6	201.2	23,700	148
150	22.9	174.5	27,000	33.3	190.3	25,100	41.2	199.1	23,300	150
155	15.6	160.1	25,800	28.7	182.0	24,000	37.4	193.0	22,300	155
159	4.9	138.1	24,900	24.4	173.8	23,200	34.1	187.3	21,500	159
160				23.3	171.7	23,000	33.3	185.9	21,300	160
165				16.2	157.8	22,000	28.7	177.6	20,400	165
169				6.4	137.8	21,200	24.3	169.4	19,700	169
170							23.2	167.3	19,600	170
175							16.1	153.4	18,700	175
179							6.3	133.2	18,100	179

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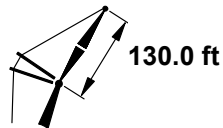
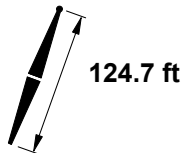
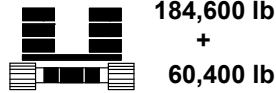
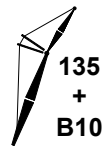
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
48	74.7	257.8	49,400 b						48	
50	73.8	257.2	49,000 b						50	
55	71.5	255.6	48,100						55	
60	69.2	253.9	47,200						60	
65	66.8	251.8	46,400	70.9	254.3	48,000			65	
70	64.4	249.6	45,600	68.5	252.4	47,200			70	
75	61.9	247.0	44,800	66.1	250.3	46,500			75	
78	60.4	245.3	44,100	64.7	248.9	46,100	67.8	250.7	46,800	78
80	59.4	244.2	43,700	63.7	248.0	45,800	66.8	249.9	46,600	80
85	56.8	241.1	42,000	61.2	245.4	45,200	64.4	247.6	46,000	85
90	54.1	237.7	40,500	58.7	242.5	43,500	62.0	245.1	45,400	90
95	51.3	233.9	39,000	56.1	239.3	41,900	59.4	242.3	44,000	95
99	49.0	230.5	37,800	53.9	236.5	40,700	57.3	239.8	42,800	99
100	48.5	229.6	37,500	53.4	235.8	40,400	56.8	239.2	42,500	100
105	45.4	225.0	36,200	50.6	231.8	38,900	54.2	235.7	40,900	105
110	42.3	219.8	34,900	47.7	227.5	37,500	51.4	231.9	39,400	110
115	38.9	213.9	33,600	44.6	222.7	36,100	48.5	227.7	38,000	115
119	35.9	208.6	32,700	42.0	218.4	35,100	46.1	224.0	36,900	119
120	35.2	207.3	32,500	41.4	217.3	34,800	45.5	223.1	36,600	120
125	31.2	199.6	31,400	37.9	211.3	33,600	42.3	217.9	35,300	125
130	26.6	190.6	30,500	34.2	204.4	32,500	38.9	212.0	34,100	130
135	21.2	179.3	29,700	30.0	196.5	31,400	35.3	205.4	33,000	135
138	16.8	169.8	29,300	27.2	190.7	30,800	32.9	200.8	32,100	138
140	13.8	163.4	29,000	25.3	186.9	30,400	31.3	197.8	31,500	140
143	6.2	146.5	24,800	21.8	179.6	30,000	28.5	192.4	30,700	143
145				19.5	174.7	29,700	26.7	188.8	30,100	145
150				11.1	156.4	28,800	21.3	177.5	28,800	150
152				4.6	141.9	25,800	18.4	171.2	28,300	152
155							14.0	161.8	27,500	155
158							6.6	145.3	26,800	158
160										160
165										165
169										169
170										170
175										175
179										179
180										180
185										185
189										189

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ASME B30.5



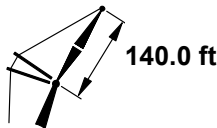
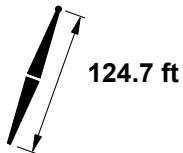
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
48										48
50										50
55										55
60										60
65										65
70										70
75										75
78										78
80										80
85										85
90										90
95										95
99	62.7	243.4	44,900							99
100	62.2	242.8	44,800							100
105	59.7	240.1	42,500							105
110	57.1	237.0	40,000							110
115	54.5	233.6	37,900							115
119	52.3	230.6	36,300	57.8	234.4	33,800				119
120	51.7	229.8	35,900	57.3	233.7	33,400				120
125	48.8	225.7	34,000	54.6	230.4	31,700				125
130	45.8	221.1	32,400	51.9	226.6	30,100				130
135	42.7	215.9	30,800	49.0	222.5	28,700				135
138	40.7	212.5	30,000	47.2	219.8	27,900	53.0	223.8	25,800	138
140	39.3	210.2	29,400	46.0	217.9	27,300	51.9	222.3	25,300	140
143	37.2	206.3	28,600	44.2	214.9	26,600	50.2	219.8	24,600	143
145	35.7	203.7	28,100	42.9	212.8	26,100	49.0	218.1	24,200	145
150	31.7	196.2	26,800	39.5	207.1	24,900	46.0	213.6	23,100	150
152	29.9	192.7	26,400	38.1	204.5	24,500	44.8	211.5	22,700	152
155	27.3	187.4	25,700	35.9	200.7	23,900	42.9	208.5	22,100	155
158	24.1	180.8	25,000	33.6	196.2	23,200	40.9	205.0	21,500	158
160	22.0	176.4	24,600	32.0	193.2	22,800	39.5	202.7	21,100	160
165	15.0	161.5	23,600	27.6	184.5	21,900	35.9	196.3	20,200	165
169	4.7	138.5	22,700	23.4	175.9	21,200	32.8	190.3	19,600	169
170				22.3	173.8	21,000	32.0	188.9	19,400	170
175				15.5	159.2	20,100	27.5	180.1	18,600	175
179				6.2	138.3	19,400	23.3	171.5	18,000	179
180							22.3	169.3	17,800	180
185							15.5	154.7	17,100	185
189							6.1	133.7	16,500	189

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ASME B30.5



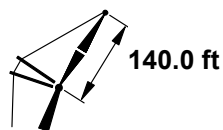
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	74.6	267.3	45,800 b						51	
55	72.9	266.1	45,100						55	
60	70.7	264.5	44,300						60	
65	68.5	262.6	43,500						65	
69	66.8	261.0	42,900	70.6	263.5	44,300			69	
70	66.3	260.6	42,700	70.1	263.1	44,200			70	
75	64.1	258.3	41,600	67.9	261.2	43,500			75	
80	61.8	255.7	40,000	65.7	259.1	42,900			80	
82	60.8	254.6	39,300	64.8	258.1	42,300	67.7	259.9	43,200	82
85	59.4	252.9	38,400	63.5	256.7	41,300	66.4	258.6	42,900	85
90	57.0	249.8	36,900	61.1	254.1	39,800	64.1	256.3	41,700	90
95	54.5	246.4	35,400	58.8	251.2	38,200	61.8	253.8	40,200	95
100	52.0	242.6	34,000	56.4	248.0	36,700	59.5	250.9	38,700	100
103	50.4	240.2	33,200	54.9	245.9	35,900	58.0	249.1	37,800	103
105	49.3	238.5	32,600	53.9	244.5	35,300	57.1	247.8	37,200	105
110	46.6	234.0	31,400	51.3	240.7	33,900	54.6	244.4	35,800	110
115	43.7	229.1	30,100	48.6	236.5	32,600	52.0	240.7	34,400	115
120	40.6	223.5	29,000	45.8	231.8	31,200	49.4	236.6	33,000	120
124	38.0	218.6	28,100	43.5	227.7	30,300	47.2	233.0	32,000	124
125	37.4	217.4	27,800	42.9	226.7	30,000	46.6	232.1	31,800	125
130	33.9	210.4	26,800	39.8	221.0	28,900	43.8	227.2	30,500	130
135	30.0	202.4	25,800	36.5	214.7	27,800	40.7	221.7	29,300	135
140	25.6	192.9	24,900	32.9	207.4	26,700	37.5	215.5	28,200	140
144	21.4	183.5	24,300	29.7	200.7	25,900	34.7	209.9	27,300	144
145	20.4	181.1	24,100	28.9	199.1	25,700	34.0	208.5	27,100	145
150	13.3	164.6	23,500	24.3	189.1	24,900	30.1	200.5	26,100	150
153	6.0	147.0	22,200	21.0	181.5	24,400	27.5	194.9	25,600	153
155				18.7	176.4	24,100	25.7	191.1	25,300	155
160				10.7	157.4	23,500	20.5	179.4	24,400	160
162				4.5	142.3	23,200	17.7	172.8	24,200	162
165							13.5	163.0	23,800	165
168							6.4	145.9	23,600	168
170										170
175										175
179										179
180										180
185										185
189										189
190										190
195										195
199										199

MLC200 S-3

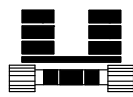
ASME B30.5



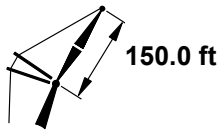
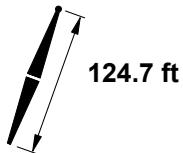
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51										51
55										55
60										60
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69										69
70										70
75										75
80										80
82										82
85										85
90										90
95										95
100										100
103	63.0	252.6	40,500							103
105	62.1	251.5	39,900							105
110	59.7	248.7	38,600							110
115	57.3	245.7	37,200							115
120	54.9	242.3	35,500							120
124	52.8	239.4	34,100	58.0	243.0	31,600				124
125	52.3	238.6	33,700	57.5	242.4	31,300				125
130	49.7	234.6	32,000	55.0	239.1	29,800				130
135	47.0	230.1	30,500	52.5	235.4	28,300				135
140	44.1	225.2	29,100	49.9	231.4	27,000				140
144	41.7	220.9	28,000	47.7	227.8	26,000	53.0	231.8	24,000	144
145	41.1	219.8	27,800	47.1	227.0	25,700	52.5	231.0	23,800	145
150	37.8	213.7	26,500	44.3	222.1	24,600	49.9	227.0	22,700	150
153	35.8	209.6	25,900	42.5	218.8	23,900	48.2	224.4	22,100	153
155	34.4	206.8	25,400	41.3	216.7	23,500	47.1	222.6	21,700	155
160	30.6	199.0	24,300	38.1	210.6	22,500	44.3	217.7	20,700	160
162	28.8	195.3	23,900	36.7	207.9	22,100	43.0	215.5	20,400	162
165	26.3	189.7	23,300	34.6	203.8	21,600	41.2	212.3	19,900	165
168	23.2	182.9	22,700	32.3	199.2	21,000	39.3	208.7	19,400	168
170	21.2	178.3	22,400	30.8	196.1	20,700	38.0	206.3	19,000	170
175	14.5	162.8	21,400	26.5	186.9	19,800	34.6	199.5	18,300	175
179	4.5	138.9	20,700	22.5	177.9	19,200	31.5	193.2	17,700	179
180				21.5	175.7	19,000	30.8	191.7	17,500	180
185				15.0	160.5	18,300	26.5	182.5	16,800	185
189				5.9	138.8	17,600	22.5	173.5	16,300	189
190							21.5	171.3	16,100	190
195							14.9	156.1	15,500	195
199							5.8	134.2	14,900	199

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ASME B30.5



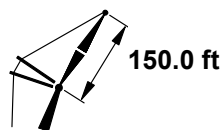
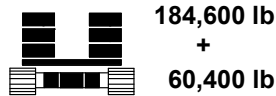
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	74.8	277.1	42,500							53
55	74.1	276.6	42,200							55
60	72.1	275.1	41,400							60
65	70.0	273.3	40,800							65
70	68.0	271.4	39,900							70
72	67.2	270.6	39,300	70.7	273.0	41,100				72
75	65.9	269.3	38,300	69.5	271.9	40,700				75
80	63.8	266.9	36,800	67.4	269.9	39,500				80
85	61.7	264.4	35,300	65.3	267.8	38,100				85
86	61.2	263.8	35,000	64.9	267.3	37,700	67.6	269.0	39,500	86
90	59.5	261.5	33,800	63.2	265.4	36,500	66.0	267.3	38,300	90
95	57.2	258.5	32,500	61.1	262.7	35,100	63.8	265.0	36,900	95
100	54.9	255.1	31,100	58.9	259.8	33,700	61.7	262.4	35,500	100
105	52.5	251.4	29,700	56.6	256.7	32,300	59.5	259.6	34,100	105
108	51.1	249.0	29,000	55.2	254.6	31,400	58.2	257.7	33,300	108
110	50.1	247.4	28,500	54.3	253.2	30,900	57.3	256.5	32,700	110
115	47.6	243.0	27,300	51.9	249.5	29,700	55.0	253.2	31,400	115
120	44.9	238.3	26,100	49.4	245.4	28,300	52.6	249.5	30,100	120
125	42.1	233.0	25,000	46.9	240.9	27,200	50.1	245.5	28,800	125
130	39.2	227.2	24,000	44.2	236.0	26,000	47.6	241.1	27,600	130
135	36.1	220.7	23,000	41.4	230.6	24,900	45.0	236.4	26,400	135
140	32.7	213.4	22,000	38.4	224.6	23,900	42.2	231.1	25,300	140
145	29.0	205.0	21,100	35.2	217.9	22,900	39.3	225.3	24,300	145
150	24.7	195.1	20,300	31.7	210.3	21,900	36.1	218.8	23,200	150
155	19.7	182.9	19,600	27.9	201.6	21,100	32.8	211.5	22,300	155
160	12.9	165.8	19,100	23.5	191.2	20,300	29.0	203.2	21,400	160
163	5.8	147.5	18,900	20.3	183.3	19,800	26.5	197.3	20,900	163
165				18.1	178.0	19,500	24.8	193.3	20,600	165
170				10.3	158.3	19,000	19.8	181.2	19,800	170
172				4.3	142.7	18,900	17.1	174.4	19,600	172
175							13.0	164.2	19,200	175
178							6.2	146.4	19,000	178
180										180
185										185
189										189
190										190
195										195
199										199
200										200
205										205
209										209

MLC200 S-3

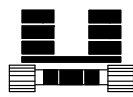
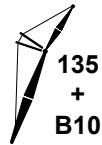
ASME B30.5



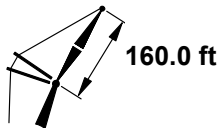
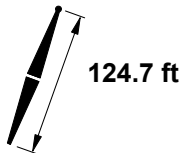
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
53										53
55										55
60										60
65										65
70										70
72										72
75										75
80										80
85										85
86										86
90										90
95										95
100										100
105										105
108	62.8	261.2	35,800							108
110	61.9	260.2	35,300							110
115	59.8	257.4	34,000							115
120	57.5	254.3	32,700							120
125	55.2	251.0	31,400							125
130	52.9	247.4	30,200	57.7	251.1	29,700				130
135	50.4	243.4	28,900	55.4	247.8	28,200				135
140	47.9	239.1	27,800	53.0	244.2	26,900				140
145	45.3	234.4	26,600	50.6	240.2	25,700				145
150	42.5	229.2	25,500	48.1	235.9	24,500	53.0	239.8	22,600	150
155	39.6	223.4	24,400	45.4	231.2	23,400	50.6	235.9	21,600	155
160	36.5	217.1	23,500	42.7	226.1	22,400	48.1	231.6	20,700	160
163	34.5	212.7	22,900	41.0	222.6	21,900	46.5	228.7	20,100	163
165	33.2	209.9	22,500	39.8	220.4	21,500	45.4	226.9	19,800	165
170	29.5	201.7	21,600	36.7	214.0	20,600	42.7	221.7	19,000	170
172	27.8	197.8	21,300	35.4	211.2	20,300	41.5	219.4	18,700	172
175	25.4	192.0	20,800	33.4	206.9	19,800	39.8	216.0	18,200	175
178	22.4	184.9	20,300	31.2	202.0	19,300	37.9	212.2	17,700	178
180	20.4	180.2	20,000	29.7	198.8	19,000	36.7	209.6	17,500	180
185	14.0	164.0	19,400	25.6	189.2	18,300	33.4	202.5	16,800	185
189	4.4	139.3	19,100	21.7	179.9	17,700	30.5	196.0	16,200	189
190				20.8	177.6	17,500	29.7	194.4	16,100	190
195				14.5	161.8	16,800	25.6	184.8	15,500	195
199				5.7	139.4	16,300	21.7	175.5	15,000	199
200							20.8	173.1	14,900	200
205							14.4	157.4	14,300	205
209							5.6	134.7	13,800	209

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ASME B30.5



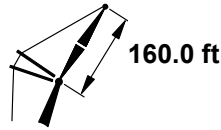
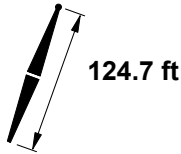
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	74.7	286.7	39,200							56
60	73.2	285.5	38,600							60
65	71.3	283.9	37,900							65
70	69.4	282.1	36,500							70
75	67.5	280.2	35,000	70.8	282.6	37,500				75
80	65.6	278.0	33,500	68.9	280.7	36,100				80
85	63.6	275.6	32,100	67.0	278.7	34,700				85
89	62.0	273.5	30,900	65.4	276.9	33,600	67.9	278.6	35,200	89
90	61.6	273.0	30,700	65.0	276.5	33,300	67.5	278.2	34,900	90
95	59.5	270.2	29,300	63.0	274.0	31,800	65.6	276.0	33,600	95
100	57.4	267.1	28,000	61.0	271.4	30,500	63.6	273.7	32,200	100
105	55.2	263.8	26,700	58.9	268.5	29,100	61.6	271.1	30,900	105
110	53.0	260.2	25,500	56.8	265.3	27,800	59.5	268.3	29,500	110
113	51.7	257.8	24,800	55.5	263.3	27,100	58.3	266.4	28,700	113
115	50.8	256.3	24,300	54.7	261.9	26,600	57.4	265.2	28,200	115
120	48.4	252.0	23,200	52.4	258.2	25,300	55.3	261.9	26,900	120
125	46.0	247.4	22,100	50.1	254.2	24,100	53.1	258.3	25,700	125
130	43.4	242.3	21,000	47.8	249.9	23,000	50.8	254.3	24,500	130
135	40.7	236.8	20,000	45.3	245.1	21,900	48.4	250.1	23,400	135
140	37.9	230.7	19,100	42.7	240.0	20,900	46.0	245.5	22,300	140
145	34.9	223.9	18,200	40.0	234.3	19,900	43.5	240.4	21,200	145
150	31.6	216.3	17,300	37.1	228.0	19,000	40.8	234.9	20,200	150
155	28.0	207.5	16,500	34.1	221.0	18,100	38.0	228.8	19,300	155
157	26.4	203.4	16,200	32.7	217.9	17,700	36.8	226.1	18,900	157
160	23.9	197.3	15,800	30.7	213.1	17,200	35.0	222.0	18,400	160
165	19.1	184.6	15,200	27.0	204.0	16,400	31.7	214.4	17,500	165
170	12.5	166.9	14,300	22.7	193.3	15,700	28.1	205.7	16,700	170
173	5.6	148.0	13,800	19.6	185.1	15,300	25.7	199.6	16,300	173
175				17.5	179.6	15,000	24.0	195.5	16,000	175
180				10.0	159.2	14,100	19.2	182.9	15,300	180
182				4.2	143.1	13,800	16.5	175.8	14,900	182
185							12.6	165.3	14,400	185
188							6.0	146.9	13,900	188
190										190
195										195
199										199
200										200
205										205
209										209
210										210
215										215
219										219

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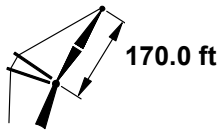
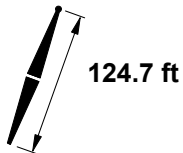
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
70										70
75										75
80										80
85										85
89										89
90										90
95										95
100										100
105										105
110										110
113	62.6	269.9	31,200							113
115	61.8	268.8	30,700							115
120	59.8	266.1	29,500							120
125	57.7	263.0	28,300							125
130	55.5	259.7	27,000							130
135	53.3	256.1	25,800	57.8	259.8	27,900				135
140	51.1	252.3	24,700	55.7	256.5	26,500				140
145	48.7	248.0	23,600	53.5	252.9	25,300				145
150	46.3	243.5	22,400	51.2	249.1	24,200				150
155	43.8	238.5	21,400	48.9	244.9	23,100				155
157	42.7	236.3	21,000	47.9	243.0	22,700	52.6	247.0	20,800	157
160	41.1	233.0	20,400	46.5	240.3	22,100	51.2	244.7	20,300	160
165	38.3	227.0	19,400	43.9	235.3	21,200	48.9	240.5	19,400	165
170	35.3	220.3	18,600	41.3	229.9	20,300	46.4	235.9	18,600	170
173	33.4	215.8	18,100	39.6	226.3	19,800	44.9	233.0	18,100	173
175	32.1	212.8	17,700	38.5	223.9	19,500	43.9	231.0	17,800	175
180	28.5	204.2	16,900	35.5	217.3	18,600	41.3	225.5	17,100	180
182	26.9	200.2	16,600	34.2	214.3	18,300	40.1	223.1	16,800	182
185	24.5	194.2	16,100	32.3	209.8	17,800	38.5	219.5	16,400	185
188	21.7	186.9	15,700	30.2	204.8	17,300	36.7	215.6	16,000	188
190	19.8	182.0	15,500	28.8	201.4	17,000	35.5	212.9	15,800	190
195	13.5	165.2	14,500	24.8	191.5	16,200	32.3	205.5	15,100	195
199	4.2	139.6	13,900	21.0	181.8	15,700	29.5	198.7	14,700	199
200				20.1	179.4	15,600	28.8	197.0	14,500	200
205				14.0	163.1	14,700	24.8	187.1	14,000	205
209				5.6	139.9	14,000	21.0	177.4	13,500	209
210							20.1	174.9	13,400	210
215							14.0	158.6	12,900	215
219							5.5	135.2	12,500	219

MLC200 S-3

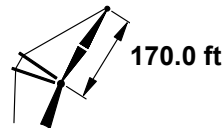
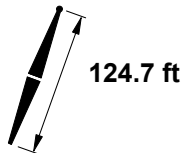
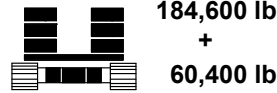
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
58	74.9	296.5	36,300						58	
60	74.2	295.9	36,000						60	
65	72.5	294.5	35,000						65	
70	70.7	292.8	33,700						70	
75	68.9	290.9	32,200						75	
78	67.8	289.7	31,400	70.9	292.1	33,800			78	
80	67.1	288.9	30,800	70.2	291.4	33,300			80	
85	65.2	286.7	29,500	68.4	289.5	31,800			85	
90	63.4	284.3	28,100	66.6	287.4	30,500			90	
93	62.2	282.7	27,300	65.5	286.1	29,700	67.8	287.8	31,300	93
95	61.5	281.7	26,800	64.7	285.2	29,200	67.1	287.0	30,800	95
100	59.5	278.9	25,600	62.9	282.7	27,900	65.3	284.8	29,500	100
105	57.5	275.8	24,300	60.9	280.0	26,600	63.4	282.4	28,200	105
110	55.5	272.5	23,200	59.0	277.1	25,400	61.5	279.7	26,900	110
115	53.5	268.9	22,000	57.0	274.0	24,100	59.6	276.9	25,700	115
117	52.6	267.4	21,600	56.2	272.7	23,700	58.8	275.7	25,200	117
120	51.3	265.1	20,900	55.0	270.6	23,000	57.6	273.9	24,500	120
125	49.1	260.9	19,900	52.9	267.0	21,800	55.6	270.6	23,300	125
130	46.9	256.4	18,900	50.7	263.1	20,700	53.5	267.0	22,200	130
135	44.5	251.5	17,900	48.5	258.8	19,700	51.4	263.2	21,100	135
140	42.1	246.2	17,000	46.2	254.2	18,700	49.2	259.0	20,000	140
145	39.5	240.4	16,100	43.9	249.2	17,700	46.9	254.5	19,000	145
150	36.7	234.0	15,200	41.4	243.8	16,800	44.6	249.6	18,100	150
155	33.8	227.0	14,400	38.8	237.9	16,000	42.1	244.3	17,100	155
160	30.7	219.1	13,700	36.0	231.3	15,100	39.5	238.5	16,300	160
163	28.6	213.6	13,200	34.2	226.9	14,700	37.9	234.7	15,800	163
165	27.2	210.0	12,800	33.0	224.0	14,300	36.8	232.2	15,400	165
170	23.2	199.4	11,900	29.8	215.8	13,500	33.9	225.1	14,600	170
175	18.5	186.2	11,100	26.2	206.4	12,600	30.7	217.2	13,900	175
180	12.1	168.0	10,200	22.0	195.2	11,700	27.3	208.2	12,900	180
183	5.5	148.5	9,900	19.0	186.8	11,200	24.9	201.8	12,300	183
185				17.0	181.1	10,900	23.3	197.6	12,000	185
190				9.7	160.0	10,100	18.6	184.5	11,200	190
192				4.1	143.4	9,900	16.0	177.3	10,900	192
195							12.2	166.4	10,400	195
198							5.8	147.5	9,900	198
200										200
205										205
209										209
210										210
215										215
219										219
220										220
225										225
229										229

MLC200 S-3

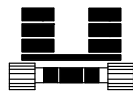
ASME B30.5



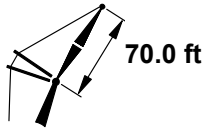
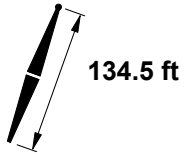
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58										58
60										60
65										65
70										70
75										75
78										78
80										80
85										85
90										90
93										93
95										95
100										100
105										105
110										110
115										115
117	62.9	279.1	27,500							117
120	61.7	277.5	26,800							120
125	59.8	274.7	25,700							125
130	57.8	271.7	24,500							130
135	55.8	268.4	23,400							135
140	53.7	264.9	22,300	57.9	268.4	24,300				140
145	51.6	261.1	21,200	55.9	265.2	23,300				145
150	49.4	256.9	20,200	53.9	261.7	22,200				150
155	47.2	252.5	19,200	51.8	257.9	21,200				155
160	44.8	247.7	18,200	49.6	253.8	20,200				160
163	43.4	244.5	17,600	48.2	251.1	19,600	52.6	255.0	19,500	163
165	42.4	242.4	17,300	47.3	249.3	19,200	51.7	253.5	19,200	165
170	39.8	236.7	16,400	45.0	244.5	18,200	49.6	249.4	18,400	170
175	37.1	230.4	15,500	42.5	239.3	17,400	47.3	245.0	17,600	175
180	34.2	223.4	14,700	40.0	233.6	16,500	45.0	240.2	16,900	180
183	32.4	218.7	14,300	38.4	229.9	16,000	43.5	237.0	16,400	183
185	31.1	215.6	14,000	37.3	227.4	15,600	42.5	234.9	16,200	185
190	27.7	206.8	13,000	34.4	220.4	14,800	40.0	229.2	15,500	190
192	26.1	202.6	12,700	33.2	217.3	14,600	38.9	226.7	15,300	192
195	23.8	196.4	12,100	31.3	212.7	14,100	37.3	223.0	14,900	195
198	21.0	188.7	11,600	29.3	207.4	13,500	35.6	218.8	14,600	198
200	19.2	183.7	11,300	27.9	203.9	13,100	34.4	216.0	14,300	200
205	13.1	166.4	10,500	24.1	193.6	12,200	31.3	208.3	13,800	205
209	4.1	140.0	10,000	20.4	183.6	11,600	28.6	201.3	13,300	209
210				19.5	181.1	11,400	27.9	199.5	13,100	210
215				13.6	164.3	10,600	24.0	189.2	12,300	215
219				5.4	140.3	10,000	20.4	179.2	11,600	219
220							19.5	176.7	11,400	220
225							13.5	159.8	10,600	225
229							5.3	135.7	10,000	229

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ASME B30.5



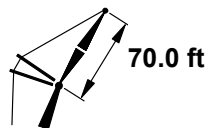
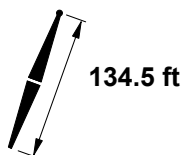
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33	74.5	209.6	98,200 d							33
35	72.8	209.0	98,100 d							35
40	68.5	207.3	98,100 c							40
45	64.0	205.1	98,100 b							45
47	62.1	204.0	97,000 b	70.5	207.2	99,300 c				47
50	59.3	202.4	95,300 b	67.9	206.0	99,300 c				50
55	54.4	199.1	88,500	63.4	203.8	94,100 b				55
57	52.4	197.5	86,100	61.5	202.7	91,500 b	67.8	204.9	95,200 c	57
60	49.2	195.2	82,500	58.7	201.0	87,500 b	65.1	203.6	91,000 c	60
65	43.6	190.4	77,000	53.8	197.7	81,500	60.5	201.0	83,100 b	65
70	37.3	184.6	72,000	48.5	193.6	76,000	55.7	197.9	75,900 b	70
74	31.3	178.5	68,400	43.9	189.7	72,100	51.6	194.9	70,900 b	74
75	29.9	177.0	67,600	42.8	188.8	71,100	50.6	194.1	69,700	75
80	20.2	166.3	61,700	36.4	182.7	66,700	45.1	189.6	64,400	80
84	5.2	148.5	47,200	30.3	176.4	62,900	40.2	185.2	60,700	84
85				28.7	174.9	62,000	39.0	184.1	59,700	85
90				18.5	163.4	57,700	31.9	177.0	55,700	90
91				14.9	159.1	55,800	30.1	175.1	54,900	91
93				7.7	150.5	51,900	26.6	171.3	53,500	93
95							23.0	167.4	52,000	95
100							7.3	149.0	48,700	100
105										105
107										107
110										110
111										111
115										115
120										120
123										123
125										125
130										130
133										133

MLC200 S-3

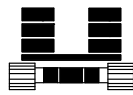
ASME B30.5



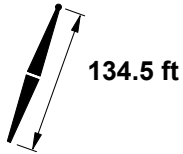
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33									33	
35									35	
40									40	
45									45	
47									47	
50									50	
55									55	
57									57	
60									60	
65									65	
70									70	
74	62.8	199.6	66,400 b						74	
75	61.9	199.0	65,300 b						75	
80	57.1	196.1	60,300 b						80	
84	53.1	193.3	56,900 b						84	
85	52.1	192.5	56,000						85	
90	46.7	188.3	52,200						90	
91	45.5	187.2	51,500	57.2	192.5	48,100 b			91	
93	43.1	185.1	50,200	55.2	191.1	46,800 b			93	
95	40.8	183.0	48,800	53.3	189.7	45,600			95	
100	34.0	176.5	45,800	48.0	185.6	42,800			100	
105	25.8	167.8	43,100	42.2	180.6	40,200			105	
107	21.0	162.2	42,100	39.6	178.1	39,300	52.0	184.1	36,600	
110	13.7	153.9	40,500	35.7	174.4	38,000	48.8	181.6	35,300	
111	9.6	149.0	40,000	34.1	172.8	37,500	47.7	180.6	34,900	
115				27.9	166.3	35,900	43.1	176.8	33,400	
120				17.2	154.3	33,900	36.7	170.8	31,600	
123				3.3	137.7	32,700	32.2	166.1	30,600	
125							29.2	163.1	30,000	
130							19.2	151.9	28,400	
133							9.1	140.0	27,500	

MLC200 S-3

ASME B30.5



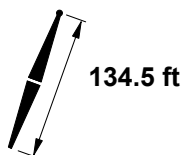
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	75.0	219.5	89,700 d							35
40	71.3	217.9	89,600 c							40
45	67.4	216.1	89,400 b							45
50	63.5	213.8	87,600 b	70.8	216.7	90,500 c				50
55	59.4	211.0	84,100	66.9	214.8	90,300 b				55
60	55.2	207.8	79,700	63.0	212.5	84,300 b				60
61	54.3	207.1	78,700	62.1	211.9	83,200 b	67.6	214.0	86,100 b	61
65	50.7	204.1	74,700	58.9	209.7	78,800	64.5	212.3	81,600 b	65
70	45.9	199.6	70,200	54.6	206.4	73,800	60.5	209.7	75,500 b	70
75	40.6	194.3	66,000	50.0	202.5	69,200	56.3	206.6	69,400	75
79	35.9	189.1	62,900	46.2	198.9	65,900	52.7	203.7	65,100	79
80	34.8	187.8	62,100	45.2	198.0	65,100	51.8	203.0	64,100	80
85	27.9	179.6	58,600	39.9	192.5	61,300	47.1	198.7	59,500	85
90	18.8	168.0	53,300	33.9	185.9	57,600	42.0	193.6	55,400	90
94	4.8	148.9	41,400	28.3	179.0	54,600	37.5	188.7	52,600	94
95				26.9	177.3	53,800	36.4	187.5	51,900	95
96				24.9	174.9	53,200	35.0	185.9	51,200	96
100				17.3	165.0	50,500	29.8	179.8	48,600	100
103				7.2	151.2	45,500	24.8	173.5	46,900	103
105							21.5	169.4	45,700	105
110							6.9	149.6	43,000	110
113										113
115										115
120										120
121										121
125										125
130										130
133										133
135										135
140										140
143										143

MLC200 S-3

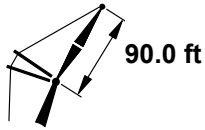
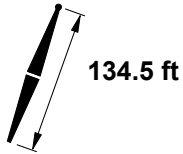
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35										35
40										40
45										45
50										50
55										55
60										60
61										61
65										65
70										70
75										75
79	62.4	208.2	60,900 b							79
80	61.6	207.7	59,900 b							80
85	57.5	204.8	55,600							85
90	53.1	201.3	51,800							90
94	49.4	198.0	49,200							94
95	48.5	197.2	48,500							95
96	47.5	196.3	47,900	57.6	201.1	44,600				96
100	43.5	192.4	45,500	54.1	198.4	42,400				100
103	40.2	188.9	43,900	51.4	196.1	40,900				103
105	38.0	186.6	42,800	49.6	194.5	39,900				105
110	31.8	179.4	40,400	44.7	189.9	37,600				110
113	27.2	173.8	39,000	41.5	186.5	36,400	52.1	192.1	33,700	113
115	24.1	170.0	38,200	39.3	184.3	35,600	50.3	190.5	33,000	115
120	12.8	155.0	36,100	33.3	177.5	33,700	45.5	186.0	31,200	120
121	9.0	149.8	35,700	31.8	175.7	33,300	44.4	184.9	30,900	121
125				26.0	168.7	31,900	40.2	180.6	29,600	125
130				16.1	155.7	30,300	34.3	174.0	28,100	130
133				3.1	138.0	29,300	30.1	168.9	27,300	133
135							27.3	165.6	26,800	135
140							17.9	153.6	25,400	140
143							8.5	140.8	24,700	143

MLC200 S-3

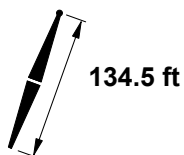
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	74.7	229.0	81,700 c							38
40	73.4	228.4	81,500 c							40
45	70.0	226.8	81,200 b							45
50	66.6	224.8	78,700 b							50
53	64.5	223.4	76,800 b	71.0	226.3	82,000 c				53
55	63.1	222.4	75,600	69.6	225.6	82,000 b				55
60	59.5	219.7	72,600	66.2	223.5	78,900 b				60
65	55.7	216.5	69,900	62.6	221.1	75,900	67.5	223.2	79,300 b	65
70	51.8	212.9	67,400	59.0	218.3	72,300	64.0	221.0	74,600 b	70
75	47.6	208.6	65,000	55.2	215.1	68,000	60.4	218.3	69,200	75
80	43.1	203.7	61,400	51.2	211.4	64,100	56.7	215.3	63,900	80
83	40.2	200.2	59,400	48.7	208.8	62,000	54.4	213.1	61,100	83
85	38.2	197.9	58,100	47.0	207.0	60,600	52.8	211.7	59,300	85
90	32.7	190.8	55,000	42.5	202.0	57,300	48.7	207.6	55,300	90
95	26.3	182.0	51,100	37.5	196.0	53,800	44.3	202.9	51,700	95
100	17.8	169.6	47,300	31.9	188.8	50,500	39.5	197.3	48,500	100
101	14.5	164.5	44,800	30.6	187.0	49,900	38.5	196.0	48,000	101
104	4.6	149.3	37,100	26.6	181.5	48,100	35.3	192.0	46,300	104
105				25.3	179.7	47,500	34.2	190.7	45,700	105
110				16.3	166.5	44,800	28.1	182.4	43,100	110
113				6.8	151.8	40,800	23.4	175.7	41,700	113
115							20.3	171.2	40,700	115
119							9.2	154.4	38,900	119
120							6.5	150.2	38,500	120
125										125
130										130
131										131
135										135
140										140
143										143
145										145
150										150
153										153

MLC200 S-3

ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38										38
40										40
45										45
50										50
53										53
55										55
60										60
65										65
70										70
75										75
80										80
83	62.9	217.4	57,100							83
85	61.5	216.4	55,400							85
90	57.8	213.4	51,600							90
95	53.9	210.0	48,300							95
100	49.9	206.1	45,300							100
101	49.0	205.2	44,800	57.9	209.8	41,600				101
104	46.4	202.5	43,200	55.6	207.8	40,200				104
105	45.6	201.6	42,700	54.8	207.1	39,700				105
110	40.9	196.3	40,300	50.8	203.4	37,400				110
113	37.8	192.5	38,900	48.3	200.7	36,200				113
115	35.8	189.9	38,100	46.6	199.0	35,400				115
119	31.1	183.7	36,500	42.9	194.8	33,900	52.2	200.1	31,300	119
120	29.9	182.2	36,100	42.0	193.8	33,500	51.4	199.3	31,000	120
125	22.7	172.1	34,200	37.0	187.8	31,800	47.2	195.0	29,400	125
130	12.1	156.1	32,500	31.3	180.4	30,200	42.7	190.0	28,000	130
131	8.5	150.6	32,100	30.0	178.5	29,900	41.7	188.8	27,700	131
135				24.5	171.0	28,800	37.8	184.1	26,600	135
140				15.1	157.1	27,400	32.3	177.0	25,300	140
143				2.9	138.2	26,500	28.3	171.5	24,600	143
145							25.7	167.9	24,200	145
150							16.9	155.1	23,000	150
153							8.0	141.5	22,400	153

MLC200 S-3

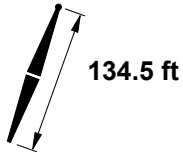
ASME B30.5



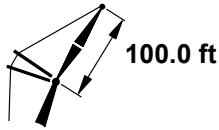
184,600 lb
+
60,400 lb



360°



134.5 ft

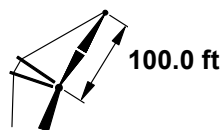
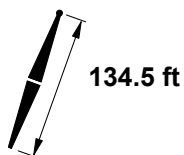


100.0 ft

	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41	74.5	238.5	74,900 c							41
45	72.1	237.3	74,500 b							45
50	69.1	235.6	73,500 b							50
55	66.0	233.5	70,400							55
57	64.7	232.6	69,300	70.5	235.5	74,800 b				57
60	62.8	231.1	67,500	68.7	234.4	73,500 b				60
65	59.5	228.4	64,800	65.6	232.2	70,600				65
69	56.8	225.8	62,700	63.0	230.3	68,300	67.4	232.4	72,200 b	69
70	56.1	225.2	62,200	62.4	229.8	67,800	66.8	232.0	71,600 b	70
75	52.6	221.6	59,800	59.1	227.0	65,100	63.6	229.6	68,200	75
80	48.9	217.6	57,600	55.7	223.8	62,600	60.4	227.0	63,600	80
85	45.0	212.9	55,600	52.1	220.2	59,400	57.0	223.9	59,000	85
88	42.5	209.7	54,400	49.9	217.7	57,600	54.9	221.9	56,600	88
90	40.8	207.5	53,600	48.4	216.0	56,300	53.5	220.5	55,000	90
95	36.2	201.2	50,800	44.5	211.2	53,400	49.9	216.5	51,400	95
100	31.0	193.7	47,300	40.2	205.8	50,200	46.0	212.0	48,300	100
105	24.9	184.3	44,200	35.5	199.3	47,300	41.9	206.8	45,400	105
107	21.7	179.0	43,100	33.4	196.2	46,200	40.1	204.4	44,400	107
110	16.8	171.1	41,500	30.3	191.6	44,600	37.4	200.8	42,900	110
114	4.3	149.7	33,300	25.2	183.8	42,700	33.4	195.1	41,000	114
115				24.0	181.8	42,200	32.4	193.6	40,500	115
120				15.5	167.9	39,900	26.6	184.8	38,400	120
123				6.4	152.4	36,600	22.2	177.7	37,200	123
125							19.2	173.0	36,400	125
130							6.1	150.7	34,500	130
135										135
140										140
141										141
145										145
150										150
153										153
155										155
160										160
163										163

MLC200 S-3

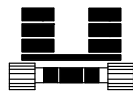
ASME B30.5



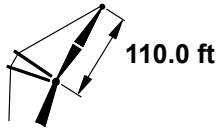
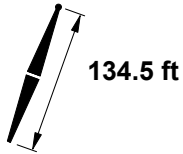
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41										41
45										45
50										50
55										55
57										57
60										60
65										65
69										69
70										70
75										75
80										80
85										85
88	62.6	226.1	52,700							88
90	61.3	225.0	51,300							90
95	58.0	222.1	47,900							95
100	54.5	218.8	45,000							100
105	50.9	215.0	42,300							105
107	49.4	213.2	41,400	57.4	217.8	38,300				107
110	47.2	210.6	39,900	55.3	215.9	37,000				110
114	43.9	206.6	38,200	52.5	212.9	35,400				114
115	43.1	205.6	37,700	51.8	212.2	35,000				115
120	38.7	199.9	35,800	48.0	207.9	33,100				120
123	35.8	195.8	34,700	45.6	205.0	32,100				123
125	33.9	193.1	33,900	44.0	203.1	31,500	52.3	208.1	29,000	125
130	28.3	184.8	32,300	39.8	197.6	29,900	48.6	204.0	27,600	130
135	21.5	174.0	30,700	35.0	191.0	28,500	44.7	199.2	26,200	135
140	11.4	157.1	29,200	29.7	183.1	27,100	40.4	193.8	25,000	140
141	8.1	151.3	28,900	28.4	181.1	26,900	39.5	192.5	24,800	141
145				23.3	173.1	25,900	35.8	187.4	23,800	145
150				14.4	158.4	24,700	30.6	179.8	22,800	150
153				2.8	138.5	23,900	26.8	174.0	22,100	153
155							24.3	170.1	21,700	155
160							16.0	156.5	20,700	160
163							7.6	142.2	20,100	163

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ASME B30.5



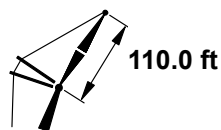
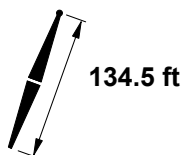
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	74.9	248.4	68,900 c							43
45	73.8	247.8	68,700 b							45
50	71.1	246.2	68,000 b							50
55	68.3	244.4	65,700							55
60	65.4	242.2	63,400	70.7	245.0	67,900 b				60
65	62.5	239.8	61,300	67.9	243.1	65,700				65
70	59.6	237.0	59,200	65.1	241.0	63,600				70
72	58.3	235.8	58,400	63.9	240.0	62,800	67.9	242.0	65,500	72
75	56.5	233.9	57,200	62.2	238.5	61,600	66.2	240.7	64,300	75
80	53.3	230.4	55,400	59.2	235.7	59,500	63.3	238.3	62,300	80
85	50.0	226.4	53,400	56.1	232.5	57,600	60.3	235.6	58,900	85
90	46.5	222.0	51,500	52.9	228.9	55,200	57.3	232.6	54,900	90
92	45.0	219.9	50,800	51.5	227.3	54,100	56.0	231.2	53,500	92
95	42.8	216.9	49,800	49.5	224.9	52,400	54.2	229.2	51,400	95
100	38.8	211.1	48,200	46.0	220.4	49,900	50.9	225.4	48,200	100
105	34.4	204.4	45,200	42.3	215.2	47,300	47.4	221.0	45,400	105
110	29.5	196.4	42,200	38.3	209.3	44,700	43.8	216.2	42,900	110
112	27.2	192.4	41,100	36.5	206.6	43,700	42.2	213.9	41,900	112
115	23.7	186.4	39,400	33.8	202.4	42,200	39.9	210.6	40,500	115
120	16.0	172.6	36,900	28.8	194.2	40,000	35.6	204.1	38,400	120
124	4.1	150.1	29,700	24.0	186.0	38,400	31.8	198.0	36,900	124
125				22.8	183.9	38,000	30.9	196.5	36,500	125
130				14.8	169.2	36,100	25.3	187.1	34,700	130
131				11.9	163.8	35,100	23.9	184.6	34,400	131
133				6.1	152.9	33,100	21.1	179.6	33,700	133
135							18.3	174.6	33,100	135
140							5.8	151.2	31,400	140
145										145
150										150
151										151
155										155
160										160
163										163
165										165
170										170
173										173

MLC200 S-3

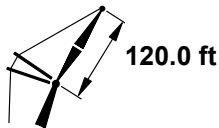
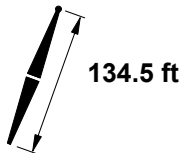
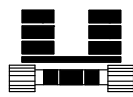
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43										43
45										45
50										50
55										55
60										60
65										65
70										70
72										72
75										75
80										80
85										85
90										90
92	63.0	235.3	49,800							92
95	61.2	233.7	47,900							95
100	58.2	230.8	44,900							100
105	55.1	227.5	42,300							105
110	51.8	223.8	39,900							110
112	50.5	222.1	39,000	57.6	226.5	36,200				112
115	48.4	219.6	37,700	55.8	224.5	35,000				115
120	44.8	214.9	35,800	52.6	220.9	33,100				120
124	41.8	210.6	34,300	49.9	217.7	31,800				124
125	41.0	209.5	34,000	49.2	216.9	31,400				125
130	36.9	203.3	32,300	45.7	212.3	29,900				130
131	35.9	201.8	32,000	44.9	211.2	29,600	52.4	216.1	27,300	131
133	34.1	198.9	31,400	43.4	209.1	29,000	51.1	214.5	26,700	133
135	32.3	196.0	30,800	41.9	207.1	28,500	49.7	212.9	26,200	135
140	27.0	187.3	29,300	37.8	201.1	27,100	46.2	208.3	25,000	140
145	20.5	175.9	28,000	33.4	194.1	25,900	42.5	203.2	23,800	145
150	10.9	158.1	26,700	28.3	185.7	24,700	38.5	197.4	22,800	150
151	7.7	152.0	26,400	27.0	183.6	24,500	37.6	196.0	22,600	151
155				22.2	175.1	23,700	34.1	190.6	21,800	155
160				13.7	159.6	22,600	29.1	182.4	20,800	160
163				2.7	138.7	22,000	25.6	176.3	20,300	163
165							23.2	172.2	19,900	165
170							15.3	157.9	19,100	170
173							7.3	142.9	18,600	173

MLC200 S-3

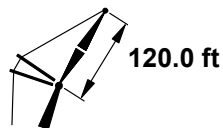
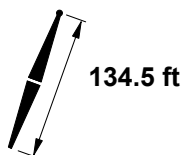
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	74.7	257.9	52,200 b						46	
50	72.7	256.7	51,400 b						50	
55	70.2	255.1	50,400						55	
60	67.6	253.1	49,400						60	
63	66.0	251.8	48,800	70.8	254.6	50,900 b			63	
65	65.0	250.9	48,500	69.8	253.8	50,600			65	
70	62.3	248.5	47,600	67.3	251.9	49,800			70	
75	59.6	245.7	46,800	64.7	249.7	49,000			75	
76	59.0	245.1	46,600	64.1	249.1	48,800	67.8	251.1	49,700	76
80	56.8	242.6	46,000	62.0	247.1	48,200	65.7	249.4	49,100	80
85	53.9	239.1	45,200	59.2	244.3	47,500	63.0	247.0	48,500	85
90	50.9	235.3	44,000	56.4	241.2	46,700	60.3	244.3	47,800	90
95	47.7	231.0	42,400	53.5	237.7	45,800	57.5	241.3	47,200	95
97	46.4	229.1	41,800	52.3	236.1	45,100	56.4	239.9	47,000	97
100	44.4	226.2	40,900	50.5	233.8	44,100	54.7	237.9	46,600	100
105	40.9	220.7	39,400	47.3	229.4	42,500	51.7	234.2	44,900	105
110	37.1	214.6	38,200	44.0	224.5	41,000	48.6	230.0	42,600	110
115	32.9	207.4	37,000	40.4	219.0	39,600	45.3	225.3	40,300	115
117	31.1	204.0	36,500	38.9	216.5	39,100	43.9	223.2	39,400	117
120	28.2	199.0	35,900	36.6	212.7	38,300	41.8	220.1	38,200	120
125	22.7	188.5	35,000	32.4	205.4	37,100	38.1	214.1	36,200	125
130	15.4	174.0	32,900	27.6	196.7	36,000	34.1	207.2	34,500	130
134	3.9	150.4	26,700	23.0	188.0	34,600	30.4	200.8	33,200	134
135				21.9	185.9	34,300	29.5	199.2	32,800	135
137				18.8	179.7	33,600	27.4	195.2	32,200	137
140				14.1	170.5	32,600	24.2	189.3	31,300	140
143				5.8	153.4	29,800	20.2	181.4	30,500	143
145							17.5	176.2	29,900	145
150							5.6	151.7	28,500	150
155										155
160										160
161										161
165										165
170										170
173										173
175										175
180										180
183										183

MLC200 S-3

ASME B30.5



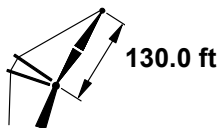
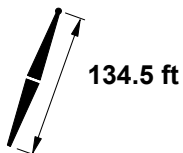
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb		
46										46
50										50
55										55
60										60
63										63
65										65
70										70
75										75
76										76
80										80
85										85
90										90
95										95
97	62.7	244.0	46,300							97
100	61.1	242.4	44,600							100
105	58.3	239.4	41,900							105
110	55.5	236.2	39,500							110
115	52.5	232.6	37,400							115
117	51.3	230.9	36,600	57.8	235.2	33,800				117
120	49.5	228.5	35,400	56.1	233.2	32,700				120
125	46.2	224.0	33,600	53.2	229.7	31,100				125
130	42.8	218.9	32,000	50.2	225.7	29,500				130
134	39.9	214.3	30,800	47.6	222.2	28,400				134
135	39.2	213.1	30,500	47.0	221.3	28,100				135
137	37.6	210.5	29,900	45.6	219.3	27,600	52.5	224.1	25,300	137
140	35.2	206.6	29,000	43.6	216.4	26,800	50.6	221.7	24,600	140
143	32.6	201.9	28,300	41.5	213.0	26,100	48.7	219.1	23,900	143
145	30.9	198.9	27,700	40.0	210.8	25,600	47.5	217.4	23,500	145
150	25.8	189.6	26,500	36.2	204.4	24,400	44.1	212.5	22,400	150
155	19.7	177.7	25,300	31.9	197.0	23,400	40.6	207.0	21,400	155
160	10.4	159.1	24,200	27.0	188.2	22,400	36.8	200.8	20,500	160
161	7.4	152.7	24,000	25.9	185.9	22,200	35.9	199.3	20,300	161
165				21.2	177.0	21,400	32.6	193.6	19,600	165
170				13.1	160.8	20,500	27.8	185.0	18,800	170
173				2.6	138.9	19,900	24.5	178.5	18,300	173
175							22.2	174.2	18,000	175
180							14.6	159.2	17,200	180
183							7.0	143.5	16,800	183

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ASME B30.5



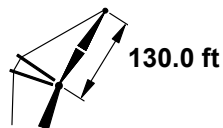
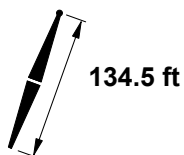
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
48	75.0	267.7	48,700 b						48	
50	74.1	267.2	48,300 b						50	
55	71.8	265.6	47,500						55	
60	69.4	263.9	46,600						60	
65	67.0	261.9	45,800						65	
66	66.6	261.4	45,600	71.0	264.1	47,300			66	
70	64.6	259.6	45,000	69.1	262.7	46,800			70	
75	62.2	257.1	44,300	66.7	260.6	46,100			75	
80	59.6	254.4	43,600	64.3	258.3	45,400	67.7	260.3	46,100	80
85	57.1	251.3	42,000	61.8	255.8	44,700	65.3	258.1	45,500	85
90	54.4	247.9	40,500	59.3	253.0	43,700	62.8	255.7	45,000	90
95	51.6	244.1	39,000	56.7	249.9	42,100	60.3	253.0	44,300	95
100	48.8	239.9	37,500	54.0	246.4	40,600	57.7	250.0	42,800	100
102	47.6	238.1	37,000	52.9	244.9	40,000	56.7	248.6	42,200	102
105	45.8	235.3	36,300	51.3	242.6	39,100	55.1	246.6	41,300	105
110	42.6	230.2	35,000	48.4	238.4	37,800	52.3	243.0	39,800	110
115	39.2	224.4	33,800	45.3	233.7	36,400	49.5	238.9	38,400	115
120	35.6	217.8	32,600	42.2	228.5	35,100	46.5	234.4	37,100	120
123	33.2	213.3	32,000	40.1	224.9	34,400	44.7	231.4	36,300	123
125	31.6	210.3	31,500	38.8	222.6	33,900	43.4	229.4	35,700	125
130	27.1	201.4	30,600	35.1	215.9	32,700	40.1	223.8	34,300	130
135	21.8	190.4	29,700	31.1	208.3	31,700	36.6	217.5	32,700	135
140	14.8	175.3	29,100	26.5	199.1	30,700	32.7	210.2	31,200	140
143	6.5	156.9	25,200	23.2	192.3	30,200	30.1	205.1	30,300	143
144	3.8	150.8	24,000	22.1	190.0	30,000	29.2	203.4	30,000	144
145				21.0	187.8	29,900	28.3	201.7	29,800	145
150				13.6	171.7	29,200	23.3	191.4	28,400	150
153				5.6	153.9	26,800	19.4	183.2	27,700	153
155							16.8	177.7	27,200	155
160							5.4	152.2	26,000	160
165										165
170										170
171										171
175										175
180										180
183										183
185										185
190										190
193										193

MLC200 S-3

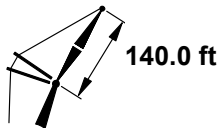
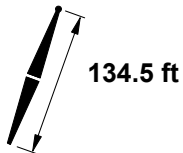
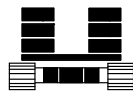
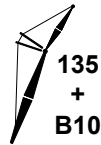
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48										48
50										50
55										55
60										60
65										65
66										66
70										70
75										75
80										80
85										85
90										90
95										95
100										100
102	62.5	252.6	43,200							102
105	61.0	251.0	41,700							105
110	58.5	248.1	39,300							110
115	55.8	244.9	37,100							115
120	53.1	241.3	35,200							120
123	51.4	238.9	34,100	57.5	243.2	31,500				123
125	50.3	237.4	33,400	56.4	241.9	30,800				125
130	47.4	233.0	31,800	53.7	238.4	29,300				130
135	44.3	228.1	30,200	51.0	234.6	27,900				135
140	41.1	222.7	28,800	48.1	230.3	26,600				140
143	39.0	219.1	28,100	46.2	227.5	25,800	52.5	232.1	23,600	143
144	38.3	217.8	27,800	45.6	226.5	25,600	52.0	231.3	23,400	144
145	37.6	216.6	27,500	45.0	225.6	25,300	51.4	230.5	23,200	145
150	33.8	209.7	26,300	41.8	220.3	24,200	48.5	226.3	22,200	150
153	31.3	204.8	25,600	39.8	216.7	23,600	46.7	223.5	21,600	153
155	29.6	201.6	25,200	38.4	214.4	23,200	45.5	221.7	21,200	155
160	24.8	191.8	24,100	34.7	207.6	22,200	42.3	216.5	20,300	160
165	18.9	179.4	23,100	30.6	199.8	21,200	38.9	210.6	19,400	165
170	10.0	160.0	22,100	26.0	190.5	20,400	35.3	204.0	18,600	170
171	7.1	153.3	21,900	24.8	188.2	20,200	34.5	202.5	18,400	171
175				20.4	178.8	19,500	31.3	196.4	17,800	175
180				12.6	161.9	18,700	26.7	187.4	17,100	180
183				2.5	139.2	18,200	23.5	180.7	16,700	183
185							21.3	176.2	16,400	185
190							14.0	160.5	15,700	190
193							6.7	144.1	15,300	193

MLC200 S-3

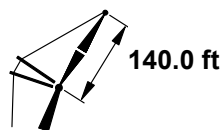
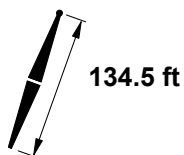
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	74.8	277.3	45,200 b							51
55	73.1	276.1	44,500							55
60	70.9	274.5	43,700							60
65	68.8	272.7	43,000							65
70	66.6	270.6	42,300	70.7	273.3	43,700				70
75	64.3	268.3	41,500	68.5	271.4	43,100				75
80	62.0	265.8	39,900	66.3	269.4	42,500				80
84	60.1	263.6	38,700	64.5	267.5	41,700	67.6	269.5	42,600	84
85	59.7	263.0	38,400	64.0	267.0	41,500	67.1	269.0	42,400	85
90	57.3	259.9	36,900	61.7	264.5	40,000	64.9	266.8	42,000	90
95	54.8	256.6	35,500	59.4	261.6	38,500	62.6	264.3	40,400	95
100	52.3	252.9	34,000	56.9	258.5	37,000	60.3	261.6	39,000	100
105	49.6	248.8	32,700	54.5	255.1	35,500	57.9	258.6	37,500	105
106	49.1	247.9	32,400	53.9	254.4	35,300	57.4	258.0	37,200	106
110	46.9	244.4	31,400	51.9	251.4	34,200	55.4	255.3	36,100	110
115	44.0	239.4	30,200	49.3	247.3	32,800	52.9	251.7	34,700	115
120	41.0	234.0	29,100	46.5	242.8	31,600	50.3	247.8	33,400	120
125	37.7	227.9	27,900	43.6	237.8	30,300	47.6	243.4	32,100	125
128	35.6	223.7	27,300	41.8	234.4	29,600	45.9	240.5	31,400	128
130	34.3	221.0	26,900	40.6	232.2	29,100	44.8	238.6	30,900	130
135	30.4	213.1	25,900	37.3	226.0	28,000	41.8	233.3	29,700	135
140	26.1	203.8	25,000	33.8	219.0	26,900	38.6	227.4	28,600	140
145	21.0	192.3	24,200	29.9	211.0	26,000	35.2	220.7	27,500	145
149	15.6	179.7	23,700	26.4	203.4	25,300	32.2	214.6	26,700	149
150	14.2	176.6	23,600	25.5	201.5	25,100	31.5	213.1	26,500	150
154	3.7	151.1	21,500	21.3	192.0	24,500	28.1	206.0	25,800	154
155				20.2	189.6	24,300	27.3	204.2	25,600	155
160				13.1	172.9	23,700	22.4	193.4	24,800	160
163				5.4	154.4	23,500	18.7	184.9	24,300	163
165							16.2	179.2	24,000	165
170							5.2	152.7	23,600	170
175										175
180										180
181										181
185										185
190										190
193										193
195										195
200										200
203										203

MLC200 S-3

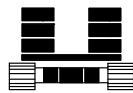
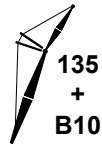
ASME B30.5



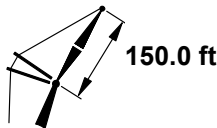
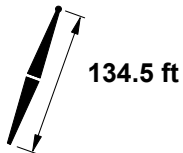
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51										51
55										55
60										60
65										65
70										70
75										75
80										80
84										84
85										85
90										90
95										95
100										100
105										105
106	62.8	261.8	40,100							106
110	60.9	259.7	38,900							110
115	58.6	256.8	36,800							115
120	56.1	253.6	34,800							120
125	53.6	250.1	33,100							125
128	52.1	247.7	32,100	57.7	251.9	29,500				128
130	51.1	246.2	31,400	56.7	250.6	28,900				130
135	48.4	242.0	29,900	54.2	247.2	27,500				135
140	45.6	237.3	28,500	51.6	243.4	26,200				140
145	42.6	232.1	27,200	49.0	239.2	25,000				145
149	40.1	227.5	26,200	46.8	235.6	24,100	52.6	240.1	22,000	149
150	39.5	226.4	26,000	46.2	234.7	23,900	52.0	239.3	21,800	150
154	36.8	221.2	25,100	43.9	230.6	23,000	49.9	236.0	21,000	154
155	36.2	220.0	24,900	43.3	229.6	22,800	49.4	235.2	20,800	155
160	32.6	212.6	23,800	40.2	224.0	21,800	46.6	230.7	19,900	160
163	30.1	207.5	23,200	38.3	220.3	21,300	44.9	227.7	19,400	163
165	28.5	204.2	22,800	37.0	217.8	20,900	43.8	225.8	19,000	165
170	23.9	194.0	21,900	33.4	210.7	20,000	40.7	220.3	18,200	170
175	18.2	181.0	21,000	29.5	202.5	19,200	37.5	214.1	17,500	175
180	9.7	160.8	20,100	25.0	192.8	18,400	34.0	207.1	16,800	180
181	6.8	153.9	19,900	23.9	190.3	18,300	33.2	205.5	16,600	181
185				19.6	180.6	17,700	30.1	199.2	16,100	185
190				12.1	163.0	17,000	25.7	189.7	15,400	190
193				2.4	139.4	16,500	22.6	182.7	15,100	193
195							20.5	178.0	14,800	195
200							13.5	161.7	14,200	200
203							6.5	144.7	13,800	203

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ASME B30.5



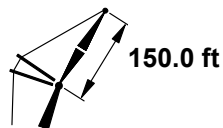
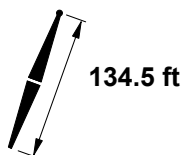
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54	74.7	286.8	41,800						54	
55	74.3	286.6	41,700						55	
60	72.3	285.0	41,000						60	
65	70.2	283.3	40,300						65	
70	68.2	281.5	39,600						70	
73	67.0	280.2	38,800	70.8	282.8	40,500			73	
75	66.1	279.3	38,200	70.0	282.1	40,200			75	
80	64.0	277.0	36,800	67.9	280.2	39,600			80	
85	61.9	274.5	35,300	65.9	278.1	38,100			85	
87	61.0	273.3	34,700	65.0	277.1	37,600	67.9	279.0	39,400	87
90	59.7	271.7	33,900	63.7	275.7	36,700	66.7	277.8	38,600	90
95	57.5	268.6	32,500	61.6	273.1	35,300	64.6	275.5	37,100	95
100	55.2	265.3	31,100	59.4	270.3	33,900	62.4	273.0	35,800	100
105	52.8	261.6	29,800	57.2	267.2	32,500	60.3	270.3	34,400	105
110	50.4	257.7	28,600	54.8	263.8	31,200	58.0	267.3	33,100	110
111	49.8	256.8	28,400	54.4	263.1	30,900	57.6	266.6	32,800	111
115	47.8	253.3	27,400	52.5	260.2	29,900	55.8	264.0	31,700	115
120	45.2	248.6	26,200	50.0	256.2	28,600	53.4	260.5	30,500	120
125	42.4	243.4	25,100	47.5	251.8	27,500	51.0	256.6	29,200	125
130	39.5	237.6	24,100	44.8	247.0	26,300	48.5	252.4	28,000	130
133	37.7	233.8	23,500	43.2	243.8	25,600	46.9	249.6	27,300	133
135	36.4	231.2	23,100	42.1	241.7	25,200	45.9	247.7	26,800	135
140	33.1	224.0	22,100	39.1	235.8	24,100	43.2	242.6	25,700	140
145	29.4	215.8	21,200	36.0	229.3	23,100	40.3	237.0	24,600	145
150	25.2	206.1	20,400	32.6	222.0	22,200	37.2	230.8	23,600	150
155	20.3	194.1	19,700	28.9	213.6	21,300	34.0	223.8	22,700	155
160	13.7	177.8	19,100	24.6	203.7	20,500	30.4	215.9	21,800	160
164	3.5	151.4	18,900	20.5	193.8	19,900	27.1	208.5	21,100	164
165				19.5	191.3	19,800	26.3	206.6	20,900	165
170				12.6	174.0	19,200	21.6	195.4	20,100	170
173				5.2	154.9	19,000	18.1	186.5	19,700	173
175							15.7	180.6	19,500	175
180							5.0	153.1	19,000	180
185										185
190										190
191										191
195										195
200										200
203										203
205										205
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213										213

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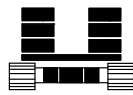
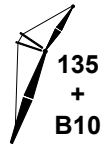
ASME B30.5



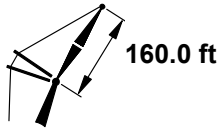
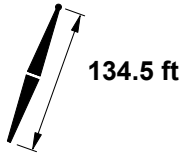
	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54									54	
55									55	
60									60	
65									65	
70									70	
73									73	
75									75	
80									80	
85									85	
87									87	
90									90	
95									95	
100									100	
105									105	
110									110	
111	62.6	270.5	35,500						111	
115	60.9	268.4	34,500						115	
120	58.7	265.4	33,200						120	
125	56.4	262.3	32,000						125	
130	54.1	258.8	30,800						130	
133	52.6	256.5	30,000	57.8	260.6	27,900			133	
135	51.7	255.0	29,600	56.9	259.3	27,400			135	
140	49.2	250.9	28,400	54.6	255.9	26,100			140	
145	46.6	246.4	27,100	52.2	252.2	24,900			145	
150	43.9	241.4	25,900	49.8	248.1	23,800			150	
155	41.1	235.9	24,800	47.2	243.7	22,700	52.6	248.1	20,700	155
160	38.1	229.9	23,800	44.6	238.8	21,800	50.2	244.1	19,800	160
164	35.6	224.5	23,000	42.3	234.6	21,000	48.1	240.6	19,100	164
165	34.9	223.2	22,800	41.8	233.5	20,800	47.6	239.7	18,900	165
170	31.4	215.5	21,900	38.8	227.6	20,000	45.0	234.9	18,100	170
173	29.1	210.2	21,300	36.9	223.7	19,500	43.3	231.8	17,700	173
175	27.5	206.7	21,000	35.7	221.0	19,200	42.2	229.7	17,400	175
180	23.1	196.1	20,100	32.2	213.6	18,400	39.3	223.9	16,700	180
185	17.6	182.6	19,400	28.5	205.1	17,700	36.2	217.4	16,000	185
190	9.3	161.6	18,600	24.1	195.0	17,000	32.8	210.1	15,400	190
191	6.6	154.5	18,400	23.1	192.4	16,800	32.0	208.5	15,300	191
195				18.9	182.3	16,300	29.1	201.8	14,800	195
200				11.7	164.0	15,700	24.9	192.0	14,200	200
203				2.3	139.6	15,200	21.8	184.7	13,900	203
205							19.8	179.8	13,600	205
210							13.1	162.9	13,100	210
213							6.2	145.2	12,700	213

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ASME B30.5



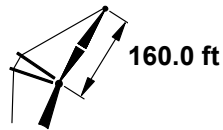
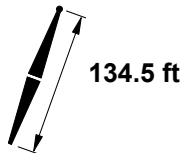
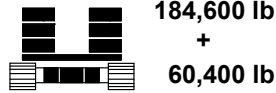
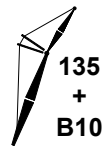
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
56	74.9	296.6	38,700						56	
60	73.4	295.5	38,100						60	
65	71.5	293.9	37,500						65	
70	69.6	292.2	36,400						70	
75	67.7	290.2	34,900						75	
76	67.3	289.8	34,600	70.9	292.4	37,200			76	
80	65.8	288.1	33,500	69.4	290.9	36,200			80	
85	63.8	285.7	32,100	67.4	289.0	34,800			85	
90	61.8	283.1	30,700	65.5	286.8	33,400			90	
91	61.3	282.6	30,400	65.1	286.3	33,100	67.8	288.2	34,900	91
95	59.7	280.3	29,400	63.5	284.4	32,000	66.3	286.5	33,800	95
100	57.6	277.3	28,100	61.5	281.8	30,600	64.3	284.2	32,400	100
105	55.5	274.0	26,800	59.4	279.0	29,300	62.3	281.7	31,200	105
110	53.3	270.4	25,600	57.3	275.9	28,100	60.2	278.9	29,900	110
115	51.0	266.5	24,400	55.2	272.5	26,800	58.2	276.0	28,600	115
120	48.6	262.3	23,300	53.0	268.9	25,600	56.0	272.7	27,400	120
125	46.2	257.7	22,200	50.7	265.0	24,400	53.8	269.2	26,100	125
130	43.7	252.7	21,100	48.3	260.7	23,300	51.6	265.4	24,900	130
135	41.0	247.2	20,100	45.9	256.1	22,200	49.3	261.3	23,800	135
138	39.3	243.6	19,600	44.4	253.0	21,600	47.8	258.6	23,100	138
140	38.2	241.2	19,200	43.3	251.0	21,200	46.9	256.8	22,700	140
145	35.2	234.5	18,300	40.7	245.5	20,200	44.3	251.9	21,700	145
150	32.0	226.9	17,400	37.8	239.3	19,200	41.7	246.5	20,600	150
155	28.4	218.3	16,700	34.8	232.5	18,300	39.0	240.6	19,600	155
160	24.4	208.3	15,900	31.5	224.9	17,500	36.0	234.1	18,700	160
161	23.4	205.8	15,800	30.8	223.1	17,300	35.4	232.7	18,600	161
165	19.6	195.9	15,300	27.9	216.1	16,700	32.8	226.8	17,900	165
170	13.3	179.0	14,400	23.8	205.8	15,900	29.4	218.5	17,000	170
174	3.4	151.7	13,800	19.9	195.6	15,400	26.3	210.8	16,400	174
175				18.9	193.0	15,300	25.5	208.9	16,300	175
180				12.2	175.1	14,400	20.9	197.2	15,500	180
183				5.1	155.3	13,900	17.5	188.0	15,100	183
185							15.2	181.9	14,700	185
190							4.8	153.6	13,900	190
195										195
200										200
201										201
205										205
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213										213
215										215
220										220
223										223

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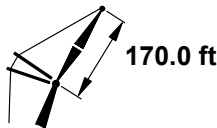
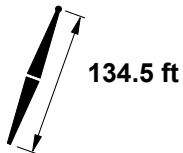
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
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75										75
76										76
80										80
85										85
90										90
91										91
95										95
100										100
105										105
110										110
115	62.9	279.7	31,100							115
120	60.8	277.0	30,000							120
125	58.8	274.1	28,800							125
130	56.6	270.9	27,600							130
135	54.5	267.5	26,400							135
138	53.1	265.3	25,700	58.0	269.2	26,200				138
140	52.2	263.8	25,200	57.1	268.0	25,700				140
145	49.9	259.7	24,100	55.0	264.6	24,500				145
150	47.5	255.4	23,000	52.7	260.9	23,400				150
155	45.1	250.6	22,000	50.5	257.0	22,400				155
160	42.5	245.4	21,000	48.1	252.7	21,400				160
161	41.9	244.2	20,800	47.6	251.7	21,200	52.6	256.1	19,200	161
165	39.8	239.6	20,000	45.6	248.0	20,500	50.8	252.9	18,600	165
170	36.9	233.3	19,000	43.1	242.9	19,600	48.5	248.7	17,800	170
174	34.4	227.7	18,300	40.9	238.4	19,000	46.5	245.0	17,200	174
175	33.8	226.2	18,100	40.4	237.3	18,800	46.0	244.1	17,000	175
180	30.4	218.3	17,300	37.5	231.1	18,100	43.5	239.0	16,300	180
183	28.1	212.7	16,800	35.7	226.9	17,600	41.9	235.7	15,900	183
185	26.6	209.1	16,500	34.5	224.2	17,400	40.8	233.5	15,700	185
190	22.3	198.1	15,900	31.2	216.5	16,700	38.0	227.4	15,000	190
195	17.0	184.1	15,100	27.5	207.6	16,000	35.0	220.6	14,400	195
200	9.0	162.4	14,200	23.4	197.1	15,400	31.7	213.0	13,900	200
201	6.4	155.1	14,100	22.4	194.4	15,300	31.0	211.3	13,800	201
205				18.3	183.9	14,800	28.1	204.3	13,300	205
210				11.3	165.0	14,200	24.1	194.1	12,800	210
213				2.2	139.8	13,800	21.1	186.5	12,500	213
215							19.2	181.5	12,300	215
220							12.7	164.0	11,800	220
223							6.0	145.7	11,500	223

MLC200 S-3

ASME B30.5



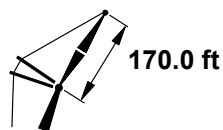
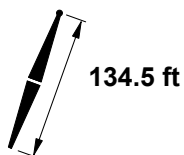
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59	74.8	306.2	35,700							59
60	74.4	305.9	35,500							60
65	72.6	304.4	34,900							65
70	70.9	302.8	33,500							70
75	69.1	301.0	32,200							75
79	67.6	299.4	31,100	71.0	301.9	33,500				79
80	67.3	299.0	30,800	70.6	301.6	33,300				80
85	65.4	296.8	29,500	68.8	299.7	32,000				85
90	63.6	294.4	28,100	67.0	297.7	30,600				90
95	61.7	291.8	26,800	65.2	295.5	29,400	67.7	297.4	31,000	95
100	59.7	289.0	25,600	63.3	293.1	28,000	65.9	295.2	29,700	100
105	57.8	286.0	24,400	61.4	290.5	26,800	64.0	292.9	28,500	105
110	55.7	282.7	23,200	59.5	287.6	25,600	62.2	290.4	27,300	110
115	53.7	279.1	22,100	57.5	284.6	24,400	60.2	287.6	26,000	115
120	51.6	275.3	21,000	55.5	281.3	23,200	58.3	284.6	24,900	120
125	49.4	271.2	19,900	53.4	277.7	22,100	56.3	281.4	23,700	125
130	47.1	266.7	19,000	51.3	273.8	21,000	54.2	277.9	22,500	130
135	44.8	261.9	18,000	49.1	269.6	20,000	52.1	274.2	21,400	135
140	42.3	256.6	17,100	46.8	265.1	18,900	49.9	270.1	20,400	140
144	40.3	252.0	16,400	44.9	261.2	18,200	48.1	266.6	19,600	144
145	39.7	250.9	16,200	44.4	260.2	18,000	47.7	265.8	19,400	145
150	37.0	244.6	15,300	42.0	254.9	17,000	45.4	261.0	18,400	150
155	34.1	237.6	14,500	39.4	249.1	16,200	43.0	255.9	17,500	155
160	31.0	229.7	13,800	36.7	242.7	15,400	40.4	250.3	16,600	160
165	27.6	220.8	12,900	33.7	235.6	14,600	37.7	244.1	15,700	165
167	26.0	216.6	12,500	32.5	232.4	14,300	36.6	241.4	15,400	167
170	23.7	210.4	12,000	30.6	227.7	13,800	34.9	237.3	14,900	170
175	19.0	197.6	11,200	27.1	218.6	12,800	31.8	229.7	14,100	175
180	12.9	180.1	10,400	23.1	207.9	11,900	28.5	221.1	13,300	180
184	3.3	152.0	9,900	19.3	197.3	11,300	25.5	213.1	12,500	184
185				18.3	194.7	11,100	24.7	211.1	12,300	185
190				11.9	176.1	10,300	20.3	199.1	11,500	190
193				4.9	155.8	10,000	17.0	189.6	11,000	193
195							14.7	183.2	10,700	195
200							4.7	154.0	10,000	200
205										205
210										210
211										211
215										215
220										220
223										223
225										225
230										230
233										233

MLC200 S-3

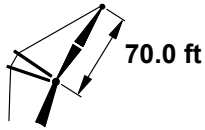
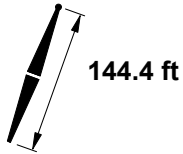
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59										59
60										60
65										65
70										70
75										75
79										79
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.7	288.4	27,300							120
125	60.8	285.7	26,200							125
130	58.8	282.8	25,100							130
135	56.8	279.6	23,900							135
140	54.8	276.2	22,800							140
144	53.1	273.3	22,000	57.7	277.3	24,100				144
145	52.7	272.6	21,800	57.3	276.6	23,900				145
150	50.6	268.6	20,700	55.3	273.3	22,800				150
155	48.3	264.3	19,700	53.2	269.7	21,800				155
160	46.0	259.7	18,700	51.0	265.8	20,800				160
165	43.7	254.7	17,800	48.8	261.6	19,800				165
167	42.7	252.5	17,400	47.9	259.8	19,500	52.7	264.1	18,000	167
170	41.2	249.2	16,900	46.6	257.0	18,900	51.4	261.7	17,500	170
175	38.5	243.2	16,000	44.2	252.1	18,000	49.2	257.6	16,800	175
180	35.7	236.6	15,200	41.7	246.7	17,100	46.9	253.1	16,100	180
184	33.3	230.7	14,500	39.6	242.0	16,400	45.0	249.2	15,500	184
185	32.7	229.2	14,400	39.1	240.9	16,200	44.6	248.2	15,400	185
190	29.5	220.9	13,600	36.4	234.4	15,400	42.1	242.9	14,800	190
193	27.3	215.2	13,000	34.6	230.1	14,900	40.6	239.5	14,400	193
195	25.8	211.4	12,600	33.4	227.3	14,600	39.5	237.1	14,200	195
200	21.6	200.0	11,700	30.2	219.2	13,800	36.8	230.8	13,600	200
205	16.5	185.6	11,000	26.7	210.0	12,900	33.9	223.7	13,100	205
210	8.8	163.2	10,200	22.7	199.1	12,000	30.7	215.8	12,600	210
211	6.2	155.6	10,100	21.7	196.4	11,800	30.0	214.0	12,500	211
215				17.8	185.5	11,200	27.3	206.8	12,100	215
220				11.0	166.0	10,400	23.3	196.2	11,600	220
223				2.1	140.0	10,000	20.5	188.4	11,300	223
225							18.6	183.2	11,200	225
230							12.3	165.1	10,500	230
233							5.9	146.3	10,200	233

MLC200 S-3

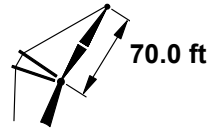
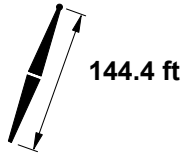
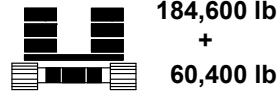
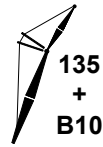
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	74.9	219.6	95,000 d							33
35	73.2	219.0	95,000 d							35
40	68.9	217.3	95,000 c							40
45	64.4	215.2	94,600 c							45
48	61.7	213.6	90,600 c	70.7	217.0	95,900 c				48
50	59.8	212.5	87,800 b	68.9	216.3	94,100 c				50
55	55.0	209.3	81,700 b	64.5	214.1	87,400 c				55
59	50.8	206.2	77,400 b	60.8	212.0	82,500 c	67.6	214.4	86,100 c	59
60	49.8	205.5	76,300	59.8	211.5	81,300 b	66.7	214.0	84,900 c	60
65	44.2	200.8	71,400	55.0	208.3	75,800 b	62.1	211.6	79,000 b	65
70	38.0	195.1	67,000	49.8	204.4	70,800	57.4	208.7	73,800 b	70
75	30.7	187.7	62,900	44.2	199.8	66,400	52.4	205.2	69,000	75
77	26.9	183.6	61,400	41.7	197.5	64,700	50.2	203.5	66,900	77
80	21.3	177.5	59,200	38.0	194.1	62,300	47.0	201.0	63,700	80
84	8.7	162.6	47,700	32.2	188.2	59,400	42.3	196.8	60,100	84
85				30.7	186.7	58,600	41.1	195.8	59,200	85
90				21.4	176.5	55,200	34.5	189.3	55,100	90
94				8.8	161.7	50,500	28.0	182.5	52,300	94
95							26.4	180.8	51,500	95
100							14.7	167.5	48,300	100
102							5.1	156.0	47,000	102
105										105
110										110
111										111
114										114
115										115
120										120
125										125
126										126
130										130
135										135
138										138

MLC200 S-3

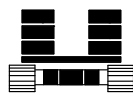
ASME B30.5



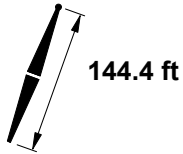
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33										33
35										35
40										40
45										45
48										48
50										50
55										55
59										59
60										60
65										65
70										70
75										75
77	62.4	208.8	62,200 b							77
80	59.6	207.2	59,400 b							80
84	55.7	204.6	56,000 b							84
85	54.7	203.9	55,100 b							85
90	49.5	200.1	51,400							90
94	45.0	196.3	48,700	57.6	202.0	45,100 b				94
95	43.9	195.3	48,100	56.6	201.3	44,600 b				95
100	37.6	189.5	45,100	51.6	197.7	41,800				100
102	34.7	186.5	44,000	49.4	195.9	40,800				102
105	30.3	182.1	42,400	46.1	193.3	39,300				105
110	20.7	171.6	40,000	40.1	188.0	37,100				110
111	17.3	167.6	39,500	38.8	186.6	36,700	52.2	193.1	33,900	111
114	7.1	155.5	38,100	34.7	182.6	35,500	48.9	190.6	32,700	114
115				33.3	181.3	35,100	47.9	189.8	32,400	115
120				24.9	172.3	33,200	42.1	184.8	30,600	120
125				11.8	157.2	31,400	35.6	178.5	29,100	125
126				6.8	151.1	31,000	34.0	176.9	28,800	126
130							27.7	170.4	27,600	130
135							17.0	158.3	26,200	135
138							2.1	140.4	25,300	138

MLC200 S-3

ASME B30.5



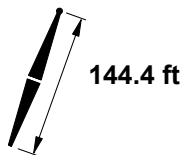
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	74.6	229.2	87,000 d							36
40	71.6	227.9	86,900 c							40
45	67.8	226.1	86,700 c							45
50	63.9	223.9	84,300 b							50
51	63.1	223.3	83,100 b	70.9	226.6	87,600 c				51
55	59.8	221.2	78,700 b	67.8	225.1	83,700 c				55
60	55.6	218.0	73,700	63.9	222.8	78,200 b				60
63	52.9	215.8	71,000	61.5	221.2	75,100 b	67.4	223.6	78,000 c	63
65	51.1	214.3	69,100	59.9	220.2	73,100 b	65.9	222.7	76,000 b	65
70	46.4	209.9	65,000	55.6	217.0	68,600	61.9	220.3	71,200 b	70
75	41.2	204.7	61,200	51.2	213.3	64,400	57.7	217.4	66,800	75
80	35.4	198.4	57,800	46.4	208.9	60,700	53.4	214.0	62,800	80
81	34.1	196.8	57,200	45.4	207.9	60,000	52.5	213.1	62,000	81
85	28.7	190.4	54,700	41.2	203.7	57,200	48.8	209.9	58,900	85
90	20.0	179.3	51,700	35.4	197.4	54,000	43.8	205.1	54,900	90
94	8.1	163.3	41,600	30.0	191.0	51,700	39.5	200.5	52,000	94
95				28.7	189.4	51,100	38.4	199.4	51,300	95
99				21.7	180.5	48,900	33.4	193.7	48,800	99
100				20.0	178.3	48,400	32.2	192.3	48,200	100
104				8.2	162.4	44,200	26.1	184.9	45,900	104
105							24.6	183.1	45,300	105
110							13.7	168.7	42,700	110
112							4.8	156.4	41,600	112
115										115
117										117
120										120
124										124
125										125
130										130
135										135
136										136
140										140
145										145
148										148

MLC200 S-3

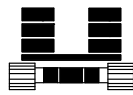
ASME B30.5



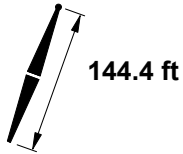
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36										36
40										40
45										45
50										50
51										51
55										55
60										60
63										63
65										65
70										70
75										75
80										80
81	62.9	218.0	58,100 b							81
85	59.6	215.8	54,700 b							85
90	55.4	212.7	51,000							90
94	51.8	209.7	48,400							94
95	50.9	208.9	47,700							95
99	47.1	205.4	45,400	57.9	210.6	41,900				99
100	46.1	204.5	44,800	57.1	210.0	41,400				100
104	41.9	200.3	42,700	53.5	207.2	39,400				104
105	40.9	199.2	42,100	52.7	206.5	39,000				105
110	35.1	192.8	39,700	48.0	202.3	36,700				110
112	32.4	189.6	38,900	46.0	200.3	35,900				112
115	28.3	184.7	37,500	43.0	197.4	34,700				115
117	24.7	180.2	36,700	40.8	195.0	34,000	52.3	201.1	31,200	117
120	19.4	173.4	35,500	37.4	191.5	32,900	49.5	198.7	30,200	120
124	6.6	156.0	34,000	32.4	185.6	31,500	45.6	195.0	29,000	124
125				31.1	184.2	31,200	44.6	194.0	28,700	125
130				23.2	174.4	29,600	39.3	188.5	27,300	130
135				11.1	158.2	28,100	33.2	181.6	25,900	135
136				6.3	151.6	27,800	31.7	179.9	25,700	136
140							25.9	172.8	24,700	140
145							15.9	159.7	23,500	145
148							1.9	140.5	22,700	148

MLC200 S-3

ASME B30.5



184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	74.4	238.7	79,300 c						39	
40	73.7	238.4	79,300 c						40	
45	70.4	236.8	79,000 c						45	
50	67.0	234.8	78,200 b						50	
55	63.5	232.5	75,100 b	70.4	235.8	79,700 c			55	
60	59.9	229.8	72,000	67.0	233.8	76,000 b			60	
65	56.1	226.7	67,700	63.5	231.5	71,500 b			65	
66	55.3	226.0	67,000	62.8	231.0	70,600 b	68.0	233.2	73,000 b	
70	52.2	223.1	63,900	59.9	228.8	67,200	65.2	231.5	69,600 b	
75	48.0	218.9	60,300	56.1	225.7	63,300	61.7	229.0	65,400	
80	43.6	214.1	57,000	52.2	222.1	59,700	58.0	226.1	61,700	
85	38.7	208.3	54,000	48.0	217.9	56,500	54.1	222.7	58,200	
86	37.7	207.0	53,500	47.2	216.9	55,900	53.3	221.9	57,500	
90	33.3	201.5	51,300	43.6	213.0	53,400	50.1	218.8	54,700	
95	27.0	192.9	48,700	38.8	207.3	50,700	45.8	214.3	51,200	
100	18.8	181.0	46,100	33.4	200.5	48,100	41.2	209.0	48,000	
104	7.6	164.0	37,200	28.3	193.6	46,200	37.1	204.0	45,800	
105				27.0	191.9	45,700	36.1	202.8	45,200	
110				18.8	180.0	43,400	30.3	195.1	42,700	
114				7.8	163.1	39,500	24.6	187.2	40,800	
115							23.2	185.2	40,300	
120							12.9	169.9	38,200	
122							4.5	156.8	37,300	
123									123	
125									125	
130									130	
134									134	
135									135	
140									140	
145									145	
146									146	
150									150	
155									155	
158									158	

MLC200 S-3

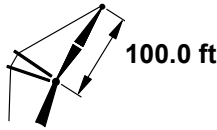
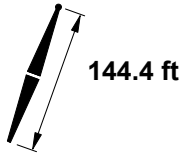
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39										39
40										40
45										45
50										50
55										55
60										60
65										65
66										66
70										70
75										75
80										80
85										85
86	62.6	226.7	53,700							86
90	59.7	224.5	50,800							90
95	55.9	221.3	47,500							95
100	52.0	217.7	44,600							100
104	48.6	214.3	42,500							104
105	47.8	213.5	42,000	57.4	218.7	38,700				105
110	43.3	208.6	39,600	53.5	215.2	36,500				110
114	39.4	204.0	37,900	50.3	212.0	34,900				114
115	38.5	202.8	37,400	49.5	211.2	34,500				115
120	33.0	195.9	35,500	45.1	206.6	32,700				120
122	30.5	192.4	34,700	43.2	204.5	32,000				122
123	29.2	190.6	34,400	42.3	203.4	31,700	52.4	209.1	29,100	123
125	26.6	187.1	33,600	40.4	201.2	31,000	50.7	207.5	28,500	125
130	18.3	175.0	31,900	35.2	194.8	29,500	46.5	203.1	27,000	130
134	6.2	156.6	30,600	30.5	188.4	28,400	42.8	199.0	26,000	134
135				29.3	186.8	28,100	41.9	198.0	25,700	135
140				21.9	176.4	26,700	36.9	191.9	24,500	140
145				10.4	159.1	25,400	31.2	184.5	23,400	145
146				6.0	152.2	25,200	29.9	182.6	23,200	146
150							24.4	175.0	22,300	150
155							15.0	161.1	21,300	155
158							1.8	140.7	20,600	158

MLC200 S-3

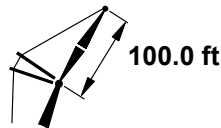
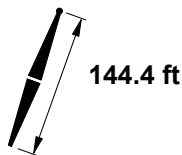
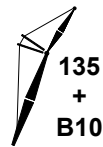
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	74.8	248.5	72,900 c						41	
45	72.4	247.3	72,500 c						45	
50	69.4	245.6	72,200 b						50	
55	66.3	243.6	70,000 b						55	
58	64.4	242.2	68,400 b	70.6	245.3	72,800 b			58	
60	63.1	241.2	67,200	69.4	244.6	72,800 b			60	
65	59.9	238.5	64,600	66.3	242.6	69,300 b			65	
70	56.5	235.4	62,100	63.1	240.2	65,400	67.8	242.4	67,400 b	
75	53.0	231.9	58,900	59.9	237.5	61,800	64.7	240.2	63,700	
80	49.3	227.8	55,900	56.5	234.4	58,400	61.5	237.6	60,200	
85	45.4	223.2	53,000	53.0	230.8	55,300	58.2	234.7	57,000	
90	41.2	217.9	50,400	49.3	226.8	52,500	54.8	231.4	53,900	
95	36.7	211.7	48,000	45.4	222.2	49,800	51.2	227.6	50,900	
100	31.6	204.4	45,600	41.3	216.9	47,300	47.4	223.3	47,800	
105	25.6	195.2	43,500	36.7	210.7	45,000	43.4	218.4	44,900	
110	17.8	182.6	41,000	31.6	203.4	42,900	39.0	212.7	42,400	
114	7.3	164.6	33,200	26.8	196.0	41,300	35.2	207.3	40,600	
115				25.6	194.2	40,900	34.2	205.9	40,100	
120				17.9	181.7	38,900	28.7	197.8	38,000	
124				7.4	163.8	35,400	23.3	189.3	36,400	
125							22.0	187.2	36,000	
129							14.2	174.2	34,600	
130							12.3	171.0	34,200	
132							4.3	157.2	33,500	
135									135	
140									140	
144									144	
145									145	
150									150	
155									155	
156									156	
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165									165	
168									168	

MLC200 S-3

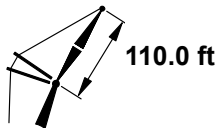
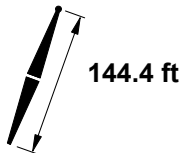
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41										41
45										45
50										50
55										55
58										58
60										60
65										65
70										70
75										75
80										80
85										85
90	63.0	235.9	50,400							90
95	59.7	233.2	47,100							95
100	56.3	230.0	44,200							100
105	52.8	226.5	41,600							105
110	49.1	222.4	39,200	57.7	227.3	36,100				110
114	46.0	218.7	37,500	54.9	224.6	34,500				114
115	45.2	217.8	37,100	54.2	223.9	34,100				115
120	41.0	212.4	35,100	50.6	220.1	32,300				120
124	37.3	207.4	33,700	47.5	216.6	31,000				124
125	36.4	206.2	33,400	46.8	215.7	30,700				125
129	32.3	200.2	32,000	43.5	211.7	29,400	52.4	217.1	26,900	129
130	31.3	198.7	31,700	42.7	210.6	29,100	51.7	216.3	26,600	130
132	28.9	195.0	31,100	40.9	208.3	28,600	50.2	214.7	26,100	132
135	25.2	189.4	30,200	38.3	204.8	27,700	48.0	212.1	25,300	135
140	17.3	176.6	28,700	33.4	197.9	26,400	44.0	207.3	24,100	140
144	5.9	157.1	27,600	28.9	191.1	25,500	40.5	202.8	23,200	144
145				27.7	189.4	25,200	39.7	201.7	23,000	145
150				20.8	178.3	24,100	35.0	195.2	22,000	150
155				9.9	160.0	22,900	29.6	187.2	21,000	155
156				5.6	152.7	22,700	28.3	185.2	20,800	156
160							23.1	177.1	20,100	160
165							14.2	162.3	19,100	165
168							1.7	140.8	18,500	168

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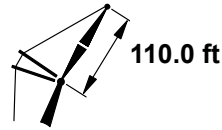
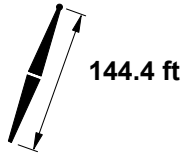
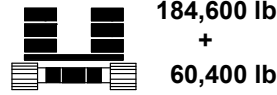
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	74.6	258.1	67,100 c							44
45	74.1	257.8	67,100 c							45
50	71.3	256.2	66,600 b							50
55	68.6	254.4	65,100 b							55
60	65.7	252.3	62,900							60
61	65.2	251.8	62,500	70.8	254.9	66,800 b				61
65	62.9	249.9	60,900	68.6	253.4	65,400 b				65
70	59.9	247.2	58,900	65.8	251.3	63,400				70
74	57.4	244.7	57,400	63.4	249.3	60,800	67.7	251.5	62,500	74
75	56.8	244.1	57,000	62.9	248.9	60,200	67.2	251.1	61,800	75
80	53.7	240.6	54,700	59.9	246.1	57,100	64.3	248.9	58,600	80
85	50.3	236.7	52,000	56.8	243.1	54,200	61.4	246.3	55,700	85
90	46.9	232.3	49,500	53.7	239.6	51,400	58.4	243.4	52,800	90
95	43.2	227.3	47,100	50.4	235.7	48,900	55.2	240.1	50,200	95
100	39.2	221.6	44,900	46.9	231.3	46,600	52.0	236.4	47,700	100
105	34.9	215.0	42,900	43.2	226.3	44,400	48.6	232.3	44,900	105
110	30.1	207.1	41,000	39.3	220.6	42,400	45.1	227.6	42,400	110
115	24.4	197.4	39,200	34.9	214.0	40,400	41.2	222.3	40,100	115
120	17.0	184.1	37,400	30.1	206.1	38,600	37.1	216.1	38,000	120
124	6.9	165.2	30,500	25.5	198.4	37,200	33.5	210.4	36,500	124
125				24.4	196.4	36,900	32.6	208.9	36,100	125
130				17.0	183.2	35,300	27.3	200.3	34,300	130
134				7.0	164.4	32,600	22.2	191.3	33,000	134
135							21.0	189.1	32,700	135
140							11.7	172.0	31,100	140
142							4.1	157.6	30,500	142
145										145
150										150
154										154
155										155
160										160
165										165
166										166
170										170
175										175
178										178

MLC200 S-3

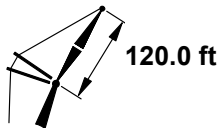
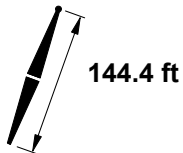
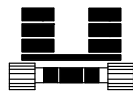
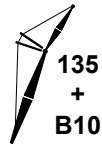
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44										44
45										45
50										50
55										55
60										60
61										61
65										65
70										70
74										74
75										75
80										80
85										85
90										90
95	62.7	244.6	47,100							95
100	59.7	241.8	44,200							100
105	56.7	238.7	41,600							105
110	53.5	235.2	39,200							110
115	50.2	231.3	37,100	57.9	236.0	34,100				115
120	46.7	226.9	35,100	54.7	232.7	32,300				120
124	43.7	222.8	33,700	52.1	229.7	31,000				124
125	43.0	221.8	33,400	51.5	228.9	30,600				125
130	39.0	216.1	31,700	48.1	224.7	29,100				130
134	35.5	210.7	30,500	45.2	220.8	28,000				134
135	34.7	209.4	30,200	44.5	219.9	27,700	52.5	225.1	25,300	135
140	29.8	201.5	28,800	40.6	214.4	26,400	49.2	221.1	24,100	140
142	27.5	197.5	28,300	38.9	211.9	26,000	47.7	219.2	23,700	142
145	24.0	191.6	27,500	36.4	208.2	25,200	45.6	216.5	23,000	145
150	16.5	178.1	26,300	31.8	200.8	24,100	41.8	211.2	22,000	150
154	5.6	157.6	25,300	27.5	193.6	23,300	38.6	206.4	21,200	154
155				26.4	191.8	23,100	37.8	205.2	21,000	155
160				19.8	180.1	22,100	33.3	198.2	20,100	160
165				9.4	160.9	21,100	28.2	189.8	19,200	165
166				5.4	153.2	20,900	27.0	187.7	19,100	166
170							22.1	179.1	18,400	170
175							13.5	163.6	17,600	175
178							1.6	141.0	17,100	178

MLC200 S-3

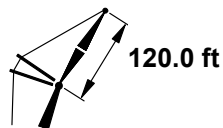
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	74.9	267.9	51,400 c						46	
50	72.9	266.7	50,600 b						50	
55	70.4	265.1	49,600 b						55	
60	67.9	263.2	48,700						60	
64	65.8	261.4	48,000	71.0	264.4	50,100 b			64	
65	65.3	261.0	47,800	70.4	264.1	49,900 b			65	
70	62.6	258.6	47,000	67.9	262.1	49,100			70	
75	59.9	255.8	46,200	65.3	260.0	48,400			75	
78	58.2	254.0	45,700	63.7	258.5	48,000	67.6	260.7	48,800	
80	57.1	252.8	45,400	62.6	257.5	47,700	66.6	259.8	48,600	
85	54.2	249.3	44,700	59.9	254.8	47,000	63.9	257.5	48,000	
90	51.2	245.5	44,000	57.1	251.7	46,300	61.3	255.0	47,400	
95	48.1	241.3	42,500	54.2	248.3	45,600	58.5	252.0	46,800	
100	44.8	236.5	41,000	51.2	244.5	44,400	55.6	248.8	45,400	
105	41.3	231.2	39,500	48.1	240.3	42,500	52.7	245.2	43,400	
110	37.5	225.1	38,300	44.8	235.5	40,600	49.6	241.2	41,400	
115	33.4	218.0	37,100	41.3	230.1	38,800	46.4	236.7	39,600	
120	28.8	209.7	36,000	37.5	224.1	37,200	43.0	231.6	37,700	
121	27.7	207.7	35,700	36.7	222.7	36,900	42.3	230.5	37,400	
125	23.3	199.5	34,600	33.4	217.0	35,600	39.4	225.9	35,800	
130	16.3	185.6	33,200	28.8	208.8	34,100	35.5	219.4	34,100	
134	6.6	165.8	27,000	24.4	200.6	33,000	32.0	213.3	32,800	
135				23.3	198.5	32,700	31.1	211.8	32,500	
140				16.3	184.7	31,300	26.2	202.6	31,000	
141				13.9	179.7	30,700	24.9	200.3	30,700	
144				6.7	165.0	29,000	21.3	193.2	29,800	
145							20.1	190.9	29,600	
150							11.2	173.0	28,200	
152							3.9	157.9	27,700	
155									155	
160									160	
164									164	
165									165	
170									170	
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176									176	
180									180	
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188									188	

MLC200 S-3

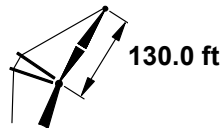
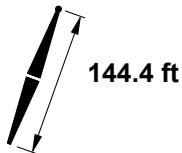
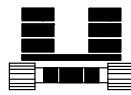
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46										46
50										50
55										55
60										60
64										64
65										65
70										70
75										75
78										78
80										80
85										85
90										90
95										95
100	62.5	253.2	43,800							100
105	59.7	250.5	41,200							105
110	56.9	247.4	38,800							110
115	54.0	244.0	36,700							115
120	51.0	240.1	34,800							120
121	50.4	239.3	34,400	57.5	244.0	31,600				121
125	47.9	235.9	33,000	55.2	241.4	30,300				125
130	44.6	231.1	31,400	52.2	237.7	28,700				130
134	41.8	226.7	30,200	49.7	234.4	27,600				134
135	41.1	225.7	29,900	49.1	233.6	27,400				135
140	37.3	219.5	28,500	45.9	229.0	26,100				140
141	36.5	218.1	28,200	45.2	228.0	25,800	52.6	233.1	23,500	141
144	34.0	213.9	27,500	43.2	224.9	25,100	50.7	230.7	22,800	144
145	33.2	212.5	27,200	42.5	223.9	24,900	50.1	229.9	22,600	145
150	28.5	204.1	26,000	38.8	218.1	23,800	46.9	225.5	21,600	150
152	26.3	199.9	25,600	37.2	215.4	23,400	45.6	223.5	21,200	152
155	23.0	193.7	24,900	34.8	211.4	22,700	43.6	220.5	20,600	155
160	15.8	179.5	23,800	30.4	203.6	21,800	40.0	215.0	19,700	160
164	5.4	158.1	22,900	26.3	196.0	21,000	36.9	209.8	19,100	164
165				25.3	194.1	20,800	36.1	208.6	18,900	165
170				18.9	181.8	20,000	31.8	201.1	18,100	170
175				9.0	161.7	19,100	27.0	192.3	17,300	175
176				5.2	153.6	18,900	25.8	190.0	17,200	176
180							21.1	181.1	16,600	180
185							12.9	164.7	15,900	185
188							1.6	141.1	15,400	188

MLC200 S-3

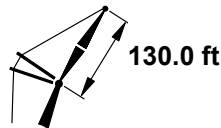
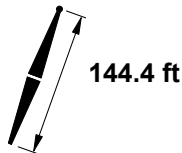
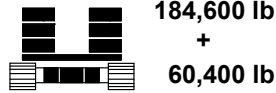
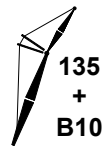
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	74.8	277.4	47,800 b							49
50	74.3	277.2	47,600 b							50
55	72.0	275.6	46,800							55
60	69.7	273.9	46,000							60
65	67.3	271.9	45,200							65
68	65.8	270.6	44,700	70.6	273.6	46,500				68
70	64.9	269.7	44,400	69.7	272.9	46,200				70
75	62.4	267.2	43,700	67.3	270.9	45,600				75
80	59.9	264.5	43,000	64.9	268.7	44,900				80
81	59.4	263.9	42,800	64.4	268.2	44,700	68.0	270.3	45,400	81
85	57.3	261.4	42,000	62.4	266.2	44,200	66.1	268.6	45,000	85
90	54.7	258.1	40,500	59.9	263.5	43,700	63.6	266.2	44,500	90
95	51.9	254.3	39,000	57.3	260.4	42,300	61.2	263.6	44,000	95
100	49.1	250.2	37,600	54.7	257.0	40,800	58.6	260.7	43,100	100
104	46.7	246.5	36,500	52.5	254.0	39,700	56.5	258.1	41,900	104
105	46.1	245.6	36,300	51.9	253.3	39,400	56.0	257.5	41,600	105
110	42.9	240.5	35,000	49.1	249.2	38,000	53.3	254.0	40,200	110
115	39.6	234.8	33,800	46.1	244.6	36,600	50.5	250.0	38,700	115
120	36.0	228.4	32,700	42.9	239.5	35,400	47.6	245.7	37,300	120
125	32.0	221.0	31,700	39.6	233.8	34,200	44.5	240.9	35,600	125
126	31.2	219.2	31,500	38.9	232.5	33,900	43.9	239.8	35,300	126
130	27.6	212.3	30,700	36.0	227.4	33,000	41.3	235.5	33,900	130
135	22.4	201.5	29,900	32.1	220.0	31,900	37.8	229.4	32,300	135
140	15.6	187.0	29,200	27.6	211.3	31,000	34.0	222.5	30,800	140
144	6.4	166.4	24,500	23.5	202.7	30,100	30.7	216.1	29,700	144
145				22.4	200.6	29,900	29.9	214.5	29,400	145
147				19.7	194.8	29,400	28.0	210.7	28,900	147
150				15.7	186.1	28,600	25.1	204.9	28,100	150
154				6.5	165.6	26,400	20.4	195.1	27,100	154
155							19.3	192.6	26,900	155
160							10.8	174.0	25,700	160
162							3.8	158.3	25,200	162
165										165
170										170
174										174
175										175
180										180
185										185
186										186
190										190
195										195
198										198

MLC200 S-3

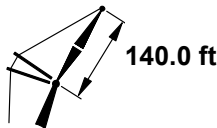
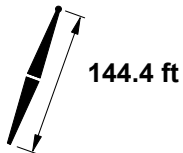
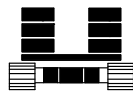
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49										49
50										50
55										55
60										60
65										65
68										68
70										70
75										75
80										80
81										81
85										85
90										90
95										95
100										100
104	62.8	262.4	41,400							104
105	62.3	261.9	40,900							105
110	59.8	259.1	38,600							110
115	57.2	256.1	36,500							115
120	54.5	252.7	34,500							120
125	51.8	248.9	32,800							125
126	51.2	248.1	32,500	57.7	252.7	29,700				126
130	48.9	244.8	31,200	55.6	250.1	28,500				130
135	45.9	240.2	29,700	52.9	246.5	27,100				135
140	42.8	235.1	28,300	50.0	242.5	25,800				140
144	40.1	230.5	27,300	47.7	238.9	24,900				144
145	39.4	229.3	27,000	47.1	238.1	24,700				145
147	37.9	226.7	26,500	45.9	236.1	24,200	52.6	241.1	21,900	147
150	35.8	222.8	25,800	44.0	233.2	23,500	50.9	238.8	21,300	150
154	32.6	216.9	24,900	41.4	228.8	22,700	48.6	235.3	20,600	154
155	31.8	215.4	24,700	40.7	227.7	22,500	48.0	234.5	20,400	155
160	27.4	206.6	23,700	37.2	221.5	21,600	45.0	229.7	19,500	160
162	25.2	202.2	23,300	35.7	218.7	21,200	43.7	227.6	19,200	162
165	22.1	195.7	22,700	33.4	214.4	20,600	41.8	224.5	18,700	165
170	15.2	180.9	21,700	29.2	206.2	19,800	38.4	218.5	17,900	170
174	5.2	158.6	20,900	25.2	198.3	19,100	35.4	213.1	17,300	174
175				24.3	196.3	19,000	34.6	211.7	17,100	175
180				18.2	183.4	18,200	30.6	203.9	16,400	180
185				8.7	162.4	17,400	25.9	194.6	15,800	185
186				5.0	154.1	17,300	24.8	192.3	15,600	186
190							20.3	182.9	15,100	190
195							12.4	165.8	14,500	195
198							1.5	141.3	14,100	198

MLC200 S-3

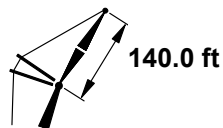
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	74.6	287.0	44,300 b							52
55	73.3	286.1	43,900							55
60	71.2	284.5	43,100							60
65	69.0	282.7	42,400							65
70	66.8	280.7	41,700							70
71	66.3	280.2	41,600	70.7	283.1	43,000				71
75	64.5	278.4	41,100	69.0	281.7	42,600				75
80	62.2	275.9	39,800	66.8	279.6	42,000				80
85	59.9	273.1	38,300	64.5	277.4	41,400	67.9	279.4	42,000	85
90	57.5	270.1	36,900	62.3	274.9	40,100	65.7	277.3	41,500	90
95	55.1	266.8	35,400	59.9	272.1	38,600	63.4	274.9	40,700	95
100	52.5	263.1	34,100	57.5	269.1	37,100	61.1	272.3	39,300	100
105	49.9	259.1	32,700	55.1	265.7	35,700	58.7	269.4	37,900	105
109	47.7	255.5	31,800	53.0	262.8	34,700	56.8	266.8	36,800	109
110	47.2	254.7	31,500	52.5	262.1	34,400	56.3	266.2	36,500	110
115	44.3	249.8	30,300	49.9	258.1	33,100	53.8	262.7	35,100	115
120	41.3	244.4	29,200	47.2	253.6	31,800	51.2	258.9	33,800	120
125	38.1	238.4	28,100	44.3	248.8	30,600	48.5	254.6	32,600	125
130	34.6	231.6	27,000	41.3	243.4	29,400	45.7	250.0	31,300	130
131	33.9	230.0	26,800	40.7	242.2	29,200	45.1	249.0	31,100	131
135	30.8	223.8	26,000	38.1	237.4	28,300	42.8	244.9	30,100	135
140	26.6	214.7	25,100	34.6	230.6	27,200	39.7	239.2	29,000	140
145	21.6	203.5	24,300	30.9	222.8	26,300	36.4	232.8	27,900	145
150	15.1	188.4	23,700	26.6	213.7	25,400	32.8	225.5	26,900	150
153	8.4	172.3	22,600	23.6	207.0	24,900	30.4	220.5	26,300	153
154	6.1	167.0	22,200	22.6	204.7	24,700	29.6	218.8	26,100	154
155				21.6	202.5	24,600	28.8	217.1	25,900	155
160				15.1	187.4	23,900	24.2	207.1	25,100	160
164				6.2	166.1	23,600	19.7	196.9	24,500	164
165							18.6	194.3	24,300	165
170							10.4	174.9	23,400	170
172							3.6	158.6	23,000	172
175										175
180										180
184										184
185										185
190										190
195										195
196										196
200										200
205										205
208										208

MLC200 S-3

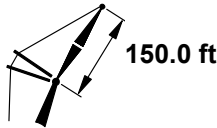
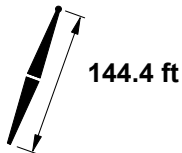
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52										52
55										55
60										60
65										65
70										70
71										71
75										75
80										80
85										85
90										90
95										95
100										100
105										105
109	62.6	271.1	38,700							109
110	62.1	270.6	38,200							110
115	59.8	267.8	36,100							115
120	57.4	264.7	34,200							120
125	54.9	261.4	32,400							125
130	52.4	257.7	30,800							130
131	51.9	256.9	30,500	57.8	261.4	27,800				131
135	49.7	253.7	29,300	55.9	258.8	26,700				135
140	47.0	249.2	28,000	53.4	255.2	25,500				140
145	44.1	244.3	26,700	50.8	251.3	24,300				145
150	41.1	238.9	25,500	48.1	247.0	23,200				150
153	39.2	235.3	24,800	46.4	244.2	22,600	52.6	249.1	20,400	153
154	38.5	234.0	24,600	45.8	243.3	22,400	52.1	248.3	20,200	154
155	37.9	232.8	24,400	45.3	242.3	22,200	51.6	247.6	20,000	155
160	34.4	226.0	23,400	42.3	237.1	21,200	48.9	243.4	19,100	160
164	31.4	219.7	22,600	39.8	232.5	20,500	46.7	239.8	18,400	164
165	30.6	218.2	22,400	39.2	231.3	20,300	46.2	238.8	18,300	165
170	26.3	208.9	21,500	35.8	224.8	19,500	43.3	233.8	17,500	170
172	24.3	204.4	21,100	34.4	221.8	19,100	42.0	231.5	17,200	172
175	21.3	197.6	20,600	32.2	217.4	18,700	40.2	228.2	16,800	175
180	14.6	182.2	19,700	28.1	208.8	17,900	36.9	221.9	16,100	180
184	5.0	159.0	19,100	24.3	200.5	17,300	34.1	216.2	15,500	184
185				23.4	198.4	17,200	33.3	214.8	15,400	185
190				17.5	185.0	16,500	29.4	206.6	14,800	190
195				8.4	163.2	15,800	24.9	196.9	14,200	195
196				4.8	154.5	15,600	23.8	194.4	14,100	196
200							19.5	184.6	13,600	200
205							12.0	166.9	13,000	205
208							1.5	141.4	12,700	208

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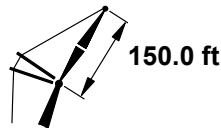
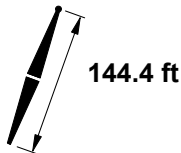
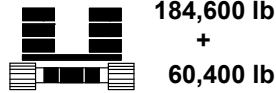
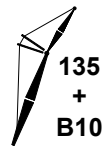
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	74.9	296.8	41,200 b							54
55	74.5	296.5	41,100							55
60	72.5	295.0	40,400							60
65	70.5	293.4	39,800							65
70	68.4	291.5	39,100							70
74	66.8	289.8	38,300	70.9	292.7	39,900				74
75	66.3	289.4	38,100	70.5	292.3	39,800				75
80	64.2	287.1	36,700	68.4	290.5	39,200				80
85	62.1	284.6	35,200	66.4	288.4	38,300				85
89	60.3	282.4	34,200	64.7	286.5	37,100	67.8	288.6	38,700	89
90	59.9	281.8	33,900	64.3	286.1	36,900	67.4	288.2	38,600	90
95	57.7	278.8	32,500	62.1	283.5	35,400	65.3	286.0	37,300	95
100	55.4	275.5	31,100	59.9	280.8	34,100	63.2	283.6	36,100	100
105	53.0	271.9	29,900	57.7	277.8	32,700	61.0	280.9	34,700	105
110	50.6	267.9	28,700	55.4	274.4	31,400	58.8	278.0	33,400	110
113	49.1	265.3	28,000	54.0	272.3	30,700	57.4	276.1	32,600	113
115	48.1	263.6	27,500	53.1	270.8	30,100	56.5	274.9	32,100	115
120	45.5	258.9	26,400	50.6	266.9	28,900	54.2	271.4	30,800	120
125	42.7	253.8	25,300	48.1	262.6	27,700	51.8	267.7	29,600	125
130	39.8	248.1	24,200	45.5	257.9	26,500	49.4	263.5	28,300	130
135	36.7	241.7	23,200	42.7	252.8	25,500	46.8	259.1	27,200	135
136	36.1	240.3	23,000	42.2	251.6	25,300	46.2	258.1	27,000	136
140	33.4	234.6	22,200	39.8	247.1	24,400	44.1	254.1	26,100	140
145	29.8	226.5	21,400	36.8	240.7	23,400	41.3	248.7	25,000	145
150	25.7	217.0	20,600	33.4	233.6	22,400	38.3	242.7	24,000	150
155	20.8	205.3	19,800	29.8	225.5	21,600	35.1	236.0	23,000	155
159	15.8	192.8	19,300	26.5	217.9	20,900	32.3	229.9	22,300	159
160	14.5	189.7	19,200	25.7	216.0	20,700	31.6	228.4	22,100	160
164	5.9	167.5	18,900	21.8	206.7	20,100	28.5	221.4	21,400	164
165				20.9	204.4	20,000	27.8	219.6	21,200	165
170				14.6	188.7	19,400	23.4	209.2	20,400	170
174				6.0	166.7	19,000	19.0	198.6	19,900	174
175							17.9	195.9	19,700	175
180							10.0	175.8	19,200	180
182							3.5	158.9	19,000	182
185										185
190										190
194										194
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205										205
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MLC200 S-3

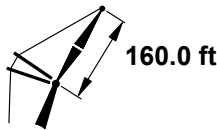
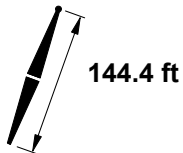
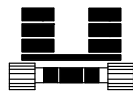
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54									54	
55									55	
60									60	
65									65	
70									70	
74									74	
75									75	
80									80	
85									85	
89									89	
90									90	
95									95	
100									100	
105									105	
110									110	
113	62.8	280.3	35,300						113	
115	62.0	279.2	34,800						115	
120	59.8	276.5	33,700						120	
125	57.6	273.4	32,300						125	
130	55.3	270.1	30,700						130	
135	52.9	266.5	29,200						135	
136	52.4	265.7	29,000	58.0	270.0	26,400			136	
140	50.5	262.5	27,900	56.2	267.5	25,400			140	
145	48.0	258.2	26,600	53.8	264.0	24,200			145	
150	45.3	253.5	25,400	51.4	260.1	23,100			150	
155	42.6	248.3	24,300	49.0	256.0	22,100			155	
159	40.3	243.7	23,500	46.9	252.3	21,300	52.7	257.1	19,200	
160	39.7	242.6	23,300	46.4	251.4	21,100	52.2	256.4	19,000	
164	37.2	237.5	22,500	44.2	247.4	20,400	50.2	253.1	18,400	
165	36.6	236.2	22,300	43.7	246.4	20,200	49.7	252.3	18,200	
170	33.2	229.0	21,400	40.8	240.9	19,400	47.2	247.9	17,400	
174	30.3	222.5	20,700	38.4	236.0	18,800	45.1	244.0	16,800	
175	29.6	220.8	20,600	37.8	234.8	18,600	44.5	243.0	16,700	
180	25.4	211.2	19,700	34.6	228.0	17,800	41.7	237.7	16,000	
182	23.5	206.5	19,400	33.2	224.9	17,600	40.5	235.3	15,700	
185	20.5	199.4	19,000	31.0	220.2	17,100	38.8	231.8	15,300	
190	14.1	183.4	18,200	27.1	211.2	16,500	35.6	225.2	14,700	
194	4.8	159.5	17,600	23.5	202.6	15,900	32.9	219.2	14,300	
195				22.6	200.4	15,800	32.2	217.7	14,100	
200				16.9	186.5	15,200	28.4	209.2	13,600	
205				8.1	163.9	14,600	24.1	199.0	13,000	
206				4.6	154.9	14,400	23.0	196.5	12,900	
210							18.9	186.3	12,500	
215							11.6	167.9	12,000	
218							1.4	141.5	11,700	

MLC200 S-3

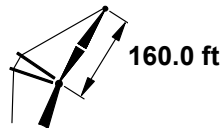
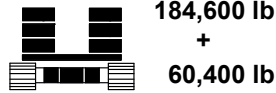
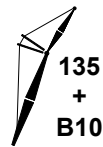
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
57	74.7	306.3	38,000						57	
60	73.6	305.5	37,700						60	
65	71.7	303.9	37,000						65	
70	69.8	302.2	36,200						70	
75	67.9	300.3	34,800						75	
77	67.1	299.4	34,300	71.0	302.2	36,700			77	
80	66.0	298.1	33,400	69.8	301.2	36,200			80	
85	64.0	295.8	32,000	67.9	299.2	34,900			85	
90	62.0	293.2	30,700	66.0	297.1	33,500			90	
93	60.7	291.6	29,900	64.8	295.7	32,700	67.7	297.8	34,500	93
95	59.9	290.5	29,400	64.0	294.8	32,200	66.9	296.9	34,000	95
100	57.8	287.4	28,100	62.0	292.2	30,800	65.0	294.7	32,700	100
105	55.7	284.2	26,800	59.9	289.4	29,600	63.0	292.3	31,400	105
110	53.5	280.6	25,600	57.8	286.4	28,300	60.9	289.6	30,200	110
115	51.2	276.8	24,500	55.7	283.1	27,000	58.9	286.7	28,900	115
118	49.8	274.2	23,800	54.4	281.0	26,300	57.6	284.8	28,200	118
120	48.9	272.6	23,400	53.5	279.6	25,800	56.8	283.6	27,700	120
125	46.5	268.0	22,300	51.2	275.7	24,700	54.6	280.1	26,400	125
130	44.0	263.0	21,200	48.9	271.6	23,600	52.4	276.4	25,300	130
135	41.3	257.6	20,300	46.5	267.0	22,400	50.1	272.4	24,100	135
140	38.5	251.6	19,300	44.0	262.0	21,400	47.7	268.1	23,100	140
142	37.3	249.0	18,900	42.9	259.9	21,000	46.7	266.1	22,600	142
145	35.5	245.0	18,400	41.3	256.6	20,400	45.2	263.3	22,000	145
150	32.3	237.6	17,600	38.5	250.6	19,500	42.6	258.1	21,000	150
155	28.8	229.1	16,700	35.6	244.0	18,500	39.9	252.4	20,000	155
160	24.8	219.2	16,000	32.3	236.6	17,700	37.0	246.1	19,100	160
165	20.2	207.1	15,400	28.8	228.1	16,900	34.0	239.1	18,200	165
170	14.1	190.9	14,600	24.9	218.2	16,100	30.6	231.2	17,400	170
174	5.7	168.0	13,900	21.1	208.6	15,600	27.6	223.9	16,800	174
175				20.2	206.2	15,500	26.9	222.1	16,600	175
180				14.1	190.0	14,700	22.6	211.2	15,800	180
184				5.8	167.2	14,000	18.4	200.2	15,300	184
185							17.4	197.5	15,200	185
190							9.7	176.7	14,300	190
192							3.4	159.2	13,900	192
195										195
200										200
204										204
205										205
210										210
215										215
216										216
220										220
225										225
228										228

MLC200 S-3

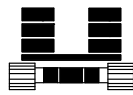
ASME B30.5



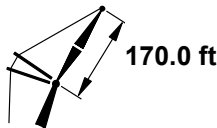
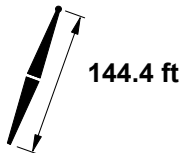
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57										57
60										60
65										65
70										70
75										75
77										77
80										80
85										85
90										90
93										93
95										95
100										100
105										105
110										110
115										115
118	62.7	289.0	30,900							118
120	61.9	287.9	30,400							120
125	59.8	285.1	29,200							125
130	57.7	282.1	28,100							130
135	55.6	278.8	26,900							135
140	53.4	275.2	25,700							140
142	52.5	273.7	25,300	57.7	278.1	24,500				142
145	51.1	271.4	24,700	56.4	276.1	23,800				145
150	48.8	267.1	23,600	54.2	272.7	22,700				150
155	46.3	262.6	22,500	52.0	268.9	21,700				155
160	43.8	257.6	21,500	49.7	264.9	20,800				160
165	41.2	252.1	20,500	47.3	260.4	19,900	52.7	265.1	17,800	165
170	38.4	246.1	19,600	44.8	255.6	19,000	50.4	261.2	17,000	170
174	36.0	240.8	18,800	42.7	251.4	18,400	48.5	257.7	16,500	174
175	35.4	239.4	18,700	42.2	250.3	18,300	48.1	256.9	16,300	175
180	32.2	232.0	17,800	39.5	244.6	17,500	45.6	252.2	15,600	180
184	29.3	225.1	17,200	37.1	239.4	16,900	43.5	248.1	15,100	184
185	28.6	223.4	17,000	36.6	238.2	16,800	43.0	247.0	15,000	185
190	24.6	213.5	16,200	33.4	231.0	16,100	40.3	241.4	14,400	190
192	22.7	208.6	16,000	32.1	227.8	15,900	39.2	238.9	14,100	192
195	19.9	201.2	15,600	30.0	222.9	15,500	37.5	235.2	13,800	195
200	13.7	184.6	14,700	26.2	213.6	14,900	34.4	228.3	13,200	200
204	4.7	159.9	14,100	22.7	204.6	14,400	31.8	222.1	12,800	204
205				21.8	202.4	14,300	31.1	220.6	12,700	205
210				16.4	187.9	13,800	27.5	211.7	12,200	210
215				7.8	164.6	13,200	23.3	201.1	11,700	215
216				4.5	155.3	13,100	22.3	198.5	11,600	216
220							18.3	187.9	11,300	220
225							11.2	168.9	10,800	225
228							1.4	141.6	10,500	228

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ASME B30.5



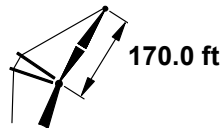
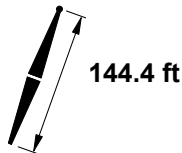
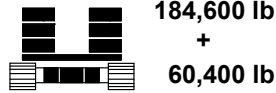
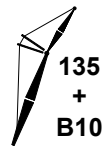
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
59	74.9	316.2	35,200							59
60	74.6	315.9	35,100							60
65	72.8	314.4	34,500							65
70	71.1	312.8	33,300							70
75	69.3	311.0	32,000							75
80	67.5	309.0	30,700							80
81	67.1	308.6	30,500	70.7	311.4	33,000				81
85	65.6	306.8	29,400	69.3	310.0	32,000				85
90	63.8	304.5	28,200	67.5	308.0	30,800				90
95	61.9	301.9	26,900	65.6	305.8	29,500				95
96	61.5	301.3	26,700	65.2	305.3	29,200	68.0	307.4	30,900	96
100	59.9	299.1	25,700	63.8	303.5	28,300	66.5	305.7	29,900	100
105	58.0	296.1	24,500	61.9	300.9	27,000	64.7	303.4	28,700	105
110	55.9	292.9	23,300	59.9	298.1	25,800	62.8	300.9	27,600	110
115	53.9	289.3	22,200	58.0	295.1	24,600	60.9	298.3	26,300	115
120	51.8	285.6	21,100	56.0	291.8	23,400	58.9	295.4	25,200	120
122	50.9	283.9	20,700	55.1	290.4	23,000	58.1	294.1	24,700	122
125	49.6	281.5	20,100	53.9	288.3	22,300	57.0	292.2	24,100	125
130	47.3	277.0	19,000	51.8	284.5	21,300	54.9	288.9	22,900	130
135	45.0	272.2	18,100	49.6	280.4	20,200	52.8	285.2	21,800	135
140	42.6	267.0	17,200	47.4	276.0	19,200	50.7	281.3	20,700	140
145	40.0	261.3	16,300	45.0	271.2	18,200	48.5	277.0	19,700	145
147	38.9	258.8	16,000	44.0	269.1	17,800	47.6	275.2	19,300	147
150	37.3	255.1	15,400	42.6	266.0	17,300	46.2	272.4	18,800	150
155	34.4	248.2	14,600	40.0	260.3	16,400	43.8	267.4	17,800	155
160	31.3	240.4	13,900	37.3	254.1	15,500	41.3	261.9	16,900	160
165	27.9	231.6	13,000	34.5	247.2	14,700	38.7	256.0	16,000	165
170	24.1	221.4	12,100	31.4	239.4	14,000	35.9	249.4	15,300	170
171	23.2	218.9	11,900	30.7	237.7	13,800	35.3	247.9	15,100	171
175	19.6	208.9	11,300	28.0	230.6	13,000	32.9	242.1	14,400	175
180	13.7	192.1	10,500	24.1	220.4	12,200	29.7	233.9	13,600	180
184	5.6	168.5	10,000	20.5	210.4	11,500	26.8	226.3	12,800	184
185				19.6	207.9	11,300	26.1	224.4	12,700	185
190				13.7	191.2	10,600	21.9	213.2	11,700	190
194				5.6	167.7	10,000	17.8	201.8	11,100	194
195							16.8	199.0	11,000	195
200							9.4	177.5	10,300	200
202							3.3	159.5	10,000	202
205										205
210										210
214										214
220										220
226										226
230										230
238										238

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ASME B30.5



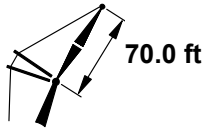
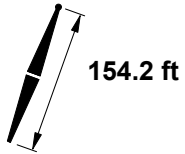
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
59										59
60										60
65										65
70										70
75										75
80										80
81										81
85										85
90										90
95										95
96										96
100										100
105										105
110										110
115										115
120										120
122	62.9	298.2	27,200							122
125	61.8	296.6	26,600							125
130	59.8	293.8	25,500							130
135	57.9	290.8	24,400							135
140	55.8	287.5	23,300							140
145	53.8	284.0	22,300							145
147	52.9	282.4	21,900	57.8	286.8	23,100				147
150	51.7	280.2	21,300	56.6	284.8	22,500				150
155	49.5	276.0	20,200	54.6	281.4	21,400				155
160	47.2	271.6	19,200	52.5	277.7	20,500				160
165	44.9	266.8	18,300	50.3	273.7	19,600				165
170	42.4	261.5	17,400	48.1	269.4	18,800				170
171	41.9	260.4	17,200	47.6	268.5	18,600	52.7	273.1	16,600	171
175	39.9	255.8	16,500	45.8	264.7	18,000	51.0	270.0	16,000	175
180	37.2	249.5	15,600	43.4	259.7	17,300	48.8	265.8	15,400	180
184	34.9	244.0	15,000	41.4	255.2	16,700	47.0	262.1	14,900	184
185	34.3	242.6	14,900	40.9	254.1	16,600	46.5	261.2	14,700	185
190	31.2	234.8	14,100	38.2	248.1	15,900	44.2	256.3	14,100	190
194	28.4	227.7	13,300	36.0	242.7	15,400	42.2	252.0	13,700	194
195	27.7	225.9	13,100	35.4	241.4	15,200	41.7	250.9	13,500	195
200	23.9	215.6	12,200	32.4	234.0	14,400	39.1	245.0	13,000	200
202	22.0	210.5	11,900	31.1	230.6	14,100	38.0	242.4	12,800	202
205	19.3	203.0	11,400	29.1	225.6	13,600	36.3	238.6	12,500	205
210	13.3	185.8	10,600	25.4	215.9	12,600	33.4	231.4	12,000	210
214	4.5	160.3	10,000	21.6	205.3	12,000	30.7	224.5	11,600	214
220				15.9	189.4	11,000	26.6	214.1	11,100	220
226				4.3	155.7	10,100	21.3	199.3	10,500	226
230							17.7	189.5	10,200	230
238							1.3	141.8	9,500	238

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ASME B30.5



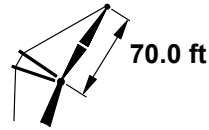
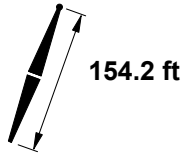
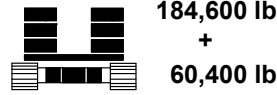
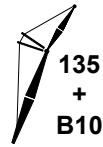
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	74.5	229.3	91,400 d						34	
35	73.7	229.0	91,400 d						35	
40	69.4	227.3	91,300 c						40	
45	64.9	225.2	91,200 c						45	
49	61.2	223.2	86,500 c	70.8	226.9	92,100 d			49	
50	60.3	222.6	85,400 b	70.0	226.5	91,200 c			50	
55	55.5	219.5	79,500 b	65.6	224.5	84,800 c			55	
60	50.3	215.7	74,300	61.0	221.9	79,000 b			60	
61	49.2	214.8	73,300	60.0	221.3	77,900 b	67.3	224.0	81,200 c	61
65	44.8	211.2	69,500	56.2	218.9	73,700 b	63.7	222.2	76,800 c	65
70	38.6	205.5	65,200	51.1	215.2	69,000	59.0	219.5	71,700 b	70
75	31.5	198.4	61,300	45.6	210.8	64,600	54.1	216.2	67,100 b	75
79	24.3	190.6	58,400	40.8	206.4	61,500	50.0	213.0	63,700 b	79
80	22.5	188.6	57,700	39.6	205.3	60,700	48.9	212.2	62,900	80
85	5.4	168.5	45,000	32.6	198.5	57,100	43.2	207.4	58,600	85
90				23.9	189.2	53,800	36.9	201.4	54,600	90
95				9.8	172.7	50,500	29.4	193.8	51,000	95
96				1.5	162.5	44,700	27.4	191.5	50,400	96
97							25.4	189.3	49,700	97
100							19.4	182.7	47,800	100
103							9.7	171.2	46,000	103
105										105
110										110
115										115
117										117
120										120
125										125
129										129
130										130
135										135
140										140
142										142

MLC200 S-3

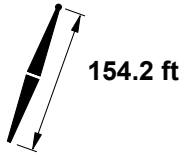
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34										34
35										35
40										40
45										45
49										49
50										50
55										55
60										60
61										61
65										65
70										70
75										75
79	62.9	218.6	59,200 b							79
80	62.0	218.1	58,300 b							80
85	57.2	215.2	54,100 b							85
90	52.2	211.6	50,400							90
95	46.8	207.4	47,200							95
96	45.6	206.3	46,600							96
97	44.4	205.3	46,000	58.0	211.4	42,300 b				97
100	40.9	202.2	44,300	55.0	209.4	40,700 b				100
103	36.9	198.2	42,700	51.9	207.1	39,200 b				103
105	34.2	195.6	41,600	49.8	205.6	38,300				105
110	26.0	187.0	39,300	44.2	200.9	36,100				110
115	14.0	173.3	37,000	38.0	195.2	34,100	52.3	202.2	31,100	115
117	2.8	159.7	36,100	35.1	192.3	33,400	50.2	200.5	30,500	117
120				30.8	187.9	32,300	46.9	197.9	29,500	120
125				21.5	177.7	30,600	41.0	192.7	28,000	125
129				8.9	163.0	29,300	35.7	187.6	26,800	129
130							34.4	186.3	26,500	130
135							26.2	177.7	25,200	135
140							14.4	164.2	24,000	140
142							4.4	152.1	23,400	142

MLC200 S-3

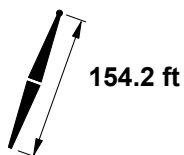
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37	74.3	238.8	84,300 d							37
40	72.0	237.9	84,100 c							40
45	68.2	236.1	83,900 c							45
50	64.3	233.9	82,800 b							50
53	61.9	232.4	79,600 b	70.3	236.1	84,400 c				53
55	60.3	231.3	77,400 b	68.8	235.3	82,200 c				55
60	56.0	228.2	72,500	64.9	233.2	76,800 b				60
64	52.5	225.3	68,900	61.6	231.1	72,900 b	68.0	233.6	75,500 c	64
65	51.6	224.5	68,000	60.8	230.6	72,000 b	67.2	233.2	74,600 c	65
70	46.9	220.2	64,000	56.7	227.6	67,400	63.3	230.9	69,900 b	70
75	41.8	215.1	60,300	52.3	224.0	63,400	59.2	228.1	65,600 b	75
80	36.0	208.9	56,900	47.6	219.8	59,700	54.9	224.9	61,600	80
84	30.7	202.7	54,400	43.5	215.8	56,900	51.3	221.8	58,800	84
85	29.4	201.1	53,800	42.5	214.8	56,200	50.4	221.1	58,000	85
90	21.0	190.5	50,900	36.9	208.8	53,100	45.6	216.6	54,300	90
95	5.1	168.9	39,800	30.4	201.3	50,200	40.3	211.2	50,800	95
100				22.4	191.2	47,500	34.4	204.6	47,700	100
103				14.5	180.6	46,000	30.2	199.6	46,000	103
105				9.2	173.5	44,900	27.4	196.3	44,800	105
106				1.4	162.7	39,800	25.6	193.9	44,300	106
110							18.2	184.4	42,200	110
113							9.0	172.0	40,800	113
115										115
120										120
121										121
125										125
127										127
130										130
135										135
139										139
140										140
145										145
150										150
152										152

MLC200 S-3

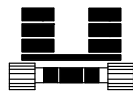
ASME B30.5



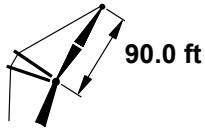
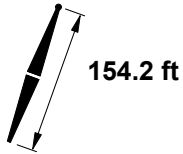
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37										37
40										40
45										45
50										50
53										53
55										55
60										60
64										64
65										65
70										70
75										75
80										80
84	62.5	227.3	54,500 b							84
85	61.7	226.8	53,700 b							85
90	57.6	223.8	50,100							90
95	53.2	220.4	46,800							95
100	48.6	216.3	43,900							100
103	45.6	213.4	42,400	57.4	219.5	38,800				103
105	43.6	211.5	41,300	55.6	218.1	37,900				105
106	42.5	210.4	40,900	54.7	217.4	37,400				106
110	38.1	205.7	39,000	51.2	214.4	35,700				110
113	34.4	201.5	37,700	48.3	211.8	34,500				113
115	31.9	198.6	36,900	46.4	210.1	33,800				115
120	24.3	189.2	34,900	41.3	204.8	32,000				120
121	22.1	186.3	34,500	40.1	203.6	31,600	52.4	210.2	28,800	121
125	13.1	174.5	33,000	35.5	198.5	30,300	48.7	206.9	27,600	125
127	2.6	159.9	32,200	32.8	195.3	29,700	46.7	205.0	27,000	127
130				28.7	190.6	28,800	43.7	202.1	26,200	130
135				20.1	179.5	27,400	38.3	196.3	24,900	135
139				8.4	163.7	26,200	33.3	190.7	23,900	139
140							32.1	189.2	23,700	140
145							24.5	180.0	22,600	145
150							13.5	165.4	21,500	150
152							4.1	152.5	21,000	152

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ASME B30.5



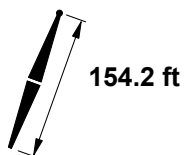
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39	74.7	248.7	77,100 d							39
40	74.1	248.4	77,000 c							40
45	70.7	246.8	76,700 c							45
50	67.3	244.9	76,300 b							50
55	63.8	242.6	74,600 b							55
56	63.1	242.1	73,800 b	70.5	245.6	77,100 c				56
60	60.2	240.0	70,800	67.8	244.1	74,700 b				60
65	56.5	236.9	66,600	64.3	241.9	70,200 b				65
68	54.1	234.7	64,300	62.2	240.3	67,700 b	67.8	242.8	69,800 b	68
70	52.6	233.3	62,800	60.8	239.3	66,000	66.4	241.9	68,200 b	70
75	48.5	229.2	59,300	57.0	236.3	62,200	62.9	239.6	64,200 b	75
80	44.1	224.4	56,200	53.2	232.8	58,700	59.3	236.8	60,500	80
85	39.3	218.8	53,100	49.1	228.7	55,500	55.5	233.6	57,100	85
88	36.1	214.8	51,500	46.4	225.9	53,700	53.1	231.4	55,200	88
90	33.9	212.1	50,400	44.7	224.0	52,500	51.5	229.9	54,000	90
95	27.7	203.7	47,900	40.0	218.6	49,800	47.3	225.6	50,600	95
100	19.8	192.3	45,500	34.7	212.0	47,200	42.8	220.6	47,500	100
105	4.8	169.4	35,700	28.7	203.9	44,900	37.9	214.7	44,700	105
108				24.1	197.4	43,500	34.6	210.5	43,200	108
110				21.1	193.1	42,600	32.4	207.6	42,200	110
115				8.7	174.3	40,400	25.8	198.6	39,900	115
116				1.3	162.8	35,700	24.1	196.1	39,500	116
120							17.1	185.9	37,800	120
123							8.5	172.7	36,500	123
125										125
127										127
130										130
135										135
137										137
140										140
145										145
149										149
150										150
155										155
160										160
162										162

MLC200 S-3

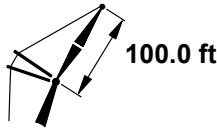
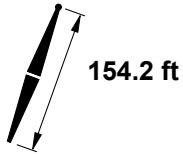
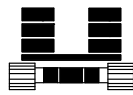
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39										39
40										40
45										45
50										50
55										55
56										56
60										60
65										65
68										68
70										70
75										75
80										80
85										85
88	63.0	236.5	51,200 b							88
90	61.5	235.4	49,800							90
95	57.8	232.5	46,600							95
100	54.0	229.1	43,700							100
105	49.9	225.2	41,200							105
108	47.4	222.5	39,800	57.7	228.1	36,300				108
110	45.6	220.7	38,800	56.1	226.8	35,500				110
115	41.0	215.4	36,700	52.2	223.2	33,500				115
116	40.0	214.1	36,300	51.4	222.4	33,200				116
120	35.9	209.1	34,800	48.1	219.1	31,800				120
123	32.4	204.5	33,700	45.4	216.1	30,800				123
125	30.0	201.4	33,000	43.6	214.2	30,100				125
127	27.2	197.4	32,300	41.7	211.9	29,500	52.5	218.2	26,800	127
130	22.9	191.3	31,400	38.8	208.5	28,600	50.1	215.8	26,000	130
135	12.3	175.6	29,800	33.4	201.6	27,300	45.8	211.2	24,700	135
137	2.4	160.1	29,100	30.9	198.2	26,700	43.9	209.1	24,200	137
140				27.1	193.0	26,000	41.1	206.0	23,500	140
145				18.9	181.3	24,700	36.0	199.7	22,400	145
149				7.9	164.5	23,800	31.4	193.6	21,600	149
150							30.2	192.0	21,400	150
155							23.1	182.1	20,400	155
160							12.7	166.6	19,500	160
162							3.9	152.8	19,000	162

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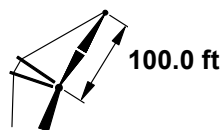
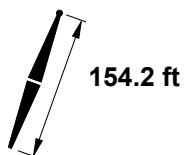
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	74.5	258.2	70,800 c						42	
45	72.7	257.3	70,600 c						45	
50	69.7	255.6	70,100 b						50	
55	66.6	253.6	69,500 b						55	
59	64.1	251.8	67,400 b	70.8	255.2	70,700 b			59	
60	63.5	251.3	66,800	70.1	254.8	70,700 b			60	
65	60.2	248.6	64,200	67.1	252.8	67,900 b			65	
70	56.9	245.6	61,200	63.9	250.6	64,100			70	
72	55.5	244.2	59,900	62.6	249.5	62,700	67.7	251.9	64,500 b	
75	53.4	242.1	58,000	60.7	247.9	60,600	65.8	250.6	62,300 b	
80	49.7	238.1	54,900	57.3	244.9	57,300	62.6	248.2	58,900	
85	45.8	233.6	52,100	53.9	241.5	54,300	59.3	245.4	55,700	
90	41.7	228.3	49,500	50.2	237.6	51,500	55.9	242.3	52,800	
93	39.0	224.7	48,100	47.9	234.9	49,900	53.8	240.1	51,200	
95	37.2	222.3	47,100	46.4	233.1	48,900	52.4	238.7	50,100	
100	32.1	215.0	44,900	42.3	228.0	46,500	48.7	234.6	47,200	
105	26.3	206.1	42,800	37.8	222.1	44,200	44.8	229.8	44,400	
110	18.8	194.0	40,700	32.9	215.0	42,100	40.5	224.4	41,900	
113	10.2	179.5	35,400	29.4	209.8	40,900	37.7	220.6	40,600	
115	4.6	169.8	31,900	27.2	206.4	40,100	35.9	218.1	39,700	
120				20.0	194.9	38,200	30.7	210.4	37,600	
125				8.2	175.0	36,200	24.5	200.9	35,700	
126				1.2	162.9	32,100	22.8	198.2	35,300	
130							16.2	187.4	33,900	
133							8.1	173.5	32,800	
135									135	
140									140	
145									145	
147									147	
150									150	
155									155	
159									159	
160									160	
165									165	
170									170	
172									172	

MLC200 S-3

ASME B30.5



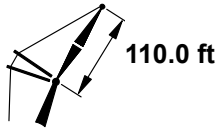
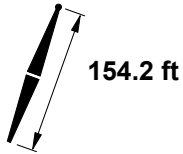
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42										42
45										45
50										50
55										55
59										59
60										60
65										65
70										70
72										72
75										75
80										80
85										85
90										90
93	62.7	245.2	47,400							93
95	61.4	244.1	46,200							95
100	58.1	241.2	43,300							100
105	54.6	237.9	40,800							105
110	51.0	234.1	38,500							110
113	48.7	231.5	37,200	57.9	236.8	33,900				113
115	47.2	229.7	36,400	56.5	235.5	33,100				115
120	43.2	224.8	34,500	53.0	232.0	31,400				120
125	38.8	219.0	32,700	49.4	228.0	29,800				125
126	37.8	217.7	32,400	48.6	227.0	29,500				126
130	34.0	212.2	31,100	45.5	223.4	28,300				130
133	30.7	207.3	30,200	42.9	220.2	27,400	52.6	226.2	24,800	133
135	28.5	204.0	29,600	41.3	218.1	26,900	51.1	224.6	24,300	135
140	21.7	193.3	28,200	36.7	211.9	25,600	47.3	220.3	23,100	140
145	11.7	176.6	26,800	31.6	204.5	24,400	43.3	215.3	22,000	145
147	2.3	160.3	26,200	29.2	200.9	24,000	41.5	213.0	21,600	147
150				25.7	195.4	23,300	38.9	209.6	21,000	150
155				17.9	182.9	22,300	34.1	202.9	20,100	155
159				7.5	165.1	21,400	29.7	196.3	19,400	159
160							28.6	194.6	19,200	160
165							21.9	184.0	18,300	165
170							12.1	167.7	17,500	170
172							3.7	153.2	17,100	172

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ASME B30.5



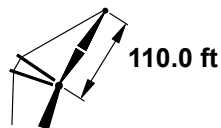
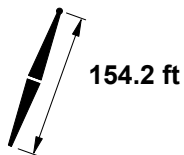
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	74.9	268.0	65,400 c							44
45	74.3	267.8	65,300 c							45
50	71.6	266.2	64,900 b							50
55	68.9	264.4	64,400 b							55
60	66.0	262.4	62,400							60
62	64.9	261.4	61,600	70.9	264.7	64,900 b				62
65	63.2	260.0	60,400	69.3	263.6	64,900 b				65
70	60.2	257.3	58,500	66.4	261.6	62,200				70
75	57.1	254.2	56,500	63.6	259.2	58,900				75
76	56.5	253.6	55,900	63.0	258.7	58,300	67.6	261.1	59,800	76
80	54.0	250.8	53,700	60.6	256.6	55,900	65.3	259.4	57,300	80
85	50.7	247.0	51,000	57.6	253.6	53,100	62.4	256.9	54,400	85
90	47.2	242.6	48,600	54.4	250.2	50,400	59.4	254.1	51,600	90
95	43.6	237.7	46,300	51.2	246.4	48,000	56.3	251.0	49,100	95
98	41.2	234.3	45,000	49.1	243.9	46,600	54.4	248.8	47,600	98
100	39.7	232.0	44,100	47.7	242.2	45,600	53.1	247.4	46,700	100
105	35.4	225.5	42,100	44.1	237.3	43,500	49.8	243.4	44,400	105
110	30.6	217.8	40,200	40.2	231.8	41,500	46.3	239.0	41,900	110
115	25.0	208.3	38,500	36.0	225.4	39,600	42.6	233.9	39,700	115
119	19.3	198.2	37,100	32.3	219.4	38,200	39.4	229.2	38,000	119
120	17.9	195.6	36,700	31.3	217.9	37,800	38.6	228.0	37,600	120
125	4.3	170.2	29,200	25.9	208.7	36,100	34.2	221.2	35,700	125
130				19.1	196.6	34,500	29.2	213.1	34,000	130
135				7.8	175.7	32,900	23.3	203.0	32,300	135
136				1.2	163.0	29,500	21.8	200.2	32,000	136
139							17.0	191.6	31,100	139
140							15.5	188.8	30,800	140
143							7.7	174.2	29,900	143
145										145
150										150
155										155
157										157
160										160
165										165
169										169
170										170
175										175
180										180
182										182

MLC200 S-3

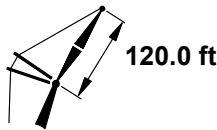
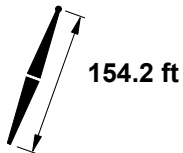
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44										44
45										45
50										50
55										55
60										60
62										62
65										65
70										70
75										75
76										76
80										80
85										85
90										90
95										95
98	62.4	253.8	44,400							98
100	61.2	252.8	43,300							100
105	58.2	249.9	40,700							105
110	55.1	246.6	38,400							110
115	51.9	242.9	36,300							115
119	49.2	239.5	34,800	57.5	244.8	31,700				119
120	48.5	238.7	34,400	56.9	244.2	31,300				120
125	44.9	234.0	32,700	53.7	240.7	29,700				125
130	41.1	228.6	31,100	50.4	236.8	28,200				130
135	36.9	222.4	29,600	46.9	232.4	26,900				135
136	36.0	221.0	29,300	46.2	231.4	26,600				136
139	33.3	216.6	28,500	44.0	228.4	25,900	52.6	234.2	23,300	139
140	32.4	215.2	28,200	43.2	227.4	25,600	52.0	233.4	23,100	140
143	29.2	210.0	27,500	40.9	224.0	24,900	49.9	230.9	22,400	143
145	27.1	206.5	26,900	39.3	221.7	24,500	48.6	229.2	22,000	145
150	20.7	195.2	25,700	35.0	215.1	23,400	45.0	224.5	21,000	150
155	11.2	177.6	24,600	30.1	207.3	22,300	41.2	219.2	20,100	155
157	2.2	160.5	24,100	27.8	203.4	22,000	39.5	216.7	19,700	157
160				24.4	197.6	21,400	37.1	213.0	19,200	160
165				17.1	184.4	20,400	32.5	205.8	18,400	165
169				7.1	165.8	19,700	28.3	198.9	17,800	169
170							27.3	197.1	17,600	170
175							20.9	185.9	16,900	175
180							11.5	168.7	16,100	180
182							3.5	153.5	15,800	182

MLC200 S-3

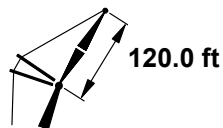
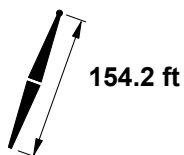
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47	74.7	277.6	50,400 c							47
50	73.2	276.7	49,800 b							50
55	70.7	275.1	48,900 b							55
60	68.1	273.2	48,000							60
65	65.5	271.1	47,200							65
66	65.0	270.6	47,000	70.5	273.9	49,100 b				66
70	62.9	268.7	46,400	68.5	272.4	48,500				70
75	60.2	265.9	45,600	65.9	270.3	47,800				75
79	57.9	263.5	45,000	63.8	268.4	47,200	68.0	270.7	48,100	79
80	57.4	262.9	44,800	63.3	267.9	47,100	67.5	270.3	48,000	80
85	54.5	259.5	44,100	60.6	265.3	46,400	64.8	268.1	47,400	85
90	51.5	255.8	43,500	57.8	262.3	45,800	62.2	265.6	46,800	90
95	48.4	251.6	42,500	54.9	258.9	45,200	59.4	262.8	46,300	95
100	45.1	246.9	41,000	51.9	255.2	43,600	56.6	259.7	44,400	100
102	43.7	244.7	40,500	50.7	253.6	42,800	55.5	258.3	43,600	102
105	41.6	241.6	39,600	48.8	251.1	41,700	53.7	256.2	42,400	105
110	37.9	235.6	38,300	45.6	246.5	39,800	50.7	252.3	40,500	110
115	33.8	228.6	37,100	42.1	241.3	38,100	47.5	248.0	38,700	115
120	29.3	220.5	35,500	38.5	235.4	36,400	44.2	243.1	37,000	120
124	25.0	212.5	34,300	35.2	229.9	35,100	41.4	238.7	35,700	124
125	23.9	210.5	34,000	34.4	228.6	34,800	40.7	237.6	35,400	125
130	17.1	197.2	32,600	30.0	220.7	33,400	36.9	231.4	33,700	130
135	4.2	170.5	25,900	24.8	211.0	32,000	32.7	224.2	32,100	135
140				18.2	198.3	30,600	27.9	215.7	30,600	140
145				7.5	176.4	29,300	22.3	205.0	29,200	145
146				1.1	163.1	26,300	20.8	202.0	28,900	146
150							14.8	190.1	27,900	150
153							7.4	174.8	27,100	153
155										155
160										160
165										165
167										167
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175										175
179										179
180										180
185										185
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192										192

MLC200 S-3

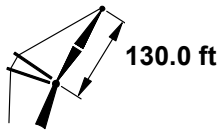
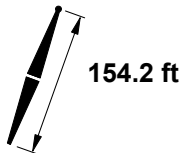
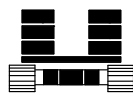
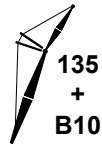
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47										47
50										50
55										55
60										60
65										65
66										66
70										70
75										75
79										79
80										80
85										85
90										90
95										95
100										100
102	62.8	263.0	41,800							102
105	61.1	261.4	40,400							105
110	58.4	258.5	38,100							110
115	55.5	255.3	36,000							115
120	52.6	251.6	34,100							120
124	50.1	248.4	32,700	57.7	253.5	29,600				124
125	49.5	247.6	32,300	57.1	252.9	29,300				125
130	46.3	243.1	30,700	54.2	249.5	27,900				130
135	42.9	238.0	29,300	51.2	245.7	26,500				135
140	39.3	232.3	27,900	48.1	241.4	25,300				140
145	35.3	225.7	26,600	44.8	236.7	24,100	52.7	242.2	21,600	145
146	34.4	224.2	26,400	44.1	235.6	23,900	52.0	241.4	21,400	146
150	30.9	218.0	25,500	41.3	231.3	23,000	49.6	238.1	20,600	150
153	27.9	212.5	24,800	39.0	227.7	22,400	47.7	235.4	20,100	153
155	25.9	208.8	24,300	37.5	225.2	22,000	46.4	233.6	19,700	155
160	19.8	196.9	23,300	33.4	218.2	21,100	43.0	228.6	18,800	160
165	10.7	178.6	22,300	28.8	209.9	20,200	39.4	222.9	18,000	165
167	2.1	160.7	21,800	26.6	205.8	19,800	37.8	220.2	17,700	167
170				23.4	199.7	19,300	35.4	216.3	17,300	170
175				16.4	185.9	18,500	31.1	208.7	16,500	175
179				6.8	166.4	17,800	27.1	201.3	16,000	179
180							26.1	199.5	15,800	180
185							20.0	187.7	15,200	185
190							11.0	169.7	14,500	190
192							3.3	153.8	14,200	192

MLC200 S-3

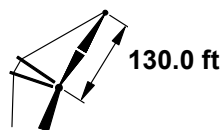
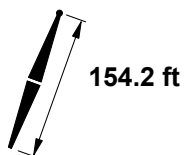
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	75.0	287.4	47,100 b							49
50	74.5	287.1	46,900 b							50
55	72.2	285.6	46,100 b							55
60	69.9	283.9	45,300							60
65	67.5	282.0	44,500							65
69	65.6	280.2	44,000	70.7	283.4	45,700				69
70	65.1	279.8	43,800	70.2	283.1	45,600				70
75	62.7	277.3	43,100	67.9	281.2	45,000				75
80	60.2	274.6	42,500	65.5	279.0	44,300				80
83	58.6	272.8	42,100	64.0	277.6	44,000	67.9	279.8	44,600	83
85	57.6	271.6	41,800	63.0	276.6	43,700	66.9	279.0	44,400	85
90	54.9	268.2	40,400	60.5	273.9	43,100	64.5	276.8	43,900	90
95	52.2	264.6	39,000	58.0	270.9	42,400	62.0	274.2	43,500	95
100	49.4	260.5	37,600	55.3	267.6	41,000	59.5	271.4	43,000	100
105	46.4	256.0	36,300	52.6	264.0	39,600	56.9	268.3	41,500	105
107	45.1	253.9	35,800	51.5	262.4	39,000	55.8	267.0	40,800	107
110	43.3	250.9	35,100	49.8	260.0	38,200	54.2	264.9	39,700	110
115	39.9	245.3	33,900	46.8	255.5	36,900	51.5	261.1	38,000	115
120	36.4	238.9	32,800	43.7	250.6	35,600	48.6	256.9	36,400	120
125	32.5	231.6	31,700	40.4	245.0	34,400	45.6	252.3	34,900	125
129	29.0	224.8	30,900	37.6	240.0	33,300	43.0	248.1	33,700	129
130	28.1	223.1	30,800	36.9	238.8	33,000	42.4	247.1	33,400	130
135	23.0	212.6	29,900	33.0	231.6	31,700	39.0	241.3	31,900	135
140	16.4	198.6	29,300	28.8	223.3	30,400	35.4	234.7	30,400	140
145	4.0	170.9	23,600	23.8	213.1	29,200	31.4	227.1	29,100	145
150				17.5	199.9	28,000	26.8	218.1	27,800	150
151				15.4	195.3	27,700	25.8	215.9	27,500	151
155				7.2	177.0	26,800	21.4	206.9	26,600	155
156				1.1	163.2	23,900	20.0	203.8	26,300	156
160							14.2	191.4	25,400	160
163							7.1	175.4	24,800	163
165										165
170										170
175										175
177										177
180										180
185										185
189										189
190										190
195										195
200										200
202										202

MLC200 S-3

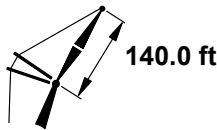
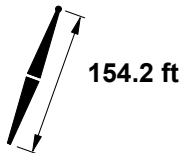
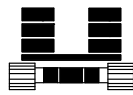
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49										49
50										50
55										55
60										60
65										65
69										69
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
105										105
107	62.6	271.7	39,100							107
110	61.1	270.1	37,800							110
115	58.5	267.2	35,700							115
120	55.9	264.0	33,800							120
125	53.2	260.4	32,100							125
129	50.9	257.2	30,800	57.9	262.2	27,900				129
130	50.4	256.5	30,500	57.3	261.6	27,600				130
135	47.4	252.1	29,000	54.7	258.2	26,200				135
140	44.4	247.3	27,700	51.9	254.5	25,000				140
145	41.1	241.8	26,400	49.1	250.3	23,900				145
150	37.7	235.8	25,300	46.1	245.8	22,800				150
151	36.9	234.4	25,000	45.5	244.7	22,600	52.7	250.2	20,200	151
155	33.9	228.8	24,200	43.0	240.7	21,800	50.4	247.0	19,400	155
156	33.1	227.2	24,000	42.3	239.5	21,600	49.9	246.1	19,300	156
160	29.7	220.7	23,100	39.6	235.0	20,800	47.5	242.6	18,600	160
163	26.8	214.9	22,600	37.5	231.1	20,300	45.7	239.7	18,100	163
165	24.9	211.1	22,200	36.0	228.5	20,000	44.5	237.8	17,800	165
170	19.0	198.7	21,200	32.1	221.1	19,100	41.2	232.4	17,000	170
175	10.3	179.5	20,300	27.7	212.4	18,300	37.8	226.4	16,300	175
177	2.0	160.9	20,000	25.6	208.2	18,000	36.2	223.6	16,000	177
180				22.5	201.7	17,600	34.0	219.4	15,600	180
185				15.7	187.3	16,900	29.8	211.4	15,000	185
189				6.6	167.0	16,300	26.0	203.7	14,500	189
190							25.0	201.8	14,400	190
195							19.2	189.4	13,800	195
200							10.6	170.6	13,200	200
202							3.2	154.1	12,900	202

MLC200 S-3

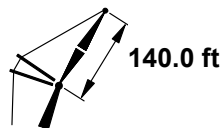
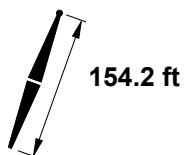
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
52	74.8	296.9	43,700 b						52	
55	73.5	296.1	43,200 b						55	
60	71.4	294.5	42,500						60	
65	69.2	292.7	41,800						65	
70	67.0	290.7	41,200						70	
72	66.1	289.8	40,900	70.8	293.0	42,400			72	
75	64.8	288.5	40,500	69.5	291.9	42,000			75	
80	62.5	286.0	39,700	67.3	289.9	41,400			80	
85	60.2	283.3	38,200	65.1	287.7	40,900			85	
87	59.2	282.1	37,700	64.2	286.7	40,600	67.8	289.0	41,300	87
90	57.8	280.3	36,800	62.8	285.3	40,100	66.4	287.7	41,000	90
95	55.3	277.0	35,500	60.5	282.6	38,700	64.2	285.4	40,500	95
100	52.8	273.3	34,200	58.1	279.6	37,300	61.9	282.9	39,500	100
105	50.2	269.3	32,800	55.7	276.3	36,000	59.5	280.1	38,100	105
110	47.4	265.0	31,600	53.1	272.8	34,600	57.1	277.0	36,700	110
111	46.9	264.0	31,400	52.6	272.0	34,300	56.6	276.3	36,500	111
115	44.6	260.1	30,400	50.5	268.8	33,300	54.6	273.6	35,500	115
120	41.6	254.8	29,300	47.8	264.5	32,100	52.1	269.9	34,100	120
125	38.4	248.8	28,100	45.0	259.8	30,900	49.5	265.8	32,900	125
130	35.0	242.1	27,100	42.0	254.5	29,700	46.7	261.3	31,700	130
135	31.3	234.5	26,200	38.9	248.6	28,600	43.8	256.4	30,500	135
140	27.1	225.5	25,200	35.5	242.0	27,500	40.8	250.9	29,400	140
145	22.1	214.6	24,500	31.8	234.5	26,500	37.5	244.7	28,300	145
150	15.8	200.0	23,800	27.7	225.8	25,600	34.0	237.8	27,200	150
155	3.8	171.2	21,300	22.9	215.2	24,700	30.2	229.8	26,300	155
157				20.5	209.7	24,500	28.4	226.1	25,900	157
160				16.9	201.4	24,100	25.8	220.4	25,200	160
165				6.9	177.6	23,600	20.6	208.8	24,200	165
166				1.0	163.3	21,700	19.3	205.6	24,000	166
170							13.7	192.6	23,200	170
173							6.8	176.1	22,500	173
175										175
180										180
185										185
187										187
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195										195
199										199
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212										212

MLC200 S-3

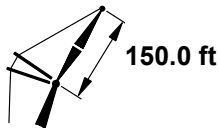
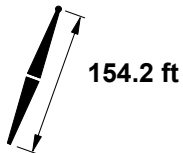
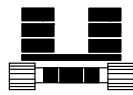
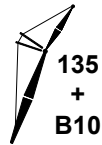
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52										52
55										55
60										60
65										65
70										70
72										72
75										75
80										80
85										85
87										87
90										90
95										95
100										100
105										105
110										110
111	62.8	280.9	37,000							111
115	61.0	278.8	35,300							115
120	58.6	275.8	33,500							120
125	56.2	272.6	31,700							125
130	53.7	269.1	30,200							130
135	51.1	265.3	28,700	57.5	270.2	25,800				135
140	48.4	261.1	27,300	55.1	266.9	24,600				140
145	45.6	256.4	26,100	52.5	263.2	23,500				145
150	42.7	251.2	24,900	49.9	259.2	22,400				150
155	39.6	245.5	23,800	47.2	254.8	21,400				155
157	38.2	242.9	23,400	46.0	252.8	21,000	52.7	258.2	18,700	157
160	36.2	239.1	22,800	44.3	249.9	20,500	51.2	255.8	18,200	160
165	32.6	231.8	21,900	41.3	244.5	19,600	48.5	251.6	17,400	165
166	31.8	230.1	21,700	40.7	243.3	19,400	47.9	250.7	17,200	166
170	28.6	223.3	21,000	38.1	238.5	18,800	45.7	247.0	16,600	170
173	25.8	217.3	20,500	36.0	234.4	18,300	43.9	243.9	16,200	173
175	24.0	213.2	20,100	34.7	231.7	18,000	42.8	241.8	15,900	175
180	18.3	200.3	19,300	30.9	224.0	17,300	39.7	236.1	15,300	180
185	9.9	180.4	18,500	26.6	214.9	16,600	36.3	229.7	14,600	185
187	1.9	161.1	18,100	24.6	210.4	16,300	34.9	226.8	14,400	187
190				21.6	203.7	15,900	32.7	222.4	14,000	190
195				15.1	188.6	15,300	28.7	214.0	13,500	195
199				6.3	167.5	14,700	25.0	206.0	13,000	199
200							24.1	203.9	12,900	200
205							18.5	191.1	12,400	205
210							10.2	171.5	11,800	210
212							3.1	154.3	11,600	212

MLC200 S-3

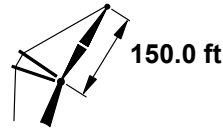
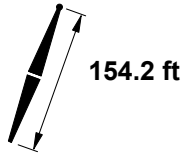
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	74.7	306.5	40,500 b							55
60	72.7	305.0	39,900							60
65	70.7	303.4	39,100							65
70	68.6	301.5	38,600							70
75	66.6	299.5	37,900	70.9	302.5	39,300				75
80	64.5	297.2	36,500	68.9	300.7	38,800				80
85	62.3	294.7	35,200	66.9	298.7	38,200				85
90	60.1	291.9	33,800	64.8	296.4	36,900				90
91	59.7	291.3	33,600	64.3	295.9	36,600	67.7	298.2	38,000	91
95	57.9	288.9	32,500	62.6	293.9	35,500	66.0	296.5	37,500	95
100	55.6	285.6	31,200	60.5	291.2	34,200	63.9	294.1	36,200	100
105	53.3	282.1	29,900	58.2	288.3	32,900	61.7	291.6	34,900	105
110	50.9	278.2	28,700	56.0	285.0	31,600	59.6	288.8	33,600	110
115	48.4	273.9	27,500	53.6	281.5	30,300	57.3	285.7	32,400	115
116	47.8	273.0	27,300	53.1	280.7	30,100	56.9	285.0	32,200	116
120	45.7	269.3	26,500	51.2	277.7	29,200	55.0	282.3	31,200	120
125	43.0	264.2	25,300	48.7	273.5	28,000	52.7	278.7	29,900	125
130	40.1	258.5	24,300	46.1	268.9	26,800	50.2	274.7	28,800	130
135	37.1	252.3	23,300	43.4	263.8	25,700	47.7	270.3	27,600	135
140	33.8	245.2	22,400	40.6	258.3	24,700	45.0	265.6	26,500	140
145	30.2	237.2	21,500	37.5	252.1	23,600	42.3	260.3	25,400	145
150	26.1	227.9	20,700	34.3	245.2	22,700	39.3	254.5	24,400	150
155	21.4	216.5	19,900	30.7	237.3	21,800	36.2	248.1	23,400	155
160	15.3	201.4	19,200	26.7	228.2	21,000	32.9	240.8	22,400	160
163	8.3	183.5	19,000	23.9	221.6	20,500	30.6	235.8	21,900	163
165	3.7	171.5	18,900	22.1	217.2	20,200	29.1	232.5	21,600	165
170				16.3	202.8	19,500	24.9	222.7	20,700	170
175				6.7	178.2	19,000	19.9	210.6	19,900	175
176				1.0	163.4	19,000	18.6	207.2	19,800	176
180							13.2	193.8	19,400	180
183							6.6	176.6	19,100	183
185										185
190										190
195										195
197										197
200										200
205										205
209										209
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MLC200 S-3

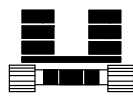
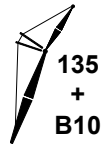
ASME B30.5



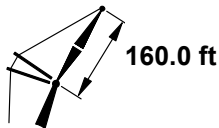
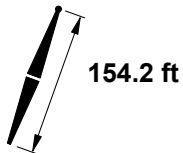
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
91										91
95										95
100										100
105										105
110										110
115										115
116	62.7	289.6	34,800							116
120	60.9	287.4	33,400							120
125	58.7	284.5	31,600							125
130	56.4	281.3	30,100							130
135	54.1	277.9	28,600							135
140	51.7	274.1	27,300	57.7	278.9	24,500				140
145	49.3	270.0	26,000	55.4	275.6	23,400				145
150	46.7	265.5	24,900	53.1	272.0	22,300				150
155	44.0	260.5	23,800	50.6	268.1	21,300				155
160	41.2	255.1	22,800	48.1	263.8	20,400				160
163	39.4	251.5	22,200	46.5	261.0	19,900	52.8	266.2	17,600	163
165	38.2	249.0	21,800	45.5	259.1	19,500	51.8	264.6	17,300	165
170	35.0	242.3	20,900	42.8	253.9	18,700	49.3	260.5	16,600	170
175	31.5	234.7	20,100	39.9	248.2	17,900	46.7	256.0	15,900	175
176	30.7	232.9	19,900	39.2	247.0	17,800	46.2	255.0	15,700	176
180	27.6	225.9	19,300	36.8	241.9	17,200	44.1	251.1	15,200	180
183	24.9	219.5	18,800	34.8	237.6	16,800	42.4	247.8	14,800	183
185	23.2	215.3	18,500	33.5	234.8	16,500	41.2	245.7	14,600	185
190	17.7	201.9	17,800	29.8	226.7	15,900	38.3	239.6	14,000	190
195	9.6	181.2	17,100	25.7	217.2	15,200	35.1	232.9	13,400	195
197	1.9	161.3	16,800	23.8	212.5	15,000	33.7	229.9	13,200	197
200				20.9	205.6	14,600	31.6	225.3	12,900	200
205				14.6	189.9	14,100	27.7	216.5	12,400	205
209				6.1	168.1	13,600	24.2	208.1	12,000	209
210							23.3	206.0	11,900	210
215							17.8	192.7	11,400	215
220							9.8	172.4	10,900	220
222							3.0	154.6	10,700	222

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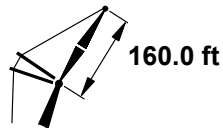
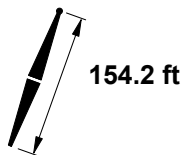
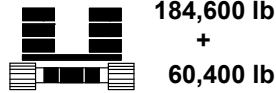
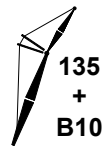
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57	74.9	316.3	37,500							57
60	73.8	315.5	37,100							60
65	71.9	313.9	36,500							65
70	70.0	312.2	35,900							70
75	68.1	310.3	34,600							75
79	66.5	308.6	33,600	70.7	311.7	36,000				79
80	66.2	308.2	33,300	70.3	311.4	35,900				80
85	64.2	305.9	32,000	68.4	309.5	34,800				85
90	62.2	303.3	30,700	66.4	307.4	33,600				90
94	60.5	301.1	29,600	64.9	305.6	32,500	68.0	307.8	34,300	94
95	60.1	300.6	29,400	64.5	305.1	32,300	67.6	307.3	34,100	95
100	58.0	297.6	28,100	62.5	302.6	31,000	65.6	305.2	32,900	100
105	55.9	294.3	26,900	60.4	299.9	29,800	63.7	302.8	31,600	105
110	53.7	290.8	25,700	58.3	296.9	28,500	61.6	300.2	30,400	110
115	51.5	287.0	24,500	56.2	293.7	27,300	59.6	297.4	29,200	115
120	49.1	282.8	23,400	54.0	290.2	26,100	57.5	294.4	28,000	120
125	46.7	278.3	22,400	51.8	286.5	24,900	55.3	291.0	26,800	125
130	44.2	273.4	21,400	49.5	282.4	23,800	53.1	287.4	25,700	130
135	41.6	268.0	20,300	47.1	277.9	22,700	50.9	283.5	24,500	135
140	38.8	262.1	19,400	44.6	273.0	21,700	48.5	279.3	23,400	140
145	35.9	255.6	18,500	42.0	267.7	20,700	46.1	274.7	22,400	145
150	32.7	248.2	17,700	39.2	261.9	19,700	43.5	269.6	21,300	150
155	29.2	239.9	16,900	36.3	255.4	18,800	40.9	264.1	20,400	155
160	25.3	230.2	16,100	33.1	248.2	17,900	38.0	258.0	19,400	160
165	20.7	218.4	15,400	29.7	240.0	17,100	35.0	251.3	18,500	165
169	16.0	205.9	14,900	26.6	232.4	16,500	32.4	245.2	17,900	169
170	14.8	202.7	14,700	25.9	230.5	16,300	31.8	243.7	17,700	170
175	3.6	171.9	13,900	21.4	219.1	15,600	28.2	235.0	16,900	175
180				15.8	204.2	14,900	24.1	224.9	16,100	180
185				6.5	178.8	14,100	19.3	212.3	15,400	185
186				1.0	163.5	13,900	18.0	208.8	15,300	186
190							12.8	194.9	14,700	190
193							6.4	177.2	14,100	193
195										195
200										200
205										205
207										207
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215										215
219										219
220										220
225										225
230										230
232										232

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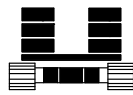
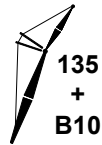
ASME B30.5



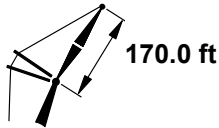
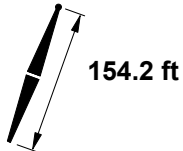
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57										57
60										60
65										65
70										70
75										75
79										79
80										80
85										85
90										90
94										94
95										95
100										100
105										105
110										110
115										115
120	62.9	298.8	30,800							120
125	60.9	296.1	29,600							125
130	58.8	293.2	28,500							130
135	56.7	290.0	27,400							135
140	54.5	286.6	26,300							140
145	52.3	282.9	25,200	57.9	287.6	23,000				145
150	50.0	278.8	24,100	55.7	284.3	21,900				150
155	47.6	274.5	23,100	53.5	280.7	20,900				155
160	45.1	269.7	22,000	51.3	276.9	20,000				160
165	42.5	264.5	21,100	48.9	272.7	19,200				165
169	40.3	259.9	20,300	47.0	269.1	18,500	52.8	274.2	16,300	169
170	39.8	258.8	20,100	46.5	268.2	18,300	52.3	273.4	16,200	170
175	36.9	252.4	19,200	44.0	263.2	17,600	50.0	269.4	15,500	175
180	33.8	245.4	18,300	41.3	257.8	16,900	47.6	265.0	14,800	180
185	30.5	237.4	17,500	38.5	251.8	16,200	45.2	260.3	14,200	185
186	29.7	235.6	17,300	37.9	250.5	16,000	44.7	259.2	14,100	186
190	26.7	228.3	16,700	35.6	245.2	15,500	42.6	255.1	13,600	190
193	24.1	221.7	16,200	33.6	240.7	15,200	41.0	251.6	13,300	193
195	22.4	217.3	15,900	32.4	237.7	14,900	39.9	249.3	13,000	195
200	17.1	203.4	15,300	28.8	229.3	14,300	37.0	243.0	12,500	200
205	9.3	182.1	14,400	24.9	219.4	13,800	33.9	236.0	12,000	205
207	1.8	161.4	14,100	23.0	214.6	13,600	32.6	232.8	11,800	207
210				20.2	207.4	13,200	30.6	228.1	11,500	210
215				14.2	191.2	12,700	26.8	218.9	11,100	215
219				5.9	168.6	12,300	23.4	210.2	10,700	219
220							22.5	208.1	10,600	220
225							17.3	194.2	10,200	225
230							9.5	173.2	9,700	230
232							2.9	154.9	9,500	232

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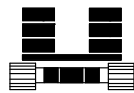
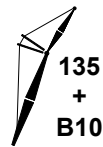
184,600 lb
+
60,400 lb



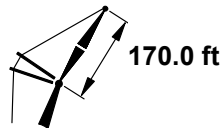
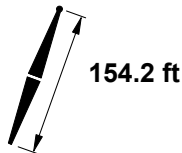
ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	74.8	325.9	34,600							60
65	73.0	324.4	34,000							65
70	71.2	322.8	33,200							70
75	69.5	321.0	31,900							75
80	67.6	319.1	30,600							80
82	66.9	318.2	30,100	70.8	321.3	32,700				82
85	65.8	316.9	29,400	69.7	320.2	32,000				85
90	63.9	314.6	28,100	67.9	318.2	30,800				90
95	62.1	312.0	26,900	66.1	316.1	29,600				95
98	60.9	310.3	26,200	64.9	314.7	28,900	67.9	316.9	30,600	98
100	60.1	309.2	25,700	64.2	313.8	28,400	67.2	316.1	30,100	100
105	58.2	306.3	24,500	62.3	311.3	27,200	65.3	313.9	29,000	105
110	56.2	303.0	23,400	60.4	308.6	26,000	63.4	311.5	27,800	110
115	54.1	299.5	22,200	58.4	305.6	24,800	61.5	308.9	26,700	115
120	52.0	295.8	21,200	56.4	302.4	23,700	59.6	306.1	25,500	120
125	49.8	291.7	20,100	54.4	299.0	22,600	57.6	303.0	24,400	125
130	47.6	287.3	19,200	52.3	295.2	21,500	55.6	299.7	23,300	130
135	45.3	282.6	18,200	50.1	291.2	20,400	53.6	296.2	22,200	135
140	42.8	277.4	17,300	47.9	286.9	19,500	51.4	292.3	21,100	140
145	40.3	271.8	16,400	45.6	282.2	18,500	49.2	288.2	20,100	145
150	37.6	265.6	15,600	43.2	277.1	17,500	47.0	283.7	19,100	150
155	34.8	258.7	14,800	40.7	271.5	16,700	44.6	278.8	18,200	155
160	31.7	251.1	14,000	38.0	265.4	15,800	42.2	273.5	17,200	160
165	28.3	242.4	13,100	35.2	258.7	15,000	39.6	267.8	16,400	165
170	24.5	232.4	12,200	32.1	251.1	14,200	36.9	261.4	15,600	170
175	20.1	220.2	11,400	28.8	242.6	13,400	34.0	254.4	14,800	175
180	14.4	204.0	10,600	25.1	232.8	12,400	30.8	246.5	13,900	180
185	3.5	172.2	10,000	20.8	221.0	11,500	27.3	237.5	13,000	185
190				15.3	205.6	10,800	23.4	227.0	12,100	190
195				6.3	179.4	10,100	18.7	214.0	11,300	195
196				0.9	163.5	10,000	17.5	210.4	11,200	196
200							12.4	196.1	10,500	200
203							6.2	177.8	10,100	203
205										205
210										210
215										215
217										217
220										220
225										225
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230										230
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242										242

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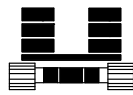
184,600 lb
+
60,400 lb



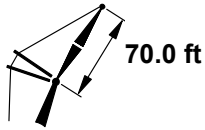
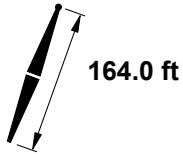
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
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65										65
70										70
75										75
80										80
82										82
85										85
90										90
95										95
98										98
100										100
105										105
110										110
115										115
120										120
125	62.7	307.4	27,000							125
130	60.8	304.7	25,900							130
135	58.9	301.8	24,900							135
140	56.9	298.7	23,800							140
145	54.8	295.3	22,800							145
150	52.7	291.6	21,700	58.0	296.2	21,700				150
155	50.6	287.7	20,700	56.0	293.0	20,700				155
160	48.4	283.4	19,700	53.9	289.5	19,800				160
165	46.1	278.8	18,700	51.8	285.7	18,900				165
170	43.7	273.8	17,800	49.6	281.6	18,100				170
175	41.2	268.3	17,000	47.4	277.2	17,300	52.8	282.2	15,200	175
180	38.6	262.3	16,100	45.0	272.4	16,600	50.7	278.2	14,500	180
185	35.8	255.7	15,300	42.6	267.2	15,900	48.4	274.0	13,900	185
190	32.8	248.4	14,500	40.0	261.5	15,300	46.1	269.3	13,300	190
195	29.5	240.1	13,600	37.4	255.2	14,700	43.8	264.3	12,800	195
196	28.8	238.2	13,500	36.8	253.8	14,600	43.3	263.2	12,700	196
200	25.9	230.6	12,700	34.5	248.3	14,100	41.3	258.9	12,300	200
203	23.4	223.8	12,200	32.6	243.7	13,800	39.7	255.3	12,000	203
205	21.7	219.3	11,900	31.4	240.6	13,600	38.6	252.9	11,800	205
210	16.6	204.9	11,100	28.0	231.8	13,000	35.9	246.3	11,300	210
215	9.0	182.8	10,300	24.1	221.6	12,400	32.9	239.0	10,800	215
217	1.8	161.6	10,100	22.3	216.6	12,000	31.6	235.7	10,700	217
220				19.6	209.1	11,500	29.6	230.8	10,400	220
225				13.7	192.4	10,700	26.0	221.3	10,000	225
229				5.7	169.1	10,200	22.7	212.3	9,600	229
230							21.8	210.0	9,600	230
235							16.7	195.7	9,200	235
240							9.2	174.1	8,800	240
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ASME B30.5



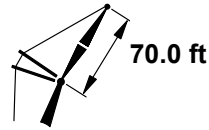
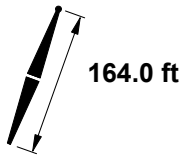
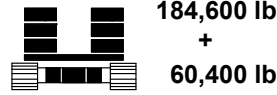
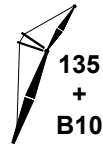
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.0	239.3	88,300 d							34
35	74.1	239.0	88,200 d							35
40	69.8	237.4	88,100 c							40
45	65.4	235.3	87,900 c							45
50	60.8	232.8	82,500 b							50
51	59.8	232.1	81,400 b	70.1	236.4	87,500 d				51
55	56.0	229.7	77,100 b	66.6	234.8	82,800 c				55
60	50.9	226.0	72,200	62.1	232.4	77,300 b				60
62	48.7	224.2	70,300	60.2	231.2	75,300 b	67.9	234.0	78,600 c	62
65	45.4	221.5	67,600	57.3	229.4	72,200 b	65.3	232.7	75,400 c	65
70	39.3	216.0	63,500	52.3	225.9	67,700 b	60.7	230.2	70,500 b	70
75	32.3	209.1	59,900	47.0	221.7	63,500	55.8	227.1	66,000 b	75
80	23.6	199.6	56,400	41.1	216.5	59,700	50.7	223.3	61,900	80
82	17.7	192.7	52,900	38.4	213.9	58,300	48.5	221.5	60,300	82
85	8.8	182.4	47,500	34.4	210.0	56,200	45.2	218.8	57,900	85
90				26.3	201.5	53,000	39.1	213.3	54,000	90
95				14.5	188.0	49,900	32.1	206.3	50,500	95
97				4.6	176.1	46,800	28.6	202.5	49,200	97
100							23.3	196.8	47,300	100
101							20.2	193.2	46,700	101
105							8.1	179.0	44,400	105
110										110
115										115
119										119
120										120
125										125
130										130
133										133
135										135
140										140
145										145
146										146

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ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34										34
35										35
40										40
45										45
50										50
51										51
55										55
60										60
62										62
65										65
70										70
75										75
80										80
82	62.5	227.9	55,500 b							82
85	59.7	226.2	53,100 b							85
90	54.8	223.0	49,500 b							90
95	49.6	219.1	46,300							95
97	47.4	217.3	45,200							97
100	44.0	214.4	43,400							100
101	42.7	213.3	42,900	57.3	220.3	39,100 b				101
105	37.7	208.7	40,900	53.4	217.5	37,200 b				105
110	30.4	201.3	38,500	48.1	213.4	35,100				110
115	21.0	190.9	36,400	42.3	208.5	33,200				115
119	7.7	175.2	34,700	37.1	203.5	31,700	52.5	211.2	28,600 b	119
120				35.8	202.3	31,400	51.4	210.4	28,300	120
125				28.0	194.3	29,800	46.0	206.0	26,900	125
130				17.4	182.3	28,200	40.0	200.7	25,500	130
133				4.5	166.9	27,200	35.9	196.6	24,800	133
135							33.1	193.9	24,200	135
140							24.6	184.9	23,100	140
145							11.3	169.4	21,900	145
146							5.9	162.8	21,600	146

MLC200 S-3

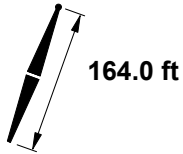
ASME B30.5



184,600 lb
+
60,400 lb



360°



164.0 ft

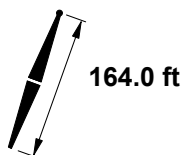


80.0 ft

	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	74.7	248.8	81,500 d							37
40	72.4	247.9	81,400 d							40
45	68.6	246.2	81,100 c							45
50	64.7	244.0	80,000 b							50
54	61.5	241.9	75,900 b	70.4	245.9	81,200 c				54
55	60.7	241.4	74,900 b	69.7	245.5	80,100 c				55
60	56.5	238.4	70,300	65.8	243.5	75,000 b				60
65	52.1	234.8	66,100	61.8	241.0	70,400 b				65
66	51.1	233.9	65,400	61.0	240.4	69,500 b	67.7	243.2	72,200 c	66
70	47.4	230.5	62,300	57.7	238.1	66,100	64.6	241.4	68,600 b	70
75	42.3	225.5	58,800	53.3	234.7	62,200	60.6	238.8	64,400 b	75
80	36.7	219.4	55,600	48.7	230.6	58,600	56.4	235.7	60,600	80
85	30.2	211.9	52,600	43.8	225.8	55,300	52.0	232.1	57,100	85
86	28.5	209.8	52,000	42.7	224.7	54,700	51.0	231.3	56,400	86
90	22.0	201.6	49,800	38.3	220.1	52,300	47.3	227.9	53,700	90
95	8.3	183.2	42,000	32.1	213.0	49,400	42.2	222.8	50,200	95
100				24.5	203.7	46,800	36.5	216.7	47,100	100
105				13.5	189.2	44,200	30.0	209.1	44,300	105
106				8.9	182.9	42,900	28.3	207.0	43,800	106
107				4.3	176.5	41,600	26.7	205.0	43,300	107
110							21.8	198.8	41,800	110
115							7.6	179.7	39,400	115
120										120
125										125
129										129
130										130
135										135
140										140
143										143
145										145
150										150
155										155
156										156

MLC200 S-3

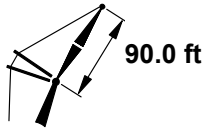
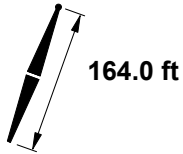
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37										37
40										40
45										45
50										50
54										54
55										55
60										60
65										65
66										66
70										70
75										75
80										80
85										85
86	63.0	237.1	51,900 b							86
90	59.7	234.9	49,100 b							90
95	55.5	231.7	45,900							95
100	51.0	228.0	43,100							100
105	46.2	223.6	40,500							105
106	45.2	222.5	40,100	57.7	229.0	36,300				106
107	44.1	221.5	39,600	56.8	228.3	35,900				107
110	41.0	218.3	38,200	54.2	226.2	34,700				110
115	35.2	212.0	36,100	49.7	222.3	32,800				115
120	28.4	203.9	34,200	44.8	217.7	31,000				120
125	19.6	192.7	32,400	39.4	212.2	29,400	52.6	219.2	26,400	125
129	7.2	175.8	31,000	34.6	206.7	28,200	48.8	215.9	25,400	129
130				33.4	205.4	28,000	47.9	215.0	25,100	130
135				26.2	196.7	26,600	42.9	210.1	23,900	135
140				16.3	183.8	25,300	37.3	204.2	22,700	140
143				4.2	167.2	24,400	33.5	199.7	22,100	143
145							30.9	196.8	21,600	145
150							23.0	187.0	20,600	150
155							10.6	170.4	19,600	155
156							5.5	163.3	19,400	156

MLC200 S-3

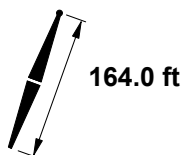
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	74.4	258.4	74,600 d							40
45	71.1	256.8	74,300 c							45
50	67.7	254.9	74,000 b							50
55	64.2	252.7	72,900 b							55
57	62.8	251.6	71,200 b	70.7	255.4	74,600 c				57
60	60.6	250.1	68,600	68.6	254.3	72,800 b				60
65	56.9	247.1	64,700	65.2	252.2	68,600 b				65
70	53.0	243.5	61,100	61.6	249.7	64,600	67.6	252.3	66,700 b	70
75	48.9	239.5	57,800	57.9	246.8	61,000	64.1	250.1	62,900 b	75
80	44.5	234.8	54,700	54.1	243.4	57,600	60.5	247.5	59,400	80
85	39.8	229.3	51,900	50.1	239.5	54,500	56.8	244.4	56,000	85
90	34.5	222.6	49,300	45.8	235.0	51,600	52.9	240.9	53,000	90
91	33.3	221.0	48,800	44.8	233.9	51,100	52.1	240.1	52,400	91
95	28.4	214.5	46,900	41.1	229.7	48,900	48.8	236.8	50,100	95
100	20.7	203.5	44,500	36.0	223.5	46,400	44.4	232.1	47,000	100
105	7.8	183.9	37,500	30.2	215.8	44,100	39.6	226.6	44,200	105
110				23.1	205.8	41,900	34.4	219.9	41,700	110
111				21.0	202.8	41,500	33.1	218.3	41,300	111
115				12.8	190.4	39,800	28.2	211.7	39,400	115
117				4.0	176.8	37,300	25.1	207.3	38,600	117
120							20.5	200.6	37,300	120
125							7.1	180.3	35,400	125
130										130
131										131
135										135
139										139
140										140
145										145
150										150
153										153
155										155
160										160
165										165
166										166

MLC200 S-3

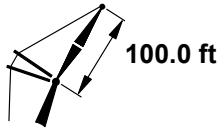
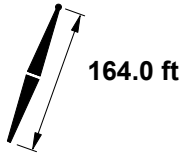
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40										40
45										45
50										50
55										55
57										57
60										60
65										65
70										70
75										75
80										80
85										85
90										90
91	62.6	245.8	48,200							91
95	59.7	243.6	45,700							95
100	56.0	240.4	42,900							100
105	52.0	236.8	40,300							105
110	47.9	232.6	38,100							110
111	47.0	231.6	37,600	57.9	237.6	34,000				111
115	43.4	227.7	36,000	54.9	235.0	32,500				115
117	41.5	225.4	35,200	53.3	233.4	31,900				117
120	38.6	221.9	34,100	50.9	231.2	30,800				120
125	33.1	215.0	32,300	46.7	226.8	29,200				125
130	26.7	206.3	30,700	42.1	221.7	27,800				130
131	25.1	203.9	30,400	41.1	220.5	27,500	52.6	227.2	24,600	131
135	18.5	194.3	29,200	37.1	215.6	26,400	49.3	224.0	23,700	135
139	6.8	176.5	28,000	32.6	209.8	25,400	45.9	220.3	22,700	139
140				31.5	208.3	25,200	45.0	219.3	22,500	140
145				24.7	198.9	24,000	40.3	213.9	21,500	145
150				15.4	185.2	22,900	35.1	207.4	20,500	150
153				4.0	167.6	22,200	31.5	202.7	19,900	153
155							29.1	199.5	19,600	155
160							21.7	188.9	18,700	160
165							10.0	171.3	17,800	165
166							5.2	163.8	17,600	166

MLC200 S-3

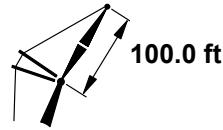
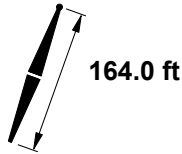
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42	74.8	268.2	68,700 c							42
45	73.0	267.3	68,500 c							45
50	70.0	265.7	68,100 b							50
55	66.9	263.7	67,700 b							55
60	63.8	261.4	66,300	70.9	265.0	68,400 b				60
65	60.6	258.7	62,800	67.8	263.1	66,300 b				65
70	57.2	255.7	59,500	64.7	260.9	62,700				70
74	54.4	253.0	57,000	62.1	258.9	60,000	67.5	261.5	61,600 b	74
75	53.7	252.3	56,400	61.5	258.4	59,400	66.9	261.1	60,900 b	75
80	50.1	248.4	53,500	58.1	255.5	56,200	63.7	258.8	57,700	80
85	46.2	243.9	50,800	54.7	252.1	53,300	60.5	256.1	54,600	85
90	42.1	238.7	48,300	51.1	248.4	50,500	57.1	253.1	51,700	90
95	37.7	232.8	46,000	47.3	244.0	48,000	53.6	249.6	49,100	95
96	36.7	231.3	45,600	46.5	243.1	47,500	52.9	248.9	48,600	96
100	32.7	225.7	43,900	43.3	239.1	45,600	50.0	245.7	46,600	100
105	26.9	216.9	41,800	38.9	233.4	43,400	46.1	241.2	43,900	105
110	19.7	205.3	39,900	34.1	226.6	41,400	42.0	236.1	41,400	110
115	7.4	184.5	33,600	28.6	218.4	39,400	37.5	230.1	39,200	115
117				25.9	214.2	38,700	35.5	227.2	38,400	117
120				21.9	207.8	37,500	32.5	222.9	37,100	120
125				12.1	191.5	35,700	26.8	214.1	35,200	125
127				3.8	177.2	33,500	23.8	209.4	34,500	127
130							19.4	202.4	33,500	130
135							6.8	180.9	31,800	135
137										137
140										140
145										145
149										149
150										150
155										155
160										160
163										163
165										165
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176										176

MLC200 S-3

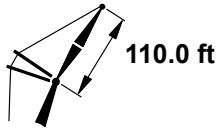
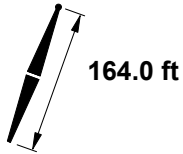
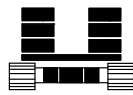
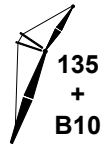
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
42										42
45										45
50										50
55										55
60										60
65										65
70										70
74										74
75										75
80										80
85										85
90										90
95										95
96	62.4	254.4	44,700							96
100	59.8	252.2	42,500							100
105	56.4	249.1	40,000							105
110	52.9	245.6	37,700							110
115	49.2	241.5	35,600							115
117	47.6	239.7	34,900	57.5	245.7	31,400				117
120	45.3	236.9	33,700	55.4	243.7	30,400				120
125	41.1	231.6	32,000	51.8	240.0	28,800				125
127	39.3	229.1	31,400	50.3	238.3	28,300				127
130	36.5	225.3	30,400	48.1	235.8	27,400				130
135	31.4	217.9	29,000	44.1	231.0	26,100				135
137	29.0	214.2	28,400	42.4	228.7	25,600	52.7	235.2	22,800	137
140	25.4	208.7	27,600	39.8	225.4	24,800	50.5	232.8	22,100	140
145	17.5	195.9	26,300	35.1	218.9	23,700	46.7	228.4	21,100	145
149	6.4	177.0	25,300	30.9	212.6	22,800	43.4	224.4	20,300	149
150				29.8	211.0	22,600	42.6	223.4	20,100	150
155				23.4	201.0	21,600	38.2	217.5	19,200	155
160				14.6	186.5	20,600	33.2	210.5	18,300	160
163				3.8	167.9	20,000	29.8	205.4	17,800	163
165							27.6	202.0	17,500	165
170							20.6	190.8	16,700	170
175							9.5	172.2	16,000	175
176							4.9	164.2	15,800	176

MLC200 S-3

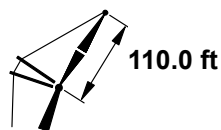
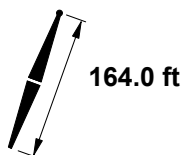
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	74.6	277.7	52,900 c							45
50	71.9	276.2	51,800 b							50
55	69.1	274.5	50,900 b							55
60	66.3	272.4	49,900							60
64	64.0	270.5	49,100	70.5	274.2	51,700 b				64
65	63.5	270.1	49,000	69.9	273.8	51,500 b				65
70	60.5	267.4	48,100	67.1	271.9	50,700				70
75	57.5	264.4	47,200	64.3	269.6	49,900				75
77	56.2	263.0	46,900	63.1	268.6	49,600	68.0	271.1	50,700 b	77
80	54.3	261.0	46,400	61.3	267.0	49,100	66.3	269.8	50,300	80
85	51.0	257.2	45,600	58.3	264.1	48,400	63.4	267.5	49,600	85
90	47.6	252.9	44,900	55.2	260.8	47,700	60.4	264.8	49,000	90
95	44.0	248.0	44,200	52.0	257.2	45,900	57.4	261.8	46,800	95
100	40.1	242.5	42,200	48.6	253.0	43,700	54.2	258.4	44,600	100
105	35.8	236.1	40,300	45.0	248.3	41,700	51.0	254.6	42,500	105
110	31.1	228.5	38,600	41.2	243.0	39,800	47.5	250.2	40,500	110
115	25.6	219.3	36,900	37.1	236.8	38,000	43.9	245.4	38,700	115
120	18.7	207.0	35,400	32.5	229.6	36,300	40.0	239.8	36,900	120
122	14.1	198.3	33,300	30.4	226.1	35,700	38.3	237.2	36,200	122
125	7.0	185.2	30,200	27.3	220.9	34,800	35.7	233.4	35,300	125
130				20.9	209.7	33,200	31.0	225.8	33,500	130
135				11.5	192.5	31,700	25.5	216.5	31,900	135
137				3.6	177.5	30,300	22.7	211.5	31,300	137
140							18.5	204.1	30,400	140
143							11.3	190.5	29,600	143
145							6.5	181.5	29,000	145
150										150
155										155
159										159
160										160
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173										173
175										175
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186										186

MLC200 S-3

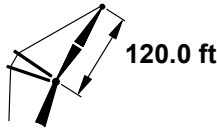
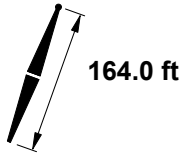
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
64										64
65										65
70										70
75										75
77										77
80										80
85										85
90										90
95										95
100	62.8	263.6	42,400							100
105	59.8	260.9	39,900							105
110	56.7	257.8	37,600							110
115	53.5	254.3	35,600							115
120	50.2	250.4	33,700							120
122	48.8	248.6	33,000	57.7	254.3	29,700				122
125	46.8	246.0	32,000	55.8	252.4	28,800				125
130	43.1	240.9	30,400	52.6	248.8	27,400				130
135	39.1	235.2	29,000	49.3	244.7	26,000				135
137	37.4	232.5	28,400	47.8	242.9	25,600				137
140	34.8	228.6	27,600	45.7	240.1	24,800				140
143	31.8	223.8	26,900	43.5	237.0	24,100	52.7	243.2	21,400	143
145	29.9	220.7	26,400	42.0	234.9	23,700	51.4	241.7	21,000	145
150	24.2	210.8	25,200	37.9	228.9	22,600	48.0	237.4	20,100	150
155	16.7	197.4	24,100	33.5	222.0	21,600	44.4	232.6	19,200	155
159	6.1	177.6	23,200	29.4	215.3	20,900	41.3	228.2	18,500	159
160				28.4	213.6	20,700	40.5	227.1	18,300	160
165				22.3	203.1	19,800	36.3	220.8	17,500	165
170				13.9	187.8	18,900	31.7	213.4	16,800	170
173				3.6	168.3	18,400	28.4	208.0	16,400	173
175							26.3	204.4	16,100	175
180							19.6	192.6	15,400	180
185							9.0	173.0	14,700	185
186							4.7	164.6	14,600	186

MLC200 S-3

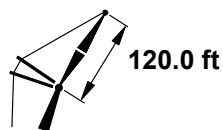
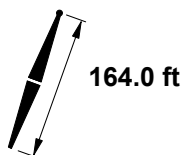
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	74.9	287.6	49,500 c							47
50	73.5	286.7	49,000 b							50
55	71.0	285.1	48,100 b							55
60	68.4	283.2	47,200							60
65	65.8	281.1	46,400							65
67	64.8	280.2	46,100	70.6	283.7	48,200 b				67
70	63.2	278.7	45,600	69.1	282.6	47,800				70
75	60.5	276.1	44,900	66.5	280.6	47,100				75
80	57.7	273.1	44,200	63.9	278.3	46,400				80
81	57.1	272.4	44,100	63.4	277.8	46,300	67.8	280.3	47,100	81
85	54.8	269.7	43,500	61.2	275.7	45,800	65.7	278.5	46,700	85
90	51.8	266.0	42,900	58.5	272.8	45,100	63.1	276.1	46,200	90
95	48.7	261.8	42,200	55.6	269.5	44,600	60.4	273.5	45,500	95
100	45.5	257.2	41,000	52.7	265.9	42,800	57.6	270.4	43,500	100
105	42.0	252.0	39,500	49.6	261.9	40,800	54.7	267.1	41,500	105
110	38.3	246.0	37,900	46.4	257.4	39,100	51.7	263.4	39,600	110
115	34.3	239.2	36,300	43.0	252.3	37,300	48.6	259.2	37,800	115
120	29.8	231.2	34,800	39.4	246.6	35,700	45.4	254.5	36,200	120
125	24.5	221.5	33,400	35.4	240.1	34,200	41.9	249.3	34,600	125
127	21.9	216.3	32,800	33.7	237.0	33,600	40.4	246.9	34,000	127
130	17.9	208.6	32,000	31.1	232.5	32,700	38.2	243.3	33,100	130
135	6.7	185.8	27,300	26.1	223.3	31,300	34.2	236.5	31,700	135
140				20.0	211.5	30,000	29.6	228.5	30,200	140
145				11.0	193.5	28,700	24.4	218.7	28,800	145
147				3.5	177.8	27,400	21.7	213.5	28,300	147
149							19.1	208.3	27,800	149
150							17.7	205.7	27,600	150
155							6.2	182.1	26,300	155
160										160
165										165
169										169
170										170
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183										183
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MLC200 S-3

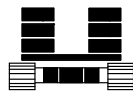
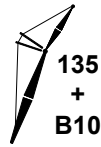
ASME B30.5



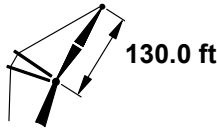
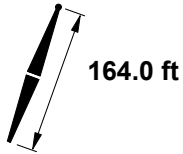
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47										47
50										50
55										55
60										60
65										65
67										67
70										70
75										75
80										80
81										81
85										85
90										90
95										95
100										100
105	62.5	272.3	39,500							105
110	59.8	269.5	37,300							110
115	57.0	266.5	35,200							115
120	54.1	263.0	33,300							120
125	51.1	259.2	31,600							125
127	49.8	257.5	31,000	57.9	263.0	27,800				127
130	48.0	255.0	30,100	56.2	261.1	27,000				130
135	44.7	250.2	28,600	53.3	257.5	25,600				135
140	41.1	244.8	27,300	50.2	253.6	24,400				140
145	37.4	238.7	26,100	47.0	249.2	23,300				145
147	35.7	235.8	25,600	45.7	247.2	22,900				147
149	34.1	233.0	25,100	44.4	245.2	22,500	52.8	251.2	19,800	149
150	33.2	231.6	24,900	43.7	244.2	22,200	52.2	250.4	19,700	150
155	28.6	223.3	23,800	40.1	238.7	21,300	49.1	246.3	18,800	155
160	23.1	212.9	22,800	36.2	232.3	20,300	45.8	241.7	17,900	160
165	16.0	198.8	21,800	32.0	224.9	19,500	42.4	236.6	17,200	165
169	5.9	178.1	21,000	28.1	217.9	18,800	39.4	231.9	16,600	169
170				27.2	216.1	18,700	38.7	230.7	16,400	170
175				21.3	205.0	17,900	34.7	224.0	15,700	175
180				13.3	189.0	17,100	30.3	216.2	15,100	180
183				3.5	168.6	16,600	27.2	210.5	14,700	183
185							25.1	206.7	14,400	185
190							18.7	194.3	13,800	190
195							8.7	173.7	13,200	195
196							4.5	165.0	13,100	196

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ASME B30.5



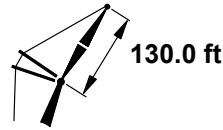
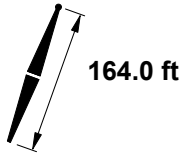
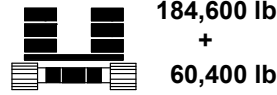
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	74.8	297.1	46,200 b							50
55	72.5	295.6	45,400 b							55
60	70.1	293.9	44,600							60
65	67.8	292.0	43,900							65
70	65.4	289.8	43,100	70.8	293.3	44,900				70
75	62.9	287.4	42,500	68.4	291.4	44,300				75
80	60.4	284.7	41,800	66.1	289.3	43,700				80
85	57.9	281.7	41,200	63.6	287.0	43,100	67.7	289.4	43,700	85
90	55.2	278.4	40,300	61.1	284.4	42,600	65.3	287.2	43,300	90
95	52.5	274.8	38,900	58.6	281.4	42,000	62.9	284.8	42,800	95
100	49.7	270.7	37,600	56.0	278.2	41,000	60.4	282.1	42,400	100
105	46.7	266.3	36,300	53.3	274.7	39,700	57.8	279.1	40,600	105
109	44.2	262.3	35,300	51.0	271.5	38,600	55.7	276.5	39,200	109
110	43.6	261.3	35,100	50.5	270.8	38,400	55.1	275.8	38,800	110
115	40.3	255.7	33,900	47.5	266.4	36,700	52.4	272.1	37,200	115
120	36.7	249.4	32,800	44.5	261.6	35,200	49.6	268.1	35,600	120
125	32.9	242.3	31,700	41.2	256.2	33,700	46.6	263.6	34,100	125
130	28.6	233.8	30,800	37.8	250.1	32,300	43.5	258.6	32,700	130
133	25.6	227.7	30,300	35.5	246.0	31,600	41.5	255.3	31,900	133
135	23.6	223.6	30,000	34.0	243.2	31,000	40.2	253.0	31,400	135
140	17.2	210.2	29,200	29.8	235.2	29,800	36.7	246.7	30,000	140
145	6.5	186.3	24,800	25.0	225.5	28,600	32.8	239.5	28,700	145
150				19.2	213.2	27,400	28.5	231.1	27,400	150
155				10.6	194.5	26,300	23.4	220.8	26,200	155
157				3.4	178.1	25,000	20.9	215.3	25,800	157
160							17.0	207.2	25,100	160
165							5.9	182.6	24,000	165
170										170
175										175
179										179
180										180
185										185
190										190
193										193
195										195
200										200
205										205
206										206

MLC200 S-3

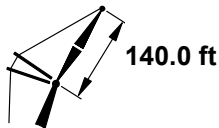
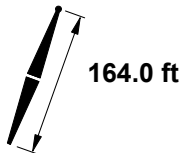
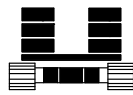
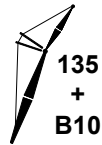
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
109	62.8	281.5	37,400							109
110	62.3	281.0	37,000							110
115	59.8	278.2	35,000							115
120	57.2	275.1	33,100							120
125	54.6	271.8	31,400							125
130	51.8	268.0	29,800							130
133	50.1	265.5	29,000	57.5	271.0	25,900				133
135	49.0	263.9	28,400	56.5	269.7	25,400				135
140	46.0	259.3	27,100	53.8	266.3	24,200				140
145	42.8	254.2	25,800	51.0	262.4	23,000				145
150	39.5	248.5	24,700	48.1	258.1	22,000				150
155	35.9	242.0	23,600	45.1	253.4	21,000	52.8	259.2	18,500	155
157	34.3	239.0	23,200	43.8	251.3	20,700	51.7	257.6	18,200	157
160	31.9	234.5	22,600	41.9	248.1	20,100	50.0	255.2	17,700	160
165	27.4	225.8	21,700	38.5	242.2	19,300	47.0	250.8	16,900	165
170	22.2	214.9	20,800	34.8	235.5	18,500	43.9	245.9	16,200	170
175	15.3	200.2	19,900	30.7	227.7	17,700	40.7	240.4	15,500	175
179	5.6	178.6	19,200	27.0	220.3	17,100	37.8	235.4	15,000	179
180				26.1	218.5	17,000	37.1	234.2	14,800	180
185				20.5	206.8	16,300	33.3	227.1	14,200	185
190				12.8	190.1	15,600	29.1	218.8	13,600	190
193				3.3	168.9	15,200	26.1	212.8	13,300	193
195							24.1	208.8	13,100	195
200							18.0	195.9	12,500	200
205							8.3	174.5	12,000	205
206							4.3	165.4	11,900	206

MLC200 S-3

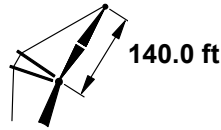
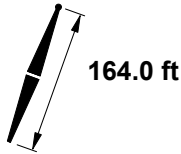
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	74.6	306.6	42,800 b							53
55	73.8	306.1	42,500 b							55
60	71.6	304.5	41,800							60
65	69.4	302.8	41,200							65
70	67.2	300.8	40,500							70
73	65.9	299.4	40,100	70.9	302.8	41,600				73
75	65.0	298.6	39,900	70.1	302.1	41,400				75
80	62.7	296.1	39,300	67.9	300.2	40,800				80
85	60.4	293.4	38,100	65.6	298.0	40,400				85
89	58.5	291.0	37,000	63.8	296.1	39,900	67.6	298.6	40,400	89
90	58.0	290.4	36,700	63.4	295.7	39,800	67.2	298.2	40,300	90
95	55.6	287.1	35,400	61.0	293.0	38,700	64.9	296.0	40,000	95
100	53.0	283.5	34,100	58.7	290.1	37,400	62.7	293.5	39,500	100
105	50.4	279.6	32,900	56.3	286.9	36,100	60.3	290.8	38,200	105
110	47.7	275.3	31,600	53.8	283.4	34,800	58.0	287.8	37,000	110
114	45.5	271.4	30,700	51.7	280.3	33,700	56.0	285.2	36,000	114
115	44.9	270.5	30,500	51.2	279.6	33,500	55.5	284.5	35,700	115
120	41.9	265.2	29,300	48.5	275.4	32,200	53.0	280.9	34,500	120
125	38.8	259.3	28,200	45.7	270.7	31,100	50.4	277.0	33,200	125
130	35.4	252.7	27,200	42.8	265.6	29,900	47.7	272.6	32,000	130
135	31.7	245.1	26,200	39.7	259.9	28,800	44.8	267.8	30,600	135
138	29.2	239.9	25,700	37.7	256.0	28,200	43.0	264.6	29,900	138
140	27.5	236.3	25,300	36.3	253.5	27,800	41.8	262.5	29,400	140
145	22.7	225.7	24,500	32.7	246.2	26,800	38.7	256.6	28,300	145
150	16.6	211.6	23,900	28.7	237.8	25,900	35.3	250.0	27,100	150
155	6.2	186.9	22,400	24.1	227.7	25,000	31.6	242.4	26,000	155
160				18.5	214.9	24,200	27.4	233.5	24,900	160
161				16.8	211.0	24,100	26.4	231.4	24,700	161
165				10.2	195.4	23,700	22.5	222.8	23,800	165
167				3.2	178.4	22,700	20.1	217.1	23,400	167
170							16.4	208.7	22,800	170
175							5.7	183.1	21,900	175
180										180
185										185
189										189
190										190
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MLC200 S-3

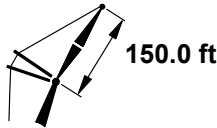
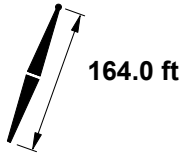
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53										53
55										55
60										60
65										65
70										70
73										73
75										75
80										80
85										85
89										89
90										90
95										95
100										100
105										105
110										110
114	62.6	290.2	35,000							114
115	62.2	289.6	34,600							115
120	59.8	286.9	32,700							120
125	57.4	283.8	31,000							125
130	55.0	280.5	29,500							130
135	52.4	276.8	28,000							135
138	50.8	274.4	27,200	57.7	279.7	24,200				138
140	49.8	272.8	26,700	56.7	278.4	23,800				140
145	47.1	268.3	25,500	54.3	275.0	22,700				145
150	44.2	263.4	24,400	51.7	271.2	21,600				150
155	41.2	258.0	23,300	49.0	267.1	20,600				155
160	38.0	252.0	22,300	46.3	262.5	19,700				160
161	37.3	250.6	22,100	45.7	261.5	19,600	52.8	267.2	17,100	161
165	34.5	245.1	21,300	43.4	257.5	18,900	50.7	264.1	16,500	165
167	33.0	242.0	21,000	42.1	255.2	18,600	49.6	262.3	16,200	167
170	30.7	237.3	20,500	40.3	251.9	18,100	48.0	259.8	15,800	170
175	26.4	228.1	19,600	37.0	245.6	17,300	45.2	255.0	15,100	175
180	21.4	216.9	18,800	33.5	238.6	16,600	42.3	249.8	14,500	180
185	14.8	201.5	18,100	29.6	230.4	16,000	39.1	244.0	13,900	185
189	5.4	179.1	17,400	26.0	222.7	15,400	36.4	238.8	13,400	189
190				25.1	220.7	15,300	35.7	237.5	13,300	190
195				19.7	208.6	14,700	32.1	230.0	12,700	195
200				12.3	191.2	14,100	28.0	221.4	12,200	200
203				3.2	169.2	13,700	25.1	215.1	11,900	203
205							23.2	210.9	11,700	205
210							17.3	197.4	11,200	210
215							8.0	175.2	10,700	215
216							4.1	165.8	10,600	216

MLC200 S-3

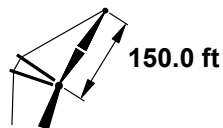
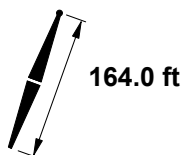
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	74.9	316.5	39,800 b							55
60	72.9	315.0	39,200							60
65	70.9	313.4	38,600							65
70	68.8	311.5	38,000							70
75	66.8	309.5	37,400							75
77	65.9	308.6	37,000	70.6	312.0	38,500				77
80	64.7	307.3	36,300	69.4	310.9	38,200				80
85	62.5	304.8	35,100	67.3	308.9	37,600				85
90	60.4	302.0	33,700	65.3	306.7	36,800				90
92	59.5	300.9	33,200	64.4	305.8	36,300	68.0	308.2	37,400	92
95	58.1	299.1	32,500	63.1	304.3	35,600	66.7	306.9	37,200	95
100	55.9	295.8	31,200	61.0	301.7	34,300	64.6	304.6	36,300	100
105	53.5	292.3	30,000	58.8	298.8	33,100	62.5	302.2	35,100	105
110	51.1	288.4	28,700	56.5	295.6	31,800	60.3	299.4	33,800	110
115	48.6	284.2	27,600	54.2	292.2	30,500	58.1	296.5	32,700	115
118	47.1	281.4	26,900	52.7	289.9	29,800	56.7	294.5	31,900	118
120	46.0	279.6	26,500	51.8	288.4	29,300	55.8	293.2	31,500	120
125	43.3	274.5	25,400	49.3	284.3	28,200	53.5	289.7	30,200	125
130	40.4	269.0	24,400	46.8	279.8	27,100	51.1	285.8	29,100	130
135	37.4	262.8	23,400	44.1	274.8	25,900	48.6	281.6	27,900	135
140	34.1	255.8	22,500	41.3	269.4	24,900	46.0	276.9	26,800	140
143	32.0	251.1	21,900	39.5	265.8	24,300	44.3	273.9	26,100	143
145	30.6	247.9	21,600	38.3	263.4	23,900	43.2	271.9	25,700	145
150	26.6	238.7	20,800	35.1	256.7	22,900	40.4	266.3	24,700	150
155	21.9	227.6	20,000	31.6	249.1	22,000	37.3	260.1	23,700	155
160	16.0	213.1	19,300	27.7	240.3	21,200	34.0	253.1	22,800	160
165	6.0	187.4	18,900	23.3	229.8	20,400	30.5	245.2	21,900	165
167				21.1	224.5	20,100	28.9	241.5	21,600	167
170				17.9	216.5	19,700	26.5	235.9	21,100	170
175				9.9	196.2	19,100	21.8	224.8	20,300	175
177				3.1	178.7	19,000	19.4	218.9	20,000	177
180							15.8	210.1	19,600	180
185							5.5	183.6	19,100	185
190										190
195										195
199										199
200										200
205										205
210										210
213										213
215										215
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226										226

MLC200 S-3

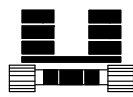
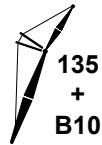
ASME B30.5



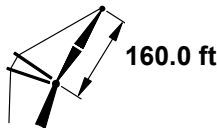
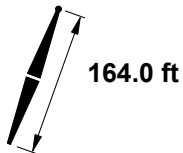
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
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75										75
77										77
80										80
85										85
90										90
92										92
95										95
100										100
105										105
110										110
115										115
118	62.9	299.4	33,300							118
120	62.0	298.3	32,600							120
125	59.8	295.5	30,900							125
130	57.6	292.5	29,400							130
135	55.3	289.2	27,900							135
140	53.0	285.6	26,600							140
143	51.5	283.2	25,900	57.9	288.4	23,000				143
145	50.5	281.6	25,400	57.0	287.1	22,600				145
150	48.0	277.3	24,300	54.7	283.7	21,500				150
155	45.4	272.6	23,200	52.3	280.0	20,600				155
160	42.6	267.4	22,200	49.8	276.0	19,700				160
165	39.7	261.7	21,300	47.3	271.5	18,800				165
167	38.5	259.2	20,900	46.2	269.6	18,500	52.8	275.2	16,100	167
170	36.6	255.3	20,400	44.6	266.7	18,000	51.4	272.9	15,700	170
175	33.3	248.2	19,600	41.8	261.4	17,300	48.9	268.7	15,000	175
177	31.8	244.9	19,300	40.6	259.0	17,000	47.8	266.9	14,800	177
180	29.6	240.0	18,800	38.9	255.5	16,600	46.3	264.1	14,400	180
185	25.5	230.5	18,100	35.7	248.9	15,900	43.6	259.1	13,800	185
190	20.6	218.7	17,300	32.3	241.5	15,300	40.8	253.6	13,200	190
195	14.3	202.8	16,700	28.5	233.0	14,700	37.7	247.5	12,700	195
199	5.2	179.6	16,100	25.1	224.9	14,200	35.1	242.0	12,300	199
200				24.2	222.9	14,100	34.5	240.6	12,100	200
205				19.1	210.3	13,500	31.0	232.8	11,700	205
210				11.9	192.3	13,000	27.0	223.8	11,200	210
213				3.1	169.4	12,600	24.3	217.3	10,900	213
215							22.5	213.0	10,700	215
220							16.8	198.9	10,300	220
225							7.7	175.9	9,800	225
226							4.0	166.1	9,700	226

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ASME B30.5



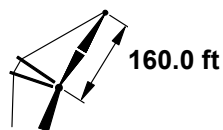
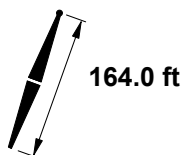
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
58	74.7	326.0	36,800						58	
60	74.0	325.5	36,600						60	
65	72.1	323.9	35,900						65	
70	70.2	322.2	35,400						70	
75	68.3	320.3	34,400						75	
80	66.4	318.2	33,200	70.7	321.6	35,400			80	
85	64.4	315.9	31,900	68.8	319.7	34,800			85	
90	62.4	313.4	30,600	66.9	317.7	33,600			90	
95	60.3	310.7	29,300	64.9	315.5	32,300			95	
96	59.9	310.1	29,100	64.5	315.0	32,100	67.9	317.3	33,900	96
100	58.3	307.7	28,100	62.9	313.0	31,100	66.3	315.6	32,900	100
105	56.1	304.5	26,900	60.9	310.3	29,900	64.3	313.3	31,800	105
110	53.9	301.0	25,800	58.8	307.4	28,600	62.3	310.8	30,600	110
115	51.7	297.2	24,700	56.7	304.3	27,500	60.3	308.1	29,500	115
120	49.4	293.1	23,500	54.6	300.9	26,300	58.2	305.1	28,300	120
123	47.9	290.4	22,900	53.2	298.6	25,600	56.9	303.2	27,600	123
125	47.0	288.6	22,400	52.3	297.2	25,200	56.1	301.9	27,100	125
130	44.5	283.8	21,400	50.0	293.1	24,100	53.9	298.4	26,000	130
135	41.9	278.4	20,500	47.7	288.8	23,000	51.6	294.6	24,900	135
140	39.1	272.6	19,500	45.2	284.0	21,900	49.3	290.5	23,800	140
145	36.2	266.1	18,600	42.6	278.8	20,900	46.9	286.0	22,700	145
149	33.6	260.3	18,000	40.4	274.3	20,100	44.9	282.1	21,900	149
150	33.0	258.8	17,800	39.9	273.1	19,900	44.4	281.1	21,700	150
155	29.6	250.6	17,000	37.0	266.8	19,100	41.8	275.7	20,700	155
160	25.7	241.1	16,200	33.9	259.8	18,200	39.0	269.9	19,800	160
165	21.2	229.5	15,500	30.6	251.9	17,400	36.1	263.4	18,900	165
170	15.5	214.5	14,900	26.8	242.7	16,600	32.9	256.1	18,000	170
173	9.7	198.5	14,400	24.3	236.2	16,100	30.9	251.1	17,500	173
175	5.8	187.9	14,000	22.5	231.8	15,800	29.5	247.8	17,200	175
180				17.3	218.0	15,200	25.6	238.2	16,500	180
185				9.6	197.1	14,300	21.1	226.7	15,700	185
187				3.0	178.9	14,000	18.8	220.6	15,400	187
190							15.3	211.5	15,000	190
195							5.4	184.1	14,200	195
200										200
205										205
209										209
210										210
215										215
220										220
223										223
225										225
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236										236

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ASME B30.5



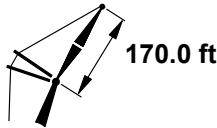
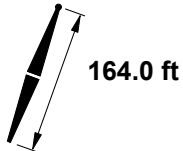
	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
58									58	
60									60	
65									65	
70									70	
75									75	
80									80	
85									85	
90									90	
95									95	
96									96	
100									100	
105									105	
110									110	
115									115	
120									120	
123	62.7	308.0	30,400						123	
125	61.9	307.0	29,900						125	
130	59.9	304.2	28,900						130	
135	57.8	301.2	27,600						135	
140	55.6	297.9	26,300						140	
145	53.4	294.3	25,000						145	
149	51.6	291.2	24,100	57.6	296.4	21,300			149	
150	51.2	290.4	23,900	57.2	295.8	21,100			150	
155	48.8	286.2	22,900	55.0	292.4	20,200			155	
160	46.4	281.7	21,900	52.8	288.8	19,300			160	
165	43.9	276.7	20,900	50.5	284.8	18,400			165	
170	41.2	271.2	20,100	48.1	280.5	17,600			170	
173	39.5	267.6	19,600	46.7	277.7	17,200	52.8	283.2	14,900	173
175	38.4	265.2	19,300	45.7	275.8	16,900	51.9	281.7	14,600	175
180	35.4	258.6	18,500	43.1	270.7	16,200	49.6	277.6	14,000	180
185	32.2	251.1	17,800	40.4	265.1	15,500	47.2	273.2	13,400	185
187	30.8	247.7	17,500	39.3	262.7	15,300	46.2	271.2	13,200	187
190	28.7	242.6	17,100	37.6	259.0	14,900	44.8	268.3	12,800	190
195	24.7	232.7	16,400	34.6	252.1	14,300	42.1	263.1	12,300	195
200	20.0	220.5	15,700	31.3	244.4	13,800	39.4	257.3	11,800	200
205	13.8	204.0	14,900	27.6	235.5	13,200	36.5	250.8	11,300	205
209	5.1	180.0	14,200	24.3	227.1	12,800	34.0	245.1	10,900	209
210				23.5	225.0	12,700	33.4	243.7	10,800	210
215				18.4	212.0	12,200	30.0	235.6	10,400	215
220				11.5	193.3	11,700	26.1	226.2	10,000	220
223				3.0	169.7	11,400	23.5	219.4	9,700	223
225							21.7	214.9	9,500	225
230							16.2	200.4	9,100	230
235							7.5	176.5	8,700	235
236							3.9	166.5	8,600	236

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ASME B30.5



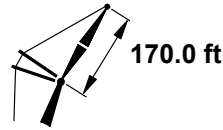
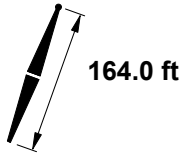
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
60	74.9	335.8	34,100						60	
65	73.2	334.4	33,500						65	
70	71.4	332.8	33,000						70	
75	69.6	331.0	31,700						75	
80	67.8	329.1	30,500						80	
83	66.7	327.8	29,800	70.9	331.1	32,300			83	
85	66.0	327.0	29,300	70.1	330.4	31,900			85	
90	64.1	324.6	28,100	68.3	328.5	30,900			90	
95	62.2	322.1	26,900	66.5	326.4	29,700			95	
100	60.3	319.4	25,700	64.7	324.2	28,500	67.8	326.5	30,300	100
105	58.4	316.4	24,500	62.8	321.7	27,300	65.9	324.4	29,100	105
110	56.4	313.2	23,400	60.9	319.0	26,200	64.1	322.0	28,000	110
115	54.3	309.7	22,300	58.9	316.1	25,000	62.2	319.5	26,900	115
120	52.2	306.0	21,300	56.9	313.0	23,900	60.3	316.8	25,800	120
125	50.1	302.0	20,200	54.9	309.6	22,800	58.3	313.8	24,700	125
127	49.2	300.2	19,800	54.1	308.1	22,400	57.5	312.5	24,200	127
130	47.8	297.6	19,200	52.8	305.9	21,700	56.3	310.6	23,600	130
135	45.5	292.9	18,300	50.7	302.0	20,700	54.3	307.1	22,500	135
140	43.1	287.8	17,400	48.4	297.7	19,700	52.2	303.4	21,400	140
145	40.6	282.2	16,500	46.2	293.1	18,700	50.0	299.3	20,400	145
150	37.9	276.1	15,700	43.8	288.1	17,800	47.8	295.0	19,400	150
154	35.6	270.7	15,000	41.8	283.7	17,000	45.9	291.2	18,700	154
155	35.1	269.3	14,900	41.3	282.6	16,800	45.4	290.2	18,500	155
160	32.0	261.8	14,100	38.6	276.7	16,100	43.0	285.1	17,600	160
165	28.7	253.2	13,300	35.9	270.1	15,200	40.5	279.5	16,700	165
170	24.9	243.3	12,300	32.9	262.8	14,500	37.8	273.4	15,800	170
175	20.6	231.4	11,500	29.6	254.6	13,600	35.0	266.6	15,000	175
179	16.2	218.9	10,900	26.7	247.0	12,800	32.5	260.5	14,400	179
180	15.1	215.8	10,800	26.0	245.1	12,600	31.9	259.0	14,300	180
185	5.7	188.4	10,000	21.9	233.8	11,800	28.6	250.4	13,300	185
190				16.8	219.5	11,000	24.8	240.5	12,500	190
195				9.3	197.9	10,300	20.4	228.5	11,600	195
197				2.9	179.2	10,000	18.2	222.2	11,300	197
200							14.9	212.8	10,800	200
205							5.2	184.5	10,200	205
210										210
215										215
219										219
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225										225
230										230
233										233
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246										246

MLC200 S-3

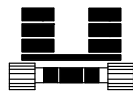
ASME B30.5



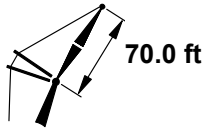
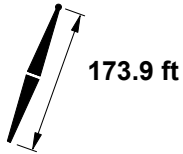
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
127	62.9	317.2	26,900							127
130	61.8	315.6	26,300							130
135	59.9	312.9	25,300							135
140	57.9	309.8	24,300							140
145	55.9	306.6	23,200							145
150	53.8	303.0	22,200							150
154	52.1	300.0	21,400	57.7	305.1	20,100				154
155	51.7	299.2	21,200	57.3	304.4	19,900				155
160	49.5	295.1	20,200	55.3	301.1	19,000				160
165	47.3	290.7	19,300	53.2	297.5	18,200				165
170	44.9	285.9	18,300	51.1	293.6	17,400				170
175	42.5	280.7	17,500	48.9	289.4	16,700				175
179	40.4	276.1	16,800	47.1	285.8	16,100	52.9	291.2	13,800	179
180	39.9	274.9	16,600	46.6	284.9	16,000	52.4	290.5	13,700	180
185	37.2	268.7	15,700	44.2	280.0	15,300	50.3	286.5	13,100	185
190	34.3	261.7	15,000	41.8	274.6	14,700	48.1	282.1	12,600	190
195	31.2	254.0	14,200	39.2	268.7	14,100	45.7	277.5	12,000	195
197	29.9	250.4	13,800	38.1	266.2	13,900	44.8	275.4	11,800	197
200	27.8	245.1	13,300	36.4	262.3	13,500	43.3	272.4	11,500	200
205	23.9	234.8	12,300	33.5	255.1	13,000	40.8	266.8	11,000	205
210	19.4	222.2	11,500	30.3	247.1	12,500	38.2	260.8	10,600	210
215	13.4	205.2	10,700	26.8	237.9	12,000	35.4	254.1	10,200	215
219	4.9	180.4	10,200	23.5	229.2	11,600	32.9	248.1	9,800	219
220				22.7	227.1	11,500	32.3	246.6	9,700	220
225				17.9	213.6	11,100	29.0	238.2	9,300	225
230				11.2	194.3	10,500	25.4	228.5	8,900	230
233				2.9	169.9	10,200	22.8	221.5	8,700	233
235							21.1	216.8	8,600	235
240							15.7	201.8	8,200	240
246							3.8	166.8	7,700	246

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ASME B30.5



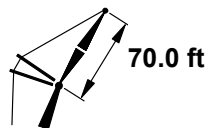
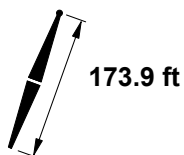
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	74.5	249.0	85,100 d						35	
40	70.3	247.4	84,900 d						40	
45	65.8	245.4	84,700 c						45	
50	61.3	242.9	80,800 b						50	
52	59.3	241.7	78,700 b	70.3	246.2	84,200 d			52	
55	56.5	239.9	75,500 b	67.7	245.0	80,900 c			55	
60	51.4	236.2	70,700	63.2	242.8	75,600 c			60	
64	47.1	232.7	67,200	59.4	240.5	71,700 c	67.7	243.6	74,600 c	
65	46.0	231.8	66,400	58.5	240.0	70,700 b	66.8	243.2	73,700 c	
70	40.0	226.5	62,400	53.6	236.6	66,200 b	62.3	240.8	68,900 c	
75	33.1	219.7	58,700	48.3	232.5	62,200	57.5	237.9	64,600 b	
80	24.6	210.6	55,400	42.5	227.6	58,500	52.5	234.4	60,500 b	
84	13.9	198.2	51,000	37.4	222.7	55,800	48.2	231.0	57,600 b	
85	11.3	195.2	49,900	36.1	221.5	55,100	47.2	230.2	56,900	
86	5.7	188.4	45,400	34.5	219.9	54,500	46.0	229.1	56,200	
90				28.4	213.6	52,000	41.3	225.0	53,400	
95				18.0	201.9	48,900	34.6	218.6	49,900	
98				6.3	188.0	47,200	29.8	213.5	48,000	
100							26.6	210.2	46,800	
104							17.4	199.6	44,500	
105							15.1	197.0	44,000	
107							6.2	186.4	42,800	
110									110	
115									115	
120									120	
122									122	
123									123	
125									125	
130									130	
135									135	
136									136	
140									140	
145									145	
150									150	

MLC200 S-3

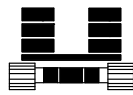
ASME B30.5



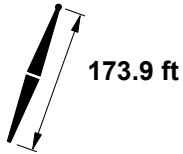
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35										35
40										40
45										45
50										50
52										52
55										55
60										60
64										64
65										65
70										70
75										75
80										80
84	63.0	237.7	52,800 c							84
85	62.0	237.2	52,000 c							85
86	61.1	236.6	51,300 c							86
90	57.3	234.2	48,500 b							90
95	52.3	230.7	45,400 b							95
98	49.1	228.2	43,700 b							98
100	46.9	226.5	42,600							100
104	42.2	222.3	40,500	57.7	229.8	36,500 b				104
105	41.0	221.3	40,000	56.7	229.1	36,000 b				105
107	38.3	218.7	39,100	54.7	227.7	35,200 b				107
110	34.3	214.8	37,800	51.7	225.5	34,000 b				110
115	26.2	206.2	35,700	46.2	221.2	32,100				115
120	14.3	192.7	33,700	40.3	215.8	30,400				120
122	4.1	180.3	32,900	37.5	213.2	29,800				122
123				36.2	211.8	29,500	52.6	220.3	26,200 b	123
125				33.4	209.2	28,800	50.6	218.7	25,700	125
130				25.1	200.2	27,400	45.0	214.1	24,400	130
135				12.2	185.4	25,900	38.9	208.6	23,200	135
136				7.4	179.6	25,600	37.5	207.2	22,900	136
140							31.8	201.5	22,000	140
145							22.9	191.9	21,000	145
150							7.0	173.2	19,900	150

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ASME B30.5



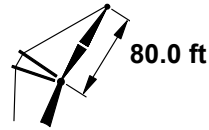
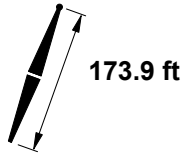
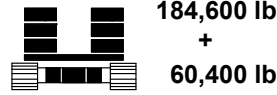
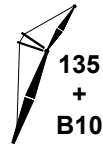
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	74.3	258.5	78,700 d							38
40	72.8	257.9	78,600 d							40
45	69.0	256.2	78,300 c							45
50	65.1	254.1	78,000 b							50
55	61.1	251.5	73,400 b	70.6	255.7	78,000 c				55
60	56.9	248.5	68,800	66.8	253.8	73,300 c				60
65	52.5	245.0	64,800	62.8	251.4	68,800 b				65
68	49.7	242.5	62,600	60.3	249.8	66,300 b	67.5	252.7	68,600 c	68
70	47.9	240.8	61,100	58.7	248.6	64,600 b	66.0	251.9	66,900 c	70
75	42.9	235.9	57,700	54.4	245.3	60,900	62.0	249.4	62,900 b	75
80	37.3	230.0	54,500	49.9	241.4	57,300	57.8	246.5	59,100 b	80
85	30.9	222.6	51,600	45.0	236.8	54,100	53.5	243.1	55,800	85
89	24.6	214.7	49,400	40.7	232.4	51,800	49.8	239.9	53,200	89
90	23.0	212.7	48,900	39.7	231.4	51,200	48.9	239.1	52,600	90
95	10.5	196.1	44,000	33.7	224.6	48,400	44.0	234.3	49,600	95
96	5.3	188.9	40,200	32.2	222.9	47,900	42.9	233.2	49,000	96
100				26.5	216.0	45,800	38.5	228.6	46,600	100
105				16.8	203.4	43,400	32.3	221.6	43,800	105
108				5.9	188.5	41,900	27.8	216.1	42,300	108
109							26.3	214.3	41,800	109
110							24.9	212.4	41,300	110
115							14.1	198.3	39,000	115
117							5.8	186.9	38,100	117
120										120
125										125
129										129
130										130
132										132
135										135
140										140
145										145
146										146
150										150
155										155
160										160

MLC200 S-3

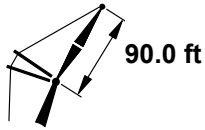
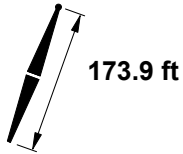
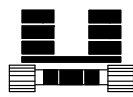
ASME B30.5



	75°		70°		65°		
	ft	lb	ft	lb	ft	lb	
38							38
40							40
45							45
50							50
55							55
60							60
65							65
68							68
70							70
75							75
80							80
85							85
89	62.6	246.4	48,800 b				89
90	61.8	245.8	48,100 b				90
95	57.6	242.9	45,000 b				95
96	56.8	242.2	44,400 b				96
100	53.3	239.5	42,200				100
105	48.7	235.4	39,700				105
108	45.7	232.5	38,300				108
109	44.7	231.6	37,900	58.0	238.4	34,000 b	109
110	43.7	230.6	37,400	57.1	237.8	33,600	110
115	38.3	224.9	35,400	52.8	234.3	31,700	115
117	35.8	222.0	34,600	50.9	232.6	31,000	117
120	32.0	217.8	33,500	48.1	230.2	30,000	120
125	24.5	208.5	31,800	43.1	225.3	28,500	125
129	15.6	196.8	30,400	38.7	220.5	27,300	129
130	13.4	193.9	30,100	37.6	219.4	27,000	130
132	3.8	180.6	29,400	35.0	216.4	26,500	132
135				31.2	212.1	25,700	135
140				23.4	202.4	24,500	140
145				11.4	186.4	23,200	145
146				6.9	180.2	23,000	146
150							150
155							155
160							160

MLC200 S-3

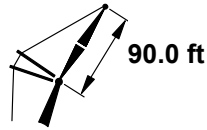
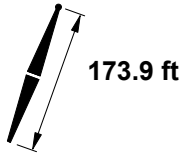
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	74.8	268.3	72,300 d							40
45	71.4	266.8	71,900 c							45
50	68.0	265.0	71,500 b							50
55	64.6	262.8	71,100 b							55
58	62.4	261.2	68,700 b	70.8	265.3	72,000 c				58
60	61.0	260.2	67,100	69.5	264.6	70,900 c				60
65	57.3	257.2	63,300	66.0	262.5	66,900 b				65
70	53.4	253.8	59,900	62.5	260.1	63,100 b				70
72	51.8	252.2	58,600	61.0	259.0	61,700 b	67.4	261.9	63,500 b	72
75	49.3	249.8	56,600	58.8	257.3	59,600	65.3	260.6	61,300 b	75
80	45.0	245.1	53,600	55.0	254.0	56,300	61.8	258.1	57,800 b	80
85	40.3	239.7	50,900	51.1	250.3	53,300	58.1	255.2	54,700	85
90	35.1	233.2	48,300	46.8	245.9	50,500	54.2	251.9	51,700	90
94	30.3	226.8	46,400	43.2	241.9	48,400	51.0	248.8	49,500	94
95	29.1	225.2	45,900	42.3	240.8	47,800	50.2	248.0	49,000	95
100	21.6	214.7	43,700	37.3	234.8	45,400	45.9	243.5	46,400	100
105	9.9	197.0	39,300	31.7	227.6	43,100	41.3	238.2	43,700	105
106	5.0	189.4	36,000	30.3	225.7	42,700	40.3	237.0	43,200	106
110				25.0	218.3	40,900	36.2	232.0	41,200	110
115				15.9	204.9	38,900	30.4	224.4	39,000	115
118				5.6	189.0	37,700	26.2	218.5	37,700	118
120							23.4	214.6	36,900	120
125							13.3	199.5	35,000	125
127							5.5	187.4	34,200	127
130										130
135										135
140										140
142										142
145										145
150										150
155										155
156										156
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165										165
170										170

MLC200 S-3

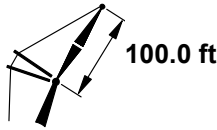
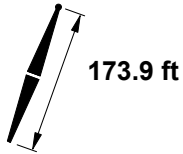
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
58										58
60										60
65										65
70										70
72										72
75										75
80										80
85										85
90										90
94	62.3	255.0	45,300 b							94
95	61.6	254.5	44,700 b							95
100	57.9	251.6	42,000							100
105	54.1	248.2	39,500							105
106	53.3	247.4	39,000							106
110	50.0	244.3	37,200							110
115	45.7	239.8	35,200	57.5	246.5	31,500				115
118	43.0	236.6	34,100	55.1	244.4	30,500				118
120	41.1	234.5	33,300	53.6	243.0	29,800				120
125	36.0	228.2	31,600	49.5	239.1	28,300				125
127	33.7	225.2	31,000	47.8	237.2	27,700				127
130	30.2	220.6	30,100	45.2	234.5	26,800				130
135	23.0	210.6	28,600	40.5	229.1	25,500	52.8	236.3	22,500	135
140	12.6	195.0	27,200	35.3	222.7	24,300	48.6	232.2	21,400	140
142	3.6	181.0	26,600	33.0	219.5	23,900	46.9	230.3	21,000	142
145				29.4	214.8	23,200	44.2	227.4	20,400	145
150				22.1	204.4	22,100	39.5	221.8	19,500	150
155				10.8	187.4	21,100	34.2	215.1	18,600	155
156				6.5	180.8	20,800	32.9	213.5	18,400	156
160							28.0	206.8	17,800	160
165							20.2	195.7	17,000	165
170							6.2	174.3	16,100	170

MLC200 S-3

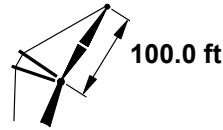
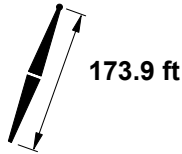
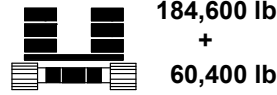
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	74.5	277.9	66,600 c							43
45	73.4	277.3	66,400 c							45
50	70.3	275.7	66,000 b							50
55	67.3	273.7	65,600 b							55
60	64.1	271.5	64,900							60
61	63.5	270.9	64,200	71.0	274.8	66,200 c				61
65	60.9	268.9	61,400	68.5	273.4	64,600 b				65
70	57.6	265.9	58,200	65.4	271.2	61,200 b				70
75	54.1	262.5	55,200	62.2	268.8	57,900	67.9	271.5	59,200 b	75
80	50.5	258.6	52,400	59.0	266.0	54,900	64.8	269.3	56,100 b	80
85	46.6	254.2	49,800	55.5	262.7	52,000	61.6	266.8	53,200	85
90	42.6	249.1	47,300	52.0	259.1	49,400	58.3	263.9	50,500	90
95	38.1	243.3	45,100	48.3	254.9	46,900	54.8	260.6	47,800	95
98	35.2	239.1	43,900	45.9	252.0	45,500	52.7	258.3	46,400	98
100	33.2	236.3	43,000	44.3	250.1	44,600	51.3	256.8	45,400	100
105	27.6	227.8	41,000	40.0	244.6	42,400	47.5	252.5	43,100	105
110	20.5	216.6	39,100	35.3	238.1	40,400	43.5	247.6	40,900	110
115	9.4	197.8	35,100	30.0	230.3	38,500	39.1	241.9	38,700	115
116	4.8	189.8	32,200	28.8	228.3	38,100	38.2	240.6	38,300	116
120				23.7	220.5	36,700	34.3	235.2	36,700	120
125				15.0	206.2	34,900	28.9	227.1	34,800	125
128				5.3	189.5	33,900	24.9	220.8	33,700	128
130							22.2	216.6	33,100	130
135							12.6	200.6	31,400	135
137							5.2	187.8	30,800	137
140										140
141										141
145										145
150										150
152										152
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MLC200 S-3

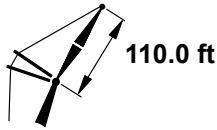
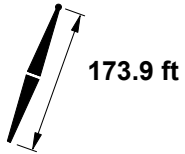
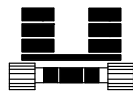
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43										43
45										45
50										50
55										55
60										60
61										61
65										65
70										70
75										75
80										80
85										85
90										90
95										95
98	62.7	264.2	42,600							98
100	61.4	263.2	41,500							100
105	58.1	260.3	39,100							105
110	54.7	256.9	36,800							110
115	51.1	253.2	34,800							115
116	50.3	252.3	34,500							116
120	47.3	248.8	33,000	57.7	255.1	29,400				120
125	43.3	243.9	31,300	54.3	251.8	27,800				125
128	40.6	240.4	30,400	52.1	249.5	27,000				128
130	38.9	238.1	29,700	50.6	247.9	26,400				130
135	34.1	231.4	28,300	46.8	243.5	25,100				135
137	31.9	228.1	27,800	45.2	241.5	24,700				137
140	28.6	223.2	27,000	42.8	238.5	24,000				140
141	27.2	221.0	26,700	41.9	237.3	23,700	52.8	244.3	20,800	141
145	21.8	212.5	25,700	38.4	232.7	22,800	49.9	241.1	20,000	145
150	12.0	196.1	24,500	33.5	225.8	21,800	46.0	236.5	19,100	150
152	3.4	181.3	24,000	31.2	222.4	21,400	44.3	234.5	18,700	152
155				27.9	217.3	20,800	41.9	231.3	18,200	155
160				20.9	206.3	19,900	37.4	225.3	17,400	160
165				10.2	188.3	19,000	32.4	218.1	16,600	165
166				6.2	181.4	18,800	31.2	216.3	16,500	166
170							26.5	209.3	15,900	170
175							19.1	197.4	15,200	175
180							5.9	174.8	14,400	180

MLC200 S-3

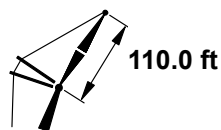
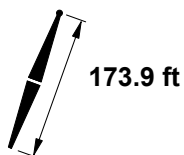
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.9	287.7	51,900 c						45	
50	72.2	286.2	50,900 b						50	
55	69.4	284.5	50,000 b						55	
60	66.6	282.5	49,100						60	
65	63.8	280.2	48,200	70.6	284.0	50,600 b			65	
70	60.8	277.5	47,300	67.8	282.1	49,900 b			70	
75	57.8	274.6	46,500	65.0	279.9	49,100			75	
79	55.3	271.9	45,900	62.6	277.9	48,500	67.8	280.7	49,600 b	
80	54.6	271.2	45,700	62.0	277.4	48,400	67.2	280.2	49,400 b	
85	51.4	267.4	45,000	59.1	274.6	47,700	64.4	278.0	48,900	
90	48.0	263.2	44,200	56.0	271.4	47,000	61.4	275.4	47,900	
95	44.4	258.4	43,300	52.8	267.8	44,900	58.4	272.5	45,600	
100	40.5	252.9	41,300	49.4	263.8	42,800	55.3	269.3	43,400	
103	38.0	249.1	40,200	47.3	261.1	41,600	53.4	267.1	42,200	
105	36.3	246.6	39,500	45.9	259.3	40,800	52.1	265.6	41,400	
110	31.6	239.2	37,800	42.1	254.1	38,900	48.7	261.5	39,400	
115	26.3	230.2	36,200	38.1	248.1	37,200	45.1	256.8	37,600	
120	19.6	218.3	34,600	33.6	241.2	35,500	41.3	251.5	35,900	
125	9.0	198.6	31,600	28.6	232.9	34,000	37.2	245.4	34,400	
126	4.5	190.2	29,000	27.4	230.9	33,600	36.3	243.9	34,100	
130				22.6	222.5	32,400	32.7	238.2	32,800	
135				14.3	207.5	31,000	27.5	229.6	31,300	
138				5.0	189.9	30,100	23.7	222.9	30,500	
140							21.2	218.5	29,900	
145							12.0	201.7	28,600	
147							4.9	188.3	28,000	
150									150	
155									155	
160									160	
162									162	
165									165	
170									170	
175									175	
176									176	
180									180	
185									185	
190									190	

MLC200 S-3

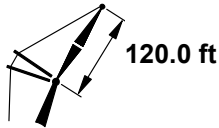
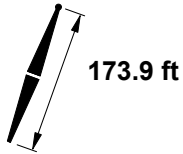
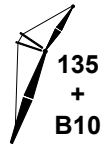
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
79										79
80										80
85										85
90										90
95										95
100										100
103	62.5	272.9	40,000							103
105	61.3	271.8	39,000							105
110	58.3	268.9	36,800							110
115	55.2	265.6	34,800							115
120	51.9	262.0	33,000							120
125	48.5	257.8	31,300	57.9	263.8	27,800				125
126	47.8	256.8	31,000	57.3	263.1	27,500				126
130	45.0	253.1	29,700	54.8	260.5	26,400				130
135	41.2	247.7	28,300	51.5	256.7	25,100				135
138	38.7	244.0	27,500	49.5	254.2	24,400				138
140	37.0	241.6	27,000	48.1	252.5	23,900				140
145	32.5	234.4	25,800	44.5	247.7	22,800				145
147	30.4	230.9	25,300	43.0	245.6	22,400	52.8	252.3	19,600	147
150	27.2	225.7	24,600	40.7	242.3	21,800	50.8	249.9	19,100	150
155	20.8	214.4	23,500	36.5	236.0	20,800	47.4	245.6	18,200	155
160	11.4	197.1	22,500	31.9	228.7	19,900	43.7	240.7	17,400	160
162	3.2	181.6	22,000	29.7	225.1	19,600	42.2	238.4	17,100	162
165				26.5	219.7	19,100	39.8	235.1	16,600	165
170				19.9	208.1	18,300	35.6	228.6	15,900	170
175				9.7	189.2	17,500	30.8	221.0	15,200	175
176				5.9	181.9	17,300	29.7	219.1	15,100	176
180							25.3	211.6	14,600	180
185							18.2	199.0	14,000	185
190							5.6	175.3	13,300	190

MLC200 S-3

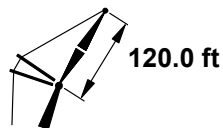
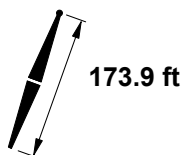
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	74.7	297.2	48,500 c							48
50	73.7	296.7	48,100 b							50
55	71.2	295.1	47,200 b							55
60	68.7	293.3	46,400							60
65	66.1	291.2	45,600							65
68	64.5	289.8	45,200	70.7	293.6	47,300 b				68
70	63.4	288.8	44,900	69.7	292.9	47,000 b				70
75	60.7	286.2	44,100	67.2	290.9	46,300				75
80	58.0	283.2	43,500	64.5	288.6	45,700				80
83	56.2	281.2	43,100	62.9	287.1	45,300	67.7	289.8	46,100	83
85	55.1	279.9	42,800	61.9	286.1	45,100	66.6	289.0	45,900	85
90	52.1	276.2	42,200	59.1	283.3	44,500	64.0	286.7	45,400	90
95	49.1	272.1	41,500	56.3	280.1	43,700	61.3	284.1	44,300	95
100	45.8	267.5	40,400	53.4	276.6	41,700	58.6	281.2	42,300	100
105	42.4	262.4	38,700	50.4	272.7	39,900	55.7	278.0	40,400	105
107	40.9	260.0	38,100	49.1	270.9	39,200	54.5	276.5	39,700	107
110	38.7	256.5	37,100	47.2	268.3	38,100	52.8	274.4	38,600	110
115	34.7	249.8	35,500	43.8	263.4	36,400	49.7	270.4	36,800	115
120	30.3	242.0	34,000	40.3	257.8	34,800	46.5	265.9	35,300	120
125	25.1	232.4	32,700	36.4	251.5	33,400	43.1	260.8	33,700	125
130	18.7	220.0	31,300	32.2	244.2	31,900	39.5	255.2	32,200	130
131	16.7	215.9	30,700	31.2	242.4	31,700	38.7	253.9	31,900	131
135	8.6	199.4	28,600	27.4	235.4	30,600	35.6	248.7	30,900	135
136	4.3	190.6	26,200	26.2	233.2	30,300	34.7	247.1	30,600	136
140				21.6	224.4	29,300	31.3	241.1	29,500	140
145				13.7	208.7	28,000	26.3	232.0	28,300	145
148				4.8	190.3	27,200	22.7	225.0	27,600	148
150							20.2	220.3	27,100	150
153							15.0	209.8	26,300	153
155							11.5	202.7	25,800	155
157							4.7	188.7	25,300	157
160										160
165										165
170										170
172										172
175										175
180										180
185										185
186										186
190										190
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200										200

MLC200 S-3

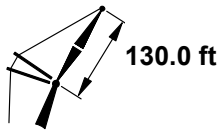
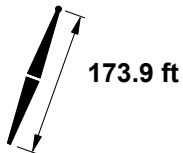
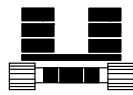
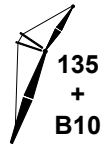
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
48										48
50										50
55										55
60										60
65										65
68										68
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
105										105
107	62.8	282.1	37,700							107
110	61.2	280.5	36,400							110
115	58.4	277.6	34,400							115
120	55.6	274.3	32,600							120
125	52.6	270.7	30,900							125
130	49.6	266.7	29,400							130
131	48.9	265.8	29,100	57.5	271.8	25,700				131
135	46.4	262.2	28,000	55.2	269.2	24,700				135
136	45.7	261.2	27,700	54.6	268.4	24,500				136
140	43.0	257.1	26,700	52.3	265.5	23,500				140
145	39.3	251.4	25,400	49.2	261.4	22,400				145
148	37.0	247.5	24,800	47.3	258.7	21,800				148
150	35.4	244.8	24,300	46.0	256.9	21,400				150
153	32.8	240.3	23,700	43.9	253.8	20,900	52.9	260.3	18,100	153
155	31.0	237.2	23,200	42.5	251.7	20,500	51.6	258.7	17,800	155
157	29.0	233.5	22,800	41.1	249.4	20,100	50.4	257.0	17,400	157
160	26.0	228.0	22,200	38.9	245.9	19,600	48.5	254.5	17,000	160
165	19.9	216.2	21,300	34.9	239.3	18,700	45.3	249.8	16,200	165
170	10.9	198.1	20,400	30.5	231.5	17,900	41.8	244.6	15,500	170
172	3.1	181.8	20,000	28.4	227.7	17,600	40.3	242.2	15,300	172
175				25.4	222.0	17,200	38.1	238.6	14,900	175
180				19.1	209.8	16,500	34.0	231.7	14,200	180
185				9.3	190.0	15,700	29.5	223.6	13,600	185
186				5.7	182.4	15,600	28.4	221.7	13,500	186
190							24.2	213.8	13,000	190
195							17.5	200.6	12,500	195
200							5.4	175.8	11,900	200

MLC200 S-3

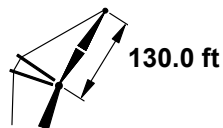
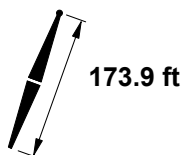
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.0	307.1	45,300 b							50
55	72.7	305.6	44,500 b							55
60	70.4	304.0	43,800							60
65	68.0	302.1	43,100							65
70	65.6	299.9	42,400							70
71	65.1	299.4	42,300	70.9	303.1	44,000				71
75	63.2	297.5	41,800	69.0	301.7	43,600				75
80	60.7	294.8	41,200	66.6	299.6	43,000				80
85	58.1	291.9	40,500	64.2	297.3	42,400				85
87	57.1	290.6	40,300	63.2	296.3	42,200	67.6	299.0	42,800	87
90	55.5	288.6	40,000	61.7	294.8	41,900	66.1	297.7	42,600	90
95	52.8	285.0	38,800	59.2	291.9	41,400	63.7	295.4	42,200	95
100	50.0	281.0	37,500	56.6	288.8	40,700	61.2	292.8	41,200	100
105	47.0	276.6	36,300	53.9	285.3	39,100	58.7	289.9	39,400	105
110	43.9	271.7	35,100	51.1	281.5	37,400	56.1	286.7	37,800	110
112	42.6	269.4	34,600	50.0	279.8	36,800	55.0	285.2	37,100	112
115	40.6	266.2	33,900	48.2	277.3	35,800	53.4	283.1	36,200	115
120	37.1	260.0	32,800	45.2	272.6	34,300	50.6	279.2	34,600	120
125	33.3	252.9	31,800	42.0	267.3	32,900	47.6	274.9	33,100	125
130	29.0	244.6	30,800	38.6	261.4	31,600	44.6	270.1	31,700	130
135	24.1	234.6	29,800	34.9	254.7	30,200	41.4	264.7	30,400	135
136	22.9	232.0	29,500	34.1	253.2	30,000	40.7	263.5	30,200	136
140	18.0	221.6	28,600	30.9	247.0	29,000	37.9	258.7	29,200	140
145	8.3	200.1	26,000	26.3	237.8	27,900	34.1	251.8	28,000	145
146	4.2	191.0	23,800	25.2	235.5	27,600	33.3	250.2	27,800	146
150				20.7	226.3	26,700	30.0	243.8	26,800	150
155				13.2	209.9	25,600	25.2	234.3	25,700	155
158				4.6	190.7	24,900	21.8	226.9	25,100	158
159							20.6	224.5	24,900	159
160							19.4	222.1	24,700	160
165							11.1	203.7	23,600	165
167							4.5	189.1	23,200	167
170										170
175										175
180										180
182										182
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MLC200 S-3

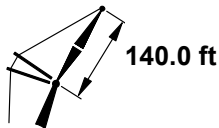
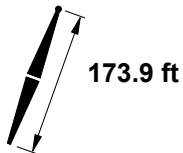
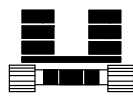
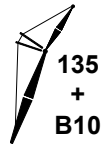
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
71										71
75										75
80										80
85										85
87										87
90										90
95										95
100										100
105										105
110										110
112	62.6	290.8	35,300							112
115	61.1	289.2	34,100							115
120	58.6	286.3	32,300							120
125	55.9	283.0	30,700							125
130	53.2	279.5	29,100							130
135	50.4	275.5	27,700							135
136	49.8	274.7	27,500	57.7	280.5	24,200				136
140	47.5	271.2	26,400	55.6	277.9	23,300				140
145	44.4	266.4	25,200	52.9	274.3	22,200				145
146	43.8	265.3	25,000	52.3	273.5	22,000				146
150	41.2	261.0	24,100	50.1	270.3	21,200				150
155	37.7	254.9	23,000	47.2	265.9	20,200				155
158	35.5	250.7	22,400	45.3	263.0	19,700				158
159	34.7	249.4	22,200	44.7	262.0	19,500	52.9	268.3	16,900	159
160	34.0	248.0	22,000	44.1	261.0	19,300	52.3	267.5	16,700	160
165	29.8	239.9	21,100	40.8	255.5	18,500	49.5	263.4	16,000	165
167	27.9	236.1	20,800	39.4	253.1	18,200	48.3	261.6	15,700	167
170	25.0	230.3	20,200	37.3	249.4	17,700	46.5	258.9	15,300	170
175	19.1	217.9	19,400	33.5	242.3	17,000	43.4	253.9	14,600	175
180	10.5	199.0	18,600	29.3	234.1	16,300	40.1	248.3	14,000	180
182	3.0	182.1	18,200	27.3	230.2	16,000	38.7	245.8	13,800	182
185				24.4	224.2	15,600	36.5	242.0	13,400	185
190				18.3	211.4	15,000	32.6	234.7	12,800	190
195				9.0	190.8	14,300	28.3	226.2	12,300	195
196				5.4	182.9	14,200	27.3	224.1	12,200	196
200							23.2	215.9	11,800	200
205							16.8	202.1	11,300	205
210							5.1	176.3	10,800	210

MLC200 S-3

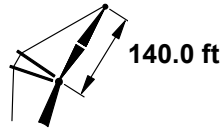
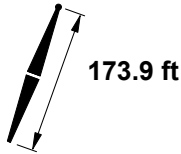
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	74.8	316.6	42,000 b							53
55	74.0	316.1	41,700 b							55
60	71.8	314.5	41,000							60
65	69.7	312.8	40,500							65
70	67.5	310.8	39,800							70
75	65.2	308.6	39,200	70.6	312.3	40,700				75
80	63.0	306.2	38,700	68.4	310.4	40,200				80
85	60.6	303.5	37,900	66.2	308.3	39,700				85
90	58.3	300.6	36,600	63.9	306.0	39,200	67.9	308.6	39,700	90
95	55.8	297.3	35,300	61.6	303.4	38,700	65.7	306.4	39,300	95
100	53.3	293.8	34,000	59.3	300.6	37,400	63.4	304.1	38,900	100
105	50.7	289.9	32,800	56.8	297.5	36,200	61.1	301.4	38,100	105
110	48.0	285.6	31,600	54.4	294.1	34,900	58.8	298.5	36,600	110
115	45.2	280.8	30,400	51.8	290.3	33,600	56.3	295.4	35,100	115
116	44.6	279.8	30,200	51.3	289.5	33,400	55.8	294.7	34,800	116
120	42.2	275.6	29,300	49.2	286.2	32,400	53.9	291.9	33,600	120
125	39.1	269.8	28,300	46.4	281.6	31,200	51.3	288.0	32,300	125
130	35.7	263.2	27,200	43.5	276.6	30,100	48.6	283.8	31,000	130
135	32.1	255.8	26,300	40.4	271.1	29,100	45.8	279.2	29,700	135
140	28.0	247.1	25,400	37.2	264.8	28,000	42.9	274.1	28,500	140
141	27.0	245.1	25,200	36.5	263.4	27,800	42.3	272.9	28,300	141
145	23.2	236.7	24,600	33.6	257.8	26,900	39.8	268.4	27,400	145
150	17.3	223.2	23,900	29.7	249.7	26,100	36.5	262.0	26,300	150
155	8.0	200.9	23,500	25.3	240.1	25,200	32.9	254.8	25,300	155
156	4.0	191.3	21,600	24.2	237.7	25,000	32.1	253.1	25,100	156
160				20.0	228.1	24,200	28.9	246.4	24,300	160
165				12.7	211.0	23,200	24.3	236.4	23,300	165
168				4.5	191.1	22,600	21.0	228.8	22,800	168
170							18.7	223.8	22,400	170
175							10.6	204.7	21,400	175
177							4.4	189.5	21,000	177
180										180
185										185
190										190
192										192
195										195
200										200
205										205
206										206
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215										215
220										220

MLC200 S-3

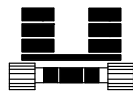
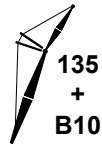
ASME B30.5



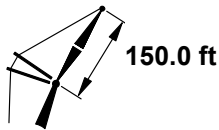
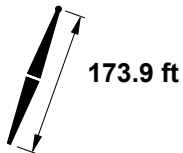
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53										53
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
116	62.9	300.0	33,400							116
120	61.0	297.8	31,900							120
125	58.7	294.9	30,300							125
130	56.2	291.7	28,700							130
135	53.7	288.2	27,300							135
140	51.2	284.4	26,100							140
141	50.6	283.5	25,800	57.9	289.2	22,600				141
145	48.5	280.2	24,900	55.9	286.6	21,800				145
150	45.7	275.5	23,700	53.4	283.0	20,800				150
155	42.7	270.4	22,700	50.8	279.1	19,800				155
156	42.1	269.2	22,500	50.3	278.3	19,700				156
160	39.6	264.6	21,700	48.1	274.9	19,000				160
165	36.3	258.2	20,800	45.3	270.2	18,100	52.9	276.3	15,500	165
168	34.1	253.9	20,300	43.6	267.0	17,700	51.3	273.9	15,100	168
170	32.7	251.0	19,900	42.4	265.0	17,400	50.3	272.3	14,900	170
175	28.7	242.5	19,100	39.3	259.2	16,600	47.6	267.9	14,200	175
177	26.8	238.5	18,800	37.9	256.6	16,400	46.4	266.0	14,000	177
180	24.1	232.5	18,300	35.9	252.7	15,900	44.7	263.1	13,600	180
185	18.4	219.6	17,600	32.2	245.3	15,300	41.7	257.8	13,000	185
190	10.1	199.9	16,900	28.2	236.7	14,700	38.6	251.9	12,500	190
192	2.9	182.4	16,500	26.3	232.6	14,400	37.2	249.2	12,200	192
195				23.5	226.4	14,100	35.2	245.2	11,900	195
200				17.6	213.0	13,500	31.4	237.6	11,400	200
205				8.6	191.6	12,900	27.2	228.7	11,000	205
206				5.2	183.4	12,800	26.3	226.5	10,900	206
210							22.4	217.9	10,500	210
215							16.2	203.6	10,000	215
220							5.0	176.7	9,600	220

MLC200 S-3

ASME B30.5



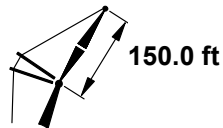
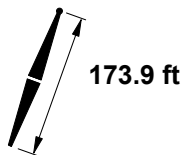
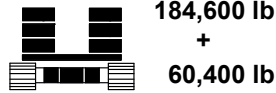
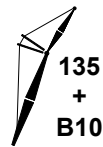
184,600 lb
+
60,400 lb



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	74.7	326.2	39,000 b							56
60	73.1	325.0	38,500							60
65	71.1	323.4	38,000							65
70	69.0	321.6	37,300							70
75	67.0	319.6	36,800							75
78	65.7	318.2	36,400	70.7	321.9	37,700				78
80	64.9	317.3	36,200	69.9	321.1	37,600				80
85	62.8	314.9	34,800	67.8	319.2	37,100				85
90	60.6	312.2	33,600	65.8	317.1	36,600				90
94	58.8	309.8	32,600	64.1	315.2	35,800	67.8	317.7	36,700	94
95	58.4	309.2	32,300	63.7	314.7	35,600	67.4	317.3	36,600	95
100	56.1	306.0	31,100	61.5	312.1	34,300	65.3	315.1	36,300	100
105	53.8	302.5	29,900	59.3	309.3	33,100	63.2	312.7	35,200	105
110	51.4	298.7	28,800	57.1	306.2	31,900	61.1	310.1	34,000	110
115	48.9	294.5	27,600	54.8	302.8	30,700	58.9	307.2	32,900	115
120	46.3	289.9	26,600	52.4	299.1	29,500	56.6	304.0	31,700	120
121	45.7	288.9	26,300	51.9	298.3	29,300	56.1	303.3	31,400	121
125	43.6	284.9	25,400	49.9	295.1	28,300	54.3	300.6	30,500	125
130	40.7	279.4	24,400	47.4	290.7	27,300	51.9	296.8	29,300	130
135	37.7	273.3	23,500	44.7	285.8	26,200	49.4	292.7	28,300	135
140	34.5	266.4	22,500	41.9	280.5	25,100	46.9	288.3	27,100	140
145	30.9	258.6	21,700	39.0	274.7	24,200	44.2	283.3	26,100	145
147	29.4	255.0	21,400	37.7	272.1	23,800	43.0	281.2	25,700	147
150	27.0	249.6	20,900	35.9	268.1	23,200	41.4	277.9	25,100	150
155	22.4	238.7	20,100	32.5	260.8	22,300	38.4	271.9	24,000	155
160	16.7	224.7	19,400	28.7	252.3	21,400	35.2	265.3	23,100	160
165	7.7	201.5	18,900	24.4	242.3	20,600	31.7	257.7	22,200	165
166	3.9	191.7	18,900	23.4	239.8	20,500	31.0	255.9	22,000	166
170				19.3	229.8	19,900	27.9	249.0	21,300	170
171				17.9	226.3	19,800	27.0	246.9	21,200	171
175				12.3	212.1	19,300	23.5	238.6	20,600	175
178				4.3	191.5	19,000	20.2	230.6	20,200	178
180							18.1	225.4	19,900	180
185							10.3	205.6	19,300	185
187							4.2	189.9	19,100	187
190										190
195										195
200										200
202										202
205										205
210										210
215										215
216										216
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230										230

MLC200 S-3

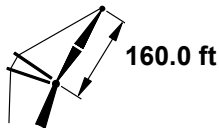
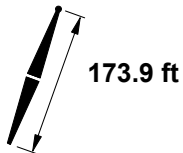
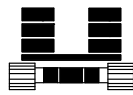
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
70										70
75										75
78										78
80										80
85										85
90										90
94										94
95										95
100										100
105										105
110										110
115										115
120										120
121	62.7	308.6	31,500							121
125	61.0	306.5	30,200							125
130	58.8	303.6	28,600							130
135	56.5	300.4	27,300							135
140	54.2	296.9	26,000							140
145	51.8	293.2	24,800							145
147	50.8	291.5	24,300	57.6	297.2	21,300				147
150	49.3	289.1	23,600	56.2	295.3	20,700				150
155	46.7	284.6	22,600	53.9	291.8	19,700				155
160	44.0	279.6	21,600	51.5	288.0	18,900				160
165	41.2	274.2	20,700	49.0	283.8	18,000				165
166	40.6	273.0	20,600	48.5	282.9	17,900				166
170	38.2	268.2	19,900	46.4	279.3	17,300				170
171	37.6	266.8	19,700	45.9	278.3	17,100	52.9	284.3	14,600	171
175	35.0	261.5	19,100	43.7	274.3	16,600	51.0	281.1	14,100	175
178	32.9	256.9	18,600	42.0	271.0	16,100	49.5	278.6	13,700	178
180	31.6	253.8	18,300	40.9	268.8	15,900	48.5	276.9	13,500	180
185	27.7	245.0	17,600	37.9	262.7	15,200	45.9	272.2	12,900	185
187	25.9	240.8	17,300	36.6	259.9	15,000	44.8	270.2	12,700	187
190	23.2	234.5	16,900	34.6	255.9	14,600	43.1	267.2	12,400	190
195	17.8	221.2	16,200	31.1	248.1	14,000	40.3	261.5	11,900	195
200	9.8	200.8	15,600	27.2	239.2	13,500	37.2	255.3	11,400	200
202	2.8	182.6	15,300	25.4	234.9	13,300	35.9	252.5	11,200	202
205				22.7	228.4	12,900	33.9	248.3	10,900	205
210				17.0	214.6	12,400	30.3	240.3	10,500	210
215				8.3	192.3	11,900	26.3	231.1	10,000	215
216				5.1	183.8	11,800	25.4	228.8	9,900	216
220							21.6	219.8	9,600	220
230							4.8	177.1	8,700	230

MLC200 S-3

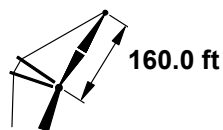
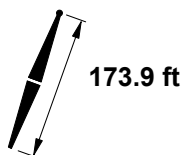
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	74.9	336.0	36,200 b							58
60	74.2	335.4	35,900							60
65	72.3	333.9	35,400							65
70	70.4	332.2	34,800							70
75	68.5	330.4	34,300							75
80	66.6	328.3	33,000							80
81	66.2	327.8	32,700	70.8	331.4	34,800				81
85	64.6	326.0	31,800	69.3	329.9	34,400				85
90	62.6	323.5	30,500	67.4	328.0	33,500				90
95	60.6	320.8	29,300	65.4	325.8	32,300				95
98	59.3	319.1	28,600	64.2	324.3	31,600	67.8	326.9	33,400	98
100	58.5	317.9	28,100	63.4	323.4	31,100	67.0	326.1	33,000	100
105	56.4	314.7	27,000	61.4	320.8	30,000	65.0	323.8	31,900	105
110	54.2	311.2	25,800	59.4	317.9	28,800	63.0	321.4	30,800	110
115	51.9	307.5	24,700	57.2	314.8	27,600	61.0	318.8	29,700	115
120	49.6	303.4	23,600	55.1	311.5	26,500	58.9	315.9	28,500	120
125	47.2	298.9	22,500	52.9	307.8	25,400	56.8	312.7	27,400	125
130	44.7	294.1	21,500	50.6	303.9	24,300	54.6	309.3	26,300	130
135	42.1	288.8	20,500	48.2	299.6	23,200	52.4	305.6	25,200	135
140	39.4	283.0	19,600	45.8	295.0	22,200	50.1	301.6	24,100	140
145	36.5	276.6	18,700	43.2	289.9	21,100	47.7	297.2	23,000	145
150	33.4	269.5	17,900	40.6	284.3	20,200	45.3	292.5	22,100	150
152	32.0	266.2	17,600	39.4	281.8	19,800	44.2	290.4	21,600	152
155	29.9	261.3	17,100	37.7	278.2	19,200	42.7	287.3	21,000	155
160	26.1	251.9	16,400	34.7	271.3	18,400	40.0	281.6	20,100	160
165	21.7	240.7	15,600	31.4	263.6	17,600	37.1	275.4	19,200	165
170	16.2	226.1	15,000	27.8	254.8	16,800	34.0	268.4	18,300	170
175	7.4	202.2	14,200	23.6	244.4	16,000	30.7	260.5	17,500	175
176	3.8	192.0	14,100	22.6	241.8	15,900	29.9	258.7	17,400	176
177				21.7	239.3	15,700	29.2	256.8	17,200	177
180				18.7	231.5	15,400	27.0	251.4	16,700	180
185				11.9	213.2	14,600	22.7	240.6	16,000	185
188				4.2	191.9	14,100	19.6	232.4	15,600	188
190							17.5	226.9	15,300	190
195							10.0	206.5	14,500	195
197							4.1	190.2	14,200	197
200										200
205										205
210										210
212										212
215										215
220										220
226										226
230										230
240										240

MLC200 S-3

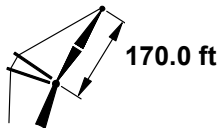
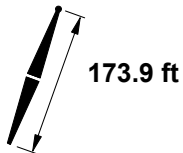
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58										58
60										60
65										65
70										70
75										75
80										80
81										81
85										85
90										90
95										95
98										98
100										100
105										105
110										110
115										115
120										120
125	62.9	317.8	29,800							125
130	60.9	315.1	28,300							130
135	58.8	312.2	26,900							135
140	56.7	309.1	25,600							140
145	54.5	305.7	24,400							145
150	52.3	302.0	23,300							150
152	51.4	300.3	22,900	57.7	305.9	19,900				152
155	50.0	297.9	22,300	56.5	304.0	19,300				155
160	47.6	293.6	21,300	54.3	300.5	18,500				160
165	45.2	288.8	20,400	52.0	296.8	17,700				165
170	42.6	283.6	19,500	49.7	292.7	16,900				170
175	39.9	277.9	18,700	47.3	288.3	16,200				175
176	39.3	276.6	18,600	46.8	287.3	16,000				176
177	38.7	275.4	18,400	46.3	286.3	15,900	52.9	292.3	13,500	177
180	37.0	271.6	18,000	44.9	283.5	15,500	51.6	289.9	13,100	180
185	33.9	264.6	17,300	42.3	278.2	14,900	49.2	285.8	12,500	185
188	31.9	259.8	16,800	40.6	274.7	14,500	47.8	283.1	12,200	188
190	30.5	256.6	16,600	39.5	272.4	14,300	46.8	281.3	12,000	190
195	26.8	247.5	15,900	36.6	266.0	13,700	44.3	276.4	11,500	195
197	25.1	243.1	15,700	35.4	263.2	13,500	43.3	274.2	11,300	197
200	22.5	236.6	15,300	33.5	258.9	13,100	41.7	271.0	11,000	200
205	17.2	222.7	14,700	30.1	250.9	12,600	38.9	265.1	10,500	205
210	9.5	201.6	14,100	26.3	241.5	12,100	36.0	258.6	10,100	210
212	2.7	182.8	13,900	24.6	237.1	11,900	34.7	255.7	9,900	212
215				21.9	230.4	11,600	32.8	251.3	9,700	215
220				16.5	216.0	11,100	29.3	243.0	9,300	220
226				4.9	184.3	10,600	24.3	230.2	8,800	226
230							20.9	221.7	8,500	230
240							4.6	177.5	7,600	240

MLC200 S-3

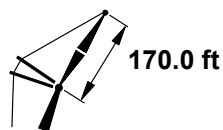
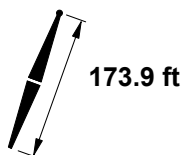
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61	74.8	345.5	33,400							61
65	73.4	344.4	32,900							65
70	71.6	342.8	32,400							70
75	69.8	341.1	31,500							75
80	68.0	339.1	30,400							80
84	66.5	337.4	29,400	70.9	340.9	31,500				84
85	66.2	337.0	29,200	70.6	340.6	31,400				85
90	64.3	334.7	28,000	68.8	338.7	30,800				90
95	62.4	332.2	26,800	66.9	336.7	29,700				95
100	60.5	329.5	25,700	65.1	334.5	28,500				100
102	59.7	328.3	25,200	64.4	333.5	28,100	67.7	336.1	29,700	102
105	58.6	326.6	24,600	63.2	332.1	27,400	66.6	334.8	29,200	105
110	56.6	323.4	23,400	61.3	329.4	26,300	64.7	332.5	28,200	110
115	54.5	319.9	22,400	59.4	326.6	25,200	62.8	330.1	27,100	115
120	52.4	316.2	21,300	57.4	323.5	24,100	60.9	327.4	26,000	120
125	50.3	312.2	20,300	55.4	320.2	23,000	59.0	324.5	24,900	125
130	48.0	307.9	19,300	53.3	316.6	22,000	57.0	321.4	23,900	130
135	45.7	303.2	18,400	51.2	312.7	20,900	55.0	318.0	22,800	135
140	43.3	298.2	17,500	49.0	308.5	19,900	52.9	314.4	21,800	140
145	40.8	292.6	16,600	46.7	304.0	18,900	50.7	310.4	20,800	145
150	38.2	286.6	15,800	44.3	299.1	18,000	48.5	306.2	19,800	150
155	35.4	279.9	15,000	41.9	293.8	17,100	46.2	301.6	18,800	155
157	34.1	276.9	14,700	40.8	291.4	16,800	45.3	299.6	18,400	157
160	32.3	272.4	14,200	39.3	287.9	16,200	43.9	296.6	17,900	160
165	29.0	264.0	13,400	36.5	281.5	15,500	41.4	291.2	17,000	165
170	25.3	254.2	12,500	33.6	274.4	14,600	38.7	285.2	16,100	170
175	21.1	242.6	11,600	30.4	266.4	13,900	36.0	278.7	15,300	175
180	15.7	227.5	10,800	26.9	257.3	13,000	33.0	271.4	14,600	180
183	10.6	212.7	10,400	24.5	250.8	12,400	31.0	266.5	14,100	183
185	7.2	202.8	10,200	22.9	246.5	12,000	29.8	263.2	13,800	185
186	3.7	192.3	10,000	22.0	243.8	11,900	29.0	261.3	13,600	186
190				18.1	233.1	11,200	26.2	253.8	12,800	190
195				11.5	214.2	10,400	22.0	242.6	11,900	195
198				4.0	192.3	10,100	19.0	234.1	11,400	198
200							17.0	228.5	11,100	200
205							9.7	207.3	10,400	205
207							4.0	190.6	10,100	207
210										210
215										215
220										220
222										222
230										230
236										236
240										240
250										250

MLC200 S-3

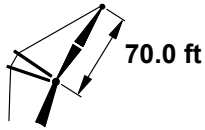
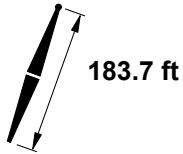
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61										61
65										65
70										70
75										75
80										80
84										84
85										85
90										90
95										95
100										100
102										102
105										105
110										110
115										115
120										120
125										125
130	62.8	326.5	26,600							130
135	60.8	323.8	25,600							135
140	58.9	320.9	24,600							140
145	56.9	317.8	23,600							145
150	54.9	314.4	22,700							150
155	52.8	310.7	21,700							155
157	51.9	309.1	21,300	57.9	314.6	18,700				157
160	50.6	306.8	20,700	56.7	312.6	18,200				160
165	48.4	302.5	19,800	54.6	309.2	17,400				165
170	46.1	297.9	18,800	52.5	305.5	16,600				170
175	43.7	292.9	18,000	50.4	301.5	15,900				175
180	41.2	287.4	17,000	48.2	297.2	15,200				180
183	39.7	283.8	16,500	46.8	294.4	14,900	52.9	300.3	12,500	183
185	38.6	281.5	16,200	45.9	292.6	14,600	52.1	298.7	12,300	185
186	38.1	280.1	16,000	45.4	291.6	14,500	51.6	297.9	12,100	186
190	35.8	274.9	15,400	43.5	287.5	14,000	49.9	294.7	11,700	190
195	32.8	267.6	14,600	40.9	282.0	13,400	47.7	290.3	11,200	195
198	30.9	262.6	14,100	39.4	278.4	13,100	46.3	287.4	10,900	198
200	29.6	259.3	13,800	38.3	276.0	12,900	45.4	285.5	10,700	200
205	26.0	249.8	12,800	35.5	269.3	12,400	42.9	280.4	10,300	205
207	24.3	245.3	12,500	34.3	266.3	12,200	41.9	278.1	10,100	207
210	21.8	238.5	11,900	32.5	261.9	11,900	40.4	274.8	9,800	210
215	16.7	224.2	11,200	29.2	253.5	11,400	37.7	268.6	9,400	215
220	9.2	202.5	10,400	25.5	243.8	11,000	34.9	261.8	9,000	220
222	2.6	183.1	10,100	23.6	238.6	10,800	33.6	258.6	8,800	222
230				16.0	217.5	10,100	28.5	245.6	8,200	230
236				4.8	184.7	9,600	23.5	232.3	7,700	236
240							20.3	223.5	7,400	240
250							4.5	177.9	6,600	250

MLC200 S-3

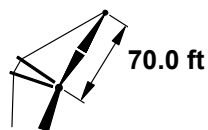
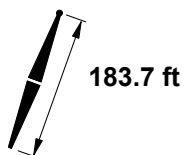
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	70.7	257.4	81,700 d							40
45	66.3	255.4	80,300 c							45
50	61.7	253.0	75,100 c							50
53	58.9	251.2	72,200 c	70.5	256.0	77,700 d				53
55	57.0	250.0	70,300 b	68.7	255.3	75,700 c				55
60	52.0	246.5	65,900 b	64.3	253.1	70,800 c				60
65	46.6	242.1	61,900	59.6	250.5	66,300 b				65
66	45.4	241.1	61,200	58.7	249.8	65,500 b	67.4	253.1	68,600 c	66
70	40.6	236.9	58,200	54.8	247.2	62,200 b	63.8	251.3	65,100 c	70
75	33.8	230.3	54,900	49.6	243.4	58,400	59.2	248.6	61,100 b	75
80	25.6	221.5	51,800	44.0	238.7	55,000	54.3	245.3	57,300 b	80
85	13.2	207.4	49,000	37.7	232.9	51,800	49.0	241.4	53,900	85
86	9.0	202.3	48,200	36.2	231.4	51,200	47.9	240.4	53,300	86
87				34.8	229.9	50,600	46.8	239.5	52,700	87
90				30.4	225.5	48,900	43.4	236.6	50,800	90
95				20.9	215.1	46,100	37.0	230.7	47,900	95
99				7.6	199.4	44,100	31.1	224.6	45,800	99
100							29.6	223.1	45,200	100
105							19.8	212.2	42,800	105
108							7.4	197.5	41,300	108
109							3.3	192.6	40,800	109
110										110
115										115
120										120
124										124
125										125
127										127
130										130
135										135
139										139
140										140
145										145
150										150
154										154

MLC200 S-3

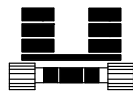
ASME B30.5



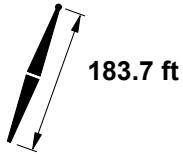
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
53										53
55										55
60										60
65										65
66										66
70										70
75										75
80										80
85										85
86										86
87	62.5	247.0	49,500 c							87
90	59.7	245.3	47,500 b							90
95	54.9	242.1	44,400 b							95
99	50.7	239.0	42,200 b							99
100	49.7	238.2	41,700							100
105	44.1	233.6	39,200							105
108	40.3	230.1	37,900	57.1	238.6	33,700 b				108
109	39.1	229.0	37,400	56.1	237.9	33,300 b				109
110	37.9	227.8	37,000	55.1	237.3	32,900 b				110
115	30.6	220.4	34,900	49.9	233.4	31,100				115
120	21.2	210.1	33,000	44.4	228.8	29,500				120
124	8.2	194.9	31,600	39.4	224.2	28,200				124
125				38.2	223.1	27,900				125
127				35.3	220.2	27,400	52.8	229.3	24,000 b	127
130				30.9	215.8	26,500	49.7	226.9	23,300	130
135				21.7	205.7	25,200	44.0	222.2	22,100	135
139				9.5	191.3	24,100	39.0	217.6	21,300	139
140							37.8	216.4	21,100	140
145							30.5	209.1	20,100	145
150							21.1	198.7	19,100	150
154							8.0	183.3	18,300	154

MLC200 S-3

ASME B30.5



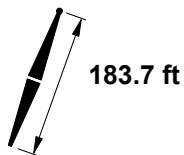
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	74.7	268.5	75,900 d						38	
40	73.2	267.9	75,800 d						40	
45	69.4	266.2	75,500 c						45	
50	65.5	264.1	72,600 c						50	
55	61.5	261.7	68,300 b						55	
56	60.7	261.1	67,400 b	70.8	265.6	72,100 c			56	
60	57.4	258.7	64,200 b	67.7	264.1	68,600 c			60	
65	53.0	255.2	60,400	63.8	261.8	64,500 b			65	
70	48.4	251.1	57,000	59.7	259.1	60,700 b	67.3	262.3	63,300 c	
75	43.4	246.3	53,800	55.4	255.9	57,100	63.4	260.0	59,500 b	
80	37.9	240.5	50,900	51.0	252.2	53,900	59.3	257.3	56,000 b	
85	31.6	233.2	48,200	46.2	247.8	50,900	55.0	254.1	52,800	
90	23.9	223.7	45,700	41.0	242.5	48,100	50.5	250.2	49,900	
92	19.3	217.6	44,800	38.7	240.0	47,000	48.6	248.4	48,800	
95	12.4	208.5	43,400	35.2	236.2	45,500	45.7	245.8	47,100	
96	8.4	203.0	42,600	33.8	234.5	45,000	44.6	244.7	46,600	
100				28.4	228.1	43,200	40.4	240.4	44,600	
105				19.6	216.9	40,900	34.6	233.9	42,200	
109				7.2	200.0	39,200	29.0	227.3	40,500	
110							27.6	225.6	40,000	
113							22.1	218.5	38,800	
115							18.5	213.8	37,900	
119							3.1	192.8	36,300	
120									120	
125									125	
130									130	
133									133	
134									134	
135									135	
140									140	
145									145	
149									149	
150									150	
155									155	
160									160	
164									164	

MLC200 S-3

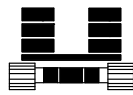
ASME B30.5



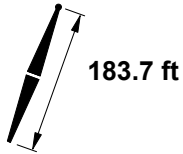
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38										38
40										40
45										45
50										50
55										55
56										56
60										60
65										65
70										70
75										75
80										80
85										85
90										90
92	62.2	255.6	45,800 b							92
95	59.8	254.0	44,000 b							95
96	58.9	253.3	43,500 b							96
100	55.5	250.8	41,300							100
105	51.1	247.1	38,900							105
109	47.2	243.6	37,100							109
110	46.3	242.7	36,600							110
113	43.2	239.5	35,400	57.4	247.3	31,400 b				113
115	41.1	237.5	34,600	55.7	246.0	30,700				115
119	36.5	232.4	33,200	52.2	243.0	29,400				119
120	35.3	231.1	32,800	51.3	242.3	29,100				120
125	28.5	223.1	31,100	46.5	237.9	27,600				125
130	19.8	211.9	29,500	41.4	232.7	26,200				130
133	10.7	199.7	28,600	37.9	228.9	25,400	52.9	237.3	22,200	133
134	7.7	195.6	28,300	36.8	227.7	25,100	51.9	236.5	21,900	134
135				35.6	226.4	24,900	51.0	235.7	21,700	135
140				28.9	218.5	23,700	46.3	231.3	20,700	140
145				20.3	207.6	22,500	41.1	226.1	19,700	145
149				8.8	192.1	21,600	36.4	221.0	18,900	149
150							35.3	219.7	18,800	150
155							28.5	211.7	17,900	155
160							19.7	200.5	17,000	160
164							7.5	184.0	16,300	164

MLC200 S-3

ASME B30.5



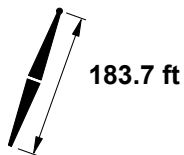
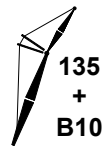
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	74.4	278.0	69,800 d						41	
45	71.8	276.8	69,500 c						45	
50	68.4	275.0	69,100 c						50	
55	64.9	272.8	66,200 b						55	
59	62.1	270.8	63,200 b	71.0	275.1	67,200 c			59	
60	61.4	270.3	62,500 b	70.3	274.8	66,500 c			60	
65	57.7	267.4	59,000	66.9	272.8	62,700 b			65	
70	53.8	264.0	55,800	63.3	270.5	59,200 b			70	
73	51.4	261.6	54,000	61.2	268.9	57,200 b	67.9	271.9	59,300 b	73
75	49.8	260.0	52,800	59.7	267.8	55,900	66.5	271.1	58,000 b	75
80	45.5	255.5	50,100	56.0	264.6	52,900	63.0	268.7	54,800 b	80
85	40.8	250.1	47,500	52.0	261.0	50,000	59.4	265.9	51,800	85
90	35.6	243.8	45,200	47.9	256.8	47,400	55.6	262.8	49,000	90
95	29.8	236.0	43,000	43.4	251.9	45,000	51.6	259.1	46,400	95
96	28.3	233.9	42,600	42.4	250.8	44,500	50.8	258.2	46,000	96
100	22.5	225.8	40,900	38.6	246.2	42,700	47.4	254.8	44,000	100
105	11.7	209.5	38,900	33.1	239.2	40,600	42.9	249.8	41,800	105
106	7.9	203.7	38,100	31.8	237.5	40,200	42.0	248.7	41,400	106
110				26.7	230.5	38,600	38.0	244.0	39,700	110
115				18.4	218.5	36,800	32.5	236.9	37,700	115
118				9.7	205.1	35,700	28.6	231.5	36,600	118
119				6.7	200.6	35,300	27.3	229.8	36,200	119
120							26.0	228.0	35,900	120
125							17.4	215.4	34,200	125
129							2.9	193.1	32,800	129
130										130
135										135
139										139
140										140
144										144
145										145
150										150
155										155
159										159
160										160
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170										170
174										174

MLC200 S-3

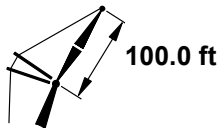
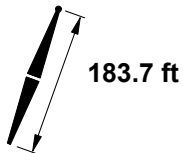
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41										41
45										45
50										50
55										55
59										59
60										60
65										65
70										70
73										73
75										75
80										80
85										85
90										90
95										95
96	62.7	264.8	43,200 b							96
100	59.8	262.6	41,100							100
105	56.0	259.5	38,600							105
106	55.3	258.8	38,200							106
110	52.1	255.9	36,400							110
115	48.0	251.7	34,400							115
118	45.3	248.8	33,300	57.7	255.9	29,500				118
119	44.4	247.8	33,000	57.0	255.3	29,100				119
120	43.5	246.8	32,600	56.2	254.6	28,800				120
125	38.7	241.1	31,000	52.3	251.0	27,300				125
129	34.3	235.6	29,700	49.0	247.7	26,200				129
130	33.2	234.2	29,400	48.2	246.9	26,000				130
135	26.9	225.5	28,000	43.7	242.0	24,700				135
139	20.3	216.0	26,900	39.9	237.5	23,800	52.9	245.3	20,600	139
140	18.6	213.6	26,600	38.9	236.4	23,500	52.1	244.5	20,400	140
144	7.3	196.2	25,600	34.6	230.9	22,600	48.8	241.2	19,600	144
145				33.5	229.5	22,400	47.9	240.3	19,500	145
150				27.2	221.0	21,400	43.5	235.5	18,600	150
155				19.1	209.3	20,400	38.6	229.7	17,700	155
159				8.3	192.9	19,600	34.3	224.2	17,100	159
160							33.2	222.8	16,900	160
165							26.8	214.1	16,100	165
170							18.6	202.2	15,400	170
174							7.1	184.6	14,800	174

MLC200 S-3

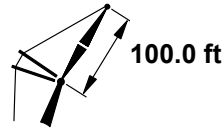
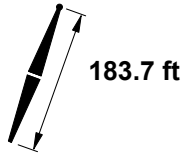
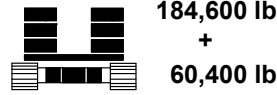
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43	74.9	287.9	64,500 c						43	
45	73.7	287.3	64,300 c						45	
50	70.7	285.7	63,900 c						50	
55	67.6	283.8	63,500 b						55	
60	64.4	281.5	60,500 b						60	
63	62.5	280.0	58,600 b	70.5	284.3	61,900 c			63	
65	61.2	279.0	57,300	69.3	283.6	60,600 b			65	
70	57.9	276.0	54,300	66.2	281.5	57,400 b			70	
75	54.5	272.7	51,500	63.0	279.2	54,300			75	
77	53.0	271.2	50,500	61.7	278.1	53,200	67.7	281.1	54,900 b	77
80	50.9	268.9	48,900	59.8	276.4	51,500	65.9	279.8	53,200 b	80
85	47.1	264.5	46,500	56.4	273.3	48,800	62.7	277.4	50,400	85
90	43.0	259.5	44,200	52.9	269.8	46,300	59.4	274.6	47,800	90
95	38.6	253.7	42,100	49.2	265.7	44,000	56.0	271.4	45,300	95
100	33.8	246.9	40,200	45.3	261.1	41,900	52.5	267.8	43,100	100
101	32.6	245.2	39,800	44.4	260.0	41,500	51.8	267.0	42,700	101
105	28.2	238.6	38,300	41.1	255.8	39,900	48.8	263.7	40,900	105
110	21.4	227.7	36,600	36.5	249.5	37,900	44.9	259.1	39,000	110
115	11.1	210.5	34,900	31.4	242.1	36,200	40.6	253.6	37,100	115
116	7.5	204.4	34,100	30.2	240.3	35,800	39.7	252.4	36,800	116
120				25.3	232.9	34,600	36.0	247.3	35,300	120
123				20.6	225.2	33,600	32.9	242.8	34,300	123
125				17.5	220.1	33,000	30.8	239.7	33,700	125
129				6.4	201.2	31,700	25.9	232.1	32,400	129
130							24.7	230.2	32,100	130
135							16.5	216.9	30,600	135
139							2.8	193.4	29,400	139
140										140
145										145
150										150
154										154
155										155
160										160
165										165
169										169
170										170
175										175
180										180
184										184

MLC200 S-3

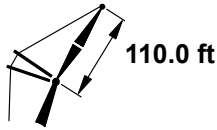
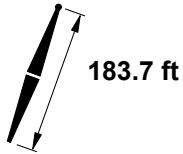
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43										43
45										45
50										50
55										55
60										60
63										63
65										65
70										70
75										75
77										77
80										80
85										85
90										90
95										95
100										100
101	62.4	273.5	40,100							101
105	59.8	271.3	38,200							105
110	56.4	268.2	36,000							110
115	52.9	264.6	34,000							115
116	52.2	263.8	33,700							116
120	49.3	260.6	32,200							120
123	46.9	257.8	31,300	58.0	264.6	27,500				123
125	45.4	256.0	30,600	56.6	263.3	26,900				125
129	42.0	251.7	29,400	53.8	260.5	25,800				129
130	41.2	250.7	29,100	53.1	259.8	25,500				130
135	36.6	244.5	27,700	49.4	255.8	24,300				135
139	32.5	238.6	26,600	46.3	252.1	23,400				139
140	31.5	237.1	26,400	45.5	251.2	23,100				140
145	25.5	227.9	25,100	41.4	245.9	22,000	52.9	253.3	19,000	145
150	17.7	215.2	24,000	36.8	239.8	21,000	49.2	249.3	18,100	150
154	6.9	196.9	23,000	32.7	233.9	20,300	46.1	245.6	17,500	154
155				31.7	232.4	20,100	45.3	244.6	17,300	155
160				25.8	223.3	19,200	41.1	239.3	16,500	160
165				18.1	210.9	18,300	36.6	233.1	15,800	165
169				7.9	193.6	17,600	32.5	227.2	15,200	169
170							31.4	225.7	15,100	170
175							25.4	216.5	14,400	175
180							17.6	203.8	13,700	180
184							6.7	185.2	13,200	184

MLC200 S-3

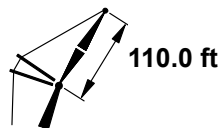
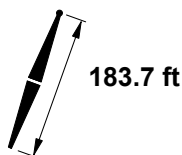
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46	74.6	297.4	50,700 c							46
50	72.5	296.2	49,900 c							50
55	69.7	294.5	49,000 b							55
60	66.9	292.5	48,200 b							60
65	64.1	290.2	47,300							65
66	63.5	289.7	47,100	70.7	293.9	49,500 b				66
70	61.1	287.6	46,400	68.5	292.4	49,000 b				70
75	58.1	284.7	45,700	65.6	290.3	48,200				75
80	55.0	281.4	44,900	62.7	287.8	47,500				80
81	54.3	280.7	44,800	62.1	287.3	47,300	67.6	290.2	48,400 b	81
85	51.7	277.7	44,200	59.8	285.1	46,400	65.4	288.5	47,700	85
90	48.3	273.5	42,300	56.7	282.0	44,200	62.5	286.0	45,400	90
95	44.7	268.8	40,400	53.5	278.5	42,100	59.5	283.3	43,300	95
100	40.9	263.4	38,600	50.2	274.6	40,200	56.4	280.1	41,200	100
105	36.8	257.1	37,000	46.7	270.2	38,300	53.2	276.6	39,200	105
110	32.1	249.9	35,300	43.1	265.1	36,600	49.9	272.6	37,400	110
115	26.9	241.0	33,800	39.1	259.4	35,000	46.4	268.2	35,700	115
120	20.3	229.6	32,300	34.8	252.8	33,400	42.7	263.1	34,100	120
125	10.6	211.5	31,000	29.9	244.9	31,900	38.7	257.2	32,600	125
126	7.2	205.1	30,700	28.7	242.9	31,600	37.8	255.9	32,300	126
129				25.3	237.0	30,800	35.2	251.8	31,500	129
130				24.1	235.0	30,600	34.3	250.5	31,200	130
135				16.7	221.6	29,200	29.4	242.4	29,800	135
139				6.1	201.7	28,200	24.7	234.4	28,800	139
140							23.5	232.4	28,500	140
145							15.7	218.3	27,200	145
149							2.6	193.6	26,300	149
150										150
151										151
155										155
160										160
164										164
165										165
170										170
175										175
179										179
180										180
185										185
190										190
194										194

MLC200 S-3

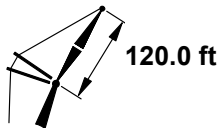
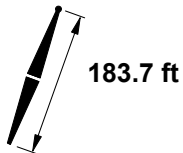
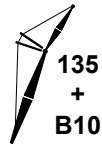
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46										46
50										50
55										55
60										60
65										65
66										66
70										70
75										75
80										80
81										81
85										85
90										90
95										95
100										100
105	62.8	282.7	38,200							105
110	59.8	280.0	36,000							110
115	56.8	276.9	34,000							115
120	53.6	273.4	32,200							120
125	50.3	269.5	30,600							125
126	49.6	268.6	30,300							126
129	47.5	265.9	29,400	57.5	272.7	25,800				129
130	46.8	265.1	29,100	56.9	272.0	25,500				130
135	43.1	260.1	27,700	53.8	268.6	24,300				135
139	40.0	255.5	26,600	51.1	265.4	23,300				139
140	39.2	254.3	26,400	50.5	264.7	23,100				140
145	34.8	247.7	25,200	47.0	260.3	22,000				145
149	31.0	241.4	24,300	44.0	256.3	21,200				149
150	30.0	239.8	24,000	43.3	255.3	21,000				150
151	28.8	237.9	23,800	42.5	254.2	20,800	52.9	261.3	17,900	151
155	24.3	230.1	23,000	39.4	249.6	20,100	50.3	258.1	17,300	155
160	16.9	216.7	22,000	35.1	243.0	19,200	46.8	253.7	16,500	160
164	6.6	197.4	21,200	31.2	236.8	18,600	43.8	249.7	15,900	164
165				30.2	235.2	18,400	43.1	248.7	15,800	165
170				24.6	225.6	17,600	39.1	243.0	15,100	170
175				17.3	212.5	16,900	34.8	236.3	14,400	175
179				7.5	194.3	16,200	30.9	230.0	13,900	179
180							29.9	228.4	13,800	180
185							24.2	218.7	13,200	185
190							16.8	205.3	12,600	190
194							6.4	185.8	12,200	194

MLC200 S-3

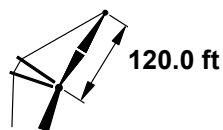
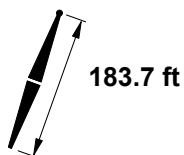
ASME B30.5



ft	87°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	75.0	307.2	47,500 c							48
50	74.0	306.7	47,200 c							50
55	71.5	305.1	46,300 b							55
60	68.9	303.3	45,600 b							60
65	66.4	301.2	44,800							65
69	64.2	299.4	44,200	70.8	303.4	46,200 b				69
70	63.7	298.9	44,100	70.3	303.1	46,100 b				70
75	61.0	296.3	43,400	67.8	301.1	45,500				75
80	58.3	293.4	42,700	65.2	299.0	44,800				80
85	55.4	290.1	42,100	62.5	296.5	44,300	67.5	299.4	45,000	85
90	52.5	286.5	41,300	59.8	293.8	43,000	64.9	297.2	44,000	90
95	49.4	282.4	39,500	57.0	290.7	41,000	62.3	294.7	42,000	95
100	46.2	277.9	37,800	54.1	287.2	39,200	59.5	291.9	40,100	100
105	42.7	272.8	36,100	51.1	283.4	37,400	56.7	288.8	38,300	105
110	39.1	267.0	34,600	48.0	279.2	35,800	53.8	285.3	36,600	110
115	35.1	260.4	33,100	44.6	274.4	34,200	50.8	281.5	35,000	115
120	30.7	252.7	31,800	41.1	269.0	32,800	47.6	277.2	33,400	120
125	25.7	243.3	30,500	37.4	262.9	31,400	44.3	272.3	32,000	125
130	19.5	231.3	29,300	33.2	255.8	30,000	40.8	266.9	30,600	130
134	12.0	216.2	28,300	29.5	249.1	29,100	37.7	261.9	29,600	134
135	10.1	212.4	28,100	28.6	247.5	28,800	37.0	260.7	29,300	135
136	6.9	205.7	27,700	27.5	245.4	28,600	36.1	259.2	29,000	136
140				23.1	237.1	27,600	32.8	253.5	28,000	140
145				16.0	223.0	26,500	28.1	245.0	26,900	145
149				5.8	202.3	25,500	23.6	236.5	25,900	149
150							22.5	234.4	25,700	150
155							15.1	219.7	24,600	155
157							8.8	206.7	24,200	157
159							2.5	193.8	23,700	159
160										160
165										165
170										170
174										174
175										175
180										180
185										185
189										189
190										190
195										195
200										200
204										204

MLC200 S-3

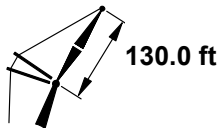
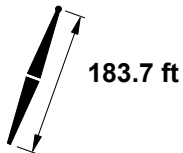
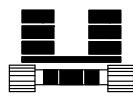
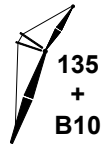
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48										48
50										50
55										55
60										60
65										65
69										69
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.6	291.4	35,600							110
115	59.9	288.6	33,600							115
120	57.1	285.5	31,800							120
125	54.2	282.1	30,200							125
130	51.2	278.3	28,700							130
134	48.6	274.9	27,600	57.7	281.3	24,100				134
135	48.0	274.0	27,300	57.2	280.7	23,800				135
136	47.4	273.1	27,000	56.6	280.0	23,600				136
140	44.7	269.3	26,000	54.3	277.3	22,700				140
145	41.2	263.9	24,800	51.3	273.5	21,600				145
149	38.2	259.0	23,900	48.8	270.1	20,800				149
150	37.4	257.8	23,700	48.2	269.2	20,600				150
155	33.3	250.8	22,700	44.9	264.5	19,700				155
157	31.5	247.4	22,300	43.5	262.4	19,400	52.9	269.3	16,500	157
159	29.6	244.1	21,900	42.1	260.2	19,000	51.7	267.7	16,200	159
160	28.7	242.4	21,700	41.4	259.2	18,900	51.1	267.0	16,100	160
165	23.2	232.2	20,800	37.6	253.1	18,000	48.0	262.7	15,300	165
170	16.1	218.2	19,900	33.5	246.1	17,300	44.7	257.9	14,700	170
174	6.3	198.0	19,200	29.8	239.5	16,700	41.9	253.6	14,200	174
175				28.9	237.9	16,500	41.2	252.5	14,000	175
180				23.5	227.7	15,800	37.4	246.4	13,400	180
185				16.5	214.0	15,200	33.3	239.4	12,900	185
189				7.2	194.9	14,600	29.6	232.7	12,400	189
190							28.6	231.1	12,300	190
195							23.2	220.8	11,800	195
200							16.1	206.7	11,300	200
204							6.1	186.3	10,800	204

MLC200 S-3

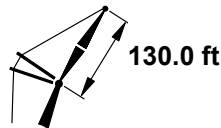
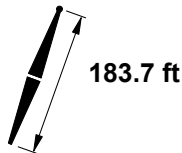
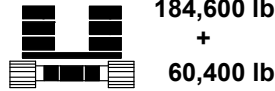
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	74.8	316.8	44,200 b						51	
55	72.9	315.6	43,700 b						55	
60	70.6	314.0	43,000						60	
65	68.3	312.1	42,300						65	
70	65.9	310.0	41,600						70	
72	64.9	309.0	41,400	71.0	313.0	43,000 b			72	
75	63.4	307.6	41,000	69.6	311.9	42,700			75	
80	60.9	305.0	40,400	67.2	309.9	42,200			80	
85	58.4	302.0	39,900	64.8	307.7	41,600			85	
88	56.8	300.1	39,500	63.3	306.2	41,400	67.9	309.0	42,000	88
90	55.8	298.8	39,300	62.3	305.2	41,200	67.0	308.1	41,700	90
95	53.1	295.2	38,600	59.8	302.4	40,100	64.5	305.9	40,900	95
100	50.2	291.3	37,000	57.2	299.4	38,400	62.1	303.4	39,100	100
105	47.3	286.9	35,400	54.6	296.0	36,700	59.6	300.6	37,400	105
110	44.2	282.0	34,000	51.8	292.2	35,100	57.0	297.5	35,800	110
114	41.6	277.7	32,900	49.5	288.9	34,000	54.8	294.8	34,600	114
115	41.0	276.6	32,600	49.0	288.1	33,700	54.3	294.1	34,300	115
120	37.5	270.5	31,300	46.0	283.5	32,200	51.5	290.3	32,800	120
125	33.7	263.5	30,100	42.8	278.4	30,900	48.7	286.1	31,400	125
130	29.5	255.4	28,900	39.5	272.7	29,700	45.7	281.5	30,100	130
135	24.7	245.6	27,800	35.8	266.2	28,500	42.5	276.3	28,900	135
139	19.9	235.5	26,900	32.7	260.2	27,600	39.8	271.7	27,900	139
140	18.7	233.0	26,700	31.9	258.7	27,300	39.1	270.5	27,700	140
145	9.7	213.2	25,600	27.4	250.0	26,200	35.5	263.9	26,600	145
146	6.6	206.3	25,200	26.4	247.8	26,000	34.7	262.4	26,400	146
150				22.2	239.1	25,200	31.5	256.4	25,500	150
155				15.3	224.4	24,200	27.0	247.4	24,500	155
159				5.6	202.7	23,300	22.7	238.6	23,700	159
160							21.6	236.3	23,500	160
163							17.3	227.1	22,900	163
165							14.5	221.0	22,500	165
169							2.4	194.0	21,700	169
170										170
175										175
180										180
184										184
185										185
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199										199
200										200
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214										214

MLC200 S-3

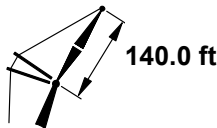
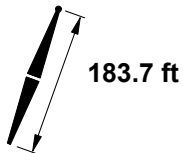
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51										51
55										55
60										60
65										65
70										70
72										72
75										75
80										80
85										85
88										88
90										90
95										95
100										100
105										105
110										110
114	62.9	300.6	33,700							114
115	62.4	300.0	33,300							115
120	59.9	297.3	31,600							120
125	57.3	294.2	29,900							125
130	54.6	290.8	28,400							130
135	51.9	287.1	27,100							135
139	49.6	283.8	26,000	57.9	290.0	22,600				139
140	49.0	283.0	25,800	57.4	289.4	22,400				140
145	46.0	278.4	24,600	54.7	286.0	21,400				145
146	45.4	277.4	24,400	54.2	285.2	21,200				146
150	42.9	273.3	23,500	52.0	282.3	20,400				150
155	39.5	267.6	22,500	49.1	278.2	19,500				155
159	36.6	262.4	21,700	46.8	274.5	18,800				159
160	35.9	261.1	21,500	46.2	273.6	18,600				160
163	33.6	256.7	21,000	44.3	270.6	18,100	53.0	277.3	15,400	163
165	32.0	253.7	20,600	43.0	268.5	17,800	51.8	275.8	15,100	165
169	28.4	246.7	19,900	40.3	264.0	17,200	49.6	272.4	14,500	169
170	27.5	244.9	19,700	39.7	262.9	17,000	49.0	271.6	14,400	170
175	22.3	234.2	18,900	36.1	256.4	16,300	46.0	267.0	13,800	175
180	15.5	219.6	18,100	32.2	249.1	15,700	42.8	261.9	13,200	180
184	6.1	198.5	17,500	28.6	242.1	15,100	40.2	257.4	12,700	184
185				27.8	240.4	15,000	39.5	256.2	12,600	185
190				22.6	229.7	14,400	35.9	249.7	12,100	190
195				15.9	215.4	13,800	31.9	242.3	11,600	195
199				6.9	195.5	13,300	28.4	235.3	11,200	199
200							27.5	233.6	11,100	200
205							22.3	222.8	10,600	205
210							15.4	208.1	10,100	210
214							5.9	186.8	9,800	214

MLC200 S-3

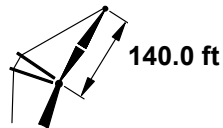
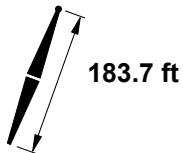
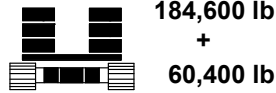
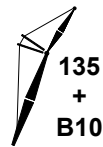
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54	74.6	326.3	41,100 b						54	
55	74.2	326.0	41,000 b						55	
60	72.1	324.5	40,300						60	
65	69.9	322.8	39,700						65	
70	67.7	320.9	39,100						70	
75	65.5	318.7	38,500						75	
76	65.0	318.2	38,400	70.7	322.1	39,900			76	
80	63.2	316.3	38,000	68.9	320.7	39,400			80	
85	60.9	313.6	37,500	66.7	318.6	39,000			85	
90	58.5	310.7	36,400	64.5	316.4	38,500			90	
92	57.5	309.4	35,900	63.5	315.4	38,300	67.8	318.1	38,800	92
95	56.1	307.5	35,200	62.2	313.9	38,000	66.5	316.9	38,600	95
100	53.6	304.0	33,900	59.8	311.1	37,100	64.2	314.6	37,800	100
105	51.0	300.1	32,700	57.4	308.0	35,700	61.9	312.0	36,300	105
110	48.3	295.9	31,500	55.0	304.7	34,200	59.6	309.2	34,800	110
115	45.5	291.2	30,500	52.4	301.0	32,800	57.2	306.2	33,400	115
119	43.1	287.0	29,500	50.3	297.8	31,700	55.2	303.5	32,200	119
120	42.6	286.0	29,300	49.8	297.0	31,400	54.7	302.8	31,900	120
125	39.4	280.2	28,300	47.1	292.5	30,200	52.2	299.1	30,600	125
130	36.1	273.8	27,300	44.2	287.6	29,000	49.5	295.0	29,400	130
135	32.5	266.4	26,400	41.2	282.2	27,900	46.8	290.5	28,200	135
140	28.4	257.9	25,500	38.0	276.2	26,800	43.9	285.6	27,100	140
145	23.8	247.7	24,700	34.5	269.3	25,700	40.9	280.1	26,000	145
150	18.0	234.6	23,900	30.7	261.5	24,700	37.6	274.0	25,000	150
155	9.4	214.1	23,300	26.4	252.3	23,800	34.1	267.1	24,000	155
156	6.4	206.8	22,800	25.4	250.1	23,600	33.4	265.5	23,800	156
160				21.4	241.1	22,800	30.3	259.1	23,000	160
165				14.8	225.7	21,900	26.0	249.8	22,100	165
169				5.4	203.2	21,200	21.8	240.5	21,400	169
170							20.8	238.2	21,300	170
175							13.9	222.2	20,400	175
179							2.3	194.2	19,700	179
180										180
185										185
190										190
194										194
195										195
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209										209
210										210
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224										224

MLC200 S-3

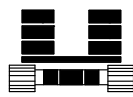
ASME B30.5



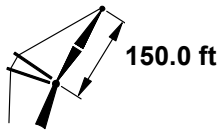
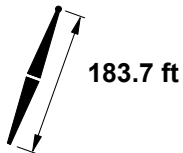
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54										54
55										55
60										60
65										65
70										70
75										75
76										76
80										80
85										85
90										90
92										92
95										95
100										100
105										105
110										110
115										115
119	62.7	309.2	31,500							119
120	62.2	308.7	31,200							120
125	59.9	305.9	29,500							125
130	57.5	302.9	28,000							130
135	55.0	299.6	26,700							135
140	52.5	295.9	25,400							140
145	49.9	291.9	24,200	57.6	298.0	20,900				145
150	47.1	287.4	23,100	55.1	294.7	20,000				150
155	44.3	282.6	22,100	52.6	291.1	19,100				155
156	43.6	281.5	21,900	52.1	290.2	18,900				156
160	41.2	277.1	21,200	50.0	287.0	18,200				160
165	38.0	271.1	20,300	47.2	282.6	17,400				165
169	35.3	265.7	19,600	45.0	278.7	16,800	53.0	285.3	14,100	169
170	34.6	264.3	19,400	44.4	277.8	16,700	52.5	284.5	14,000	170
175	30.8	256.5	18,600	41.4	272.4	16,000	49.8	280.5	13,400	175
179	27.4	249.2	18,000	38.8	267.6	15,400	47.6	277.0	12,900	179
180	26.5	247.4	17,900	38.2	266.4	15,300	47.1	276.1	12,800	180
185	21.5	236.1	17,100	34.7	259.6	14,700	44.2	271.2	12,200	185
190	14.9	220.9	16,400	31.0	251.9	14,100	41.2	265.8	11,700	190
194	5.8	199.1	15,900	27.6	244.6	13,600	38.6	260.9	11,300	194
195				26.7	242.8	13,500	38.0	259.7	11,200	195
200				21.7	231.7	12,900	34.5	252.9	10,700	200
205				15.3	216.7	12,400	30.8	245.1	10,300	205
209				6.7	196.1	11,900	27.3	237.8	9,900	209
210							26.5	235.9	9,800	210
215							21.4	224.7	9,400	215
220							14.9	209.4	9,000	220
224							5.7	187.3	8,600	224

MLC200 S-3

ASME B30.5



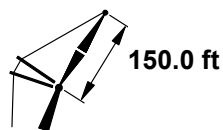
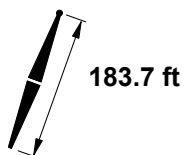
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
56	74.9	336.1	38,300 b						56	
60	73.3	335.0	37,800						60	
65	71.3	333.4	37,300						65	
70	69.3	331.6	36,700						70	
75	67.2	329.6	36,200						75	
79	65.5	327.8	35,700	70.8	331.7	37,000			79	
80	65.1	327.4	35,600	70.4	331.3	36,900			80	
85	63.0	325.0	34,600	68.3	329.5	36,400			85	
90	60.8	322.3	33,500	66.3	327.4	36,000			90	
95	58.6	319.4	32,300	64.2	325.1	35,500			95	
96	58.2	318.7	32,000	63.7	324.5	35,200	67.7	327.3	35,800	96
100	56.3	316.2	31,000	62.0	322.5	34,200	66.1	325.6	35,600	100
105	54.0	312.7	29,900	59.8	319.7	33,100	64.0	323.3	35,100	105
110	51.6	308.9	28,700	57.6	316.7	32,000	61.8	320.7	33,800	110
115	49.1	304.8	27,600	55.3	313.4	30,800	59.6	317.9	32,500	115
120	46.6	300.2	26,500	53.0	309.8	29,600	57.4	314.8	31,200	120
123	44.9	297.3	25,900	51.5	307.4	29,000	56.0	312.8	30,500	123
125	43.9	295.3	25,500	50.5	305.8	28,500	55.1	311.5	30,000	125
130	41.0	289.8	24,500	48.0	301.5	27,400	52.7	307.8	28,800	130
135	38.0	283.8	23,500	45.4	296.8	26,300	50.3	303.9	27,700	135
140	34.8	277.0	22,600	42.6	291.6	25,400	47.7	299.5	26,600	140
145	31.3	269.3	21,700	39.7	285.9	24,300	45.1	294.8	25,600	145
150	27.4	260.4	20,900	36.6	279.5	23,400	42.3	289.5	24,600	150
155	22.9	249.8	20,200	33.3	272.4	22,400	39.4	283.8	23,600	155
160	17.4	236.2	19,500	29.6	264.2	21,600	36.3	277.3	22,700	160
165	9.0	214.9	19,000	25.5	254.7	20,800	32.9	270.1	21,900	165
166	6.1	207.4	19,000	24.5	252.3	20,600	32.2	268.4	21,700	166
170				20.6	242.9	20,100	29.2	261.8	21,000	170
175				14.3	227.0	19,400	25.1	252.0	20,200	175
179				5.2	203.7	19,100	21.1	242.4	19,600	179
180							20.1	240.0	19,500	180
185							13.5	223.4	18,700	185
189							2.3	194.4	18,100	189
190										190
195										195
200										200
204										204
205										205
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215										215
219										219
220										220
225										225
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234										234

MLC200 S-3

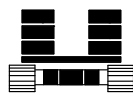
ASME B30.5



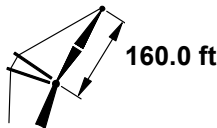
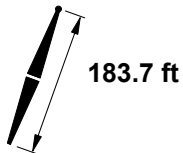
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56										56
60										60
65										65
70										70
75										75
79										79
80										80
85										85
90										90
95										95
96										96
100										100
105										105
110										110
115										115
120										120
123	62.9	318.4	30,100							123
125	62.1	317.4	29,400							125
130	59.9	314.6	27,900							130
135	57.6	311.6	26,600							135
140	55.4	308.3	25,300							140
145	53.0	304.6	24,100							145
150	50.6	300.7	23,000	57.8	306.7	19,900				150
155	48.1	296.4	22,000	55.5	303.4	19,000				155
160	45.4	291.7	21,100	53.1	299.8	18,100				160
165	42.7	286.5	20,200	50.7	295.9	17,300				165
166	42.1	285.4	20,000	50.2	295.0	17,200				166
170	39.8	280.8	19,300	48.2	291.6	16,600				170
175	36.7	274.5	18,600	45.6	286.9	15,900	53.0	293.3	13,300	175
179	34.0	268.8	18,000	43.4	282.8	15,300	51.0	290.1	12,800	179
180	33.4	267.4	17,800	42.8	281.8	15,200	50.6	289.4	12,700	180
185	29.7	259.2	17,100	39.9	276.1	14,600	48.0	285.1	12,100	185
189	26.4	251.6	16,600	37.5	271.0	14,100	45.9	281.3	11,700	189
190	25.6	249.7	16,400	36.8	269.8	14,000	45.4	280.3	11,600	190
195	20.7	238.0	15,800	33.5	262.7	13,400	42.7	275.2	11,100	195
200	14.4	222.2	15,100	29.9	254.6	12,900	39.8	269.5	10,600	200
204	5.6	199.6	14,600	26.6	247.0	12,500	37.3	264.4	10,300	204
205				25.8	245.1	12,400	36.7	263.1	10,200	205
210				21.0	233.6	11,900	33.3	256.0	9,800	210
215				14.8	218.1	11,400	29.7	247.8	9,400	215
219				6.5	196.7	11,000	26.4	240.2	9,000	219
220							25.6	238.3	8,900	220
225							20.7	226.6	8,500	225
230							14.4	210.7	8,100	230
234							5.5	187.8	7,700	234

MLC200 S-3

ASME B30.5



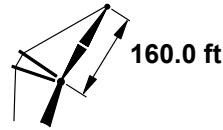
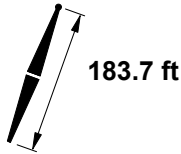
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
59	74.7	345.7	35,400 b						59	
60	74.4	345.4	35,300						60	
65	72.5	343.9	34,800						65	
70	70.6	342.2	34,200						70	
75	68.7	340.4	33,700						75	
80	66.8	338.3	32,800						80	
82	66.0	337.4	32,300	70.9	341.2	34,100			82	
85	64.8	336.1	31,600	69.8	340.2	33,800			85	
90	62.8	333.6	30,400	67.8	338.2	33,400			90	
95	60.8	330.9	29,200	65.9	336.1	32,200			95	
100	58.7	328.0	28,100	63.9	333.7	31,100	67.6	336.5	32,700	100
105	56.6	324.9	26,900	61.9	331.2	30,000	65.7	334.3	31,900	105
110	54.4	321.4	25,800	59.8	328.4	28,900	63.7	332.0	30,800	110
115	52.2	317.7	24,700	57.8	325.4	27,800	61.7	329.4	29,800	115
120	49.9	313.6	23,600	55.6	322.1	26,600	59.6	326.6	28,700	120
125	47.5	309.3	22,600	53.4	318.5	25,500	57.5	323.5	27,600	125
128	46.0	306.4	22,000	52.0	316.2	24,900	56.3	321.5	27,000	128
130	45.0	304.5	21,600	51.1	314.7	24,500	55.4	320.2	26,500	130
135	42.4	299.2	20,600	48.8	310.5	23,400	53.2	316.6	25,500	135
140	39.7	293.5	19,700	46.4	305.9	22,400	50.9	312.7	24,400	140
145	36.8	287.1	18,800	43.9	300.9	21,400	48.6	308.5	23,400	145
150	33.7	280.1	18,000	41.2	295.5	20,400	46.1	303.9	22,400	150
155	30.3	272.1	17,100	38.4	289.5	19,500	43.6	298.8	21,400	155
160	26.5	262.8	16,400	35.4	282.8	18,600	40.9	293.3	20,400	160
165	22.2	251.8	15,700	32.2	275.3	17,800	38.1	287.3	19,500	165
170	16.8	237.7	15,000	28.7	266.8	17,000	35.1	280.5	18,600	170
175	8.7	215.7	14,300	24.7	256.9	16,300	31.9	273.0	17,800	175
176	5.9	207.9	14,300	23.7	254.4	16,100	31.2	271.3	17,700	176
180				20.0	244.7	15,500	28.3	264.4	17,000	180
181				18.7	241.4	15,400	27.5	262.3	16,800	181
185				13.8	228.2	14,900	24.3	254.2	16,200	185
189				5.1	204.1	14,200	20.4	244.2	15,700	189
190							19.4	241.8	15,600	190
195							13.0	224.6	14,900	195
199							2.2	194.6	14,200	199
200										200
205										205
210										210
214										214
215										215
220										220
229										229
230										230
240										240
244										244

MLC200 S-3

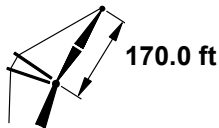
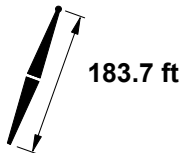
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
59										59
60										60
65										65
70										70
75										75
80										80
82										82
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
128	62.7	327.1	28,100							128
130	61.9	326.0	27,600							130
135	59.9	323.3	26,200							135
140	57.8	320.2	24,900							140
145	55.7	317.0	23,800							145
150	53.5	313.4	22,700							150
155	51.2	309.5	21,700	57.9	315.4	18,600				155
160	48.9	305.3	20,700	55.8	312.1	17,700				160
165	46.4	300.8	19,800	53.6	308.6	16,900				165
170	43.9	295.8	19,000	51.3	304.7	16,200				170
175	41.3	290.4	18,200	49.0	300.5	15,500				175
176	40.7	289.2	18,100	48.5	299.6	15,400				176
180	38.5	284.4	17,500	46.5	296.0	14,800				180
181	37.9	283.1	17,300	46.0	295.0	14,700	53.0	301.3	12,200	181
185	35.5	277.7	16,800	44.0	291.0	14,200	51.2	298.2	11,700	185
189	32.9	271.8	16,200	41.9	286.7	13,700	49.3	294.8	11,300	189
190	32.3	270.3	16,100	41.4	285.6	13,600	48.8	294.0	11,200	190
195	28.8	261.8	15,500	38.6	279.7	13,100	46.4	289.4	10,700	195
199	25.6	253.9	15,000	36.2	274.4	12,600	44.4	285.4	10,300	199
200	24.8	251.9	14,900	35.6	273.1	12,500	43.9	284.4	10,200	200
205	20.1	239.8	14,300	32.4	265.6	12,000	41.2	279.0	9,700	205
210	14.0	223.4	13,700	28.9	257.2	11,500	38.4	273.0	9,300	210
214	5.5	200.0	13,300	25.8	249.3	11,200	36.1	267.7	8,900	214
215				25.0	247.4	11,100	35.5	266.4	8,800	215
220				20.3	235.4	10,600	32.3	258.9	8,400	220
229				6.3	197.3	9,800	25.5	242.3	7,700	229
230							24.7	240.5	7,600	230
240							13.9	212.0	6,800	240
244							5.3	188.3	6,500	244

MLC200 S-3

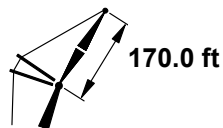
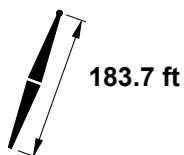
ASME B30.5



ft	87°			83°			80°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
62	75.0	355.5	31,400							62
65	73.9	354.7	31,100							65
70	72.1	353.1	30,100							70
75	70.4	351.4	28,900							75
80	68.6	349.6	27,800							80
85	66.7	347.5	26,700							85
86	66.4	347.1	26,500	71.0	350.8	29,300				86
90	64.9	345.3	25,700	69.6	349.3	28,400				90
95	63.0	342.8	24,600	67.8	347.4	27,400				95
100	61.1	340.2	23,600	65.9	345.3	26,300				100
104	59.6	337.9	22,700	64.4	343.4	25,500	67.9	346.1	27,300	104
105	59.2	337.3	22,500	64.1	342.9	25,200	67.6	345.6	27,100	105
110	57.2	334.2	21,500	62.2	340.4	24,200	65.7	343.5	26,100	110
115	55.2	330.8	20,600	60.2	337.6	23,200	63.9	341.1	25,100	115
120	53.1	327.2	19,600	58.3	334.7	22,200	62.0	338.6	24,100	120
125	50.9	323.3	18,700	56.3	331.5	21,200	60.1	335.8	23,100	125
130	48.7	319.1	17,800	54.2	328.0	20,200	58.1	332.8	22,100	130
133	47.4	316.3	17,300	53.0	325.7	19,700	56.9	330.9	21,500	133
135	46.4	314.5	16,900	52.1	324.2	19,300	56.1	329.6	21,200	135
140	44.1	309.6	16,100	50.0	320.2	18,400	54.0	326.1	20,200	140
145	41.6	304.2	15,300	47.7	315.8	17,600	51.9	322.3	19,300	145
150	39.0	298.3	14,600	45.4	311.1	16,700	49.7	318.2	18,400	150
155	36.2	291.8	13,900	43.0	305.9	15,900	47.5	313.8	17,600	155
160	33.3	284.6	13,100	40.4	300.3	15,200	45.2	309.0	16,800	160
162	32.0	281.3	12,800	39.4	297.9	14,900	44.2	307.0	16,400	162
165	30.1	276.5	12,300	37.8	294.2	14,400	42.7	303.9	15,900	165
170	26.5	267.2	11,400	34.9	287.4	13,700	40.2	298.2	15,100	170
175	22.4	256.2	10,700	31.9	279.8	12,900	37.5	292.0	14,400	175
180	17.5	242.4	10,000	28.5	271.2	11,900	34.6	285.1	13,700	180
185	10.5	222.4	9,300	24.8	261.2	11,200	31.5	277.5	12,800	185
187	5.8	208.4	9,100	23.0	256.4	10,900	30.2	274.0	12,500	187
188				22.1	254.0	10,700	29.5	272.2	12,300	188
190				20.4	249.2	10,400	28.2	268.7	11,900	190
195				14.8	233.4	9,800	24.4	258.6	11,100	195
200				4.9	204.6	9,100	19.9	246.3	10,400	200
205							14.1	229.9	9,700	205
210							2.1	194.9	9,100	210
215										215
220										220
225										225
230										230
235										235
240										240
250										250
255										255

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ASME B30.5



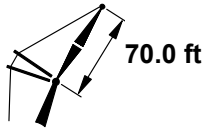
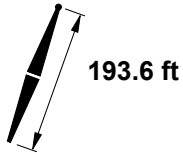
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62										62
65										65
70										70
75										75
80										80
85										85
86										86
90										90
95										95
100										100
104										104
105										105
110										110
115										115
120										120
125										125
130										130
133	63.0	336.3	24,300							133
135	62.2	335.2	23,900							135
140	60.3	332.5	23,000							140
145	58.3	329.5	22,100							145
150	56.3	326.3	21,200							150
155	54.3	322.9	20,300							155
160	52.2	319.1	19,500							160
162	51.3	317.5	19,100	57.6	323.4	17,200				162
165	50.0	315.1	18,600	56.4	321.5	16,700				165
170	47.8	310.7	17,700	54.4	318.0	16,000				170
175	45.4	306.0	16,900	52.3	314.3	15,300				175
180	43.0	300.9	16,100	50.1	310.3	14,600				180
185	40.5	295.3	15,300	47.9	305.9	14,000				185
187	39.4	292.8	15,000	46.9	304.0	13,800				187
188	38.9	291.6	14,900	46.5	303.1	13,600	53.0	309.3	11,100	188
190	37.8	289.1	14,600	45.6	301.2	13,400	52.2	307.8	10,800	190
195	35.0	282.3	13,900	43.1	296.1	12,900	50.0	303.7	10,300	195
200	31.9	274.8	13,000	40.6	290.5	12,300	47.7	299.4	9,800	200
205	28.6	266.2	12,100	38.0	284.4	11,800	45.4	294.6	9,400	205
210	24.8	256.3	11,300	35.1	277.7	11,400	43.0	289.5	8,900	210
215	20.5	244.3	10,600	32.1	270.1	10,900	40.5	283.9	8,500	215
220	14.9	228.6	9,900	28.8	261.6	10,500	37.8	277.7	8,100	220
225	5.3	200.5	9,200	25.0	251.7	10,000	35.0	271.0	7,700	225
230				20.7	239.9	9,600	31.9	263.4	7,300	230
235				15.2	224.4	9,200	28.6	254.8	6,900	235
240				6.1	197.8	8,800	24.8	244.9	6,600	240
250							14.9	217.1	5,900	250
255							5.1	188.8	5,500	255

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ASME B30.5



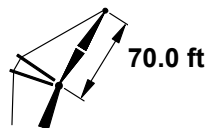
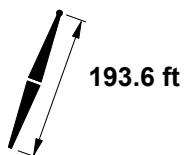
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	71.1	267.4	78,600 d						40	
45	66.8	265.5	78,100 c						45	
50	62.2	263.1	73,100 c						50	
54	58.4	260.8	69,500 c	70.7	265.9	74,300 d			54	
55	57.5	260.2	68,500 b	69.8	265.5	73,400 d			55	
60	52.5	256.7	64,300 b	65.4	263.5	68,800 c			60	
65	47.1	252.5	60,500	60.8	260.9	64,500 b			65	
68	43.6	249.4	58,300	57.9	259.1	62,100 b	67.2	262.7	64,800 c	68
70	41.3	247.3	56,900	56.0	257.8	60,500 b	65.4	261.8	63,200 c	70
75	34.6	240.9	53,700	50.9	254.1	56,900 b	60.8	259.3	59,200 c	75
80	26.5	232.4	50,700	45.4	249.6	53,500	56.0	256.2	55,700 b	80
85	15.0	219.2	47,900	39.3	244.1	50,500	50.9	252.5	52,400 b	85
87	5.9	208.4	46,100	36.5	241.4	49,300	48.7	250.7	51,200 b	87
90				32.3	237.2	47,600	45.4	248.0	49,300	90
95				23.5	227.8	45,000	39.3	242.5	46,600	95
100				8.8	210.5	42,500	32.3	235.6	44,000	100
105							23.5	226.2	41,600	105
110							8.8	208.9	39,300	110
111										111
115										115
120										120
125										125
127										127
130										130
131										131
135										135
140										140
143										143
145										145
150										150
155										155
158										158

MLC200 S-3

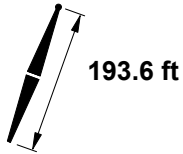
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
54										54
55										55
60										60
65										65
68										68
70										70
75										75
80										80
85										85
87										87
90	62.1	256.2	46,400 c							90
95	57.4	253.3	43,400 b							95
100	52.4	249.8	40,700 b							100
105	47.0	245.6	38,300							105
110	41.1	240.4	36,100							110
111	39.8	239.1	35,700	57.4	248.1	31,400 b				111
115	34.4	234.0	34,200	53.5	245.3	30,000 b				115
120	26.3	225.4	32,300	48.2	241.3	28,400				120
125	14.6	212.0	30,600	42.4	236.3	26,900				125
127	5.0	200.5	29,900	39.8	233.8	26,400				127
130				35.9	230.2	25,600				130
131				34.4	228.6	25,300	53.0	238.3	21,900 b	131
135				28.2	222.2	24,300	48.8	235.1	21,000	135
140				17.7	210.4	23,100	43.1	230.2	20,000	140
143				5.5	195.7	22,300	39.2	226.6	19,400	143
145							36.7	224.2	19,000	145
150							29.1	216.5	18,100	150
155							19.1	205.3	17,200	155
158							8.9	193.3	16,700	158

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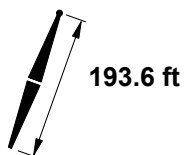
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	74.3	278.2	73,100 d							39
40	73.6	277.9	73,000 d							40
45	69.8	276.2	72,600 c							45
50	65.9	274.2	70,600 c							50
55	62.0	271.8	66,400 b							55
57	60.3	270.6	64,900 b	70.9	275.4	68,900 c				57
60	57.8	268.9	62,500 b	68.6	274.3	66,500 c				60
65	53.5	265.4	58,900	64.7	272.2	62,600 b				65
70	48.9	261.4	55,600	60.7	269.6	58,900 b				70
71	47.9	260.5	55,000	59.8	269.0	58,200 b	67.8	272.3	60,400 c	71
75	43.9	256.6	52,600	56.5	266.5	55,500 b	64.7	270.5	57,600 b	75
80	38.5	250.9	49,700	52.1	262.9	52,400	60.7	268.0	54,300 b	80
85	32.3	243.9	47,100	47.4	258.7	49,500	56.5	264.9	51,200 b	85
90	24.8	234.7	44,700	42.3	253.7	46,800	52.1	261.3	48,300	90
94	16.2	223.3	42,800	37.8	248.8	44,800	48.3	257.9	46,200	94
95	14.0	220.5	42,400	36.7	247.6	44,300	47.4	257.1	45,700	95
97	5.6	208.9	40,800	34.1	244.5	43,400	45.3	255.1	44,700	97
100				30.2	240.0	42,000	42.3	252.0	43,200	100
105				22.0	229.8	39,800	36.7	246.0	41,000	105
110				8.2	211.3	37,700	30.2	238.4	38,900	110
115							22.0	228.2	36,800	115
116							19.2	224.5	36,400	116
120							8.2	209.7	34,900	120
125										125
130										130
135										135
137										137
140										140
145										145
150										150
153										153
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168										168

MLC200 S-3

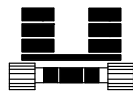
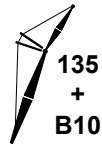
ASME B30.5



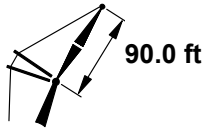
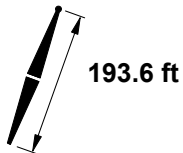
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39										39
40										40
45										45
50										50
55										55
57										57
60										60
65										65
70										70
71										71
75										75
80										80
85										85
90										90
94	62.7	265.4	43,600 b							94
95	61.9	264.9	43,000 b							95
97	60.2	263.7	41,900 b							97
100	57.7	262.0	40,300 b							100
105	53.4	258.6	37,900							105
110	48.8	254.5	35,800							110
115	43.8	249.7	33,800							115
116	42.7	248.6	33,500	57.8	256.8	29,300 b				116
120	38.4	244.0	32,000	54.3	254.1	28,000				120
125	32.2	236.9	30,400	49.8	250.2	26,500				125
130	24.6	227.7	28,800	44.9	245.6	25,200				130
135	13.7	213.3	27,400	39.6	240.0	24,000				135
137	4.7	200.9	26,700	37.1	237.3	23,500	53.0	246.3	20,100	137
140				33.5	233.3	22,800	50.3	244.0	19,500	140
145				26.4	224.6	21,700	45.4	239.4	18,600	145
150				16.6	211.9	20,700	40.1	234.0	17,700	150
153				5.1	196.2	20,000	36.6	230.1	17,200	153
155							34.2	227.4	16,900	155
160							27.2	219.0	16,100	160
165							17.8	207.0	15,300	165
168							8.3	194.0	14,800	168

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ASME B30.5



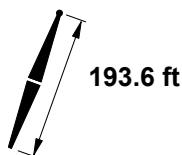
184,600 lb
+
60,400 lb



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	74.8	288.0	67,400 d							41
45	72.1	286.8	67,000 c							45
50	68.8	285.0	66,600 c							50
55	65.3	282.9	64,400 b							55
60	61.7	280.4	60,800 b							60
61	61.0	279.8	60,200 b	70.4	284.6	63,600 c				61
65	58.1	277.5	57,500	67.7	283.1	60,700 b				65
70	54.2	274.2	54,400	64.2	280.8	57,400 b				70
75	50.2	270.3	51,500	60.6	278.2	54,200 b	67.7	281.5	56,100 b	75
80	45.9	265.8	48,900	56.9	275.2	51,300	64.2	279.2	53,100 b	80
85	41.3	260.5	46,400	53.0	271.7	48,600	60.6	276.6	50,200 b	85
90	36.2	254.3	44,100	48.9	267.6	46,000	56.9	273.6	47,500	90
95	30.4	246.7	41,900	44.5	262.9	43,700	53.0	270.1	45,000	95
99	24.8	238.8	40,300	40.7	258.5	41,900	49.7	266.8	43,100	99
100	23.4	236.8	39,900	39.8	257.4	41,500	48.9	266.0	42,600	100
105	13.2	221.7	38,100	34.5	250.8	39,400	44.5	261.3	40,500	105
107	5.2	209.4	36,600	32.1	247.5	38,700	42.6	259.1	39,700	107
110				28.4	242.6	37,500	39.8	255.8	38,400	110
115				20.7	231.7	35,700	34.5	249.2	36,500	115
120				7.7	212.0	34,000	28.4	241.0	34,700	120
122							25.3	236.6	34,100	122
125							20.7	230.1	33,100	125
130							7.8	210.4	31,400	130
135										135
140										140
144										144
145										145
147										147
150										150
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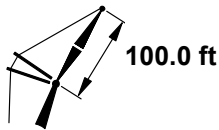
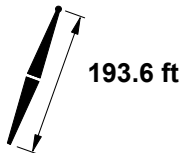
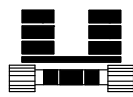
ASME B30.5



	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41										41
45										45
50										50
55										55
60										60
61										61
65										65
70										70
75										75
80										80
85										85
90										90
95										95
99	62.4	274.1	40,600 b							99
100	61.7	273.6	40,100 b							100
105	58.0	270.7	37,700							105
107	56.4	269.3	36,800							107
110	54.1	267.3	35,600							110
115	50.1	263.4	33,600							115
120	45.8	258.9	31,800							120
122	44.0	256.8	31,200	57.3	264.8	27,100				122
125	41.2	253.6	30,200	55.0	262.8	26,300				125
130	36.1	247.4	28,700	51.0	259.0	25,000				130
135	30.3	239.7	27,300	46.7	254.6	23,800				135
140	23.2	229.8	26,000	42.2	249.5	22,600				140
144	15.0	217.5	25,000	38.2	244.7	21,800	52.2	253.6	18,500	144
145	12.9	214.5	24,700	37.2	243.5	21,600	51.4	252.8	18,400	145
147	4.4	201.3	24,200	34.9	240.6	21,200	49.7	251.1	18,000	147
150				31.6	236.2	20,600	47.2	248.5	17,500	150
155				24.8	226.9	19,600	42.7	243.5	16,700	155
160				15.6	213.3	18,700	37.8	237.6	15,900	160
163				4.8	196.6	18,100	34.4	233.3	15,500	163
165							32.2	230.4	15,200	165
170							25.6	221.4	14,500	170
175							16.8	208.5	13,800	175
178							7.9	194.7	13,400	178

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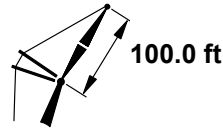
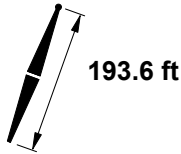
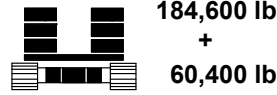
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	74.6	297.5	52,600 d							44
45	74.0	297.3	52,400 c							45
50	71.0	295.7	51,400 c							50
55	67.9	293.8	50,300 b							55
60	64.8	291.6	49,300 b							60
64	62.2	289.6	48,500 b	70.6	294.2	51,400 c				64
65	61.6	289.1	48,300	70.0	293.8	51,200 c				65
70	58.3	286.2	47,400	66.9	291.8	50,400 b				70
75	54.8	282.9	46,600	63.8	289.5	49,600 b				75
79	51.9	279.9	45,900	61.2	287.4	48,800 b	67.6	290.6	50,200 b	79
80	51.2	279.1	45,700	60.5	286.9	48,600	66.9	290.2	49,900 b	80
85	47.5	274.8	44,300	57.2	283.9	46,200	63.8	287.9	47,400 b	85
90	43.4	269.9	42,200	53.7	280.4	43,900	60.6	285.3	45,000	90
95	39.1	264.2	40,200	50.1	276.5	41,700	57.2	282.3	42,800	95
100	34.3	257.5	38,400	46.2	272.0	39,700	53.7	278.8	40,700	100
103	31.0	252.6	37,300	43.8	268.9	38,600	51.5	276.5	39,500	103
105	28.8	249.3	36,600	42.1	266.9	37,900	50.1	274.9	38,700	105
110	22.1	238.8	35,000	37.7	260.9	36,100	46.2	270.4	36,900	110
115	12.5	222.8	33,400	32.7	253.8	34,400	42.1	265.3	35,100	115
117	5.0	209.8	32,100	30.4	250.3	33,800	40.3	262.9	34,500	117
120				26.9	245.1	32,800	37.7	259.3	33,500	120
125				19.7	233.4	31,400	32.7	252.2	32,000	125
127				14.7	225.1	30,800	30.4	248.7	31,400	127
130				7.4	212.6	29,900	26.9	243.5	30,500	130
135							19.7	231.8	29,100	135
140							7.4	211.0	27,700	140
145										145
150										150
155										155
157										157
160										160
165										165
170										170
173										173
175										175
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185										185
188										188

MLC200 S-3

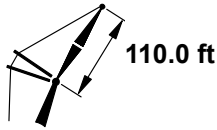
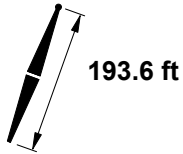
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44										44
45										45
50										50
55										55
60										60
64										64
65										65
70										70
75										75
79										79
80										80
85										85
90										90
95										95
100										100
103	62.8	283.3	38,200							103
105	61.5	282.2	37,300							105
110	58.2	279.3	35,100							110
115	54.7	276.0	33,200							115
117	53.3	274.5	32,500							117
120	51.2	272.2	31,400							120
125	47.4	267.9	29,800							125
127	45.8	266.0	29,200	57.5	273.5	25,300				127
130	43.3	263.0	28,300	55.5	271.5	24,500				130
135	39.0	257.3	27,000	51.9	267.8	23,300				135
140	34.2	250.5	25,700	48.2	263.6	22,200				140
145	28.7	242.4	24,500	44.2	258.8	21,200				145
150	22.0	231.8	23,400	39.9	253.3	20,200	52.3	261.6	17,000	150
155	12.2	215.6	22,300	35.2	246.8	19,300	48.6	257.4	16,200	155
157	4.2	201.7	21,800	33.1	243.6	18,900	47.0	255.5	15,900	157
160				29.9	239.0	18,400	44.6	252.7	15,500	160
165				23.5	229.0	17,600	40.4	247.3	14,800	165
170				14.8	214.6	16,800	35.8	240.9	14,100	170
173				4.6	197.0	16,300	32.6	236.3	13,800	173
175							30.5	233.2	13,500	175
180							24.3	223.6	12,900	180
185							15.9	209.9	12,300	185
188							7.4	195.4	11,900	188

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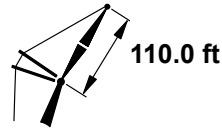
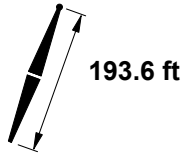
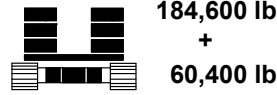
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46	74.9	307.4	49,600 c							46
50	72.8	306.2	48,900 c							50
55	70.0	304.5	48,000 b							55
60	67.2	302.6	47,200 b							60
65	64.3	300.3	46,300							65
67	63.2	299.3	46,000	70.8	303.7	48,300 b				67
70	61.4	297.8	45,500	69.1	302.6	47,900 b				70
75	58.4	294.9	44,800	66.3	300.6	47,200 b				75
80	55.3	291.6	44,000	63.4	298.2	46,500				80
83	53.4	289.4	43,600	61.7	296.6	45,600	67.5	299.8	46,900 b	83
85	52.1	287.9	43,300	60.5	295.6	45,000	66.3	298.9	46,100 b	85
90	48.7	283.8	41,300	57.5	292.5	42,900	63.5	296.6	43,900	90
95	45.1	279.1	39,500	54.3	289.2	40,900	60.5	293.9	41,800	95
100	41.3	273.8	37,700	51.0	285.3	39,000	57.5	290.9	39,800	100
105	37.2	267.7	36,000	47.6	281.0	37,200	54.3	287.5	37,900	105
108	34.5	263.4	35,100	45.4	278.1	36,200	52.3	285.3	36,900	108
110	32.6	260.5	34,500	44.0	276.2	35,500	51.0	283.7	36,200	110
115	27.4	251.8	33,000	40.1	270.6	33,900	47.6	279.4	34,600	115
120	21.1	240.8	31,600	35.8	264.2	32,400	44.0	274.6	33,000	120
125	11.9	223.9	30,200	31.1	256.7	31,000	40.1	269.0	31,500	125
127		210.2	29,500	28.9	252.9	30,500	38.4	266.5	30,900	127
130				25.6	247.4	29,600	35.8	262.6	30,100	130
132				22.9	242.5	29,100	34.0	259.6	29,600	132
135				18.7	235.1	28,400	31.1	255.1	28,800	135
140				7.0	213.2	27,100	25.6	245.8	27,500	140
145							18.7	233.5	26,300	145
150							7.0	211.7	25,100	150
155										155
156										156
160										160
165										165
167										167
170										170
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MLC200 S-3

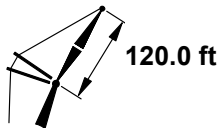
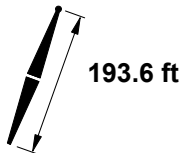
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46										46
50										50
55										55
60										60
65										65
67										67
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
105										105
108	62.5	292.0	35,900							108
110	61.4	290.9	35,100							110
115	58.3	288.0	33,200							115
120	55.2	284.7	31,400							120
125	52.0	281.0	29,800							125
127	50.6	279.4	29,200							127
130	48.6	276.9	28,300							130
132	47.2	275.0	27,800	57.8	282.1	24,000				132
135	45.0	272.2	27,000	55.9	280.2	23,300				135
140	41.2	266.9	25,700	52.7	276.6	22,200				140
145	37.1	260.7	24,500	49.3	272.5	21,100				145
150	32.5	253.5	23,400	45.8	268.0	20,200				150
155	27.3	244.8	22,400	42.1	262.8	19,300				155
156	26.0	242.6	22,200	41.2	261.6	19,100	52.4	269.6	16,100	156
160	21.0	233.7	21,400	38.0	256.8	18,400	49.7	266.3	15,500	160
165	11.7	216.6	20,500	33.5	249.9	17,600	46.2	261.8	14,800	165
167	4.0	202.1	20,100	31.5	246.5	17,300	44.7	259.8	14,500	167
170				28.5	241.6	16,900	42.5	256.7	14,100	170
175				22.4	231.1	16,200	38.4	250.8	13,500	175
180				14.1	215.9	15,400	34.0	244.0	12,900	180
183				4.4	197.4	15,000	31.0	239.1	12,600	183
185							29.1	235.9	12,400	185
190							23.1	225.7	11,800	190
195							15.2	211.3	11,300	195
198							7.1	196.0	11,000	198

MLC200 S-3

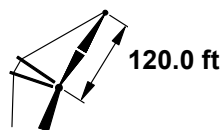
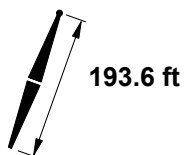
ASME B30.5



	87°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49	74.7	316.9	46,300 c							49
50	74.2	316.6	46,200 c							50
55	71.7	315.1	45,300 b							55
60	69.2	313.3	44,600 b							60
65	66.6	311.3	43,900							65
70	64.0	309.0	43,100	70.9	313.2	45,100 b				70
75	61.3	306.4	42,500	68.4	311.4	44,500				75
80	58.5	303.5	41,800	65.8	309.3	43,900				80
85	55.7	300.3	41,200	63.2	306.9	43,400				85
86	55.1	299.6	41,000	62.6	306.4	43,000	67.9	309.4	44,000	86
90	52.8	296.7	40,200	60.5	304.2	41,600	65.8	307.7	42,400	90
95	49.7	292.7	38,500	57.7	301.2	39,800	63.2	305.3	40,600	95
100	46.5	288.2	36,800	54.8	297.9	38,000	60.5	302.6	38,700	100
105	43.1	283.1	35,300	51.8	294.1	36,300	57.7	299.6	37,000	105
110	39.5	277.5	33,700	48.7	290.0	34,700	54.8	296.3	35,300	110
112	37.9	274.8	33,200	47.4	288.1	34,100	53.6	294.8	34,700	112
115	35.6	270.9	32,400	45.5	285.3	33,200	51.8	292.5	33,700	115
120	31.2	263.4	31,000	42.0	280.1	31,800	48.7	288.4	32,200	120
125	26.3	254.2	29,700	38.3	274.2	30,400	45.5	283.7	30,800	125
130	20.2	242.6	28,500	34.3	267.4	29,100	42.0	278.5	29,500	130
135	11.4	224.9	27,300	29.8	259.4	27,900	38.3	272.6	28,300	135
137	4.5	210.6	26,700	27.7	255.5	27,400	36.7	269.9	27,800	137
140				24.5	249.6	26,700	34.3	265.8	27,100	140
145				17.9	236.7	25,600	29.8	257.8	25,900	145
150				6.7	213.8	24,500	24.5	248.0	24,800	150
155							17.9	235.1	23,700	155
160							6.7	212.3	22,700	160
162										162
165										165
170										170
175										175
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MLC200 S-3

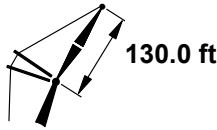
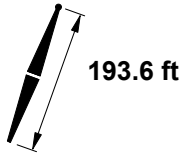
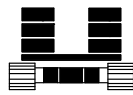
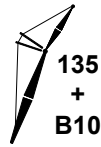
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49										49
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
86										86
90										90
95										95
100										100
105										105
110										110
112	62.9	301.2	33,900							112
115	61.2	299.6	32,800							115
120	58.5	296.7	31,000							120
125	55.6	293.4	29,400							125
130	52.7	289.8	27,900							130
135	49.6	285.8	26,600							135
137	48.3	284.0	26,100	58.0	290.8	22,400				137
140	46.4	281.3	25,300	56.2	288.9	21,800				140
145	43.0	276.2	24,200	53.3	285.3	20,700				145
150	39.4	270.5	23,100	50.3	281.4	19,800				150
155	35.5	264.0	22,100	47.1	277.0	18,900				155
160	31.1	256.4	21,100	43.8	272.1	18,000				160
162	29.1	252.7	20,800	42.3	269.8	17,700	52.4	277.6	14,800	162
165	26.1	247.2	20,200	40.2	266.5	17,300	50.6	275.2	14,400	165
170	20.1	235.5	19,400	36.3	260.2	16,500	47.4	270.8	13,700	170
175	11.2	217.6	18,500	32.1	252.8	15,800	44.1	266.0	13,100	175
177	3.9	202.4	18,200	30.1	249.3	15,500	42.7	263.8	12,900	177
180				27.3	244.0	15,100	40.6	260.5	12,500	180
185				21.5	233.0	14,500	36.7	254.2	12,000	185
190				13.5	217.1	13,900	32.5	247.0	11,500	190
193				4.2	197.8	13,500	29.7	241.8	11,200	193
195							27.8	238.4	11,000	195
200							22.1	227.7	10,500	200
205							14.5	212.6	10,000	205
208							6.8	196.7	9,700	208

MLC200 S-3

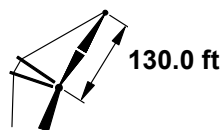
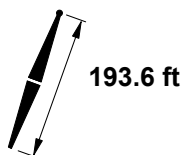
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	74.6	326.5	43,200 b							52
55	73.2	325.6	42,700 b							55
60	70.9	324.0	42,100 b							60
65	68.5	322.1	41,400							65
70	66.1	320.0	40,800							70
74	64.2	318.1	40,300	70.6	322.4	41,900 b				74
75	63.7	317.7	40,200	70.1	322.1	41,800				75
80	61.2	315.1	39,600	67.8	320.2	41,300				80
85	58.7	312.2	39,100	65.4	318.0	40,800				85
90	56.0	309.0	38,500	62.9	315.6	40,300	67.8	318.6	40,900	90
95	53.3	305.4	37,600	60.4	312.9	38,800	65.4	316.4	39,400	95
100	50.5	301.5	36,000	57.9	309.9	37,100	62.9	314.0	37,700	100
105	47.6	297.2	34,600	55.2	306.6	35,600	60.4	311.3	36,100	105
110	44.6	292.4	33,200	52.5	302.9	34,000	57.9	308.3	34,600	110
115	41.3	287.0	31,800	49.6	298.9	32,600	55.2	305.0	33,000	115
117	39.9	284.6	31,300	48.5	297.1	32,100	54.1	303.5	32,500	117
120	37.9	281.0	30,500	46.7	294.4	31,200	52.5	301.3	31,700	120
125	34.1	274.1	29,400	43.6	289.4	30,000	49.7	297.3	30,300	125
130	30.0	266.1	28,200	40.3	283.9	28,700	46.7	292.8	29,000	130
135	25.2	256.5	27,100	36.7	277.6	27,600	43.6	287.8	27,800	135
140	19.4	244.3	26,000	32.9	270.4	26,400	40.3	282.3	26,700	140
143	14.3	233.3	25,400	30.3	265.3	25,800	38.2	278.5	26,000	143
145	11.0	225.9	25,000	28.6	262.0	25,400	36.7	276.0	25,600	145
147	4.4	211.0	24,300	26.6	257.9	25,000	35.2	273.1	25,200	147
150				23.5	251.7	24,400	32.9	268.8	24,500	150
155				17.2	238.3	23,300	28.6	260.4	23,500	155
160				6.4	214.4	22,400	23.6	250.1	22,600	160
165							17.2	236.7	21,600	165
168							10.8	222.4	21,100	168
170							6.5	212.8	20,700	170
175										175
180										180
185										185
187										187
190										190
195										195
200										200
203										203
205										205
210										210
215										215
218										218

MLC200 S-3

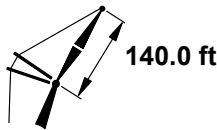
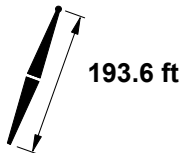
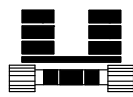
ASME B30.5



	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52										52
55										55
60										60
65										65
70										70
74										74
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
117	62.7	309.8	31,800							117
120	61.2	308.2	30,700							120
125	58.6	305.3	29,100							125
130	56.0	302.1	27,700							130
135	53.3	298.6	26,300							135
140	50.5	294.6	25,100							140
143	48.7	292.0	24,400	57.6	298.8	20,900				143
145	47.6	290.3	23,900	56.5	297.5	20,500				145
147	46.3	288.4	23,500	55.5	296.2	20,100				147
150	44.5	285.5	22,900	53.9	294.1	19,500				150
155	41.3	280.1	21,800	51.1	290.2	18,600				155
160	37.8	274.0	20,900	48.2	286.0	17,800				160
165	34.0	267.1	20,000	45.2	281.3	17,000				165
168	31.5	262.3	19,500	43.2	278.1	16,600	52.5	285.6	13,700	168
170	29.9	259.1	19,200	42.0	276.0	16,300	51.4	284.0	13,500	170
175	25.1	249.5	18,400	38.5	270.1	15,600	48.5	279.8	12,900	175
180	19.3	237.2	17,600	34.9	263.4	14,900	45.5	275.1	12,300	180
185	10.7	218.6	16,900	30.8	255.6	14,300	42.3	269.9	11,800	185
187	3.7	202.7	16,600	28.9	251.9	14,100	40.9	267.6	11,500	187
190				26.2	246.4	13,700	38.9	264.1	11,200	190
195				20.6	234.8	13,200	35.3	257.5	10,800	195
200				13.0	218.3	12,600	31.2	249.9	10,300	200
203				4.0	198.2	12,200	28.5	244.4	10,000	203
205							26.7	240.8	9,800	205
210							21.3	229.6	9,400	210
215							14.0	213.8	8,900	215
218							6.5	197.2	8,600	218

MLC200 S-3

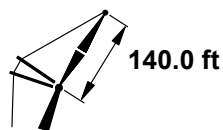
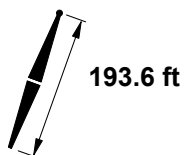
ASME B30.5



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54	74.8	336.3	40,300 b						54	
55	74.4	336.0	40,100 b						55	
60	72.3	334.5	39,500 b						60	
65	70.1	332.8	38,900						65	
70	67.9	330.9	38,300						70	
75	65.7	328.7	37,700						75	
77	64.8	327.8	37,500	70.7	332.0	38,900			77	
80	63.4	326.4	37,300	69.4	330.9	38,600			80	
85	61.1	323.7	36,700	67.2	328.9	38,200			85	
90	58.8	320.8	36,100	65.0	326.7	37,700			90	
94	56.8	318.3	35,200	63.2	324.7	37,400	67.7	327.7	37,800	94
95	56.3	317.7	34,900	62.7	324.2	37,300	67.2	327.3	37,800	95
100	53.8	314.2	33,700	60.4	321.5	35,900	65.0	325.1	36,400	100
105	51.3	310.3	32,600	58.0	318.6	34,500	62.7	322.6	34,900	105
110	48.6	306.1	31,500	55.6	315.3	33,100	60.4	319.9	33,500	110
115	45.8	301.5	30,300	53.0	311.7	31,700	58.0	316.9	32,100	115
120	42.9	296.4	29,300	50.4	307.7	30,400	55.6	313.7	30,800	120
121	42.2	295.2	29,100	49.9	306.9	30,200	55.1	313.0	30,500	121
125	39.8	290.7	28,300	47.7	303.4	29,200	53.0	310.1	29,500	125
130	36.4	284.3	27,300	44.9	298.6	28,000	50.4	306.1	28,300	130
135	32.8	277.1	26,400	41.9	293.3	26,900	47.7	301.8	27,100	135
140	28.9	268.7	25,500	38.8	287.5	25,900	44.9	297.0	26,100	140
145	24.3	258.7	24,500	35.4	280.8	24,800	41.9	291.7	25,000	145
148	20.9	251.1	24,000	33.1	276.3	24,300	40.0	288.2	24,400	148
150	18.7	246.0	23,600	31.7	273.3	23,900	38.8	285.9	24,000	150
155	10.6	226.8	22,700	27.5	264.5	22,900	35.4	279.2	23,000	155
157	4.2	211.4	22,000	25.6	260.2	22,600	33.9	276.2	22,700	157
160				22.7	253.8	22,100	31.7	271.7	22,200	160
165				16.6	239.8	21,200	27.5	262.9	21,300	165
170				6.2	215.0	20,300	22.7	252.2	20,400	170
174							17.8	241.0	19,700	174
175							16.6	238.2	19,500	175
180							6.2	213.4	18,700	180
185										185
190										190
195										195
197										197
200										200
205										205
210										210
213										213
215										215
220										220
225										225
228										228

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ASME B30.5



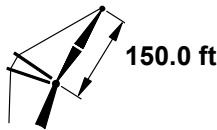
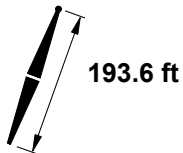
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54										54
55										55
60										60
65										65
70										70
75										75
77										77
80										80
85										85
90										90
94										94
95										95
100										100
105										105
110										110
115										115
120										120
121	62.9	319.0	30,000							121
125	61.1	316.9	28,700							125
130	58.7	314.0	27,300							130
135	56.3	310.8	25,900							135
140	53.8	307.3	24,700							140
145	51.2	303.5	23,600							145
148	49.6	300.9	22,900	57.8	307.5	19,400				148
150	48.5	299.2	22,500	56.8	306.2	19,100				150
155	45.7	294.6	21,500	54.3	302.8	18,200				155
157	44.6	292.5	21,100	53.3	301.3	17,900				157
160	42.8	289.5	20,600	51.7	299.0	17,400				160
165	39.7	283.8	19,700	49.1	294.9	16,600				165
170	36.4	277.4	18,800	46.3	290.4	15,900				170
174	33.5	271.6	18,200	44.0	286.3	15,300	52.5	293.6	12,500	174
175	32.8	270.1	18,100	43.4	285.3	15,200	52.0	292.8	12,400	175
180	28.8	261.7	17,300	40.4	279.8	14,600	49.4	288.7	11,800	180
185	24.2	251.7	16,600	37.1	273.5	14,000	46.6	284.2	11,300	185
190	18.6	238.9	15,900	33.5	266.5	13,400	43.7	279.2	10,700	190
195	10.3	219.5	15,300	29.6	258.3	12,800	40.7	273.7	10,200	195
197	3.6	203.1	15,000	27.9	254.5	12,600	39.4	271.3	10,000	197
200				25.2	248.7	12,300	37.4	267.6	9,700	200
205				19.9	236.6	11,800	33.9	260.6	9,300	205
210				12.5	219.4	11,300	30.1	252.6	8,800	210
213				3.9	198.5	10,900	27.4	246.9	8,600	213
215							25.7	243.2	8,400	215
220							20.5	231.4	8,000	220
225							13.5	215.0	7,600	225
228							6.3	197.8	7,300	228

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ASME B30.5



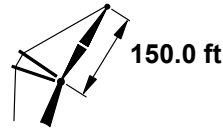
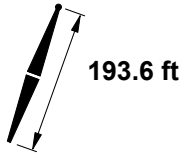
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
57	74.7	345.8	37,400 b						57	
60	73.5	345.0	37,100 b						60	
65	71.5	343.4	36,500						65	
70	69.5	341.6	35,900						70	
75	67.4	339.6	35,500						75	
80	65.3	337.5	35,000	70.9	341.5	36,100			80	
85	63.2	335.0	34,300	68.8	339.7	35,700			85	
90	61.0	332.4	33,200	66.8	337.7	35,300			90	
95	58.8	329.5	32,000	64.7	335.4	34,900			95	
98	57.5	327.6	31,400	63.4	333.9	34,400	67.6	336.9	35,000	98
100	56.6	326.3	30,900	62.5	332.9	34,100	66.8	336.0	34,900	100
105	54.3	322.9	29,800	60.4	330.2	33,000	64.7	333.8	33,800	105
110	51.9	319.1	28,700	58.1	327.2	31,900	62.5	331.3	32,500	110
115	49.4	315.0	27,600	55.9	324.0	30,800	60.4	328.6	31,200	115
120	46.8	310.6	26,500	53.5	320.4	29,700	58.1	325.6	30,100	120
125	44.2	305.6	25,500	51.1	316.6	28,600	55.9	322.4	28,900	125
126	43.6	304.6	25,300	50.6	315.7	28,400	55.4	321.7	28,600	126
130	41.3	300.2	24,500	48.6	312.4	27,500	53.5	318.8	27,700	130
135	38.4	294.2	23,600	46.0	307.7	26,500	51.1	315.0	26,700	135
140	35.2	287.5	22,700	43.3	302.7	25,500	48.6	310.7	25,600	140
145	31.7	280.0	21,800	40.4	297.1	24,500	46.0	306.1	24,600	145
150	27.9	271.2	21,000	37.4	290.9	23,500	43.3	301.1	23,700	150
153	25.2	265.0	20,500	35.4	286.7	23,000	41.6	297.7	23,100	153
155	23.4	260.8	20,200	34.1	284.0	22,700	40.4	295.5	22,700	155
160	18.0	247.6	19,500	30.6	276.1	21,800	37.4	289.3	21,900	160
165	10.2	227.7	19,100	26.6	266.9	21,000	34.1	282.4	21,000	165
167	4.1	211.8	18,900	24.7	262.4	20,700	32.7	279.2	20,700	167
170				21.9	255.8	20,200	30.6	274.5	20,200	170
175				16.0	241.2	19,300	26.6	265.3	19,400	175
180				6.0	215.5	18,600	21.9	254.2	18,600	180
185							16.0	239.6	17,900	185
190							6.0	213.9	17,100	190
195										195
200										200
205										205
207										207
210										210
215										215
220										220
223										223
225										225
230										230
235										235
238										238

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ASME B30.5



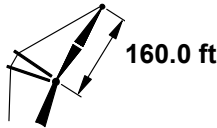
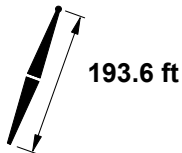
	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft		
57									57	
60									60	
65									65	
70									70	
75									75	
80									80	
85									85	
90									90	
95									95	
98									98	
100									100	
105									105	
110									110	
115									115	
120									120	
125									125	
126	62.7	327.7	28,300						126	
130	61.0	325.6	27,200						130	
135	58.8	322.7	25,800						135	
140	56.5	319.5	24,600						140	
145	54.2	316.0	23,500						145	
150	51.8	312.3	22,400						150	
153	50.3	309.8	21,800	57.9	316.2	18,400			153	
155	49.3	308.2	21,400	57.0	314.9	18,100			155	
160	46.8	303.7	20,500	54.7	311.5	17,300			160	
165	44.1	298.7	19,600	52.3	307.8	16,500			165	
167	43.0	296.6	19,300	51.3	306.2	16,200			167	
170	41.3	293.3	18,800	49.9	303.8	15,800			170	
175	38.3	287.3	18,000	47.3	299.4	15,100			175	
180	35.1	280.6	17,300	44.7	294.5	14,500	52.6	301.6	11,700	180
185	31.6	273.0	16,600	41.9	289.2	13,900	50.1	297.6	11,100	185
190	27.8	264.2	15,900	38.9	283.4	13,300	47.6	293.2	10,600	190
195	23.3	253.8	15,300	35.8	276.8	12,800	45.0	288.4	10,100	195
200	17.9	240.5	14,700	32.4	269.4	12,200	42.2	283.2	9,600	200
205	10.0	220.4	14,100	28.6	260.9	11,700	39.3	277.4	9,100	205
207	3.4	203.4	13,800	26.9	256.9	11,500	38.0	274.8	9,000	207
210				24.3	250.9	11,300	36.1	270.9	8,700	210
215				19.2	238.4	10,800	32.8	263.6	8,300	215
220				12.1	220.5	10,300	29.0	255.2	7,900	220
223				3.7	198.8	10,000	26.5	249.3	7,700	223
225							24.8	245.4	7,500	225
230							19.8	233.2	7,100	230
235							13.0	216.2	6,700	235
238							6.1	198.3	6,500	238

MLC200 S-3

ASME B30.5



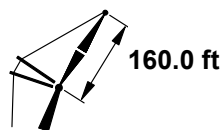
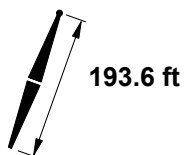
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
59	74.9	355.6	34,200 b						59	
60	74.6	355.4	34,100 b						60	
65	72.7	353.9	33,700						65	
70	70.8	352.3	33,100						70	
75	68.9	350.4	32,600						75	
80	67.0	348.4	32,000						80	
83	65.8	347.1	31,600	71.0	351.1	33,300			83	
85	65.0	346.2	31,300	70.2	350.4	33,200			85	
90	63.0	343.7	30,100	68.3	348.5	32,800			90	
95	61.0	341.1	29,100	66.4	346.4	32,100			95	
100	58.9	338.2	27,900	64.4	344.1	31,000			100	
101	58.5	337.5	27,700	64.0	343.6	30,800	67.9	346.5	31,500	101
105	56.8	335.0	26,900	62.4	341.6	30,000	66.4	344.8	31,300	105
110	54.6	331.6	25,700	60.3	338.9	28,800	64.4	342.5	30,800	110
115	52.4	327.9	24,700	58.3	335.9	27,800	62.4	340.0	29,800	115
120	50.1	323.9	23,600	56.1	332.7	26,700	60.3	337.2	28,800	120
125	47.7	319.6	22,600	53.9	329.2	25,600	58.3	334.3	27,800	125
130	45.3	314.8	21,600	51.7	325.4	24,600	56.1	331.1	26,700	130
135	42.7	309.6	20,700	49.4	321.3	23,500	53.9	327.6	25,700	135
140	40.0	303.9	19,800	47.0	316.8	22,500	51.7	323.8	24,700	140
145	37.1	297.7	18,900	44.5	311.9	21,500	49.4	319.6	23,700	145
150	34.0	290.7	18,000	41.9	306.6	20,600	47.0	315.2	22,700	150
155	30.7	282.8	17,200	39.1	300.7	19,700	44.5	310.3	21,700	155
159	27.7	275.5	16,700	36.7	295.5	19,000	42.4	306.0	20,900	159
160	27.0	273.7	16,500	36.2	294.2	18,800	41.9	305.0	20,700	160
165	22.7	262.9	15,800	33.0	287.0	18,000	39.1	299.1	19,800	165
170	17.5	249.2	15,200	29.6	278.7	17,200	36.2	292.6	18,900	170
175	9.9	228.6	14,400	25.7	269.2	16,500	33.0	285.4	18,100	175
177	3.9	212.1	14,100	23.9	264.6	16,200	31.6	282.1	17,800	177
180				21.2	257.7	15,700	29.6	277.1	17,300	180
185				15.5	242.6	15,200	25.7	267.6	16,500	185
186				13.6	237.3	15,000	24.8	265.3	16,400	186
190				5.8	216.0	14,300	21.2	256.1	15,900	190
195							15.5	241.0	15,200	195
200							5.8	214.4	14,400	200
205										205
210										210
215										215
217										217
220										220
225										225
230										230
233										233
240										240
248										248

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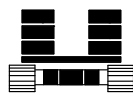
ASME B30.5



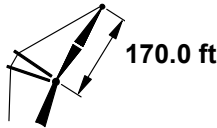
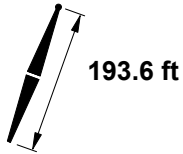
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
59										59
60										60
65										65
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
101										101
105										105
110										110
115										115
120										120
125										125
130	63.0	336.9	26,500							130
135	60.9	334.2	25,500							135
140	58.9	331.3	24,200							140
145	56.8	328.2	23,100							145
150	54.6	324.8	22,000							150
155	52.4	321.0	21,000							155
159	50.5	317.8	20,300	57.6	324.2	17,000				159
160	50.1	317.0	20,100	57.2	323.6	16,900				160
165	47.7	312.7	19,200	55.0	320.2	16,100				165
170	45.2	307.9	18,400	52.8	316.6	15,400				170
175	42.6	302.7	17,700	50.5	312.6	14,700				175
177	41.5	300.4	17,400	49.6	310.9	14,500				177
180	39.9	297.0	16,900	48.2	308.3	14,100				180
185	37.0	290.7	16,200	45.7	303.7	13,500				185
186	36.4	289.3	16,100	45.2	302.7	13,400	52.6	309.6	10,400	186
190	34.0	283.7	15,600	43.2	298.6	12,900	50.8	306.4	10,000	190
195	30.6	275.8	15,000	40.5	293.0	12,400	48.4	302.2	9,500	195
200	26.9	266.7	14,400	37.7	286.8	11,900	46.0	297.5	9,000	200
205	22.6	255.8	13,800	34.6	280.0	11,400	43.5	292.5	8,600	205
210	17.3	242.0	13,300	31.3	272.3	10,900	40.8	287.0	8,200	210
215	9.7	221.2	12,700	27.7	263.4	10,500	38.0	280.9	7,700	215
217	3.3	203.7	12,500	26.0	259.3	10,300	36.8	278.2	7,600	217
220				23.5	253.0	10,000	34.9	274.1	7,400	220
225				18.6	240.0	9,600	31.7	266.5	7,000	225
230				11.7	221.5	9,200	28.1	257.8	6,600	230
233				3.6	199.2	8,900	25.4	250.9	6,400	233
240							19.1	234.9	5,900	240
248							5.9	198.9	5,300	248

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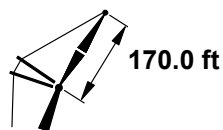
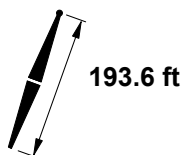
184,600 lb
+
60,400 lb



	87°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
63	74.8	365.2	30,500						63	
65	74.1	364.6	30,400						65	
70	72.3	363.1	29,800						70	
75	70.5	361.5	28,800						75	
80	68.8	359.6	27,700						80	
85	66.9	357.6	26,600						85	
88	65.8	356.2	26,000	70.7	360.3	28,800			88	
90	65.1	355.3	25,600	70.0	359.6	28,300			90	
95	63.2	352.9	24,500	68.2	357.6	27,400			95	
100	61.3	350.3	23,500	66.4	355.6	26,300			100	
105	59.4	347.4	22,500	64.5	353.3	25,300			105	
106	59.0	346.8	22,300	64.1	352.8	25,100	67.8	355.6	26,900	106
110	57.4	344.4	21,500	62.6	350.8	24,300	66.4	353.9	26,100	110
115	55.4	341.0	20,600	60.7	348.1	23,300	64.5	351.7	25,200	115
120	53.3	337.4	19,600	58.8	345.2	22,400	62.6	349.2	24,300	120
125	51.2	333.6	18,800	56.8	342.0	21,400	60.7	346.5	23,300	125
130	49.0	329.4	17,900	54.7	338.6	20,500	58.8	343.6	22,400	130
135	46.7	324.8	17,000	52.6	334.9	19,500	56.8	340.4	21,400	135
136	46.2	323.9	16,800	52.2	334.1	19,300	56.4	339.7	21,200	136
140	44.3	319.9	16,200	50.5	331.0	18,600	54.7	337.0	20,500	140
145	41.9	314.6	15,400	48.3	326.7	17,800	52.6	333.3	19,600	145
150	39.3	308.7	14,700	46.0	322.0	16,900	50.5	329.4	18,700	150
155	36.5	302.3	14,000	43.6	317.0	16,100	48.3	325.1	17,800	155
160	33.6	295.2	13,200	41.1	311.5	15,300	46.0	320.4	17,000	160
165	30.4	287.2	12,400	38.4	305.5	14,600	43.6	315.4	16,200	165
170	26.9	278.0	11,500	35.6	298.9	13,900	41.1	309.9	15,400	170
175	22.9	267.3	10,800	32.6	291.5	13,100	38.4	303.9	14,700	175
180	18.1	253.9	10,100	29.4	283.1	12,200	35.6	297.2	13,900	180
185	11.4	234.9	9,400	25.7	273.6	11,400	32.6	289.9	13,100	185
188	3.8	212.5	9,000	23.2	266.7	10,900	30.7	284.9	12,600	188
190				21.5	262.1	10,600	29.4	281.5	12,300	190
193				18.4	253.3	10,200	27.2	275.8	11,800	193
195				16.3	247.5	9,900	25.7	272.0	11,500	195
200				8.4	224.6	9,300	21.5	260.5	10,700	200
201				5.6	216.5	9,200	20.5	257.6	10,500	201
205							16.3	245.9	10,000	205
210							8.4	223.1	9,300	210
211							5.7	215.0	9,200	211
215										215
220										220
228										228
230										230
240										240
244										244
250										250

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	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
63										63
65										65
70										70
75										75
80										80
85										85
88										88
90										90
95										95
100										100
105										105
106										106
110										110
115										115
120										120
125										125
130										130
135										135
136	62.8	345.6	24,000							136
140	61.3	343.4	23,200							140
145	59.3	340.6	22,400							145
150	57.3	337.5	21,600							150
155	55.3	334.2	20,700							155
160	53.2	330.6	19,800							160
165	51.1	326.7	19,000	57.8	332.9	15,900				165
170	48.9	322.5	18,200	55.8	329.6	15,200				170
175	46.6	318.0	17,300	53.7	326.1	14,500				175
180	44.3	313.0	16,500	51.6	322.3	13,900				180
185	41.8	307.7	15,700	49.4	318.1	13,300				185
188	40.2	304.2	15,300	48.0	315.4	12,900				188
190	39.2	301.8	15,000	47.1	313.7	12,700				190
193	37.6	298.0	14,500	45.7	310.8	12,400	52.6	317.6	9,300	193
195	36.5	295.4	14,200	44.8	308.8	12,200	51.8	316.0	9,100	195
200	33.5	288.2	13,500	42.3	303.6	11,700	49.6	311.9	8,700	200
201	32.9	286.6	13,300	41.8	302.4	11,600	49.2	311.0	8,600	201
205	30.3	280.2	12,700	39.8	297.8	11,200	47.4	307.5	8,200	205
210	26.8	271.0	11,800	37.1	291.5	10,700	45.0	302.7	7,800	210
211	26.0	268.9	11,600	36.5	290.1	10,600	44.5	301.7	7,700	211
215	22.8	260.2	11,000	34.2	284.5	10,300	42.6	297.5	7,400	215
220	18.0	246.7	10,200	31.0	276.7	9,900	40.0	291.8	7,000	220
228	3.2	204.0	9,200	25.1	261.2	9,200	35.6	281.3	6,400	228
230				23.7	257.4	9,100	34.5	278.7	6,300	230
240				12.9	227.2	8,300	28.0	262.2	5,600	240
244				3.5	199.5	7,900	24.6	253.1	5,400	244
250							19.6	239.5	5,000	250