

Liftcrane Luffing Jib Capacities

Luffing Jib No. 135 on
 Boom No. B10:82A
 219,600 lb Crane Counterweight
 80,000 lb Carbody Counterweight
 360 Degree Rating

MLC250 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. 80137888**, Luffing Jib Rigging **No. 80138074**, Wire Rope Specification chart **No. 9935-A**, Counterweight Arrangements chart **No. 9893-A**, Luffing Jib Raising Procedure chart **No. 9937-A**, and Wind Conditions chart **No. 9936-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9938-A**.



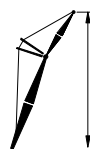
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



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 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, boom support straps, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays.

Explanation of Symbols



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



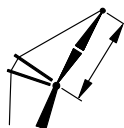
Crane Counterweight
+
Carbody Counterweight



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)

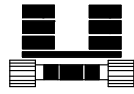
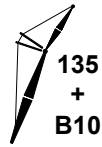


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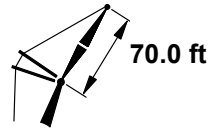
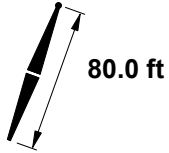
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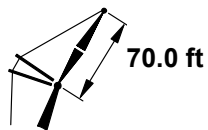
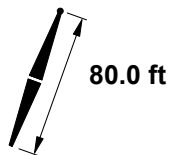
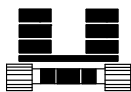
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
27	76.0	156.0	117,100 d							27
30	73.4	155.2	117,000 d							30
35	69.1	153.5	113,700 c							35
40	64.7	151.3	107,700 c	70.8	153.4	117,400 c				40
45	60.0	148.7	102,400 c	66.4	151.5	111,300 c				45
48	57.1	146.8	99,600 c	63.7	150.0	108,000 c	67.4	151.2	112,800 c	48
50	55.2	145.5	97,800 b	61.9	149.0	105,800 b	65.6	150.3	110,500 c	50
55	50.0	141.7	93,700 b	57.1	146.1	101,000 b	61.0	147.8	105,300 b	55
60	44.5	137.1	86,400 b	52.1	142.5	96,700	56.3	144.8	100,700 b	60
65	38.3	131.4	77,300	46.7	138.3	90,700	51.2	141.1	96,600	65
70	31.1	124.2	69,600	40.8	133.0	80,800	45.7	136.7	88,900	70
72	27.4	120.2	66,000	38.1	130.4	77,600	43.3	134.5	85,100	72
75	21.9	114.1	60,700	34.0	126.5	72,700	39.7	131.3	79,400	75
80	2.0	90.4	41,600	25.8	117.8	65,700	32.7	124.4	71,500	80
83				18.5	109.4	59,200	27.6	118.9	67,400	83
85				13.7	103.9	54,800	24.1	115.2	64,700	85
86				9.6	99.0	50,900	21.3	111.9	62,500	86
90							10.2	99.0	53,500	90
91							3.2	90.5	47,500	91
94										94
95										95
97										97
100										100
104										104
105										105
110										110
115										115
116										116

MLC250 S-3

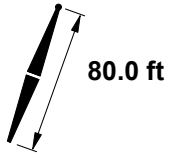
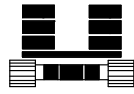
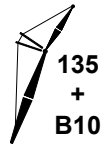
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	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
27													27
30													30
35													35
40													40
45													45
48													48
50													50
55													55
60	62.7	147.1	107,000 b										60
65	58.0	144.2	100,600 b										65
70	53.0	140.8	93,500										70
72	50.9	139.1	90,900	57.6	141.7	88,900 b							72
75	47.7	136.6	87,100	54.6	139.7	84,600 b							75
80	41.9	131.6	80,500	49.4	135.8	78,200							80
83	37.9	127.8	76,800	46.1	132.9	74,900	53.0	135.6	72,600				83
85	35.3	125.3	74,300	43.8	131.0	72,600	50.9	134.1	70,500				85
86	33.7	123.7	72,900	42.5	129.9	71,600	49.8	133.2	69,600				86
90	27.5	117.1	67,200	37.5	125.2	67,700	45.4	129.6	65,800				90
91	25.3	114.7	65,900	36.0	123.7	66,900	44.2	128.5	65,000				91
94	18.7	107.2	62,200	31.6	119.3	64,300	40.5	125.2	62,400	47.8	128.2	60,600	94
95	16.5	104.7	60,900	30.2	117.8	63,400	39.3	124.1	61,600	46.7	127.2	59,800	95
97	9.1	95.9	56,100	26.3	113.5	61,800	36.5	121.3	60,100	44.3	125.1	58,400	97
100				20.6	107.2	59,500	32.3	117.2	57,800	40.7	122.0	56,200	100
104				6.7	90.7	56,600	25.3	109.6	55,100	35.3	116.8	53,600	104
105							23.6	107.8	54,500	34.0	115.5	52,900	105
110							8.9	90.6	51,300	25.8	106.7	50,000	110
115										13.6	92.7	47,200	115
116										9.4	87.8	46,700	116

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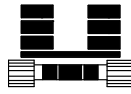
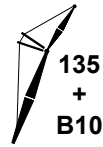
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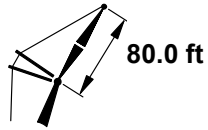
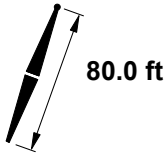
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	75.6	165.5	106,900 d						30	
35	71.8	164.1	105,300 c						35	
40	68.0	162.2	99,700 c						40	
43	65.7	160.9	96,700 c	71.0	163.0	105,100 c			43	
45	64.1	160.0	94,800 b	69.5	162.3	102,900 c			45	
50	60.0	157.4	90,200 b	65.6	160.2	97,900 b			50	
52	58.3	156.1	88,600 b	64.0	159.2	96,100 b	67.3	160.4	100,100 b	52
55	55.8	154.2	86,200 b	61.6	157.7	93,300 b	64.9	159.0	97,300 b	55
60	51.4	150.5	82,600	57.5	154.8	89,200	60.9	156.5	92,900 b	60
65	46.6	146.2	77,600	53.1	151.3	85,400	56.7	153.5	88,900	65
70	41.5	141.0	70,100	48.5	147.2	81,100	52.3	149.9	85,200	70
75	35.7	134.8	63,700	43.5	142.4	73,000	47.7	145.7	79,700	75
77	33.0	131.6	61,500	41.3	140.1	70,300	45.6	143.7	76,600	77
80	29.0	126.9	58,200	38.0	136.6	66,200	42.6	140.7	71,800	80
85	20.5	116.0	51,300	31.8	129.4	60,400	37.0	134.7	65,200	85
89	5.6	95.7	39,100	25.6	121.9	56,300	31.8	128.7	60,700	89
90	1.8	90.6	36,000	24.1	120.0	55,300	30.6	127.2	59,500	90
95				12.8	105.0	47,000	22.5	117.2	54,500	95
96				9.0	99.8	43,800	19.9	113.8	52,900	96
100							9.6	99.8	46,100	100
101							3.0	90.7	41,200	101
105										105
107										107
110										110
114										114
115										115
120										120
125										125
126										126

MLC250 S-3

ASME B30.5



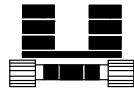
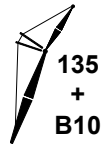
219,600 lb
+
80,000 lb



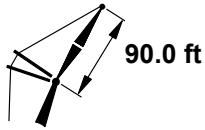
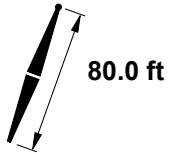
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
35													35
40													40
43													43
45													45
50													50
52													52
55													55
60													60
65	62.4	155.7	94,300 b										65
70	58.2	152.9	90,400										70
75	53.9	149.5	86,800										75
77	52.1	147.9	84,200	57.9	150.4	81,600							77
80	49.3	145.6	80,200	55.3	148.4	77,900							80
85	44.4	140.9	74,500	50.8	144.6	72,300							85
89	40.1	136.4	69,000	47.0	141.1	68,400	53.0	143.6	66,400				89
90	39.1	135.3	67,600	46.1	140.2	67,500	52.1	142.9	65,500				90
95	33.0	128.4	61,600	40.8	134.9	63,200	47.4	138.6	61,300				95
96	31.5	126.6	60,600	39.7	133.6	62,400	46.4	137.6	60,600				96
100	25.6	119.5	56,400	35.0	128.5	59,300	42.3	133.6	57,600				100
101	23.6	116.8	55,500	33.6	126.9	58,600	41.2	132.4	56,900	47.5	135.3	55,200	101
105	15.4	106.1	51,700	28.2	120.4	55,900	36.7	127.5	54,200	43.5	131.4	52,600	105
107	8.5	96.7	48,400	24.6	115.8	54,600	34.1	124.5	53,000	41.3	129.1	51,500	107
110				19.3	109.0	52,700	30.2	120.0	51,200	38.0	125.6	49,700	110
114				6.3	91.3	49,500	23.7	111.8	49,000	33.0	119.8	47,600	114
115							22.0	109.8	48,400	31.7	118.4	47,100	115
120							8.4	91.4	45,800	24.1	109.0	44,600	120
125										12.7	93.9	42,300	125
126										8.8	88.6	41,900	126

MLC250 S-3

ASME B30.5



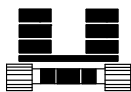
219,600 lb
+
80,000 lb



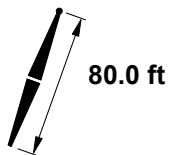
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	75.9	175.3	96,500 d							32
35	73.9	174.5	94,800 c							35
40	70.6	172.9	90,000 c							40
45	67.1	171.0	85,500 b							45
47	65.7	170.1	83,900 b	70.5	172.2	90,800 b				47
50	63.6	168.7	81,500 b	68.5	171.0	88,300 b				50
55	60.0	166.0	77,800 b	65.0	168.9	84,200 b	67.9	170.0	87,500 b	55
60	56.3	162.9	74,400	61.5	166.4	80,400	64.4	167.7	83,700 b	60
65	52.4	159.3	71,300	57.8	163.4	76,900	60.8	165.2	80,100	65
69	49.0	156.0	69,100	54.7	160.7	74,400	57.8	162.7	77,400	69
70	48.2	155.2	68,500	53.9	160.0	73,800	57.1	162.1	76,800	70
75	43.8	150.4	64,000	49.9	156.1	70,800	53.2	158.7	73,700	75
80	39.0	144.7	58,500	45.6	151.6	66,500	49.1	154.6	70,800	80
83	35.8	140.6	55,700	42.8	148.4	63,000	46.5	151.8	67,600	83
85	33.6	137.9	53,800	40.9	146.3	60,700	44.8	150.0	65,500	85
90	27.3	129.4	49,700	35.8	139.9	55,700	40.1	144.5	59,900	90
95	19.3	117.8	44,200	29.9	132.2	51,400	34.8	138.0	55,000	95
100	1.7	90.8	31,600	22.7	122.1	47,500	28.8	129.9	50,700	100
105				12.1	106.1	40,800	21.2	119.2	46,900	105
106				8.5	100.6	38,200	18.8	115.5	45,600	106
108							13.9	108.1	42,900	108
110							9.0	100.7	40,200	110
111							2.8	91.0	36,100	111
115										115
117										117
120										120
124										124
125										125
130										130
135										135
136										136

MLC250 S-3

ASME B30.5



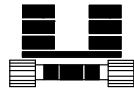
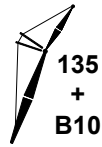
219,600 lb
+
80,000 lb



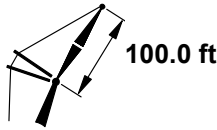
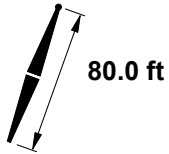
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
35													35
40													40
45													45
47													47
50													50
55													55
60													60
65													65
69	62.8	164.9	81,800										69
70	62.1	164.4	81,200										70
75	58.4	161.6	78,000										75
80	54.6	158.3	75,100										80
83	52.2	156.0	73,400	57.4	158.4	74,300							83
85	50.6	154.4	72,300	55.9	157.1	72,100							85
90	46.4	150.0	67,800	51.9	153.4	67,300							90
95	41.8	144.8	61,900	47.7	149.2	63,000	53.0	151.6	61,100				95
100	36.7	138.7	56,800	43.3	144.3	59,200	48.9	147.6	57,400				100
105	31.0	131.3	52,300	38.4	138.5	55,800	44.5	142.9	54,100				105
106	29.7	129.4	51,500	37.3	137.1	55,200	43.6	141.8	53,500				106
108	26.9	125.5	49,900	35.1	134.3	53,900	41.7	139.5	52,300	47.3	142.5	50,700	108
110	24.2	121.7	48,300	33.0	131.5	52,700	39.8	137.3	51,100	45.5	140.6	49,600	110
111	22.2	118.9	47,600	31.7	129.8	52,100	38.7	136.0	50,600	44.6	139.5	49,000	111
115	14.5	107.5	44,700	26.5	122.8	49,700	34.5	130.7	48,400	40.9	135.2	46,900	115
117	8.0	97.4	42,400	23.2	117.9	48,200	32.1	127.5	47,400	38.8	132.7	46,000	117
120				18.2	110.6	45,900	28.4	122.6	45,900	35.7	128.9	44,500	120
124				5.9	91.8	43,000	22.3	113.8	44,000	31.0	122.7	42,700	124
125							20.8	111.7	43,600	29.9	121.2	42,300	125
130							7.9	92.1	41,400	22.7	111.0	40,200	130
135										11.9	95.0	38,300	135
136										8.3	89.4	37,900	136

MLC250 S-3

ASME B30.5



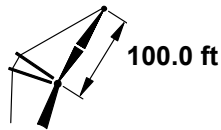
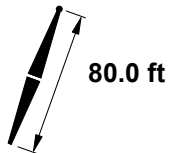
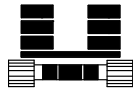
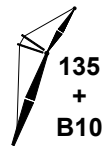
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.6	184.9	86,500 c						35	
40	72.6	183.5	82,100 c						40	
45	69.5	181.7	78,000 b						45	
50	66.5	179.7	74,200 b	70.7	181.7	80,200 b			50	
55	63.3	177.4	70,600 b	67.7	179.8	76,500 b			55	
59	60.7	175.2	68,000 b	65.1	178.0	73,600 b	67.7	179.1	76,600 b	
60	60.0	174.7	67,400	64.5	177.6	72,900	67.1	178.7	75,900	
65	56.7	171.6	64,400	61.3	175.0	69,600	64.0	176.4	72,500	
70	53.2	168.1	61,600	58.0	172.1	66,500	60.7	173.8	69,300	
74	50.2	164.9	59,500	55.2	169.4	64,200	58.1	171.4	66,900	
75	49.5	164.1	59,000	54.5	168.8	63,600	57.4	170.8	66,300	
80	45.6	159.5	56,700	50.9	165.0	61,000	53.9	167.4	63,500	
85	41.4	154.2	54,400	47.1	160.6	58,500	50.3	163.5	60,900	
88	38.7	150.6	51,900	44.7	157.6	57,100	48.0	160.8	59,400	
90	36.9	148.1	50,200	43.1	155.6	56,200	46.5	159.1	58,500	
95	31.8	140.8	46,500	38.7	149.9	51,900	42.4	154.0	55,500	
100	25.9	131.7	43,200	33.9	143.1	48,000	37.9	148.0	51,300	
101	24.4	129.3	42,300	32.8	141.4	47,300	36.9	146.6	50,500	
105	18.3	119.4	38,600	28.3	134.8	44,600	33.0	141.0	47,500	
110	1.6	90.9	27,900	21.5	124.0	41,400	27.3	132.4	44,100	
114				13.5	110.5	37,100	21.6	123.3	41,600	
115				11.4	107.1	36,000	20.1	121.0	41,000	
116				8.0	101.3	33,700	17.8	117.1	39,900	
120							8.5	101.4	35,500	
121							2.7	91.2	32,000	
125									125	
127									127	
130									130	
134									134	
135									135	
140									140	
145									145	
146									146	

MLC250 S-3

ASME B30.5



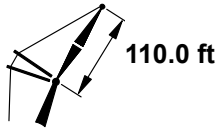
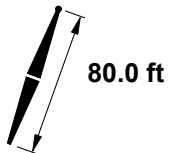
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
55													55
59													59
60													60
65													65
70													70
74	62.5	173.6	70,800										74
75	61.9	173.1	70,200										75
80	58.6	170.2	67,400										80
85	55.2	167.0	64,700										85
88	53.0	164.7	63,100	57.6	167.1	66,100							88
90	51.6	163.2	62,100	56.3	165.8	65,100							90
95	47.8	159.0	59,700	52.8	162.2	62,700							95
100	43.9	154.2	57,300	49.1	158.1	58,900							100
101	43.0	153.0	56,400	48.3	157.2	58,200	53.0	159.6	56,400				101
105	39.5	148.5	52,800	45.2	153.5	55,500	50.1	156.5	53,800				105
110	34.8	141.9	48,900	41.0	148.1	52,400	46.3	152.0	50,800				110
114	30.5	135.6	46,000	37.3	143.1	50,200	43.0	147.9	48,600	47.9	150.5	47,100	114
115	29.4	134.0	45,300	36.4	141.9	49,600	42.1	146.8	48,100	47.1	149.6	46,600	115
116	28.1	131.9	44,700	35.3	140.4	49,000	41.2	145.6	47,600	46.3	148.6	46,100	116
120	22.9	123.8	42,100	31.2	134.4	46,500	37.7	140.9	45,600	43.1	144.6	44,200	120
121	21.1	120.8	41,500	30.0	132.5	45,900	36.7	139.4	45,200	42.2	143.5	43,700	121
125	13.8	108.7	39,200	25.1	125.1	43,200	32.7	133.8	43,300	38.7	138.9	42,000	125
127	7.6	98.1	37,500	22.0	119.9	42,000	30.4	130.3	42,500	36.8	136.1	41,200	127
130				17.2	112.2	40,200	26.9	125.0	41,300	33.9	132.0	40,000	130
134				5.6	92.3	37,700	21.1	115.8	39,700	29.4	125.4	38,500	134
135							19.7	113.4	39,300	28.3	123.7	38,100	135
140							7.5	92.7	37,500	21.5	113.0	36,400	140
145										11.3	96.0	34,700	145
146										7.9	90.1	34,400	146

MLC250 S-3

ASME B30.5



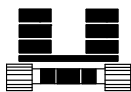
219,600 lb
+
80,000 lb



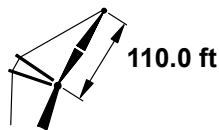
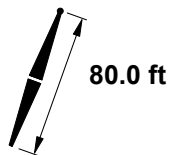
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.8	194.7	78,500 c							37
40	74.2	193.9	76,500 c							40
45	71.5	192.4	73,300 b							45
50	68.7	190.5	70,200 b							50
53	67.0	189.3	68,500 b	70.9	191.3	73,200 b				53
55	65.9	188.5	67,300 b	69.8	190.5	72,000 b				55
60	63.0	186.1	64,600	67.0	188.6	69,200				60
63	61.2	184.4	63,100	65.3	187.2	67,600	67.6	188.3	69,700	63
65	60.0	183.3	62,000	64.1	186.3	66,600	66.5	187.4	68,800	65
70	57.0	180.3	59,500	61.2	183.7	63,900	63.6	185.1	66,200	70
75	53.8	176.8	57,000	58.2	180.8	61,300	60.7	182.5	63,600	75
78	51.8	174.5	55,700	56.3	178.8	59,800	58.8	180.7	62,100	78
80	50.5	172.9	54,800	55.1	177.5	58,700	57.6	179.5	61,000	80
85	47.0	168.6	52,700	51.8	173.8	56,400	54.5	176.1	58,600	85
90	43.4	163.6	50,300	48.4	169.6	54,200	51.2	172.3	56,300	90
93	41.0	160.2	48,100	46.3	166.7	52,900	49.2	169.8	55,000	93
95	39.4	157.9	46,700	44.8	164.9	52,000	47.8	168.1	54,100	95
100	35.1	151.4	43,400	41.0	159.5	48,200	44.2	163.2	51,300	100
105	30.3	143.6	40,500	36.9	153.3	44,800	40.3	157.7	47,600	105
107	28.1	139.7	39,400	35.0	150.4	43,500	38.6	155.2	46,300	107
110	24.7	134.0	37,800	32.3	146.0	41,700	36.1	151.4	44,300	110
115	17.4	121.0	32,000	27.0	137.2	39,000	31.4	143.9	41,300	115
120	1.6	91.0	23,200	20.5	125.9	36,400	26.0	134.8	38,600	120
121				18.6	122.3	35,100	24.6	132.3	38,100	121
125				10.9	108.1	30,000	19.2	122.7	36,100	125
126				7.7	102.0	28,200	17.0	118.6	34,800	126
130							8.1	102.2	29,700	130
131							2.5	91.4	26,800	131
135										135
137										137
140										140
144										144
145										145
150										150
155										155
156										156

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ASME B30.5



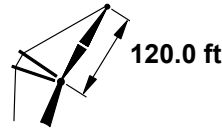
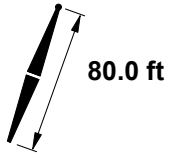
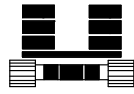
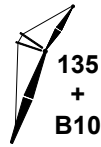
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
40													40
45													45
50													50
53													53
55													55
60													60
63													63
65													65
70													70
75													75
78	62.9	182.8	65,100										78
80	61.7	181.7	64,200										80
85	58.7	178.9	61,800										85
90	55.6	175.7	59,500										90
93	53.7	173.5	58,100	57.9	175.7	60,500							93
95	52.4	172.0	57,200	56.6	174.4	59,700							95
100	49.0	167.9	55,100	53.4	170.9	57,600							100
105	45.5	163.3	52,900	50.1	167.0	55,500							105
107	44.0	161.2	51,300	48.7	165.2	54,200	53.0	167.6	52,500				107
110	41.7	158.1	49,000	46.6	162.6	52,400	51.1	165.3	50,800				110
115	37.6	152.0	45,500	42.9	157.5	49,600	47.6	161.0	48,100				115
120	33.1	145.0	42,400	39.0	151.8	46,700	44.0	156.1	45,600				120
121	32.1	143.3	41,900	38.1	150.4	46,000	43.2	155.0	45,200	47.7	157.7	43,700	121
125	28.0	136.5	39,600	34.6	145.1	43,500	40.1	150.6	43,400	44.8	153.9	42,000	125
126	26.8	134.4	39,100	33.6	143.5	42,900	39.2	149.3	42,900	44.0	152.8	41,600	126
130	21.8	125.8	37,000	29.7	137.1	40,600	35.9	144.2	41,300	41.0	148.5	40,000	130
131	20.1	122.6	36,500	28.6	135.2	40,000	34.9	142.7	40,900	40.1	147.2	39,600	131
135	13.1	109.9	34,600	24.0	127.3	37,900	31.1	136.6	39,400	36.8	142.3	38,100	135
137	7.3	98.8	31,500	20.9	121.8	36,900	28.9	132.9	38,700	35.0	139.4	37,500	137
140				16.4	113.7	35,500	25.7	127.4	37,600	32.2	135.0	36,400	140
144				5.3	92.8	32,700	20.1	117.6	36,300	28.0	128.0	35,200	144
145							18.8	115.1	36,000	27.0	126.2	34,800	145
150							7.1	93.4	33,700	20.5	114.8	33,300	150
155										10.8	97.0	31,900	155
156										7.5	90.8	31,600	156

MLC250 S-3

ASME B30.5



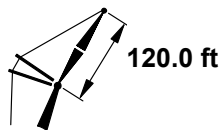
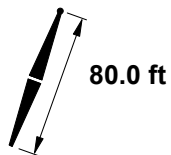
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	76.0	204.5	71,700 c							39
40	75.5	204.3	71,100 c							40
45	73.1	202.9	68,000 b							45
50	70.6	201.2	65,000 b							50
55	68.0	199.3	62,200 b							55
56	67.5	198.9	61,700 b	71.0	200.8	66,000				56
60	65.4	197.2	59,600	69.0	199.3	63,800				60
65	62.7	194.7	57,100	66.4	197.3	61,200				65
66	62.2	194.2	56,700	65.9	196.8	60,700	68.0	197.9	62,700	66
70	60.0	192.0	54,800	63.8	195.0	58,800	66.0	196.2	60,800	70
75	57.2	189.0	52,500	61.1	192.4	56,400	63.3	193.8	58,400	75
80	54.3	185.6	50,400	58.3	189.4	54,200	60.6	191.1	56,200	80
83	52.5	183.3	49,200	56.6	187.5	52,800	58.9	189.3	54,800	83
85	51.3	181.8	48,400	55.5	186.2	51,900	57.8	188.2	54,000	85
90	48.2	177.5	46,400	52.5	182.5	49,800	55.0	184.8	51,800	90
95	44.9	172.8	44,600	49.5	178.5	47,700	52.0	181.1	49,600	95
98	42.8	169.6	43,500	47.5	175.8	46,600	50.1	178.7	48,400	98
100	41.4	167.5	42,800	46.2	174.0	45,800	48.9	177.0	47,600	100
105	37.7	161.4	40,500	42.8	168.9	44,000	45.6	172.4	45,700	105
110	33.6	154.5	37,900	39.2	163.1	41,700	42.2	167.2	43,900	110
113	30.8	149.5	36,400	36.8	159.2	40,000	40.0	163.7	42,300	113
115	29.0	146.2	35,500	35.2	156.5	39,000	38.5	161.3	41,200	115
120	23.6	136.1	33,300	30.9	148.9	36,500	34.5	154.6	38,600	120
125	16.7	122.5	28,200	25.8	139.6	34,200	30.0	146.6	36,100	125
128	7.6	103.7	23,600	22.1	132.4	33,000	26.9	140.9	34,800	128
130	1.5	91.2	20,500	19.6	127.7	32,100	24.9	137.0	33,900	130
135				10.4	109.0	26,600	18.4	124.4	31,800	135
136				7.3	102.6	25,000	16.2	120.1	30,700	136
140							7.8	102.8	26,400	140
141							2.4	91.7	23,900	141
145										145
147										147
150										150
154										154
155										155
160										160
165										165
166										166

MLC250 S-3

ASME B30.5



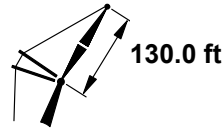
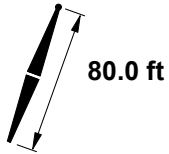
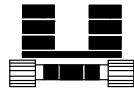
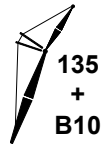
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	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
66													66
70													70
75													75
80													80
83	62.7	191.5	57,400										83
85	61.6	190.4	56,600										85
90	58.8	187.5	54,500										90
95	56.0	184.4	52,500										95
98	54.2	182.2	51,300	58.0	184.4	53,300							98
100	53.1	180.8	50,500	56.9	183.1	52,500							100
105	50.0	176.8	48,400	54.0	179.7	50,800							105
110	46.8	172.4	46,500	51.0	175.8	48,900							110
113	44.8	169.4	45,500	49.1	173.3	47,800	53.0	175.6	48,800				113
115	43.5	167.4	44,700	47.9	171.6	47,000	51.8	174.1	47,700				115
120	39.9	161.8	42,300	44.5	166.8	45,300	48.7	169.9	45,300				120
125	36.0	155.4	39,600	41.0	161.4	43,400	45.5	165.3	43,000				125
128	33.4	150.9	38,100	38.8	157.7	41,700	43.4	162.1	41,800	47.5	164.8	40,400	128
130	31.7	147.9	37,100	37.3	155.2	40,500	42.0	160.1	41,000	46.2	163.0	39,700	130
135	26.8	139.0	34,800	33.1	148.1	37,900	38.3	154.1	39,100	42.8	157.9	37,800	135
136	25.6	136.7	34,300	32.2	146.4	37,500	37.5	152.8	38,700	42.1	156.7	37,500	136
140	20.9	127.6	32,600	28.4	139.7	35,600	34.3	147.3	37,300	39.2	152.1	36,100	140
141	19.2	124.3	32,200	27.3	137.7	35,100	33.4	145.7	37,000	38.4	150.8	35,800	141
145	12.6	111.0	30,600	22.9	129.3	33,400	29.8	139.3	35,700	35.2	145.5	34,500	145
147	6.9	99.4	28,000	20.0	123.6	32,600	27.7	135.4	35,000	33.4	142.4	34,000	147
150				15.7	115.1	31,300	24.6	129.6	34,000	30.8	137.8	33,100	150
154				5.1	93.3	29,200	19.3	119.3	32,400	26.8	130.4	32,000	154
155							18.0	116.7	32,000	25.8	128.5	31,700	155
160							6.8	94.0	29,900	19.6	116.6	30,400	160
165										10.3	97.9	29,100	165
166										7.2	91.4	28,900	166

MLC250 S-3

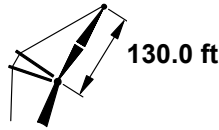
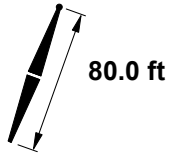
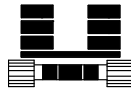
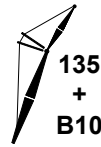
ASME B30.5



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42	75.8	214.1	53,600 b							42
45	74.4	213.3	52,800 b							45
50	72.1	211.8	51,700 b							50
55	69.8	210.0	50,600							55
60	67.4	208.1	49,500	70.7	210.0	51,600				60
65	65.0	205.9	48,500	68.3	208.1	50,700				65
70	62.5	203.4	47,100	65.9	206.0	49,800	67.9	207.0	50,400	70
75	60.0	200.7	45,200	63.5	203.7	48,300	65.5	204.9	49,700	75
80	57.4	197.6	43,300	61.0	201.0	46,300	63.1	202.5	47,900	80
85	54.8	194.3	41,500	58.5	198.1	44,400	60.6	199.8	46,100	85
87	53.7	192.8	40,900	57.4	196.8	43,700	59.5	198.6	45,300	87
90	52.0	190.6	39,900	55.8	194.9	42,700	58.0	196.8	44,200	90
95	49.2	186.5	38,300	53.1	191.3	41,000	55.4	193.5	42,500	95
100	46.2	181.9	36,800	50.3	187.4	39,300	52.6	189.9	40,800	100
104	43.7	177.9	35,700	48.0	183.9	38,100	50.4	186.7	39,600	104
105	43.1	176.8	35,400	47.4	183.0	37,800	49.8	185.9	39,200	105
110	39.7	171.2	34,100	44.3	178.1	36,400	46.9	181.4	37,700	110
115	36.2	164.8	32,900	41.1	172.7	35,000	43.8	176.5	36,200	115
120	32.2	157.4	31,700	37.6	166.6	33,700	40.5	171.0	34,900	120
125	27.8	148.8	30,700	33.8	159.7	32,500	37.0	164.7	33,700	125
130	22.7	138.2	29,700	29.6	151.6	31,400	33.1	157.6	32,400	130
134	17.3	126.8	26,100	25.8	143.8	30,600	29.7	150.9	31,600	134
135	16.0	123.9	25,200	24.8	141.8	30,400	28.8	149.3	31,400	135
140	1.4	91.3	18,400	18.9	129.3	28,800	23.9	139.2	30,400	140
145				10.0	109.9	23,900	17.6	126.0	28,600	145
146				7.1	103.3	22,400	15.6	121.5	27,600	146
150							7.5	103.5	23,800	150
151							2.3	91.9	21,500	151
155										155
157										157
160										160
164										164
165										165
170										170
175										175
176										176

MLC250 S-3

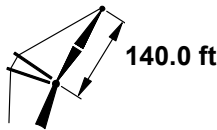
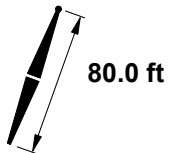
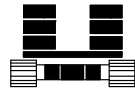
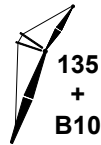
ASME B30.5



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
87	63.0	200.7	47,400										87
90	61.5	199.1	46,300										90
95	58.9	196.2	44,700										95
100	56.3	193.0	43,000										100
104	54.1	190.2	41,700	57.7	192.4	43,300							104
105	53.6	189.5	41,400	57.2	191.8	43,000							105
110	50.8	185.7	39,800	54.5	188.4	41,500							110
115	47.9	181.4	38,300	51.7	184.7	40,100							115
120	44.9	176.6	36,900	48.9	180.5	38,600	52.5	182.9	39,900				120
125	41.7	171.3	35,500	45.9	175.9	37,200	49.7	178.8	38,600				125
130	38.2	165.3	34,200	42.7	170.8	35,900	46.7	174.4	37,400				130
134	35.3	159.9	33,200	40.0	166.2	34,900	44.2	170.4	36,300	48.0	172.9	37,200	134
135	34.5	158.5	33,000	39.4	165.0	34,600	43.6	169.4	36,100	47.4	172.0	37,000	135
140	30.4	150.7	31,900	35.7	158.5	33,500	40.3	163.8	34,900	44.3	167.1	35,900	140
145	25.7	141.3	30,900	31.8	151.0	32,300	36.8	157.5	33,700	41.0	161.7	34,300	145
146	24.6	138.9	30,600	30.9	149.3	32,100	36.0	156.1	33,500	40.3	160.5	34,000	146
150	20.1	129.4	29,300	27.3	142.2	31,300	32.9	150.4	32,600	37.6	155.6	32,900	150
151	18.5	126.0	28,900	26.2	140.0	31,000	32.0	148.7	32,400	36.8	154.2	32,600	151
155	12.1	112.1	27,500	22.0	131.3	29,900	28.6	141.9	31,600	33.8	148.6	31,500	155
157	6.7	100.0	25,300	19.2	125.4	29,200	26.6	137.9	31,100	32.1	145.4	31,000	157
160				15.1	116.4	28,200	23.6	131.7	30,500	29.6	140.5	30,200	160
164				4.9	93.7	26,400	18.5	121.0	29,100	25.7	132.7	29,300	164
165							17.3	118.3	28,700	24.8	130.8	29,000	165
170							6.6	94.6	26,900	18.8	118.3	27,900	170
175										9.9	98.8	26,800	175
176										6.9	92.0	26,600	176

MLC250 S-3

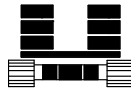
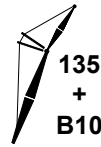
ASME B30.5



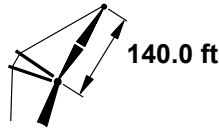
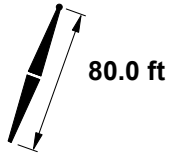
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44	76.0	223.9	49,800 b							44
45	75.5	223.6	49,600 b							45
50	73.4	222.2	48,500 b							50
55	71.3	220.6	47,500							55
60	69.1	218.8	46,600							60
63	67.8	217.6	45,700	70.8	219.5	47,800				63
65	66.9	216.8	45,200	69.9	218.8	47,500				65
70	64.6	214.6	43,300	67.8	216.9	46,200				70
74	62.8	212.6	41,800	66.0	215.2	44,700	67.8	216.2	46,100	74
75	62.4	212.1	41,400	65.5	214.7	44,300	67.4	215.8	45,700	75
80	60.0	209.3	39,600	63.3	212.3	42,500	65.1	213.6	43,900	80
85	57.6	206.3	38,000	60.9	209.7	40,700	62.9	211.2	42,100	85
90	55.2	203.0	36,300	58.6	206.8	39,000	60.5	208.5	40,400	90
92	54.2	201.5	35,700	57.6	205.5	38,300	59.6	207.3	39,800	92
95	52.6	199.3	34,800	56.1	203.6	37,300	58.1	205.5	38,800	95
100	50.0	195.3	33,300	53.6	200.0	35,700	55.7	202.2	37,100	100
105	47.3	190.9	31,900	51.1	196.2	34,200	53.2	198.7	35,600	105
109	45.0	187.1	30,800	48.9	192.8	33,100	51.1	195.5	34,400	109
110	44.4	186.1	30,600	48.4	191.9	32,800	50.6	194.7	34,100	110
115	41.4	180.7	29,300	45.6	187.3	31,400	47.9	190.4	32,700	115
120	38.2	174.7	28,100	42.6	182.1	30,200	45.1	185.7	31,400	120
125	34.8	168.0	27,000	39.5	176.4	28,900	42.1	180.4	30,000	125
126	34.0	166.4	26,800	38.8	175.1	28,700	41.5	179.3	29,800	126
130	31.0	160.2	26,000	36.2	169.9	27,700	38.9	174.6	28,800	130
135	26.8	151.2	25,100	32.5	162.6	26,700	35.6	168.0	27,600	135
140	21.8	140.1	24,200	28.5	154.2	25,700	31.9	160.5	26,600	140
141	20.5	137.2	23,900	27.6	152.1	25,500	31.0	158.8	26,400	141
145	15.4	125.3	22,400	23.9	144.0	24,800	27.8	151.8	25,600	145
150	1.4	91.4	16,300	18.2	131.0	24,000	23.0	141.2	24,700	150
155				9.7	110.8	21,200	17.0	127.5	24,000	155
156				6.8	103.9	20,000	15.0	122.8	23,400	156
160							7.2	104.2	21,200	160
161							2.3	92.1	19,200	161
165										165
167										167
170										170
174										174
175										175
180										180
185										185
186										186

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ASME B30.5



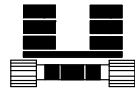
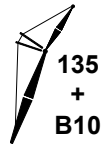
219,600 lb
+
80,000 lb



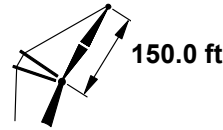
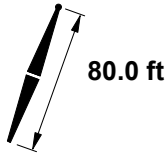
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
55													55
60													60
63													63
65													65
70													70
74													74
75													75
80													80
85													85
90													90
92	62.7	209.3	41,700										92
95	61.4	207.7	40,700										95
100	59.0	204.9	39,100										100
105	56.6	201.7	37,600										105
109	54.6	199.0	36,400	57.8	201.1	37,900							109
110	54.1	198.3	36,100	57.4	200.5	37,600							110
115	51.5	194.5	34,600	54.9	197.1	36,200							115
120	48.9	190.3	33,200	52.4	193.4	34,900							120
125	46.1	185.7	31,900	49.7	189.4	33,500							125
126	45.5	184.7	31,600	49.2	188.5	33,200	52.5	190.9	34,500				126
130	43.2	180.6	30,600	47.0	184.9	32,200	50.5	187.7	33,500				130
135	40.1	175.0	29,300	44.1	180.0	30,900	47.7	183.4	32,300				135
140	36.8	168.7	28,200	41.1	174.6	29,800	44.9	178.6	31,100				140
141	36.1	167.3	27,900	40.4	173.4	29,500	44.3	177.5	30,900	47.8	180.0	31,800	141
145	33.2	161.6	27,100	37.9	168.5	28,600	41.9	173.3	29,900	45.5	176.3	31,000	145
150	29.3	153.3	26,100	34.4	161.7	27,500	38.8	167.4	28,800	42.6	171.1	29,900	150
155	24.8	143.5	25,200	30.6	153.8	26,500	35.4	160.8	27,700	39.5	165.4	28,900	155
156	23.7	141.1	25,000	29.7	152.0	26,300	34.6	159.3	27,500	38.8	164.1	28,700	156
160	19.3	131.2	24,400	26.3	144.6	25,600	31.7	153.2	26,800	36.2	158.9	27,900	160
161	17.8	127.6	24,300	25.3	142.3	25,400	30.8	151.5	26,600	35.4	157.5	27,700	161
165	11.6	113.1	23,800	21.2	133.2	24,700	27.5	144.4	25,800	32.5	151.6	26,900	165
167	6.4	100.5	22,600	18.5	127.0	24,400	25.6	140.2	25,400	30.9	148.2	26,500	167
170				14.5	117.7	24,000	22.7	133.8	24,900	28.5	143.1	25,900	170
174				4.7	94.1	23,700	17.8	122.6	24,400	24.8	135.0	25,200	174
175							16.6	119.8	24,200	23.8	132.9	25,100	175
180							6.3	95.1	23,900	18.1	119.9	24,400	180
185										9.6	99.6	23,900	185
186										6.7	92.6	23,900	186

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ASME B30.5



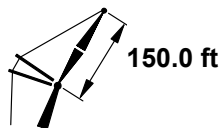
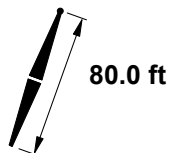
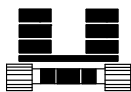
219,600 lb
+
80,000 lb



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	75.7	233.4	46,100 b							47
50	74.6	232.6	45,500 b							50
55	72.6	231.2	44,600							55
60	70.6	229.5	43,600							60
65	68.5	227.6	41,700							65
66	68.1	227.2	41,400	70.9	229.1	44,100				66
70	66.4	225.6	40,000	69.3	227.6	42,600				70
75	64.3	223.3	38,200	67.3	225.6	40,900				75
78	63.1	221.7	37,200	66.0	224.3	39,900	67.7	225.4	41,100	78
80	62.2	220.7	36,500	65.2	223.4	39,200	66.9	224.5	40,400	80
85	60.0	218.0	34,900	63.0	221.0	37,400	64.8	222.3	38,800	85
90	57.8	215.0	33,300	60.9	218.3	35,800	62.7	219.8	37,200	90
95	55.5	211.7	31,800	58.7	215.4	34,300	60.5	217.1	35,600	95
96	55.0	211.0	31,500	58.2	214.8	34,000	60.0	216.5	35,300	96
100	53.2	208.1	30,400	56.4	212.2	32,700	58.3	214.2	34,000	100
105	50.7	204.2	29,100	54.1	208.8	31,300	56.0	210.9	32,500	105
110	48.2	199.9	27,700	51.7	205.0	29,900	53.7	207.4	31,100	110
114	46.1	196.2	26,800	49.7	201.7	28,800	51.7	204.3	30,000	114
115	45.6	195.2	26,600	49.2	200.9	28,500	51.3	203.6	29,700	115
120	42.9	190.1	25,400	46.6	196.3	27,200	48.8	199.4	28,400	120
125	40.0	184.4	24,300	43.9	191.4	26,100	46.2	194.8	27,200	125
130	36.9	178.1	23,200	41.1	185.9	24,900	43.5	189.7	25,900	130
132	35.6	175.3	22,800	39.9	183.5	24,500	42.3	187.5	25,500	132
135	33.6	171.0	22,200	38.1	179.9	23,800	40.6	184.2	24,800	135
140	30.0	163.0	21,300	34.9	173.1	22,800	37.6	178.0	23,700	140
145	25.9	153.5	20,400	31.4	165.5	21,900	34.3	171.1	22,800	145
148	23.0	146.6	20,000	29.1	160.2	21,300	32.2	166.4	22,200	148
150	21.1	142.0	19,700	27.5	156.6	21,000	30.8	163.3	21,800	150
155	14.9	126.6	19,100	23.1	146.1	20,200	26.8	154.2	20,900	155
160	1.3	91.5	14,600	17.6	132.6	19,400	22.2	143.2	20,100	160
165				9.3	111.6	18,900	16.4	128.9	19,400	165
166				6.6	104.5	18,000	14.5	124.1	19,300	166
170							7.0	104.8	19,000	170
171							2.2	92.3	17,300	171
175										175
177										177
180										180
184										184
185										185
190										190
195										195
196										196

MLC250 S-3

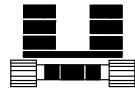
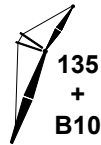
ASME B30.5



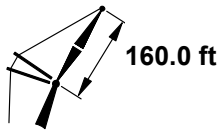
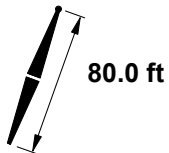
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
60													60
65													65
66													66
70													70
75													75
78													78
80													80
85													85
90													90
95													95
96	63.0	218.5	37,000										96
100	61.3	216.4	35,800										100
105	59.1	213.5	34,400										105
110	56.8	210.4	32,900										110
114	55.0	207.7	31,800	58.0	209.8	33,300							114
115	54.5	207.0	31,500	57.5	209.1	33,000							115
120	52.1	203.3	30,200	55.2	205.8	31,700							120
125	49.7	199.2	28,900	52.9	202.2	30,500							125
130	47.1	194.7	27,600	50.4	198.2	29,200							130
132	46.0	192.8	27,100	49.4	196.5	28,700	52.6	198.9	29,800				132
135	44.4	189.9	26,400	47.9	193.9	28,000	51.1	196.5	29,200				135
140	41.6	184.5	25,300	45.3	189.2	26,800	48.6	192.3	28,100				140
145	38.7	178.6	24,200	42.5	184.0	25,600	46.0	187.7	26,900				145
148	36.8	174.6	23,600	40.8	180.6	25,000	44.4	184.6	26,300	47.7	187.2	27,200	148
150	35.5	172.0	23,200	39.6	178.3	24,600	43.3	182.6	25,900	46.6	185.3	26,800	150
155	32.1	164.5	22,200	36.5	171.9	23,600	40.5	177.1	24,800	43.9	180.4	25,800	155
160	28.3	155.9	21,300	33.2	164.7	22,500	37.4	170.9	23,800	41.1	174.9	24,800	160
165	23.9	145.7	20,500	29.5	156.5	21,600	34.1	163.9	22,800	38.1	168.9	23,900	165
166	22.9	143.1	20,300	28.7	154.6	21,400	33.4	162.3	22,600	37.4	167.5	23,700	166
170	18.7	132.9	19,700	25.4	146.9	20,800	30.6	156.0	21,900	34.9	162.1	22,900	170
171	17.2	129.1	19,600	24.4	144.5	20,600	29.8	154.2	21,700	34.2	160.6	22,800	171
175	11.2	114.1	19,200	20.5	135.1	20,000	26.6	146.8	21,000	31.4	154.5	22,100	175
177	6.2	101.1	19,100	17.9	128.6	19,800	24.7	142.4	20,700	29.8	150.9	21,700	177
180				14.0	119.0	19,400	21.9	135.7	20,300	27.5	145.6	21,200	180
184				4.6	94.5	19,200	17.2	124.1	19,700	23.9	137.1	20,500	184
185							16.1	121.2	19,600	23.0	135.0	20,400	185
190							6.1	95.7	19,200	17.5	121.5	19,700	190
195										9.3	100.4	19,300	195
196										6.5	93.2	19,200	196

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



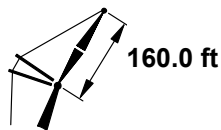
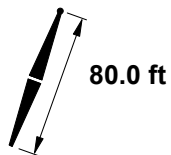
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	75.9	243.2	42,700 b							49
50	75.5	243.0	42,500 b							50
55	73.7	241.6	41,600							55
60	71.8	240.1	40,000							60
65	69.9	238.3	38,300							65
69	68.4	236.8	36,900	71.0	238.6	39,400				69
70	68.0	236.4	36,600	70.7	238.3	39,000				70
75	66.1	234.3	34,900	68.7	236.4	37,300				75
80	64.1	232.0	33,200	66.8	234.4	35,700				80
81	63.7	231.4	32,900	66.4	233.9	35,400	68.0	234.9	36,500	81
85	62.1	229.4	31,700	64.8	232.1	34,100	66.5	233.3	35,300	85
90	60.0	226.6	30,200	62.9	229.7	32,500	64.5	231.0	33,700	90
95	57.9	223.6	28,800	60.8	227.0	31,000	62.5	228.5	32,200	95
100	55.8	220.4	27,300	58.7	224.1	29,500	60.5	225.8	30,700	100
101	55.4	219.7	27,100	58.3	223.5	29,200	60.0	225.2	30,400	101
105	53.6	216.8	26,100	56.6	220.9	28,100	58.4	222.8	29,300	105
110	51.3	213.0	24,800	54.5	217.5	26,800	56.3	219.6	27,900	110
115	49.0	208.8	23,500	52.2	213.8	25,500	54.1	216.1	26,600	115
120	46.6	204.3	22,400	49.9	209.7	24,200	51.8	212.4	25,300	120
125	44.1	199.3	21,300	47.5	205.4	23,000	49.5	208.3	24,100	125
130	41.4	193.9	20,300	45.1	200.6	21,900	47.1	203.8	22,900	130
135	38.7	188.0	19,300	42.5	195.4	20,900	44.6	199.0	21,800	135
138	36.9	184.0	18,800	40.8	191.9	20,200	43.1	195.8	21,200	138
140	35.7	181.4	18,400	39.8	189.6	19,800	42.0	193.7	20,800	140
145	32.5	174.0	17,500	36.9	183.3	18,900	39.3	187.8	19,800	145
150	29.0	165.6	16,600	33.8	176.2	18,000	36.3	181.4	18,800	150
154	25.8	157.7	16,000	31.1	169.8	17,300	33.8	175.6	18,100	154
155	25.0	155.8	15,900	30.4	168.3	17,100	33.2	174.2	17,900	155
160	20.4	143.8	15,200	26.6	159.1	16,300	29.8	166.0	17,100	160
165	14.4	127.9	14,200	22.3	148.1	15,600	25.9	156.5	16,200	165
170	1.3	91.7	12,900	17.0	134.1	14,600	21.5	145.2	15,500	170
175				9.0	112.4	13,800	15.9	130.4	14,500	175
176				6.4	105.0	13,600	14.1	125.4	14,300	176
180							6.8	105.4	13,700	180
181							2.1	92.5	13,600	181
185										185
187										187
190										190
194										194
195										195
200										200
205										205
206										206

MLC250 S-3

ASME B30.5



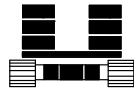
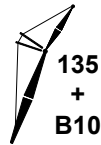
219,600 lb
+
80,000 lb



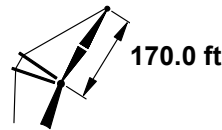
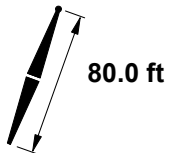
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
81													81
85													85
90													90
95													95
100													100
101	62.8	227.2	32,100										101
105	61.2	225.1	31,000										105
110	59.1	222.2	29,700										110
115	57.0	219.1	28,300										115
120	54.9	215.7	27,000	57.7	217.8	28,400							120
125	52.6	212.0	25,800	55.5	214.5	27,200							125
130	50.3	208.1	24,500	53.3	210.9	26,000							130
135	48.0	203.7	23,400	51.1	207.1	24,800							135
138	46.5	200.9	22,700	49.7	204.5	24,100	52.6	206.9	25,300				138
140	45.5	199.0	22,200	48.7	202.9	23,600	51.7	205.3	24,900				140
145	43.0	193.9	21,200	46.3	198.3	22,500	49.4	201.2	23,800				145
150	40.3	188.3	20,200	43.8	193.3	21,500	47.0	196.7	22,700				150
154	38.0	183.3	19,400	41.7	188.9	20,700	45.0	192.8	21,900	48.0	195.3	22,800	154
155	37.4	182.0	19,200	41.1	187.8	20,500	44.5	191.9	21,700	47.5	194.3	22,600	155
160	34.3	175.1	18,300	38.3	181.8	19,500	41.9	186.5	20,700	45.0	189.6	21,700	160
165	31.0	167.3	17,400	35.3	175.1	18,600	39.1	180.7	19,700	42.5	184.3	20,700	165
170	27.3	158.4	16,600	32.1	167.6	17,700	36.2	174.2	18,800	39.7	178.6	19,900	170
175	23.2	147.8	15,800	28.6	159.1	16,900	33.0	166.9	17,900	36.8	172.3	18,900	175
176	22.1	145.1	15,600	27.8	157.1	16,700	32.3	165.3	17,800	36.2	170.9	18,800	176
180	18.1	134.5	14,900	24.6	149.1	16,100	29.6	158.7	17,100	33.7	165.2	18,100	180
181	16.6	130.6	14,700	23.6	146.6	15,900	28.8	156.8	17,000	33.1	163.6	17,900	181
185	10.9	115.1	13,900	19.8	136.8	15,300	25.7	149.2	16,400	30.4	157.2	17,300	185
187	6.0	101.6	13,700	17.3	130.2	14,900	23.9	144.6	16,100	28.9	153.5	17,000	187
190				13.6	120.2	14,300	21.2	137.7	15,600	26.6	148.0	16,500	190
194				4.4	94.9	13,700	16.7	125.6	14,800	23.1	139.2	16,000	194
195							15.5	122.6	14,600	22.3	137.0	15,800	195
200							5.9	96.2	13,800	17.0	123.0	14,800	200
205										9.0	101.2	13,900	205
206										6.2	93.7	13,800	206

MLC250 S-3

ASME B30.5



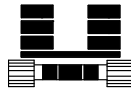
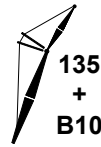
219,600 lb
+
80,000 lb



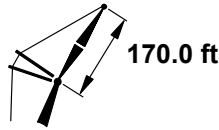
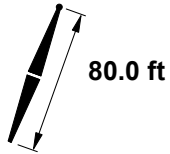
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	75.7	252.8	39,200							52
55	74.7	252.0	38,600							55
60	72.9	250.6	37,000							60
65	71.1	248.9	35,400							65
70	69.4	247.1	33,700							70
73	68.3	245.9	32,700	70.8	247.8	35,000				73
75	67.5	245.2	32,100	70.1	247.1	34,400				75
80	65.7	243.0	30,500	68.2	245.2	32,800				80
85	63.8	240.6	29,100	66.4	243.1	31,300	67.9	244.1	32,400	85
90	61.9	238.1	27,600	64.6	240.8	29,800	66.1	242.0	30,900	90
95	60.0	235.3	26,300	62.7	238.4	28,400	64.2	239.7	29,500	95
100	58.1	232.3	24,900	60.8	235.7	27,000	62.4	237.2	28,100	100
105	56.0	229.1	23,700	58.8	232.8	25,600	60.4	234.4	26,700	105
110	54.0	225.6	22,500	56.8	229.6	24,400	58.5	231.5	25,400	110
115	51.9	221.8	21,300	54.8	226.2	23,100	56.5	228.3	24,100	115
120	49.7	217.7	20,200	52.7	222.5	21,900	54.4	224.9	22,900	120
125	47.5	213.3	19,100	50.6	218.6	20,800	52.3	221.1	21,800	125
130	45.1	208.5	18,200	48.3	214.3	19,700	50.2	217.1	20,600	130
135	42.7	203.3	17,200	46.0	209.7	18,700	47.9	212.8	19,600	135
140	40.1	197.7	16,300	43.6	204.6	17,700	45.6	208.1	18,500	140
144	38.0	192.7	15,600	41.6	200.3	17,000	43.7	204.0	17,700	144
145	37.5	191.4	15,400	41.2	199.2	16,800	43.2	203.0	17,600	145
150	34.6	184.6	14,600	38.5	193.2	15,800	40.7	197.4	16,700	150
155	31.5	176.9	13,800	35.7	186.6	15,000	38.0	191.3	15,800	155
160	28.1	168.1	12,900	32.7	179.2	14,200	35.2	184.6	14,900	160
161	27.3	166.1	12,700	32.1	177.6	14,000	34.6	183.1	14,800	161
165	24.3	158.0	11,900	29.5	170.9	13,300	32.2	177.1	14,100	165
170	19.8	145.6	11,100	25.8	161.4	12,300	28.9	168.6	13,200	170
175	14.0	129.1	10,300	21.6	150.0	11,500	25.1	158.8	12,200	175
180	1.3	91.8	9,700	16.5	135.5	10,600	20.8	147.0	11,300	180
185				8.8	113.2	9,900	15.4	131.7	10,500	185
186				6.2	105.6	9,700	13.6	126.6	10,400	186
190							6.5	106.0	9,800	190
191							2.0	92.6	9,700	191
195										195
197										197
200										200
204										204
205										205
210										210
215										215
216										216

MLC250 S-3

ASME B30.5



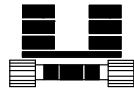
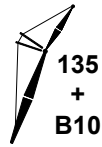
219,600 lb
+
80,000 lb



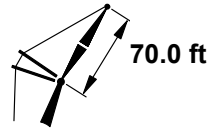
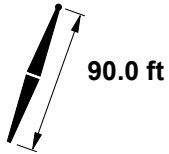
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
90													90
95													95
100													100
105	63.0	236.4	28,300										105
110	61.1	233.7	27,000										110
115	59.2	230.9	25,700										115
120	57.2	227.8	24,500										120
125	55.2	224.4	23,300	57.8	226.5	24,600							125
130	53.1	220.8	22,100	55.8	223.2	23,500							130
135	50.9	216.9	21,100	53.8	219.7	22,400							135
140	48.7	212.7	20,000	51.6	215.9	21,300							140
144	46.9	209.0	19,200	49.9	212.6	20,400	52.6	214.9	21,500				144
145	46.5	208.1	19,000	49.5	211.8	20,200	52.2	214.1	21,400				145
150	44.1	203.1	17,900	47.2	207.3	19,200	50.1	210.1	20,300				150
155	41.6	197.8	17,000	44.9	202.5	18,300	47.8	205.7	19,300				155
160	39.0	191.9	16,100	42.4	197.2	17,300	45.5	201.0	18,400				160
161	38.4	190.6	16,000	41.9	196.1	17,100	45.0	200.0	18,200	47.9	202.4	19,200	161
165	36.2	185.4	15,300	39.8	191.5	16,500	43.1	195.9	17,500	46.0	198.7	18,500	165
170	33.3	178.2	14,500	37.1	185.2	15,600	40.6	190.3	16,600	43.6	193.6	17,600	170
175	30.1	170.1	13,500	34.3	178.3	14,700	37.9	184.2	15,800	41.1	188.2	16,700	175
180	26.5	160.8	12,700	31.1	170.5	13,900	35.1	177.4	14,900	38.5	182.2	15,900	180
185	22.5	149.8	11,700	27.7	161.6	12,900	32.0	169.9	14,200	35.7	175.5	15,100	185
186	21.5	147.0	11,500	26.9	159.5	12,700	31.3	168.1	14,000	35.1	174.1	14,900	186
190	17.5	136.0	10,800	23.8	151.2	12,000	28.7	161.3	13,300	32.7	168.2	14,300	190
191	16.1	132.0	10,700	22.9	148.7	11,800	27.9	159.3	13,100	32.0	166.5	14,100	191
195	10.6	116.0	10,100	19.2	138.6	11,100	24.9	151.4	12,300	29.4	159.9	13,500	195
197				16.8	131.7	10,800	23.2	146.6	12,000	28.0	156.1	13,100	197
200				13.2	121.3	10,300	20.6	139.5	11,400	25.8	150.3	12,500	200
204				4.3	95.3	9,800	16.2	127.1	10,700	22.4	141.2	11,800	204
205							15.1	123.9	10,500	21.6	139.0	11,600	205
210							5.7	96.7	9,800	16.4	124.5	10,700	210
215										8.7	102.0	10,000	215
216										6.1	94.3	9,900	216

MLC250 S-3

ASME B30.5



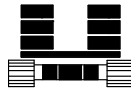
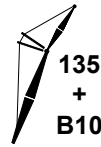
219,600 lb
+
80,000 lb



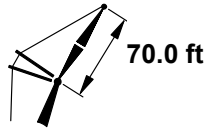
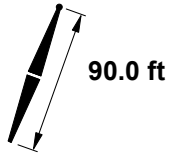
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
28	75.4	165.8	114,600 d							28
30	73.7	165.3	114,500 d							30
35	69.4	163.6	113,700 c							35
40	65.0	161.5	107,700 c							40
41	64.1	161.0	106,700 c	71.0	163.4	117,300 c				41
45	60.4	158.9	102,500 c	67.5	161.9	112,400 c				45
50	55.5	155.8	97,900 b	63.0	159.6	106,900 b	67.2	160.9	112,200 c	50
55	50.4	152.0	93,800 b	58.3	156.8	102,000 b	62.7	158.6	106,900 b	55
60	44.9	147.4	87,700 b	53.3	153.4	97,600 b	57.9	155.8	102,200 b	60
63	41.2	144.1	82,100 b	50.2	150.9	95,400 b	55.0	153.7	99,600 b	63
65	38.7	141.8	78,400	48.0	149.3	93,800	53.0	152.3	97,900 b	65
70	31.6	134.7	70,600	42.3	144.3	83,600	47.7	148.2	93,100	70
75	22.6	125.0	63,800	35.8	138.2	75,000	41.8	143.1	83,100	75
80	6.1	105.4	46,500	28.0	130.1	67,800	35.3	136.8	74,600	80
85				17.4	118.2	61,300	27.4	128.6	67,400	85
88				4.4	102.5	48,500	20.8	121.2	63,600	88
90							16.4	116.2	61,100	90
92							8.9	107.3	54,700	92
95										95
99										99
100										100
105										105
107										107
110										110
115										115
120										120
121										121

MLC250 S-3

ASME B30.5



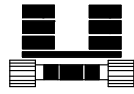
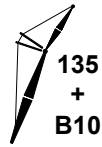
219,600 lb
+
80,000 lb



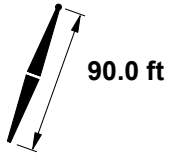
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
28													28
30													30
35													35
40													40
41													41
45													45
50													50
55													55
60													60
63	62.3	156.5	103,800 b										63
65	60.4	155.4	100,600 b										65
70	55.6	152.3	93,500 b										70
75	50.5	148.5	86,200	58.0	151.3	83,300 b							75
80	45.0	144.0	79,600	53.0	147.9	77,000 b							80
85	38.8	138.4	74,000	47.7	143.8	71,500							85
88	34.6	134.2	71,000	44.2	140.7	68,600	52.2	144.1	66,200				88
90	31.7	131.4	69,000	41.9	138.7	66,700	50.1	142.5	64,500				90
92	28.2	127.5	67,200	39.3	136.2	65,000	47.8	140.6	62,800				92
95	22.8	121.7	64,500	35.3	132.5	62,400	44.5	137.9	60,300				95
99	9.9	106.4	57,900	29.1	125.9	59,400	39.5	133.3	57,400	47.8	136.8	55,400	99
100	6.6	102.6	56,300	27.5	124.3	58,600	38.3	132.2	56,700	46.7	135.9	54,800	100
105				16.5	111.9	55,100	31.1	125.0	53,400	40.7	130.7	51,600	105
107				9.2	103.2	53,800	27.5	121.0	52,200	38.0	128.0	50,400	107
110							22.0	115.0	50,400	34.0	124.1	48,700	110
115							2.7	92.0	47,500	25.8	115.4	46,100	115
120										13.6	101.4	43,600	120
121										9.4	96.5	43,100	121

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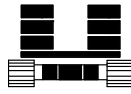
219,600 lb
+
80,000 lb



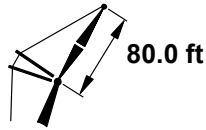
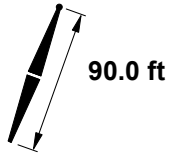
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	75.8	175.6	104,800 d						30	
35	72.1	174.2	104,400 c						35	
40	68.3	172.4	99,600 c						40	
45	64.4	170.2	94,700 c	70.4	172.6	103,900 c			45	
50	60.3	167.6	90,300 b	66.6	170.7	98,800 b			50	
53	57.8	165.7	87,900 b	64.2	169.2	96,000 b	67.9	170.5	100,500 b	53
55	56.1	164.5	86,300 b	62.6	168.3	94,200 b	66.3	169.7	98,700 b	55
60	51.7	160.8	82,700 b	58.5	165.5	90,000	62.3	167.3	94,300 b	60
65	47.0	156.5	78,700	54.2	162.1	86,200	58.2	164.4	90,200	65
67	44.9	154.5	75,700	52.4	160.6	84,800	56.5	163.1	88,700	67
70	41.8	151.4	71,000	49.7	158.2	82,700	53.9	161.1	86,500	70
75	36.1	145.2	64,500	44.8	153.6	75,400	49.3	157.1	83,000	75
80	29.5	137.5	58,900	39.4	148.0	68,300	44.4	152.4	75,000	80
81	27.9	135.4	57,900	38.2	146.7	67,000	43.3	151.3	73,600	81
85	21.2	126.9	54,000	33.4	141.3	62,200	39.0	146.8	67,900	85
90	5.7	105.9	40,200	26.2	132.5	56,900	32.9	139.9	61,900	90
94				18.2	122.2	53,000	27.0	132.8	57,700	94
95				16.3	119.6	52,100	25.6	131.0	56,600	95
98				4.1	102.9	42,000	19.4	122.9	53,700	98
100							15.3	117.6	51,800	100
102							8.3	108.0	47,200	102
105										105
106										106
110										110
115										115
117										117
120										120
125										125
130										130
131										131

MLC250 S-3

ASME B30.5



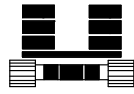
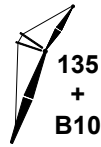
219,600 lb
+
80,000 lb



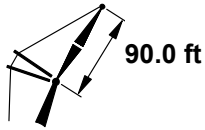
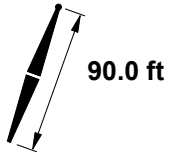
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
35													35
40													40
45													45
50													50
53													53
55													55
60													60
65													65
67	62.8	165.7	94,500 b										67
70	60.4	164.1	92,300 b										70
75	56.2	161.0	85,900										75
80	51.8	157.4	79,400										80
81	50.8	156.5	78,200	57.4	159.4	75,500							81
85	47.0	153.1	73,700	53.9	156.7	71,200							85
90	41.9	148.0	68,700	49.4	152.7	66,400							90
94	37.4	143.0	65,200	45.4	148.9	63,000	52.3	152.1	60,800				94
95	36.2	141.8	64,400	44.5	148.0	62,200	51.4	151.3	60,000				95
98	32.3	137.2	61,400	41.2	144.7	59,900	48.5	148.7	57,800				98
100	29.6	134.1	59,400	39.1	142.4	58,400	46.6	147.0	56,400				100
102	26.3	129.9	57,400	36.6	139.7	57,000	44.6	144.9	55,100				102
105	21.3	123.6	54,500	33.0	135.5	55,000	41.5	141.8	53,100				105
106	18.3	119.5	53,300	31.5	133.8	54,400	40.3	140.5	52,500	47.5	144.0	50,700	106
110	6.2	103.2	48,800	25.7	126.6	51,900	35.8	135.5	50,100	43.5	140.1	48,400	110
115				15.5	113.3	49,100	29.1	127.7	47,500	38.0	134.2	45,800	115
117				8.6	103.9	48,000	25.7	123.3	46,500	35.5	131.4	44,900	117
120							20.5	116.8	45,000	31.7	127.1	43,400	120
125							2.5	92.3	42,600	24.1	117.6	41,300	125
130										12.7	102.6	39,200	130
131										8.8	97.3	38,800	131

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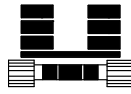
219,600 lb
+
80,000 lb



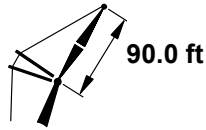
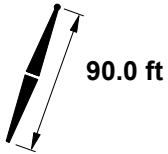
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
33	75.5	185.2	94,600 d							33
35	74.1	184.6	94,400 d							35
40	70.8	183.0	89,800 c							40
45	67.4	181.1	85,500 c							45
48	65.3	179.8	83,100 c	70.7	182.2	90,600 c				48
50	63.9	178.9	81,500 b	69.3	181.4	89,000 b				50
55	60.3	176.2	77,800 b	65.9	179.4	85,000 b				55
57	58.8	175.0	76,500 b	64.5	178.4	83,400 b	67.7	179.7	87,100 b	57
60	56.6	173.1	74,500	62.3	176.9	81,200	65.6	178.4	84,800 b	60
65	52.6	169.6	71,400	58.7	174.1	77,700	62.1	175.9	81,300	65
70	48.5	165.5	68,600	54.9	170.8	74,500	58.4	173.1	77,900	70
72	46.8	163.6	67,100	53.3	169.3	73,300	56.9	171.8	76,600	72
75	44.1	160.7	64,800	50.9	167.1	71,600	54.6	169.8	74,800	75
80	39.3	155.1	59,300	46.6	162.7	68,500	50.6	166.0	71,900	80
85	34.0	148.4	54,500	42.1	157.6	62,500	46.3	161.5	68,200	85
86	32.8	146.7	53,700	41.1	156.3	61,500	45.4	160.5	67,000	86
90	27.8	140.0	50,300	37.1	151.5	57,300	41.7	156.3	62,200	90
95	19.9	128.7	46,500	31.4	144.2	52,800	36.7	150.2	57,100	95
100	5.3	106.4	35,100	24.7	134.8	48,700	31.0	142.8	52,500	100
105				15.3	121.0	45,000	24.1	133.2	48,500	105
108				3.8	103.3	36,900	18.3	124.6	46,300	108
110							14.4	118.9	44,800	110
112							7.9	108.7	41,300	112
113										113
115										115
120										120
125										125
127										127
130										130
135										135
140										140
141										141

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ASME B30.5



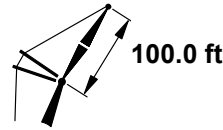
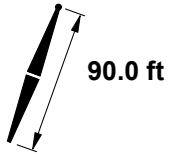
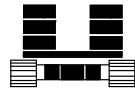
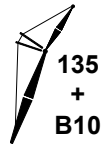
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
33													33
35													35
40													40
45													45
48													48
50													50
55													55
57													57
60													60
65													65
70													70
72	62.5	174.4	81,400										72
75	60.3	172.7	79,500										75
80	56.6	169.7	76,600										80
85	52.7	166.1	73,500										85
86	51.9	165.3	72,500	57.7	168.1	70,000							86
90	48.6	162.0	68,600	54.6	165.4	66,200							90
95	44.2	157.3	64,200	50.6	161.6	62,000							95
100	39.4	151.7	59,800	46.4	157.1	58,200	52.4	160.1	56,200				100
105	34.1	145.0	55,000	41.8	152.0	54,900	48.3	156.0	52,900				105
108	30.4	140.0	52,400	38.8	148.3	53,000	45.6	153.1	51,200				108
110	27.9	136.7	50,700	36.8	145.9	51,800	43.8	151.1	50,000				110
112	24.8	132.2	49,200	34.5	142.9	50,700	41.9	148.9	48,900				112
113	23.2	129.9	48,400	33.3	141.4	50,200	40.9	147.7	48,400	47.3	151.1	46,600	113
115	20.1	125.4	46,900	31.1	138.4	49,100	39.0	145.5	47,300	45.5	149.2	45,600	115
120	5.8	103.7	42,800	24.2	128.9	46,500	33.6	138.7	44,900	40.9	143.9	43,300	120
125				14.6	114.6	44,200	27.4	130.2	42,700	35.7	137.6	41,200	125
127				8.1	104.7	43,200	24.2	125.5	41,800	33.4	134.5	40,400	127
130							19.3	118.6	40,600	29.9	129.8	39,200	130
135							2.3	92.5	38,600	22.7	119.7	37,300	135
140										11.9	103.6	35,600	140
141										8.3	98.0	35,200	141

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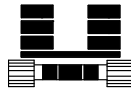
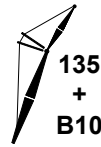
ASME B30.5



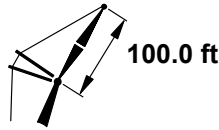
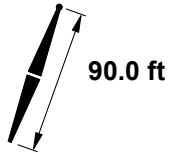
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	75.8	195.0	85,500 d							35
40	72.8	193.6	82,000 c							40
45	69.8	191.9	77,900 c							45
50	66.7	189.9	74,200 b							50
51	66.0	189.4	73,500 b	70.9	191.7	80,000 b				51
55	63.5	187.6	70,700 b	68.4	190.2	77,100 b				55
60	60.3	184.9	67,400	65.3	188.1	73,600				60
61	59.6	184.3	66,800	64.7	187.6	73,000	67.6	188.9	76,100 b	61
65	56.9	181.8	64,500	62.1	185.6	70,300	65.1	187.1	73,500	65
70	53.4	178.3	61,700	58.8	182.8	67,200	61.9	184.6	70,300	70
75	49.8	174.4	59,200	55.4	179.5	64,300	58.6	181.8	67,300	75
76	49.0	173.5	58,700	54.7	178.8	63,800	57.9	181.1	66,800	76
80	45.9	169.8	56,900	51.8	175.9	61,600	55.1	178.5	64,500	80
85	41.8	164.6	54,700	48.1	171.7	59,200	51.6	174.8	61,900	85
90	37.2	158.6	50,800	44.1	166.8	56,900	47.8	170.5	59,400	90
91	36.2	157.1	50,100	43.3	165.7	56,200	47.0	169.5	58,900	91
95	32.2	151.4	47,100	39.8	161.3	53,300	43.8	165.7	57,100	95
100	26.4	142.4	43,700	35.1	154.8	49,300	39.5	160.0	53,100	100
105	18.9	130.4	40,600	29.8	146.9	45,700	34.8	153.4	49,100	105
106	16.1	125.7	38,700	28.5	144.9	45,100	33.7	151.8	48,400	106
110	5.1	106.9	31,000	23.4	136.9	42,500	29.4	145.5	45,500	110
115				14.5	122.3	39,400	22.9	135.3	42,300	115
118				3.6	103.6	32,600	17.4	126.2	40,500	118
119							15.5	123.1	39,900	119
120							13.7	120.1	39,300	120
122							7.5	109.4	36,600	122
125										125
130										130
135										135
137										137
140										140
145										145
150										150
151										151

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ASME B30.5



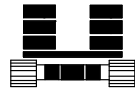
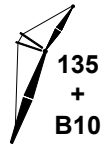
219,600 lb
+
80,000 lb



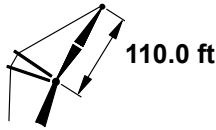
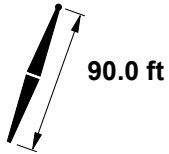
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35													35
40													40
45													45
50													50
51													51
55													55
60													60
61													61
65													65
70													70
75													75
76	62.9	183.6	71,000										76
80	60.3	181.4	68,800										80
85	57.0	178.4	66,000										85
90	53.5	174.9	63,400										90
91	52.7	174.1	63,000	57.9	176.7	65,000							91
95	49.8	170.9	61,100	55.2	174.1	61,600							95
100	46.0	166.4	58,800	51.6	170.4	57,900							100
105	41.8	161.2	55,500	47.9	166.1	54,600							105
106	40.9	160.0	54,700	47.1	165.2	53,900	52.5	168.1	52,000				106
110	37.3	155.2	51,300	43.9	161.3	51,500	49.5	164.9	49,600				110
115	32.3	148.0	47,500	39.6	155.7	48,800	45.6	160.3	47,000				115
118	28.8	142.6	45,400	36.7	151.7	47,300	43.1	157.1	45,600				118
119	27.6	140.8	44,800	35.8	150.4	46,800	42.3	156.1	45,100	47.9	159.2	43,400	119
120	26.5	139.1	44,100	34.8	149.1	46,300	41.5	155.0	44,600	47.1	158.3	42,900	120
122	23.5	134.3	42,800	32.7	145.9	45,400	39.7	152.6	43,700	45.5	156.3	42,100	122
125	19.0	127.1	41,000	29.4	141.1	44,000	36.9	148.9	42,400	43.1	153.3	40,800	125
130	5.5	104.2	37,900	22.9	130.9	41,900	31.9	141.6	40,300	38.7	147.5	38,900	130
135				13.8	115.9	39,500	25.9	132.5	38,500	33.9	140.7	37,000	135
137				7.7	105.3	38,300	22.9	127.6	37,800	31.6	137.4	36,400	137
140							18.3	120.3	36,700	28.3	132.4	35,400	140
145							2.2	92.7	34,900	21.5	121.6	33,800	145
150										11.3	104.6	32,300	150
151										7.9	98.7	32,000	151

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



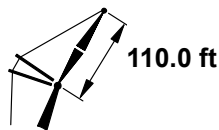
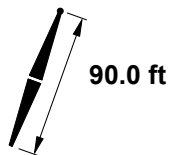
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	76.0	204.8	78,200 c						37	
40	74.4	204.0	76,200 c						40	
45	71.7	202.5	73,000 c						45	
50	68.9	200.7	70,000 b						50	
54	66.6	199.0	67,700 b	71.0	201.3	73,000 b			54	
55	66.1	198.6	67,200 b	70.5	200.9	72,400 b			55	
60	63.2	196.2	64,600	67.7	199.0	69,600			60	
64	60.8	194.1	62,500	65.4	197.2	67,500	68.0	198.4	64	
65	60.2	193.5	62,000	64.8	196.8	67,000	67.5	198.0	65	
70	57.2	190.5	59,500	61.9	194.3	64,400	64.6	195.8	70	
75	54.0	187.1	57,100	58.9	191.4	61,800	61.7	193.3	75	
80	50.7	183.2	54,800	55.8	188.2	59,300	58.7	190.4	80	
81	50.1	182.4	54,400	55.2	187.5	58,900	58.1	189.8	81	
85	47.3	178.9	52,800	52.6	184.6	57,000	55.6	187.2	85	
90	43.6	174.0	50,800	49.3	180.6	54,800	52.4	183.6	90	
95	39.7	168.3	47,200	45.7	176.0	52,700	49.0	179.5	95	
97	38.0	165.7	45,900	44.2	173.9	51,400	47.6	177.6	97	
100	35.5	161.9	43,900	42.0	170.8	49,400	45.5	174.8	100	
105	30.7	154.2	41,000	37.9	164.8	45,900	41.7	169.6	105	
110	25.1	144.7	38,300	33.4	157.8	42,700	37.6	163.5	110	
112	22.3	139.7	36,600	31.4	154.5	41,600	35.8	160.7	112	
115	18.0	132.1	34,100	28.4	149.5	39,900	33.1	156.5	115	
120	4.8	107.3	25,900	22.3	138.9	37,300	28.0	148.0	120	
125				13.9	123.6	33,500	21.8	137.2	125	
126				10.4	117.0	31,400	20.0	134.0	126	
128				3.5	103.9	27,300	16.5	127.7	128	
130							13.1	121.3	130	
132							7.1	110.0	132	
135									135	
140									140	
145									145	
147									147	
150									150	
155									155	
160									160	
161									161	

MLC250 S-3

ASME B30.5



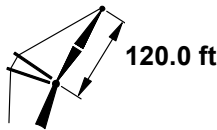
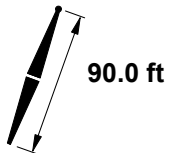
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
40													40
45													45
50													50
54													54
55													55
60													60
64													64
65													65
70													70
75													75
80													80
81	62.7	192.2	64,700										81
85	60.3	190.1	62,900										85
90	57.2	187.0	60,700										90
95	54.1	183.6	58,400										95
97	52.8	182.1	57,500	57.5	184.8	60,100							97
100	50.8	179.8	56,200	55.6	182.8	57,900							100
105	47.4	175.4	54,200	52.4	179.2	54,500							105
110	43.7	170.5	51,400	49.0	175.1	51,500							110
112	42.1	168.3	49,900	47.6	173.2	50,400	52.5	176.1	48,500				112
115	39.8	164.9	47,600	45.5	170.4	48,800	50.5	173.7	47,000				115
120	35.5	158.4	44,300	41.7	165.2	46,300	47.1	169.3	44,600				120
125	30.8	150.8	41,300	37.6	159.2	44,000	43.4	164.4	42,400				125
126	29.6	148.9	40,800	36.7	157.8	43,600	42.6	163.2	42,000	47.7	166.3	40,400	126
128	27.4	145.1	39,700	34.9	154.9	42,800	41.0	161.0	41,200	46.2	164.4	39,600	128
130	25.2	141.4	38,600	33.1	152.1	41,900	39.5	158.7	40,400	44.8	162.5	38,900	130
132	22.4	136.3	37,600	31.1	148.7	41,100	37.7	156.1	39,600	43.3	160.4	38,100	132
135	18.1	128.8	36,100	28.0	143.7	40,000	35.2	152.2	38,500	41.0	157.1	37,100	135
140	5.3	104.7	31,900	21.8	132.9	37,400	30.4	144.4	36,800	36.8	150.9	35,400	140
145				13.2	117.1	34,900	24.7	134.8	35,200	32.2	143.7	33,800	145
147				7.3	106.0	33,900	21.8	129.6	34,600	30.1	140.1	33,300	147
150							17.5	121.8	33,600	27.0	134.9	32,400	150
155							2.1	92.9	32,100	20.5	123.5	31,000	155
160										10.8	105.6	29,700	160
161										7.5	99.4	29,500	161

MLC250 S-3

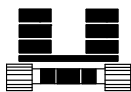
ASME B30.5



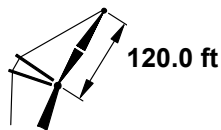
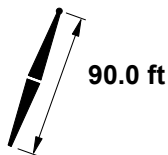
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	75.7	214.3	70,800 c							40
45	73.2	213.0	67,700 c							45
50	70.7	211.3	64,900 b							50
55	68.2	209.5	62,100 b							55
58	66.6	208.2	60,600 b	70.6	210.5	65,200				58
60	65.6	207.3	59,500	69.6	209.7	64,200				60
65	62.9	204.9	57,100	67.1	207.7	61,600				65
68	61.3	203.3	55,700	65.5	206.4	60,200	67.9	207.6	62,300	68
70	60.2	202.2	54,800	64.4	205.5	59,200	66.9	206.8	61,400	70
75	57.4	199.2	52,500	61.8	202.9	56,900	64.2	204.5	59,100	75
80	54.5	195.8	50,500	59.0	200.1	54,600	61.6	201.9	56,900	80
85	51.6	192.0	48,500	56.2	196.9	52,400	58.8	199.1	54,600	85
90	48.4	187.8	46,500	53.3	193.4	50,300	56.0	195.9	52,600	90
95	45.2	183.1	44,700	50.2	189.4	48,200	53.0	192.3	50,400	95
100	41.7	177.9	42,900	47.0	185.0	46,300	50.0	188.3	48,400	100
102	40.2	175.5	42,100	45.7	183.1	45,600	48.7	186.6	47,600	102
105	38.0	171.9	41,000	43.7	180.1	44,500	46.8	183.9	46,400	105
110	33.9	165.0	38,300	40.1	174.5	42,700	43.4	178.9	44,600	110
115	29.3	156.8	35,900	36.2	168.2	39,900	39.8	173.3	42,600	115
118	26.1	150.9	34,600	33.7	163.7	38,400	37.5	169.4	40,900	118
120	24.0	146.9	33,700	32.0	160.8	37,400	35.9	166.9	39,800	120
125	17.2	133.6	30,100	27.1	152.0	35,000	31.7	159.4	37,200	125
130	4.6	107.7	22,900	21.3	140.8	32,900	26.8	150.4	34,900	130
133				16.5	131.2	31,000	23.2	143.6	33,600	133
135				13.3	124.8	29,700	20.8	139.1	32,800	135
138				3.3	104.2	24,300	15.8	129.1	31,500	138
140							12.5	122.4	30,600	140
142							6.8	110.6	27,200	142
145										145
150										150
155										155
157										157
160										160
165										165
170										170
171										171

MLC250 S-3

ASME B30.5



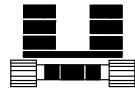
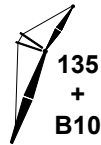
219,600 lb
+
80,000 lb



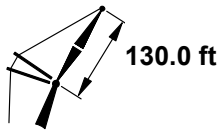
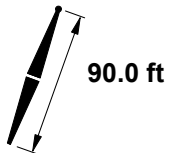
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
58													58
60													60
65													65
68													68
70													70
75													75
80													80
85	63.0	201.4	57,400										85
90	60.3	198.7	55,500										90
95	57.5	195.7	53,500										95
100	54.6	192.3	51,500										100
102	53.4	190.8	50,700	57.7	193.4	52,900							102
105	51.6	188.6	49,500	56.0	191.5	51,900							105
110	48.5	184.4	47,600	53.1	187.9	50,100							110
115	45.2	179.7	45,700	50.0	183.9	48,300							115
118	43.1	176.5	44,700	48.1	181.3	46,900	52.6	184.1	45,200				118
120	41.8	174.4	44,000	46.8	179.5	46,000	51.4	182.5	44,200				120
125	38.0	168.5	41,300	43.5	174.5	43,700	48.2	178.3	42,000				125
130	34.0	161.6	38,600	39.9	168.9	41,600	45.0	173.6	40,000				130
133	31.2	156.7	37,200	37.5	165.1	40,500	42.9	170.4	38,900	47.5	173.5	37,400	133
135	29.4	153.5	36,200	36.0	162.5	39,700	41.5	168.3	38,200	46.2	171.6	36,700	135
138	26.2	147.5	34,900	33.4	158.0	38,400	39.2	164.6	37,200	44.2	168.6	35,700	138
140	24.1	143.6	34,000	31.7	155.0	37,500	37.7	162.2	36,500	42.8	166.5	35,100	140
142	21.4	138.3	33,100	29.7	151.5	36,500	36.1	159.4	35,800	41.3	164.2	34,400	142
145	17.4	130.3	31,900	26.8	146.1	35,100	33.6	155.2	34,900	39.2	160.8	33,500	145
150	5.1	105.1	28,500	20.9	134.8	33,000	29.0	147.0	33,400	35.2	154.2	32,100	150
155				12.6	118.2	30,900	23.7	136.9	32,000	30.8	146.5	30,800	155
157				7.0	106.6	30,000	20.9	131.5	31,500	28.8	142.8	30,300	157
160							16.7	123.3	30,700	25.8	137.2	29,500	160
165							2.0	93.0	29,400	19.6	125.2	28,300	165
170										10.3	106.5	27,200	170
171										7.2	100.1	26,900	171

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



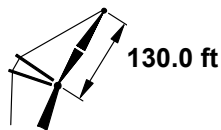
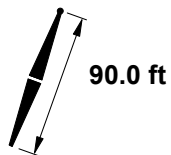
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	75.9	224.2	53,200 b						42	
45	74.6	223.4	52,400 b						45	
50	72.3	221.9	51,300 b						50	
55	69.9	220.2	50,200						55	
60	67.6	218.2	49,200						60	
61	67.1	217.8	49,000	70.8	220.0	51,200			61	
65	65.2	216.0	48,200	68.9	218.5	50,500			65	
70	62.7	213.6	47,100	66.5	216.5	49,700			70	
72	61.7	212.5	46,300	65.5	215.6	49,300	67.8	216.8	50,000	72
75	60.2	210.9	45,200	64.1	214.2	48,700	66.4	215.5	49,500	75
80	57.6	207.8	43,400	61.6	211.6	46,700	63.9	213.2	48,500	80
85	55.0	204.5	41,600	59.1	208.8	44,900	61.4	210.6	46,600	85
90	52.2	200.8	40,000	56.5	205.6	43,100	58.9	207.7	44,800	90
95	49.4	196.8	38,400	53.8	202.1	41,400	56.3	204.6	43,100	95
100	46.4	192.2	36,900	51.0	198.3	39,800	53.6	201.1	41,400	100
105	43.3	187.2	35,500	48.1	194.0	38,200	50.8	197.2	39,800	105
107	42.0	185.0	35,000	46.9	192.1	37,600	49.6	195.5	39,200	107
110	40.0	181.6	34,200	45.1	189.3	36,800	47.9	192.9	38,300	110
115	36.4	175.2	33,000	41.9	184.0	35,300	44.9	188.1	36,800	115
120	32.5	168.0	31,800	38.5	178.1	34,100	41.6	182.8	35,500	120
124	29.0	161.1	31,000	35.5	172.7	33,100	38.9	178.0	34,400	124
125	28.2	159.4	30,800	34.8	171.4	32,800	38.2	176.8	34,100	125
130	23.1	149.0	29,900	30.7	163.6	31,700	34.5	170.0	32,900	130
135	16.6	135.1	26,900	26.0	154.3	30,700	30.4	162.2	31,800	135
139	6.9	113.5	21,900	21.6	145.0	29,700	26.6	154.6	31,000	139
140	4.4	108.1	20,600	20.5	142.7	29,500	25.7	152.8	30,800	140
145				12.7	125.9	26,700	20.0	140.9	29,400	145
148				3.2	104.5	21,900	15.2	130.4	28,300	148
150							12.0	123.5	27,500	150
152							6.5	111.2	24,600	152
155										155
160										160
165										165
167										167
170										170
175										175
180										180
181										181

MLC250 S-3

ASME B30.5



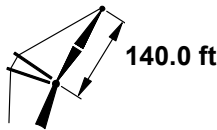
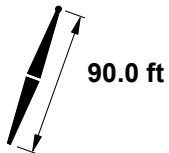
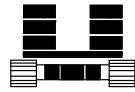
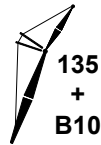
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
42													42
45													45
50													50
55													55
60													60
61													61
65													65
70													70
72													72
75													75
80													80
85													85
90	62.8	210.1	47,100										90
95	60.2	207.4	45,400										95
100	57.7	204.4	43,800										100
105	55.0	201.1	42,200										105
107	53.9	199.6	41,600	57.9	202.1	43,300							107
110	52.3	197.4	40,700	56.3	200.2	42,500							110
115	49.4	193.3	39,100	53.6	196.7	41,000							115
120	46.5	188.8	37,700	50.8	192.8	39,600							120
124	44.0	184.8	36,600	48.5	189.3	38,500	52.6	192.1	39,800				124
125	43.4	183.8	36,300	47.9	188.5	38,200	52.1	191.3	39,600				125
130	40.0	178.2	35,000	44.9	183.7	36,900	49.2	187.2	38,400				130
135	36.5	171.8	33,700	41.7	178.4	35,600	46.2	182.7	37,100				135
139	33.4	166.0	32,800	38.9	173.6	34,600	43.7	178.6	36,200	48.0	181.6	35,100	139
140	32.6	164.6	32,600	38.2	172.5	34,300	43.1	177.6	35,900	47.4	180.6	34,800	140
145	28.2	156.0	31,500	34.5	165.7	33,100	39.8	172.0	34,700	44.3	175.8	33,300	145
148	25.2	149.8	30,900	32.1	161.0	32,500	37.6	168.1	33,800	42.3	172.5	32,500	148
150	23.2	145.6	30,500	30.4	157.8	32,100	36.2	165.6	33,200	41.0	170.4	31,900	150
152	20.6	140.1	29,700	28.5	154.1	31,700	34.6	162.6	32,700	39.6	167.9	31,400	152
155	16.7	131.8	28,700	25.7	148.4	31,100	32.3	158.2	31,800	37.6	164.3	30,600	155
160	4.9	105.5	25,800	20.1	136.6	29,600	27.9	149.6	30,500	33.8	157.3	29,300	160
165				12.1	119.3	27,800	22.7	139.0	29,300	29.6	149.2	28,200	165
167				6.7	107.2	27,100	20.1	133.3	28,900	27.7	145.3	27,700	167
170							16.1	124.8	28,200	24.8	139.4	27,000	170
175							1.9	93.2	26,700	18.8	126.9	26,000	175
180										9.9	107.4	25,000	180
181										6.9	100.7	24,800	181

MLC250 S-3

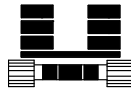
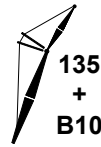
ASME B30.5



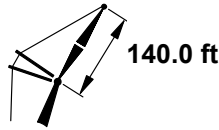
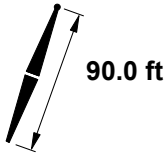
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	75.7	233.7	49,200 b							45
50	73.6	232.3	48,100 b							50
55	71.4	230.8	47,200							55
60	69.3	229.0	46,200							60
64	67.5	227.4	45,400	70.9	229.5	47,400				64
65	67.0	227.0	45,200	70.5	229.2	47,300				65
70	64.8	224.7	43,300	68.3	227.3	46,500				70
75	62.5	222.3	41,500	66.1	225.2	44,700				75
76	62.1	221.7	41,100	65.6	224.7	44,300	67.7	225.9	45,800	76
80	60.2	219.5	39,700	63.8	222.9	42,800	65.9	224.2	44,400	80
85	57.8	216.5	38,000	61.5	220.3	41,100	63.6	221.9	42,700	85
90	55.3	213.2	36,400	59.2	217.4	39,400	61.3	219.3	41,000	90
94	53.3	210.3	35,200	57.2	214.9	38,100	59.5	217.0	39,700	94
95	52.8	209.6	34,900	56.7	214.3	37,700	59.0	216.4	39,300	95
100	50.2	205.6	33,400	54.3	210.9	36,100	56.6	213.2	37,700	100
105	47.5	201.2	32,000	51.7	207.1	34,600	54.1	209.8	36,100	105
110	44.6	196.4	30,700	49.0	202.9	33,200	51.5	206.0	34,600	110
113	42.8	193.2	29,900	47.4	200.2	32,300	49.9	203.5	33,800	113
115	41.7	191.1	29,500	46.3	198.4	31,800	48.8	201.8	33,200	115
120	38.5	185.1	28,200	43.4	193.4	30,500	46.1	197.2	31,800	120
125	35.1	178.5	27,100	40.3	187.8	29,200	43.1	192.2	30,500	125
130	31.3	170.8	26,100	37.0	181.5	28,100	40.1	186.5	29,300	130
135	27.1	161.9	25,200	33.5	174.4	27,000	36.8	180.2	28,100	135
140	22.2	151.0	24,300	29.5	166.3	26,000	33.2	173.1	27,000	140
145	16.0	136.5	23,600	25.1	156.6	25,100	29.2	164.8	26,000	145
146	13.6	130.9	22,500	24.0	154.2	24,900	28.3	162.9	25,900	146
150	4.3	108.5	18,300	19.7	144.5	24,300	24.7	155.0	25,100	150
155				12.3	127.0	23,600	19.3	142.6	24,300	155
158				3.1	104.7	19,500	14.7	131.8	24,000	158
160							11.6	124.5	23,700	160
162							6.3	111.8	22,000	162
165										165
170										170
175										175
177										177
180										180
185										185
190										190
191										191

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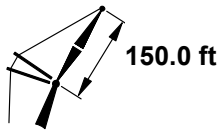
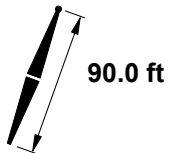
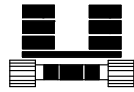
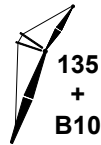
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
ft	ft	ft	lb	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
76													76
80													80
85													85
90													90
94	63.0	219.3	41,700										94
95	62.6	218.8	41,400										95
100	60.2	216.1	39,900										100
105	57.8	213.0	38,400										105
110	55.4	209.8	36,900										110
113	53.9	207.6	36,000	57.6	210.1	37,700							113
115	52.9	206.1	35,400	56.6	208.8	37,100							115
120	50.2	202.2	34,000	54.1	205.4	35,700							120
125	47.5	197.8	32,600	51.5	201.6	34,400							125
130	44.7	193.0	31,300	48.9	197.4	33,100	52.7	200.1	34,400				130
135	41.7	187.7	30,000	46.1	192.8	31,900	50.0	196.1	33,300				135
140	38.5	181.7	28,800	43.2	187.8	30,700	47.3	191.7	32,100				140
145	35.1	175.1	27,700	40.1	182.1	29,500	44.5	186.9	30,900				145
146	34.4	173.5	27,500	39.4	180.9	29,200	43.9	185.8	30,700	47.8	188.7	31,700	146
150	31.4	167.4	26,700	36.8	175.9	28,300	41.5	181.5	29,800	45.5	184.9	30,900	150
155	27.2	158.5	25,700	33.2	168.7	27,200	38.3	175.5	28,700	42.6	179.8	29,900	155
158	24.3	152.0	25,200	30.9	163.8	26,600	36.2	171.5	28,100	40.7	176.3	29,300	158
160	22.3	147.7	24,900	29.3	160.5	26,200	34.8	168.8	27,700	39.5	174.0	28,900	160
162	19.8	141.9	24,600	27.5	156.6	25,900	33.3	165.7	27,300	38.1	171.4	28,500	162
165	16.1	133.3	24,100	24.8	150.7	25,300	31.1	161.0	26,700	36.2	167.6	27,800	165
170	4.7	106.0	23,100	19.3	138.3	24,500	26.8	152.0	25,800	32.5	160.3	26,700	170
175				11.7	120.3	24,000	21.9	141.0	24,900	28.5	151.8	25,700	175
177				6.5	107.8	23,900	19.3	135.0	24,600	26.6	147.7	25,300	177
180							15.5	126.2	24,200	23.8	141.6	24,700	180
185							1.9	93.4	23,800	18.1	128.6	23,800	185
190										9.6	108.3	22,900	190
191										6.7	101.3	22,700	191

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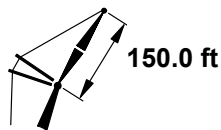
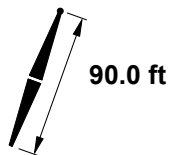
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	75.9	243.5	45,700 b							47
50	74.7	242.7	45,100 b							50
55	72.7	241.3	44,300							55
60	70.7	239.6	43,400							60
65	68.7	237.8	41,800							65
67	67.8	236.9	41,000	71.0	239.1	43,800				67
70	66.6	235.7	40,000	69.8	238.0	42,900				70
75	64.5	233.4	38,200	67.8	236.1	41,200				75
79	62.8	231.4	36,900	66.1	234.4	39,800	68.0	235.5	41,200	79
80	62.4	230.9	36,500	65.7	233.9	39,400	67.6	235.1	40,900	80
85	60.2	228.2	35,000	63.6	231.5	37,800	65.5	232.9	39,200	85
90	57.9	225.2	33,400	61.4	228.9	36,100	63.4	230.6	37,600	90
95	55.7	221.9	32,000	59.2	226.1	34,600	61.3	227.9	36,000	95
99	53.8	219.1	30,800	57.4	223.6	33,400	59.5	225.6	34,900	99
100	53.3	218.3	30,500	57.0	223.0	33,100	59.0	225.1	34,600	100
105	50.9	214.5	29,200	54.6	219.6	31,600	56.8	221.9	33,000	105
110	48.4	210.2	27,900	52.3	215.9	30,200	54.5	218.5	31,600	110
115	45.8	205.6	26,700	49.8	211.8	28,900	52.1	214.8	30,300	115
118	44.1	202.5	25,900	48.3	209.2	28,100	50.6	212.3	29,500	118
120	43.1	200.5	25,500	47.3	207.4	27,600	49.6	210.7	28,900	120
125	40.2	194.8	24,300	44.6	202.6	26,400	47.1	206.3	27,600	125
130	37.1	188.6	23,300	41.8	197.2	25,200	44.4	201.4	26,400	130
135	33.8	181.6	22,400	38.9	191.4	24,100	41.6	196.0	25,300	135
136	33.1	180.0	22,200	38.2	190.0	23,900	41.0	194.8	25,100	136
140	30.2	173.6	21,400	35.7	184.8	23,100	38.6	190.1	24,200	140
145	26.2	164.2	20,500	32.3	177.4	22,100	35.5	183.5	23,100	145
150	21.5	152.9	19,700	28.5	168.9	21,200	32.0	176.0	22,100	150
153	17.8	143.9	19,400	25.9	162.8	20,700	29.8	170.8	21,600	153
155	15.4	137.9	19,100	24.2	158.8	20,400	28.2	167.4	21,300	155
160	4.1	108.9	16,500	19.0	146.2	19,600	23.9	157.2	20,400	160
165				11.9	128.1	19,100	18.6	144.3	19,700	165
168				3.0	105.0	17,600	14.2	133.0	19,300	168
170							11.2	125.5	19,100	170
172							6.1	112.3	19,000	172
175										175
180										180
185										185
187										187
190										190
195										195
200										200
201										201

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ASME B30.5



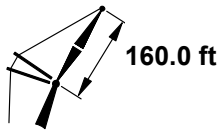
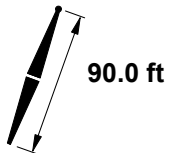
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
60													60
65													65
67													67
70													70
75													75
79													79
80													80
85													85
90													90
95													95
99	62.8	228.0	36,800										99
100	62.4	227.4	36,500										100
105	60.2	224.7	35,100										105
110	58.0	221.7	33,700										110
115	55.7	218.5	32,300										115
118	54.3	216.3	31,500	57.7	218.8	33,000							118
120	53.4	214.9	30,900	56.8	217.5	32,500							120
125	50.9	211.0	29,600	54.5	214.1	31,200							125
130	48.4	206.8	28,300	52.1	210.4	30,000							130
135	45.8	202.1	27,100	49.7	206.3	28,800							135
136	45.3	201.1	26,900	49.1	205.4	28,600	52.7	208.1	29,800				136
140	43.1	197.0	25,900	47.1	201.9	27,600	50.7	204.9	29,000				140
145	40.2	191.4	24,800	44.4	197.0	26,500	48.2	200.7	27,800				145
150	37.2	185.2	23,800	41.6	191.7	25,400	45.6	196.0	26,700				150
153	35.2	181.0	23,200	39.9	188.1	24,700	44.0	192.9	26,100	47.7	195.9	27,100	153
155	33.9	178.2	22,700	38.7	185.7	24,300	42.9	190.9	25,700	46.6	194.0	26,800	155
160	30.3	170.2	21,800	35.5	179.1	23,300	40.0	185.2	24,700	43.9	189.0	25,800	160
165	26.3	160.9	21,000	32.1	171.6	22,300	36.9	178.9	23,700	41.1	183.6	24,800	165
168	23.4	154.1	20,500	29.8	166.5	21,800	34.9	174.7	23,100	39.3	180.0	24,300	168
170	21.5	149.6	20,200	28.3	163.0	21,400	33.6	171.8	22,700	38.1	177.5	23,900	170
172	19.1	143.6	19,900	26.5	159.0	21,100	32.2	168.6	22,300	36.8	174.8	23,500	172
175	15.5	134.7	19,500	23.9	152.8	20,600	30.0	163.8	21,800	34.9	170.8	23,000	175
180	4.5	106.4	19,100	18.7	140.0	19,800	25.9	154.3	21,000	31.4	163.1	22,100	180
185				11.3	121.3	19,300	21.1	142.8	20,200	27.5	154.3	21,200	185
187				6.3	108.4	19,200	18.7	136.7	19,900	25.7	150.0	20,900	187
190							15.0	127.5	19,500	23.0	143.7	20,400	190
195							1.8	93.5	19,200	17.5	130.1	19,800	195
200										9.3	109.1	19,300	200
201										6.5	101.8	19,300	201

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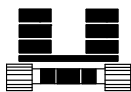
ASME B30.5



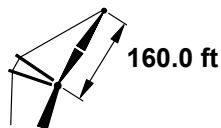
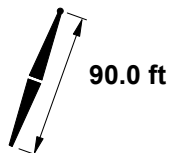
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49	76.0	253.3	42,300 b							49
50	75.7	253.1	42,100 b							50
55	73.8	251.7	41,200							55
60	71.9	250.2	40,000							60
65	70.0	248.4	38,200							65
70	68.1	246.5	36,600							70
71	67.7	246.1	36,200	70.7	248.3	38,900				71
75	66.2	244.4	34,900	69.2	246.8	37,600				75
80	64.2	242.1	33,300	67.3	244.8	35,900				80
83	63.0	240.6	32,400	66.1	243.5	35,000	67.9	244.7	36,300	83
85	62.2	239.6	31,800	65.3	242.6	34,400	67.1	243.9	35,700	85
90	60.2	236.8	30,300	63.3	240.2	32,800	65.2	241.7	34,200	90
95	58.1	233.9	28,800	61.3	237.6	31,300	63.2	239.2	32,700	95
100	55.9	230.6	27,500	59.3	234.8	29,900	61.2	236.6	31,200	100
104	54.2	227.8	26,400	57.6	232.3	28,800	59.5	234.3	30,100	104
105	53.8	227.1	26,100	57.2	231.7	28,500	59.1	233.7	29,800	105
110	51.5	223.3	24,900	55.0	228.3	27,100	57.0	230.6	28,400	110
115	49.2	219.1	23,700	52.8	224.6	25,800	54.8	227.2	27,000	115
120	46.8	214.6	22,500	50.5	220.7	24,500	52.6	223.6	25,800	120
123	45.3	211.7	21,800	49.1	218.1	23,800	51.2	221.2	25,100	123
125	44.3	209.7	21,400	48.1	216.4	23,400	50.3	219.6	24,600	125
130	41.6	204.3	20,400	45.7	211.7	22,200	48.0	215.2	23,400	130
135	38.9	198.4	19,400	43.1	206.6	21,200	45.5	210.5	22,200	135
140	35.9	191.9	18,500	40.4	201.0	20,100	42.9	205.4	21,200	140
142	34.6	188.9	18,100	39.3	198.5	19,700	41.9	203.1	20,800	142
145	32.7	184.5	17,600	37.6	194.8	19,100	40.2	199.8	20,100	145
150	29.2	176.2	16,800	34.5	188.0	18,200	37.4	193.5	19,200	150
155	25.3	166.5	16,000	31.2	180.2	17,400	34.3	186.6	18,200	155
159	21.7	157.1	15,400	28.3	173.1	16,700	31.7	180.4	17,600	159
160	20.8	154.8	15,200	27.6	171.4	16,600	31.0	178.8	17,400	160
165	14.9	139.2	14,300	23.4	160.9	15,800	27.3	169.9	16,600	165
170	4.0	109.2	13,500	18.4	147.8	14,900	23.1	159.2	15,800	170
175				11.5	129.1	14,000	18.0	145.9	14,900	175
178				2.9	105.3	13,500	13.7	134.2	14,300	178
180							10.8	126.5	13,900	180
182							5.9	112.8	13,700	182
185										185
190										190
195										195
197										197
200										200
205										205
210										210
211										211

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ASME B30.5



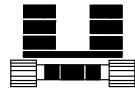
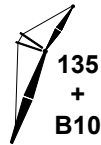
219,600 lb
+
80,000 lb



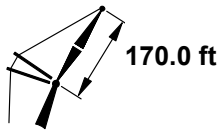
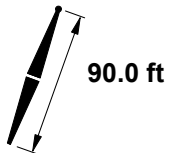
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
60													60
65													65
70													70
71													71
75													75
80													80
83													83
85													85
90													90
95													95
100													100
104	62.6	236.6	31,900										104
105	62.2	236.1	31,600										105
110	60.2	233.4	30,300										110
115	58.1	230.4	29,000										115
120	56.0	227.1	27,700										120
123	54.7	225.0	26,900	57.9	227.5	28,400							123
125	53.8	223.6	26,400	57.0	226.2	27,900							125
130	51.5	219.8	25,200	54.9	222.8	26,800							130
135	49.2	215.7	24,000	52.6	219.2	25,600							135
140	46.8	211.2	22,900	50.4	215.2	24,400							140
142	45.8	209.2	22,400	49.4	213.4	24,000	52.7	216.1	25,200				142
145	44.3	206.3	21,800	48.0	210.9	23,300	51.4	213.8	24,700				145
150	41.7	200.9	20,700	45.5	206.2	22,300	49.0	209.6	23,600				150
155	38.9	195.0	19,700	43.0	201.0	21,200	46.6	205.1	22,500				155
159	36.5	189.8	19,000	40.8	196.5	20,400	44.6	201.1	21,700	48.0	203.9	22,800	159
160	35.9	188.5	18,800	40.3	195.4	20,200	44.1	200.1	21,500	47.5	203.0	22,600	160
165	32.8	181.1	17,900	37.4	189.2	19,200	41.5	194.7	20,600	45.0	198.2	21,700	165
170	29.3	172.8	17,100	34.4	182.3	18,300	38.7	188.8	19,600	42.5	193.0	20,800	170
175	25.4	163.2	16,300	31.0	174.5	17,500	35.7	182.2	18,700	39.7	187.3	19,900	175
178	22.7	156.1	15,800	28.8	169.1	17,000	33.8	177.7	18,200	38.0	183.5	19,300	178
180	20.8	151.5	15,500	27.4	165.5	16,700	32.5	174.8	17,900	36.8	180.9	19,000	180
182	18.5	145.3	15,100	25.7	161.3	16,400	31.1	171.4	17,500	35.6	178.1	18,600	182
185	15.0	136.0	14,400	23.2	154.9	15,900	29.0	166.4	17,100	33.7	173.9	18,100	185
190	4.4	106.8	13,700	18.1	141.6	15,000	25.1	156.6	16,300	30.4	165.9	17,300	190
195				10.9	122.3	14,100	20.4	144.7	15,500	26.6	156.7	16,600	195
197				6.1	108.9	13,800	18.1	138.3	15,100	24.9	152.3	16,300	197
200							14.5	128.8	14,500	22.3	145.7	15,800	200
205							1.8	93.7	13,700	17.0	131.6	14,900	205
210										9.0	109.9	14,000	210
211										6.2	102.4	13,800	211

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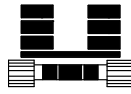
219,600 lb
+
80,000 lb



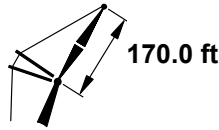
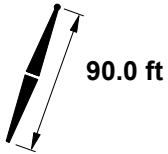
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	75.8	262.9	38,900							52
55	74.8	262.1	38,400							55
60	73.0	260.7	36,900							60
65	71.3	259.0	35,300							65
70	69.5	257.3	33,600							70
74	68.0	255.7	32,400	70.8	257.8	34,900				74
75	67.7	255.3	32,100	70.5	257.5	34,600				75
80	65.8	253.1	30,600	68.7	255.6	33,100				80
85	64.0	250.8	29,100	66.9	253.6	31,600				85
87	63.2	249.8	28,500	66.1	252.7	31,000	67.8	253.9	32,200	87
90	62.1	248.3	27,700	65.0	251.3	30,100	66.7	252.6	31,300	90
95	60.2	245.5	26,300	63.1	248.9	28,600	64.9	250.4	29,900	95
100	58.2	242.5	25,000	61.2	246.3	27,300	63.0	247.9	28,600	100
105	56.2	239.3	23,800	59.3	243.4	25,900	61.1	245.3	27,200	105
108	55.0	237.2	23,000	58.1	241.6	25,200	59.9	243.5	26,400	108
110	54.1	235.8	22,600	57.3	240.3	24,600	59.2	242.4	25,800	110
115	52.0	232.1	21,400	55.3	237.0	23,400	57.2	239.3	24,600	115
120	49.9	228.0	20,300	53.2	233.4	22,200	55.1	235.9	23,400	120
125	47.6	223.6	19,200	51.1	229.5	21,100	53.1	232.3	22,200	125
128	46.2	220.8	18,600	49.8	227.0	20,400	51.8	230.0	21,500	128
130	45.3	218.9	18,200	48.9	225.3	20,000	50.9	228.4	21,100	130
135	42.9	213.7	17,300	46.6	220.8	19,000	48.7	224.2	20,000	135
140	40.3	208.1	16,400	44.2	215.8	17,900	46.4	219.6	18,900	140
145	37.6	201.9	15,500	41.8	210.5	17,000	44.1	214.7	18,000	145
148	35.9	197.8	15,000	40.2	207.0	16,500	42.6	211.4	17,400	148
150	34.8	195.1	14,700	39.2	204.6	16,100	41.6	209.3	17,000	150
155	31.7	187.4	13,900	36.4	198.2	15,300	39.0	203.4	16,100	155
160	28.4	178.8	12,900	33.5	191.0	14,400	36.2	196.9	15,200	160
165	24.6	168.7	12,000	30.3	183.0	13,500	33.3	189.7	14,400	165
166	23.7	166.3	11,800	29.6	181.1	13,300	32.6	188.0	14,200	166
170	20.1	156.6	11,200	26.8	173.8	12,600	30.1	181.5	13,500	170
175	14.5	140.5	10,400	22.7	162.9	11,700	26.5	172.2	12,600	175
180	3.9	109.6	9,700	17.9	149.4	10,800	22.4	161.3	11,700	180
185				11.1	130.1	10,000	17.5	147.5	10,800	185
188				2.8	105.5	9,700	13.3	135.4	10,400	188
190							10.5	127.4	10,100	190
192							5.7	113.3	9,800	192
195										195
200										200
207										207
210										210
215										215
220										220
221										221

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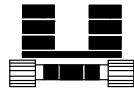
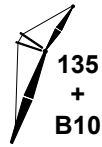
219,600 lb
+
80,000 lb



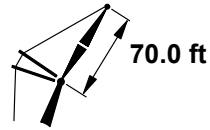
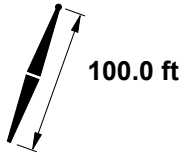
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
52													52
55													55
60													60
65													65
70													70
74													74
75													75
80													80
85													85
87													87
90													90
95													95
100													100
105													105
108	62.9	245.8	28,100										108
110	62.1	244.8	27,600										110
115	60.2	242.0	26,400										115
120	58.2	239.1	25,100										120
125	56.2	235.8	23,900										125
128	55.0	233.7	23,200	58.0	236.1	24,700							128
130	54.2	232.4	22,800	57.2	234.9	24,200							130
135	52.1	228.6	21,700	55.2	231.5	23,100							135
140	49.9	224.5	20,600	53.1	227.9	22,000							140
145	47.6	220.2	19,500	51.0	224.0	21,000							145
148	46.2	217.3	18,900	49.6	221.5	20,300	52.7	224.1	21,500				148
150	45.3	215.4	18,500	48.7	219.8	19,900	51.9	222.6	21,100				150
155	42.9	210.3	17,600	46.5	215.2	18,900	49.7	218.5	20,200				155
160	40.4	204.6	16,600	44.1	210.3	18,000	47.5	214.1	19,200				160
165	37.7	198.5	15,700	41.6	204.9	17,100	45.1	209.3	18,300				165
166	37.1	197.1	15,600	41.1	203.7	16,900	44.6	208.3	18,100	47.9	211.1	19,100	166
170	34.8	191.6	15,000	39.0	199.0	16,200	42.7	204.1	17,400	46.0	207.3	18,400	170
175	31.8	184.0	14,100	36.3	192.5	15,300	40.2	198.4	16,500	43.6	202.3	17,600	175
180	28.4	175.4	13,100	33.3	185.3	14,500	37.5	192.2	15,700	41.1	196.8	16,700	180
185	24.6	165.4	12,200	30.1	177.2	13,600	34.6	185.3	14,900	38.5	190.8	15,900	185
188	22.0	158.1	11,700	28.0	171.6	13,000	32.8	180.7	14,400	36.8	186.9	15,400	188
190	20.2	153.3	11,300	26.5	167.9	12,700	31.5	177.7	14,100	35.7	184.2	15,100	190
192	18.0	146.9	10,900	24.9	163.5	12,300	30.2	174.2	13,700	34.5	181.3	14,800	192
195	14.6	137.3	10,500	22.5	156.9	11,800	28.1	168.9	13,100	32.7	176.9	14,400	195
200	4.3	107.1	9,800	17.5	143.2	10,900	24.3	158.8	12,200	29.4	168.6	13,500	200
207				5.9	109.4	9,800	17.1	138.7	11,000	24.0	153.9	12,200	207
210							14.0	130.0	10,500	21.6	147.6	11,700	210
215							1.7	93.8	9,800	16.4	133.1	10,800	215
220										8.7	110.7	10,000	220
221										6.1	102.9	9,900	221

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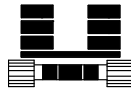
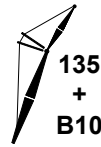
219,600 lb
+
80,000 lb



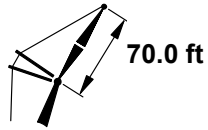
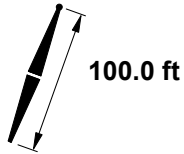
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
28	75.7	175.9	111,900 d							28
30	74.0	175.3	111,800 d							30
35	69.7	173.7	111,700 d							35
40	65.3	171.6	107,600 c							40
43	62.5	170.1	104,400 c	70.3	173.1	115,700 c				43
45	60.7	169.1	102,400 c	68.6	172.3	113,300 c				45
50	55.9	166.0	97,800 b	64.1	170.1	107,700 b				50
51	54.9	165.3	97,000 b	63.2	169.6	106,700 b	67.8	171.1	112,500 c	51
55	50.8	162.3	93,800 b	59.5	167.5	102,800 b	64.2	169.3	108,300 b	55
60	45.3	157.8	88,600 b	54.6	164.2	98,400 b	59.6	166.7	103,500 b	60
65	39.2	152.3	79,600	49.4	160.3	94,500	54.7	163.4	99,200 b	65
70	32.2	145.3	72,200	43.7	155.6	86,100	49.6	159.5	93,500	70
75	23.4	135.8	63,300	37.4	149.7	77,500	43.9	154.8	86,400	75
79	11.3	121.7	50,700	31.5	143.7	71,800	38.9	150.2	79,500	79
80	8.3	118.2	47,600	30.1	142.2	70,400	37.7	149.0	77,800	80
85				20.5	131.6	63,700	30.3	141.6	70,600	85
89				6.3	114.8	49,300	22.7	133.3	65,800	89
90							20.8	131.2	64,600	90
92							14.1	123.2	58,400	92
94							7.4	115.3	52,200	94
95										95
100										100
103										103
104										104
105										105
110										110
111										111
115										115
119										119
120										120
125										125
126										126

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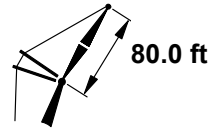
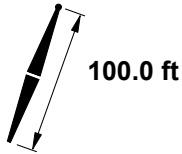
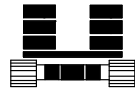
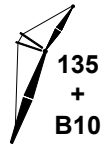
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
28													28
30													30
35													35
40													40
43													43
45													45
50													50
51													51
55													55
60													60
65	62.9	166.5	100,600 b										65
70	58.1	163.7	92,800 b										70
75	53.2	160.2	85,300 b										75
79	48.9	156.9	80,100 b	57.4	160.4	77,000 b							79
80	47.9	156.1	78,800	56.5	159.7	75,900 b							80
85	42.1	151.1	73,200	51.4	156.1	70,500							85
89	36.9	146.1	69,200	47.0	152.6	66,700							89
90	35.6	144.9	68,300	45.9	151.7	65,700							90
92	32.4	141.7	66,500	43.5	149.5	64,100	52.4	153.3	61,600				92
94	29.3	138.4	64,800	41.1	147.4	62,400	50.3	151.7	60,000				94
95	27.8	136.8	63,900	39.9	146.3	61,500	49.2	150.9	59,200				95
100	17.0	124.7	59,900	33.0	139.5	57,800	43.6	146.1	55,600				100
103	2.3	107.0	51,700	27.9	134.1	55,800	39.8	142.6	53,700				103
104				26.2	132.3	55,100	38.5	141.4	53,000	47.8	145.5	51,000	104
105				24.5	130.4	54,400	37.3	140.3	52,400	46.7	144.6	50,400	105
110				11.1	114.9	51,300	29.9	132.7	49,500	40.7	139.3	47,600	110
111				5.5	108.0	50,600	27.9	130.6	48,900	39.4	138.0	47,100	111
115							20.2	122.0	46,800	34.0	132.8	45,000	115
119							5.3	104.4	44,700	27.4	125.8	43,100	119
120										25.8	124.1	42,700	120
125										13.6	110.1	40,500	125
126										9.4	105.1	40,000	126

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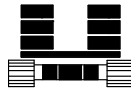
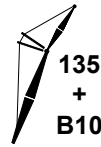
ASME B30.5



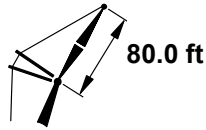
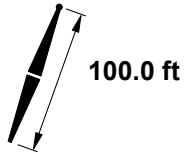
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	75.3	185.4	102,400 d						31	
35	72.4	184.3	102,100 d						35	
40	68.6	182.5	99,300 c						40	
45	64.6	180.3	94,500 c						45	
46	63.8	179.8	93,600 c	70.6	182.6	103,400 c			46	
50	60.6	177.8	90,100 b	67.5	181.1	99,500 b			50	
55	56.4	174.7	86,200 b	63.6	178.8	94,900 b	67.7	180.3	99,700 b	55
60	52.0	171.1	82,600 b	59.5	176.1	90,700 b	63.7	178.0	95,300 b	60
65	47.3	166.8	79,500	55.3	172.9	86,800	59.7	175.3	91,300 b	65
70	42.2	161.8	72,100	50.8	169.1	83,400	55.4	172.1	87,600	70
75	36.6	155.7	65,800	46.0	164.7	77,500	50.9	168.4	84,100	75
80	30.0	148.1	60,400	40.8	159.4	70,300	46.2	164.0	77,700	80
84	23.5	139.9	56,200	36.1	154.3	65,500	42.0	159.8	72,000	84
85	21.8	137.8	55,100	34.9	153.0	64,300	41.0	158.7	70,600	85
90	7.8	118.9	42,000	28.1	144.8	59,200	35.1	152.3	64,500	90
95				19.1	133.4	54,600	28.3	144.2	59,300	95
98				9.2	119.9	46,400	23.0	137.5	56,600	98
99				5.9	115.4	43,700	21.3	135.2	55,700	99
100							19.5	133.0	54,800	100
104							6.9	115.9	46,400	104
105										105
110										110
111										111
113										113
115										115
120										120
121										121
125										125
129										129
130										130
135										135
136										136

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ASME B30.5



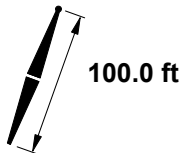
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31													31
35													35
40													40
45													45
46													46
50													50
55													55
60													60
65													65
70	62.5	175.2	92,500 b										70
75	58.4	172.3	85,000										75
80	54.1	169.0	78,500										80
84	50.4	165.8	74,000	57.8	169.0	71,100							84
85	49.5	165.0	72,900	56.9	168.4	70,100							85
90	44.6	160.4	68,000	52.5	164.9	65,400							90
95	39.3	154.8	63,700	47.9	160.7	61,200							95
98	35.6	150.7	61,300	44.8	157.7	59,000	52.5	161.3	56,600				98
99	34.4	149.4	60,600	43.8	156.7	58,300	51.6	160.5	56,000				99
100	33.2	148.0	59,800	42.8	155.8	57,500	50.7	159.8	55,300				100
104	27.4	140.9	57,000	38.4	151.0	54,800	46.8	156.2	52,700				104
105	25.9	139.2	56,300	37.3	149.8	54,200	45.9	155.3	52,100				105
110	15.9	126.1	53,100	30.9	142.4	51,200	40.7	150.0	49,200				110
111	11.3	119.8	50,800	29.3	140.4	50,600	39.5	148.7	48,600	47.5	152.6	46,700	111
113	2.1	107.2	46,100	26.1	136.5	49,500	37.1	146.1	47,600	45.5	150.7	45,700	113
115				22.9	132.5	48,400	34.8	143.5	46,500	43.5	148.7	44,700	115
120				10.4	115.8	45,800	27.9	135.3	44,100	38.0	142.9	42,400	120
121				5.1	108.5	45,300	26.1	133.0	43,700	36.7	141.5	42,000	121
125							18.9	123.7	41,900	31.7	135.7	40,300	125
129							5.0	104.8	40,100	25.6	128.2	38,700	129
130										24.1	126.3	38,300	130
135										12.7	111.2	36,500	135
136										8.8	105.9	36,100	136

MLC250 S-3

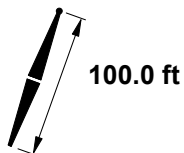
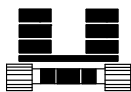
ASME B30.5



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
33	75.7	195.3	92,700 d							33
35	74.4	194.7	92,500 d							35
40	71.0	193.2	89,500 c							40
45	67.6	191.3	85,200 c							45
49	64.8	189.5	82,100 c	70.8	192.2	90,200 c				49
50	64.1	189.0	81,300 b	70.1	191.8	89,400 b				50
55	60.5	186.4	77,700 b	66.7	189.8	85,400 b				55
59	57.6	184.0	75,000 b	63.9	188.0	82,500 b	67.5	189.4	86,300 b	59
60	56.8	183.4	74,400 b	63.2	187.5	81,700 b	66.8	189.0	85,700 b	60
65	52.9	179.9	71,400	59.6	184.8	78,200	63.3	186.7	82,100 b	65
70	48.8	175.8	68,600	55.8	181.6	75,000	59.7	184.0	78,700	70
74	45.3	172.0	66,300	52.7	178.7	72,700	56.7	181.5	76,200	74
75	44.4	171.1	65,800	51.9	178.0	72,100	55.9	180.8	75,600	75
80	39.7	165.5	60,400	47.7	173.7	69,300	52.0	177.2	72,700	80
85	34.4	158.9	55,800	43.2	168.8	64,300	47.8	173.0	70,100	85
89	29.5	152.3	52,500	39.3	164.2	60,200	44.3	169.1	65,600	89
90	28.3	150.7	51,700	38.4	163.0	59,100	43.4	168.1	64,500	90
95	20.6	139.7	47,900	32.9	156.0	54,700	38.5	162.3	59,300	95
100	7.4	119.6	37,500	26.5	147.3	50,800	33.1	155.4	54,800	100
104				19.7	137.5	47,800	28.0	148.4	51,700	104
105				18.0	135.0	47,100	26.7	146.7	50,900	105
109				5.5	115.9	39,100	20.0	137.0	48,000	109
110							18.4	134.6	47,300	110
114							6.5	116.5	41,600	114
115										115
118										118
120										120
123										123
125										125
130										130
131										131
135										135
139										139
140										140
145										145
146										146

MLC250 S-3

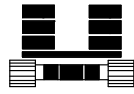
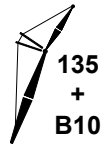
ASME B30.5



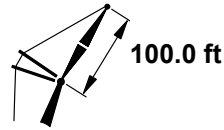
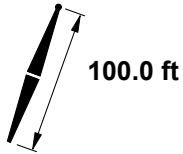
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
35													35
40													40
45													45
49													49
50													50
55													55
59													59
60													60
65													65
70													70
74	62.9	184.3	81,400										74
75	62.2	183.8	80,700										75
80	58.6	181.0	77,800										80
85	54.8	177.7	72,700										85
89	51.6	174.7	68,800	58.0	177.7	66,100							89
90	50.8	173.9	67,900	57.3	177.1	65,200							90
95	46.5	169.5	63,500	53.4	173.6	61,000							95
100	41.9	164.4	59,700	49.3	169.6	57,300							100
104	37.9	159.5	56,900	45.8	165.9	54,700	52.6	169.3	52,500				104
105	36.9	158.3	56,200	45.0	165.0	54,000	51.8	168.6	51,900				105
109	32.4	152.4	53,700	41.2	160.6	51,600	48.4	165.2	49,600				109
110	31.3	150.9	53,100	40.3	159.5	51,000	47.6	164.3	49,000				110
114	25.8	143.3	50,500	36.1	154.4	48,900	44.0	160.4	46,900				114
115	24.4	141.4	49,800	35.0	153.1	48,300	43.1	159.4	46,400				115
118	18.8	133.0	47,700	31.4	148.3	46,800	40.2	155.9	45,000	47.3	159.8	43,100	118
120	15.0	127.4	46,300	29.0	145.1	45,800	38.2	153.6	44,000	45.5	157.9	42,200	120
123	2.0	107.4	41,500	24.6	138.7	44,500	34.9	149.3	42,700	42.7	154.7	41,000	123
125				21.6	134.5	43,500	32.7	146.5	41,800	40.9	152.6	40,100	125
130				9.8	116.7	41,400	26.3	137.7	39,800	35.7	146.2	38,200	130
131				4.8	108.9	40,900	24.6	135.2	39,400	34.6	144.7	37,800	131
135							17.8	125.4	37,900	29.9	138.5	36,400	135
139							4.7	105.2	36,400	24.1	130.4	35,100	139
140										22.7	128.3	34,700	140
145										11.9	112.3	33,200	145
146										8.3	106.7	32,800	146

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



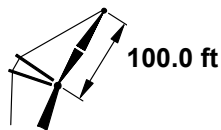
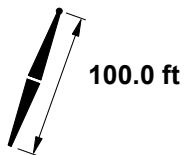
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	76.0	205.1	83,900 d						35	
40	73.0	203.7	81,700 c						40	
45	70.0	202.0	77,700 c						45	
50	66.9	200.0	74,000 b						50	
52	65.6	199.1	72,600 b	71.0	201.7	79,700 b			52	
55	63.7	197.7	70,600 b	69.2	200.6	77,600 b			55	
60	60.5	195.1	67,400	66.1	198.6	74,100			60	
62	59.2	193.9	66,200	64.8	197.6	72,800	68.0	199.0	76,200 b	
65	57.1	192.0	64,500	62.9	196.2	70,800	66.2	197.7	74,300	
70	53.7	188.6	61,700	59.6	193.4	67,800	63.0	195.4	71,100	
75	50.0	184.7	59,200	56.2	190.3	64,900	59.7	192.6	68,100	
79	46.9	181.1	57,300	53.4	187.4	62,700	57.0	190.1	65,900	
80	46.2	180.2	56,800	52.7	186.7	62,100	56.3	189.5	65,300	
85	42.1	175.0	54,700	49.0	182.7	59,700	52.8	186.0	62,600	
90	37.6	169.0	51,900	45.1	178.0	57,400	49.1	181.9	60,200	
95	32.6	161.9	48,300	40.9	172.6	54,900	45.2	177.3	57,900	
100	26.8	153.1	45,100	36.3	166.4	50,900	41.1	171.9	55,100	
105	19.5	141.4	41,900	31.2	158.9	47,400	36.5	165.7	51,100	
110	7.0	120.2	33,200	25.1	149.5	44,300	31.3	158.3	47,600	
115				17.1	136.6	41,200	25.3	149.0	44,400	
119				5.3	116.3	34,700	19.0	138.7	42,000	
120							17.4	136.2	41,400	
124							6.2	117.0	36,900	
125									125	
130									130	
133									133	
135									135	
140									140	
141									141	
145									145	
149									149	
150									150	
155									155	
156									156	

MLC250 S-3

ASME B30.5



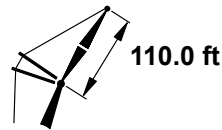
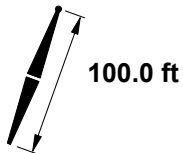
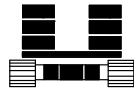
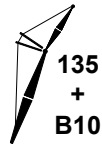
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
52													52
55													55
60													60
62													62
65													65
70													70
75													75
79	62.7	193.0	70,400										79
80	62.0	192.5	69,900										80
85	58.7	189.6	67,300										85
90	55.3	186.4	64,700										90
95	51.7	182.7	62,200	57.5	185.8	60,700							95
100	48.0	178.5	59,400	54.1	182.4	57,000							100
105	44.0	173.7	56,000	50.4	178.5	53,700							105
110	39.7	168.1	52,900	46.6	174.1	50,700	52.6	177.3	48,600				110
115	35.0	161.5	50,000	42.5	169.0	48,000	48.9	173.3	46,000				115
119	30.7	155.2	47,300	39.0	164.3	46,000	45.8	169.5	44,100				119
120	29.6	153.6	46,600	38.1	163.1	45,500	45.0	168.6	43,700				120
124	24.4	145.5	44,200	34.2	157.5	43,700	41.6	164.3	41,900	47.9	167.9	40,200	124
125	23.2	143.5	43,600	33.2	156.1	43,300	40.8	163.2	41,500	47.1	166.9	39,800	125
130	14.2	128.7	40,600	27.5	147.6	41,200	36.2	156.9	39,500	43.1	162.0	37,800	130
133	1.9	107.5	37,000	23.3	140.9	40,000	33.1	152.4	38,400	40.4	158.5	36,800	133
135				20.5	136.4	39,300	31.0	149.4	37,700	38.7	156.2	36,100	135
140				9.3	117.6	37,400	24.9	140.0	36,000	33.9	149.4	34,500	140
141				4.6	109.3	37,000	23.3	137.4	35,600	32.7	147.7	34,100	141
145							16.9	126.9	34,300	28.3	141.1	32,900	145
149							4.5	105.6	33,100	22.8	132.4	31,800	149
150										21.5	130.3	31,500	150
155										11.3	113.3	30,100	155
156										7.9	107.4	29,800	156

MLC250 S-3

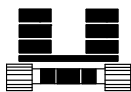
ASME B30.5



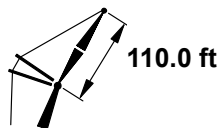
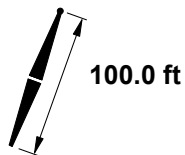
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	75.7	214.6	76,800 c							38
40	74.6	214.1	75,700 c							40
45	71.9	212.6	72,700 c							45
50	69.1	210.8	69,700 b							50
55	66.3	208.7	67,000 b							55
56	65.7	208.3	66,500 b	70.6	210.9	72,000 b				56
60	63.4	206.4	64,400 b	68.4	209.4	69,800				60
65	60.4	203.7	61,900	65.5	207.3	67,300				65
66	59.8	203.1	61,400	64.9	206.8	66,800	67.9	208.2	69,300	66
70	57.4	200.7	59,500	62.6	204.8	64,800	65.6	206.5	67,400	70
75	54.3	197.3	57,200	59.7	202.1	62,300	62.7	204.0	65,000	75
80	51.0	193.5	54,900	56.6	199.0	59,800	59.8	201.3	62,600	80
83	48.9	190.9	53,700	54.7	196.9	58,400	57.9	199.4	61,100	83
85	47.5	189.2	52,800	53.4	195.5	57,400	56.7	198.2	60,100	85
90	43.9	184.3	50,800	50.1	191.5	55,200	53.5	194.7	57,800	90
95	40.0	178.8	48,700	46.6	187.1	53,200	50.2	190.8	55,600	95
100	35.8	172.3	45,300	42.9	182.0	51,200	46.7	186.4	53,600	100
105	31.0	164.7	42,200	38.9	176.3	47,900	43.0	181.3	51,600	105
110	25.5	155.5	39,500	34.6	169.6	44,600	39.1	175.6	48,000	110
115	18.6	143.1	35,800	29.7	161.6	41,600	34.7	168.9	44,700	115
116	16.2	138.6	34,200	28.5	159.6	41,100	33.7	167.3	44,100	116
120	6.6	120.8	27,600	23.9	151.7	38,900	29.8	161.0	41,800	120
125				16.3	138.0	36,400	24.1	151.2	39,100	125
129				5.0	116.8	29,000	18.1	140.4	37,000	129
130							16.6	137.7	36,500	130
131							13.9	132.7	35,100	131
134							5.9	117.6	30,900	134
135										135
140										140
143										143
145										145
150										150
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155										155
159										159
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165										165
166										166

MLC250 S-3

ASME B30.5



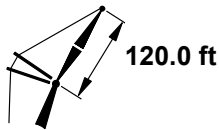
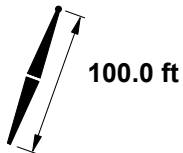
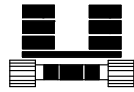
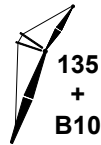
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
50													50
55													55
56													56
60													60
65													65
66													66
70													70
75													75
80													80
83	63.0	202.2	64,600										83
85	61.8	201.2	63,800										85
90	58.8	198.3	61,600										90
95	55.7	195.1	59,400										95
100	52.5	191.5	57,200	57.8	194.4	57,000							100
105	49.2	187.4	55,200	54.6	191.1	53,700							105
110	45.6	182.8	52,800	51.4	187.3	50,700							110
115	41.8	177.6	50,000	47.9	183.1	48,000							115
116	41.0	176.4	49,500	47.2	182.1	47,500	52.7	185.3	45,500				116
120	37.8	171.6	47,100	44.3	178.3	45,500	50.0	182.1	43,600				120
125	33.3	164.6	43,900	40.5	172.8	43,300	46.5	177.7	41,500				125
129	29.2	157.9	41,600	37.1	167.7	41,700	43.6	173.6	39,900				129
130	28.2	156.2	41,000	36.3	166.5	41,200	42.8	172.6	39,500				130
131	27.0	154.0	40,500	35.3	165.0	40,900	42.0	171.5	39,100	47.7	175.0	37,500	131
134	23.3	147.6	38,900	32.5	160.5	39,700	39.6	168.0	38,100	45.5	172.1	36,400	134
135	22.1	145.5	38,400	31.6	159.0	39,300	38.8	166.8	37,700	44.8	171.2	36,100	135
140	13.5	129.9	35,900	26.2	150.0	37,600	34.5	160.1	36,000	41.0	165.8	34,500	140
143	1.8	107.7	31,100	22.2	142.9	36,600	31.5	155.3	35,100	38.5	162.1	33,600	143
145				19.5	138.1	35,900	29.5	152.1	34,400	36.8	159.6	33,000	145
150				8.9	118.4	34,300	23.7	142.1	33,000	32.2	152.3	31,500	150
151				4.4	109.7	34,000	22.2	139.4	32,700	31.2	150.6	31,300	151
155							16.1	128.3	31,600	27.0	143.5	30,200	155
159							4.2	106.0	30,400	21.8	134.4	29,200	159
160										20.5	132.1	29,000	160
165										10.8	114.3	27,800	165
166										7.5	108.1	27,500	166

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ASME B30.5



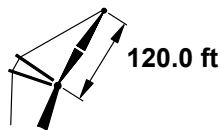
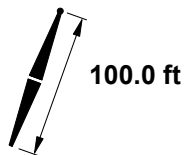
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	75.9	224.4	70,000 c							40
45	73.4	223.1	67,400 b							45
50	70.9	221.4	64,600 b							50
55	68.4	219.6	61,900							55
59	66.3	217.9	59,800	70.7	220.5	64,900				59
60	65.8	217.5	59,300	70.2	220.1	64,400				60
65	63.1	215.1	57,000	67.7	218.2	62,000				65
70	60.4	212.4	54,700	65.1	216.0	59,600	67.8	217.3	61,900	70
75	57.6	209.4	52,500	62.4	213.5	57,300	65.2	215.2	59,600	75
80	54.8	206.0	50,400	59.7	210.8	55,000	62.5	212.7	57,400	80
85	51.8	202.3	48,500	56.9	207.7	52,800	59.8	210.0	55,200	85
88	49.9	199.8	47,300	55.1	205.6	51,600	58.1	208.1	54,000	88
90	48.7	198.1	46,600	54.0	204.2	50,800	57.0	206.9	53,200	90
95	45.4	193.5	44,700	51.0	200.4	48,700	54.1	203.4	51,100	95
100	41.9	188.2	43,000	47.8	196.1	46,800	51.1	199.6	49,000	100
105	38.2	182.3	41,400	44.5	191.3	44,900	47.9	195.3	47,100	105
110	34.2	175.5	39,500	41.0	185.9	43,200	44.6	190.6	45,200	110
115	29.7	167.5	37,000	37.2	179.7	41,600	41.1	185.2	43,500	115
120	24.4	157.7	34,800	33.1	172.6	38,900	37.3	179.0	41,700	120
122	21.8	152.5	33,500	31.2	169.2	38,000	35.7	176.2	40,700	122
125	17.8	144.7	31,600	28.4	164.2	36,500	33.2	172.0	39,100	125
130	6.4	121.3	24,500	22.9	153.8	34,300	28.5	163.6	36,700	130
135				15.6	139.4	32,200	23.1	153.3	34,400	135
138				7.5	122.8	27,400	18.7	144.8	33,200	138
139				4.8	117.2	25,800	17.3	141.9	32,700	139
140							15.9	139.1	32,300	140
144							5.6	118.1	27,600	144
145										145
150										150
153										153
155										155
160										160
161										161
165										165
169										169
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175										175
176										176

MLC250 S-3

ASME B30.5



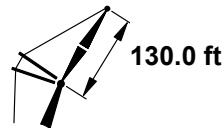
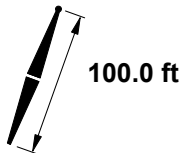
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
59													59
60													60
65													65
70													70
75													75
80													80
85													85
88	62.8	210.9	57,000										88
90	61.7	209.8	56,200										90
95	58.9	207.0	54,300										95
100	56.1	203.8	52,400										100
105	53.2	200.2	50,500	58.0	203.1	52,800							105
110	50.1	196.3	48,500	55.1	199.8	50,300							110
115	46.9	191.9	46,700	52.1	196.1	47,700							115
120	43.6	186.9	44,900	49.0	192.0	45,200							120
122	42.1	184.7	44,200	47.7	190.1	44,300	52.7	193.3	42,400				122
125	40.0	181.3	43,200	45.8	187.4	43,000	50.9	191.0	41,100				125
130	36.1	174.9	41,000	42.4	182.2	40,900	47.7	186.7	39,200				130
135	31.8	167.5	38,400	38.7	176.4	39,000	44.4	181.9	37,400				135
138	28.9	162.2	37,000	36.3	172.3	38,000	42.3	178.6	36,300	47.5	182.2	34,700	138
139	27.9	160.4	36,500	35.5	171.0	37,600	41.6	177.5	36,000	46.9	181.2	34,400	139
140	27.0	158.6	36,000	34.7	169.7	37,300	40.9	176.4	35,700	46.2	180.3	34,100	140
144	22.3	149.7	34,300	31.1	163.4	36,000	37.9	171.5	34,400	43.5	176.2	32,900	144
145	21.1	147.4	33,900	30.2	161.8	35,700	37.1	170.3	34,100	42.8	175.2	32,600	145
150	13.0	131.1	31,800	25.1	152.3	34,100	33.0	163.1	32,700	39.2	169.4	31,200	150
153	1.7	107.8	27,800	21.2	144.8	33,300	30.1	158.1	31,800	36.8	165.5	30,400	153
155				18.7	139.8	32,700	28.3	154.7	31,300	35.2	162.8	29,900	155
160				8.5	119.1	31,100	22.7	144.2	30,000	30.8	155.1	28,700	160
161				4.2	110.1	30,600	21.2	141.3	29,800	29.8	153.3	28,500	161
165							15.4	129.7	28,800	25.8	145.9	27,500	165
169							4.1	106.4	27,800	20.8	136.3	26,700	169
170										19.6	133.9	26,400	170
175										10.3	115.2	25,400	175
176										7.2	108.7	25,200	176

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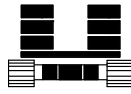
ASME B30.5



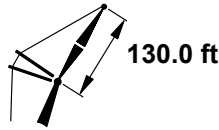
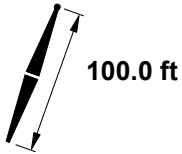
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43	75.6	234.0	52,400 b							43
45	74.7	233.5	51,900 b							45
50	72.4	232.0	50,800 b							50
55	70.1	230.3	49,800							55
60	67.7	228.4	48,700							60
62	66.8	227.5	48,300	70.9	230.0	50,800				62
65	65.3	226.2	47,800	69.5	228.9	50,300				65
70	62.9	223.8	46,800	67.1	226.9	49,500				70
74	60.9	221.6	45,500	65.2	225.1	48,800	67.7	226.5	49,500	74
75	60.4	221.1	45,200	64.7	224.7	48,700	67.2	226.1	49,300	75
80	57.8	218.1	43,400	62.2	222.2	47,100	64.8	223.9	48,700	80
85	55.2	214.7	41,700	59.7	219.4	45,200	62.3	221.4	47,100	85
90	52.4	211.1	40,000	57.1	216.3	43,400	59.8	218.6	45,300	90
92	51.3	209.5	39,400	56.1	215.0	42,800	58.8	217.4	44,600	92
95	49.6	207.0	38,500	54.5	212.9	41,800	57.2	215.6	43,600	95
100	46.6	202.6	37,000	51.7	209.2	40,100	54.5	212.2	41,900	100
105	43.5	197.6	35,600	48.8	205.0	38,600	51.8	208.4	40,300	105
110	40.2	192.0	34,300	45.8	200.4	37,100	48.9	204.3	38,800	110
111	39.5	190.7	34,000	45.2	199.4	36,800	48.3	203.4	38,500	111
115	36.7	185.7	33,100	42.7	195.3	35,700	45.9	199.7	37,300	115
120	32.8	178.5	31,900	39.3	189.5	34,400	42.8	194.6	35,900	120
125	28.5	170.1	30,900	35.7	183.0	33,200	39.4	188.8	34,600	125
128	25.5	163.9	30,300	33.3	178.5	32,500	37.3	184.9	33,800	128
130	23.5	159.8	29,900	31.7	175.5	32,000	35.8	182.3	33,400	130
135	17.1	146.2	28,300	27.2	166.7	31,000	31.9	174.9	32,200	135
140	6.1	121.9	22,000	22.0	155.8	30,100	27.4	166.1	31,200	140
144				16.4	143.8	29,200	23.2	157.4	30,500	144
145				15.0	140.8	29,000	22.1	155.3	30,300	145
149				4.6	117.6	23,300	16.6	143.4	29,300	149
150							15.3	140.5	29,100	150
154							5.4	118.6	24,900	154
155										155
160										160
163										163
165										165
170										170
171										171
175										175
179										179
180										180
185										185
186										186

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ASME B30.5



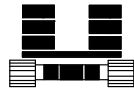
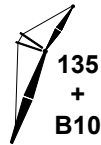
219,600 lb
+
80,000 lb



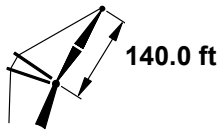
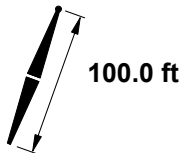
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43													43
45													45
50													50
55													55
60													60
62													62
65													65
70													70
74													74
75													75
80													80
85													85
90													90
92	63.0	220.1	47,100										92
95	61.5	218.5	46,100										95
100	59.0	215.6	44,500										100
105	56.4	212.5	43,000										105
110	53.7	209.0	41,400										110
111	53.2	208.2	41,100	57.6	211.1	43,000							111
115	50.9	205.1	39,900	55.5	208.5	41,900							115
120	48.0	200.8	38,400	52.8	204.9	40,500							120
125	45.0	196.1	37,000	49.9	200.9	39,200							125
128	43.1	192.9	36,200	48.2	198.2	38,300	52.7	201.3	39,700				128
130	41.8	190.8	35,700	47.0	196.4	37,800	51.6	199.8	38,900				130
135	38.4	184.9	34,400	43.9	191.5	36,400	48.8	195.6	37,100				135
140	34.7	178.1	33,200	40.6	186.0	35,200	45.8	191.0	35,500				140
144	31.4	171.9	32,300	37.8	181.0	34,200	43.2	186.9	34,200	48.0	190.2	32,700	144
145	30.6	170.3	32,100	37.1	179.8	34,000	42.6	185.9	33,900	47.4	189.3	32,400	145
149	26.8	162.8	31,300	34.0	174.1	33,100	39.9	181.2	32,800	44.9	185.4	31,300	149
150	25.9	161.0	31,000	33.3	172.7	32,900	39.2	180.1	32,500	44.3	184.4	31,000	150
154	21.4	151.6	30,400	29.9	166.1	32,000	36.3	174.8	31,400	41.7	180.1	30,000	154
155	20.3	149.2	30,200	29.0	164.4	31,800	35.6	173.5	31,100	41.0	179.0	29,700	155
160	12.5	132.2	28,600	24.1	154.4	30,800	31.6	166.0	29,900	37.6	172.9	28,500	160
163	1.7	108.0	25,200	20.4	146.6	30,200	28.9	160.7	29,100	35.3	168.7	27,800	163
165				17.9	141.4	29,900	27.1	157.1	28,700	33.8	165.9	27,400	165
170				8.2	119.8	28,000	21.8	146.2	27,500	29.6	157.8	26,300	170
171				4.0	110.5	27,600	20.4	143.1	27,300	28.6	155.9	26,100	171
175							14.8	131.0	26,500	24.8	148.1	25,300	175
179							3.9	106.7	25,600	20.0	138.1	24,500	179
180										18.8	135.6	24,300	180
185										9.9	116.1	23,400	185
186										6.9	109.3	23,200	186

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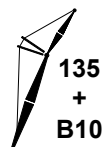
219,600 lb
+
80,000 lb



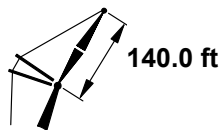
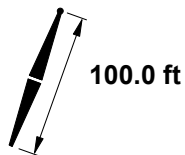
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	75.8	243.8	48,800 b							45
50	73.7	242.4	47,700 b							50
55	71.6	240.9	46,700							55
60	69.4	239.1	45,900							60
65	67.2	237.1	45,000	71.0	239.5	47,000				65
70	65.0	234.9	43,200	68.8	237.7	46,200				70
75	62.7	232.4	41,400	66.6	235.7	44,900				75
77	61.7	231.3	40,700	65.7	234.7	44,200	68.0	236.1	45,700	77
80	60.4	229.7	39,700	64.4	233.4	43,200	66.7	234.8	44,800	80
85	58.0	226.7	38,000	62.1	230.9	41,400	64.4	232.6	43,100	85
90	55.5	223.4	36,400	59.7	228.1	39,700	62.1	230.1	41,500	90
95	53.0	219.9	34,900	57.3	225.0	38,000	59.8	227.3	39,800	95
97	52.0	218.3	34,300	56.3	223.7	37,400	58.8	226.1	39,200	97
100	50.4	215.9	33,500	54.9	221.7	36,500	57.4	224.2	38,200	100
105	47.7	211.6	32,100	52.3	218.0	35,000	54.9	220.9	36,600	105
110	44.9	206.8	30,800	49.7	213.9	33,500	52.4	217.2	35,100	110
115	41.9	201.5	29,500	46.9	209.5	32,100	49.8	213.2	33,700	115
116	41.2	200.3	29,300	46.4	208.5	31,800	49.2	212.3	33,400	116
120	38.7	195.6	28,400	44.1	204.6	30,800	47.0	208.7	32,300	120
125	35.3	188.9	27,200	41.1	199.1	29,600	44.2	203.8	31,000	125
130	31.6	181.4	26,200	37.8	193.0	28,400	41.2	198.4	29,700	130
134	28.3	174.3	25,400	35.0	187.5	27,500	38.6	193.6	28,700	134
135	27.4	172.5	25,200	34.4	186.2	27,300	37.9	192.3	28,500	135
140	22.6	161.8	24,300	30.5	178.3	26,200	34.5	185.5	27,400	140
145	16.5	147.7	23,700	26.2	169.1	25,300	30.7	177.7	26,400	145
150	5.9	122.4	19,600	21.1	157.7	24,500	26.4	168.5	25,400	150
151				19.8	154.5	24,300	25.4	166.2	25,300	151
155				14.4	142.1	23,800	21.3	157.2	24,600	155
159				4.4	118.0	20,800	16.0	144.9	24,000	159
160							14.7	141.8	23,900	160
164							5.2	119.0	22,300	164
165										165
170										170
173										173
175										175
180										180
181										181
185										185
189										189
190										190
195										195
196										196

MLC250 S-3

ASME B30.5



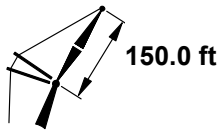
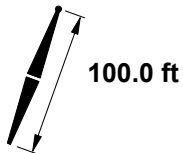
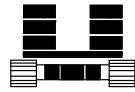
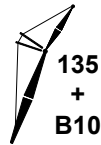
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
55													55
60													60
65													65
70													70
75													75
77													77
80													80
85													85
90													90
95													95
97	62.8	228.7	41,400										97
100	61.4	227.2	40,500										100
105	59.1	224.3	39,000										105
110	56.7	221.2	37,600										110
115	54.2	217.7	36,100										115
116	53.7	216.9	35,800	57.8	219.8	37,600							116
120	51.6	213.9	34,700	55.8	217.2	36,600							120
125	49.0	209.8	33,300	53.3	213.6	35,200							125
130	46.2	205.2	32,000	50.7	209.7	34,000							130
134	43.9	201.2	31,000	48.5	206.3	33,000	52.8	209.3	34,400				134
135	43.3	200.2	30,700	48.0	205.4	32,700	52.3	208.6	34,200				135
140	40.2	194.5	29,500	45.2	200.7	31,400	49.6	204.5	33,100				140
145	36.9	188.3	28,300	42.2	195.5	30,300	46.9	200.1	31,900				145
150	33.4	181.2	27,300	39.1	189.6	29,100	44.0	195.1	30,700				150
151	32.6	179.5	27,000	38.4	188.3	28,900	43.4	194.0	30,500	47.8	197.4	30,400	151
155	29.4	173.0	26,200	35.7	183.1	28,000	41.0	189.7	29,600	45.5	193.6	29,300	155
159	25.8	165.2	25,500	32.8	177.1	27,200	38.4	184.8	28,800	43.2	189.5	28,400	159
160	24.9	163.2	25,300	32.0	175.6	27,000	37.8	183.6	28,600	42.6	188.4	28,100	160
164	20.6	153.4	24,700	28.8	168.7	26,200	35.0	178.1	27,700	40.1	183.8	27,200	164
165	19.5	151.0	24,500	27.9	167.0	26,000	34.3	176.7	27,500	39.5	182.7	27,000	165
170	12.0	133.3	23,900	23.2	156.5	25,100	30.4	168.8	26,600	36.2	176.2	26,000	170
173	1.6	108.1	22,700	19.6	148.4	24,700	27.8	163.2	26,000	34.0	171.8	25,400	173
175				17.3	143.0	24,400	26.1	159.5	25,600	32.5	168.9	25,000	175
180				7.9	120.5	23,900	21.0	148.0	24,800	28.5	160.4	24,000	180
181				3.9	110.8	23,900	19.6	144.9	24,700	27.6	158.4	23,800	181
185							14.2	132.3	24,200	23.8	150.3	23,100	185
189							3.8	107.0	23,500	19.3	139.8	22,400	189
190										18.1	137.2	22,200	190
195										9.6	116.9	21,400	195
196										6.7	109.9	21,200	196

MLC250 S-3

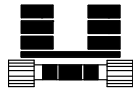
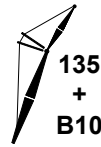
ASME B30.5



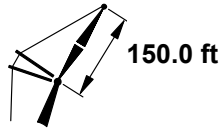
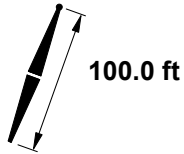
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47	76.0	253.6	45,300 b							47
50	74.8	252.8	44,700 b							50
55	72.8	251.4	43,800							55
60	70.8	249.7	43,000							60
65	68.8	247.9	41,700							65
69	67.1	246.2	40,300	70.7	248.7	43,300				69
70	66.7	245.8	39,900	70.3	248.4	43,100				70
75	64.6	243.6	38,200	68.3	246.5	41,400				75
80	62.5	241.1	36,600	66.2	244.4	39,800				80
81	62.1	240.5	36,300	65.8	243.9	39,400	67.9	245.3	40,900	81
85	60.3	238.4	35,000	64.1	242.1	38,100	66.3	243.6	39,700	85
90	58.1	235.4	33,500	61.9	239.5	36,500	64.1	241.3	38,100	90
95	55.8	232.1	32,000	59.7	236.7	35,000	62.0	238.7	36,500	95
100	53.5	228.6	30,600	57.5	233.7	33,400	59.8	235.9	35,000	100
102	52.5	227.0	30,000	56.6	232.3	32,800	58.9	234.7	34,400	102
105	51.1	224.7	29,200	55.2	230.4	32,000	57.6	232.9	33,500	105
110	48.6	220.5	28,000	52.9	226.7	30,500	55.3	229.6	32,000	110
115	46.0	215.9	26,700	50.4	222.8	29,200	52.9	226.0	30,700	115
120	43.3	210.8	25,600	47.9	218.4	27,900	50.5	222.0	29,400	120
121	42.7	209.7	25,300	47.4	217.5	27,600	50.0	221.1	29,100	121
125	40.4	205.2	24,400	45.3	213.7	26,700	48.0	217.7	28,100	125
130	37.3	199.0	23,400	42.5	208.5	25,500	45.4	213.0	26,900	130
135	34.1	192.1	22,400	39.6	202.8	24,400	42.6	207.8	25,700	135
140	30.5	184.1	21,500	36.5	196.4	23,300	39.7	202.1	24,500	140
145	26.5	174.9	20,600	33.2	189.2	22,400	36.6	195.7	23,500	145
150	21.8	163.8	19,800	29.5	181.0	21,400	33.3	188.6	22,500	150
155	15.9	149.1	19,100	25.3	171.3	20,600	29.6	180.4	21,600	155
158	9.8	133.4	18,200	22.4	164.2	20,200	27.1	174.6	21,000	158
160	5.7	122.9	17,700	20.4	159.5	19,800	25.5	170.8	20,700	160
165				13.9	143.3	19,200	20.6	159.0	19,900	165
169				4.3	118.4	18,800	15.5	146.3	19,400	169
170							14.2	143.1	19,300	170
174							5.0	119.5	19,000	174
175										175
180										180
183										183
185										185
190										190
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199										199
200										200
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206										206

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ASME B30.5



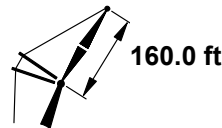
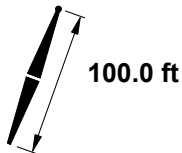
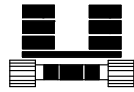
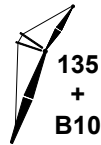
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
81													81
85													85
90													90
95													95
100													100
102	62.6	237.4	36,500										102
105	61.3	235.8	35,700										105
110	59.1	233.0	34,300										110
115	56.9	229.8	32,900										115
120	54.6	226.4	31,600										120
121	54.1	225.7	31,300	57.9	228.5	33,000							121
125	52.2	222.7	30,300	56.1	225.9	32,000							125
130	49.7	218.7	29,000	53.8	222.4	30,800							130
135	47.2	214.2	27,800	51.4	218.5	29,600							135
140	44.5	209.4	26,500	48.9	214.4	28,400	52.8	217.3	29,800				140
145	41.7	204.0	25,400	46.3	209.8	27,300	50.4	213.4	28,800				145
150	38.8	198.1	24,400	43.6	204.8	26,100	47.8	209.0	27,700				150
155	35.6	191.5	23,300	40.7	199.2	25,100	45.2	204.3	26,600				155
158	33.6	187.1	22,700	38.9	195.6	24,400	43.5	201.2	26,000	47.7	204.5	27,100	158
160	32.2	184.1	22,400	37.7	193.1	24,000	42.4	199.1	25,600	46.6	202.7	26,800	160
165	28.4	175.5	21,400	34.5	186.3	23,000	39.5	193.3	24,500	43.9	197.7	25,800	165
169	24.9	167.4	20,700	31.6	180.0	22,300	37.0	188.2	23,700	41.7	193.3	25,000	169
170	24.1	165.4	20,600	30.9	178.5	22,100	36.4	186.9	23,500	41.1	192.3	24,800	170
174	19.9	155.2	20,000	27.8	171.2	21,300	33.7	181.2	22,800	38.7	187.4	24,100	174
175	18.9	152.7	19,800	27.0	169.4	21,200	33.1	179.7	22,600	38.1	186.2	23,900	175
180	11.6	134.3	19,200	22.4	158.5	20,300	29.4	171.5	21,700	34.9	179.4	23,000	180
183	1.6	108.3	19,200	19.0	150.1	20,000	26.9	165.7	21,200	32.8	174.8	22,500	183
185				16.7	144.5	19,700	25.2	161.8	20,900	31.4	171.8	22,100	185
190				7.6	121.2	19,200	20.3	149.9	20,100	27.5	162.9	21,300	190
191				3.7	111.1	19,200	19.0	146.6	20,000	26.6	160.8	21,100	191
195							13.8	133.5	19,500	23.0	152.3	20,500	195
199							3.6	107.4	19,300	18.6	141.5	20,000	199
200										17.5	138.8	19,800	200
205										9.3	117.8	19,400	205
206										6.5	110.5	19,300	206

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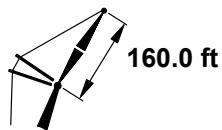
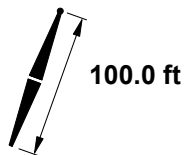
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.8	263.2	41,700 b							50
55	73.9	261.8	40,900							55
60	72.1	260.3	39,900							60
65	70.2	258.6	38,200							65
70	68.3	256.7	36,500							70
72	67.5	255.8	35,800	70.8	258.3	38,700				72
75	66.3	254.6	34,800	69.7	257.2	37,800				75
80	64.4	252.3	33,300	67.8	255.3	36,200				80
85	62.4	249.8	31,800	65.8	253.1	34,700	67.8	254.4	36,100	85
90	60.3	247.0	30,300	63.8	250.8	33,100	65.9	252.3	34,600	90
95	58.2	244.1	28,800	61.8	248.2	31,700	63.9	249.9	33,100	95
100	56.1	240.8	27,500	59.8	245.4	30,100	61.9	247.4	31,700	100
105	53.9	237.3	26,200	57.7	242.4	28,700	59.8	244.6	30,200	105
106	53.5	236.6	25,900	57.2	241.7	28,500	59.4	244.0	29,900	106
110	51.7	233.5	24,900	55.5	239.1	27,400	57.7	241.6	28,800	110
115	49.3	229.4	23,700	53.3	235.5	26,100	55.6	238.3	27,500	115
120	46.9	224.9	22,600	51.1	231.6	24,900	53.4	234.7	26,200	120
125	44.4	220.0	21,500	48.7	227.4	23,700	51.1	230.8	25,000	125
127	43.4	217.9	21,100	47.7	225.5	23,200	50.2	229.2	24,500	127
130	41.8	214.7	20,400	46.3	222.8	22,500	48.8	226.6	23,800	130
135	39.1	208.8	19,500	43.8	217.8	21,400	46.4	222.1	22,700	135
140	36.1	202.3	18,500	41.1	212.3	20,400	43.8	217.1	21,600	140
145	33.0	195.1	17,600	38.3	206.3	19,400	41.2	211.6	20,500	145
146	32.3	193.4	17,500	37.7	205.0	19,200	40.6	210.4	20,300	146
150	29.5	186.8	16,800	35.3	199.6	18,500	38.4	205.6	19,500	150
155	25.6	177.2	16,000	32.1	192.1	17,600	35.4	199.0	18,600	155
160	21.1	165.7	15,300	28.5	183.6	16,800	32.2	191.5	17,700	160
164	16.5	153.5	14,500	25.3	175.5	16,100	29.3	184.7	17,000	164
165	15.4	150.5	14,400	24.5	173.5	16,000	28.6	183.0	16,800	165
170	5.5	123.4	13,600	19.8	161.3	15,200	24.7	173.0	16,100	170
175				13.5	144.5	14,200	19.9	160.8	15,200	175
179				4.2	118.8	13,600	15.0	147.6	14,500	179
180							13.7	144.3	14,300	180
184							4.9	119.9	13,700	184
185										185
190										190
193										193
195										195
200										200
201										201
205										205
209										209
210										210
216										216

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ASME B30.5



219,600 lb
+
80,000 lb



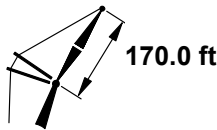
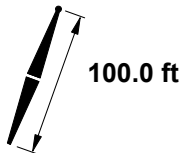
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50													50
55													55
60													60
65													65
70													70
72													72
75													75
80													80
85													85
90													90
95													95
100													100
105													105
106	62.9	246.6	32,000										106
110	61.3	244.5	30,900										110
115	59.2	241.6	29,600										115
120	57.1	238.5	28,300										120
125	54.9	235.1	27,000										125
127	54.0	233.7	26,500	57.6	236.5	28,200							127
130	52.7	231.5	25,800	56.3	234.6	27,500							130
135	50.4	227.5	24,600	54.2	231.1	26,300							135
140	48.1	223.2	23,500	51.9	227.3	25,200							140
145	45.6	218.5	22,300	49.6	223.2	24,100							145
146	45.1	217.5	22,100	49.1	222.4	23,900	52.8	225.3	25,300				146
150	43.0	213.4	21,300	47.2	218.8	23,000	51.0	222.2	24,400				150
155	40.4	207.8	20,300	44.7	214.0	21,900	48.7	218.0	23,400				155
160	37.5	201.6	19,300	42.1	208.7	20,900	46.2	213.4	22,400				160
164	35.1	196.1	18,600	39.9	204.0	20,100	44.2	209.4	21,600	48.0	212.6	22,800	164
165	34.5	194.7	18,400	39.4	202.9	19,900	43.7	208.4	21,400	47.5	211.7	22,600	165
170	31.1	186.9	17,500	36.5	196.5	19,000	41.0	202.9	20,500	45.0	206.9	21,700	170
175	27.5	178.0	16,700	33.3	189.3	18,100	38.2	196.9	19,500	42.5	201.7	20,800	175
179	24.1	169.6	16,100	30.6	182.8	17,400	35.8	191.5	18,800	40.3	197.1	20,000	179
180	23.3	167.5	15,900	29.9	181.2	17,200	35.2	190.2	18,600	39.7	195.9	19,900	180
184	19.3	157.0	15,200	26.9	173.7	16,600	32.6	184.1	18,000	37.4	190.9	19,100	184
185	18.3	154.3	15,000	26.1	171.8	16,500	32.0	182.6	17,800	36.8	189.6	19,000	185
190	11.2	135.3	14,100	21.7	160.5	15,700	28.4	174.0	17,000	33.7	182.5	18,200	190
193	1.5	108.4	13,600	18.4	151.7	15,100	26.0	168.0	16,500	31.7	177.7	17,700	193
195				16.2	145.9	14,700	24.4	164.0	16,200	30.4	174.5	17,300	195
200				7.4	121.9	13,800	19.6	151.6	15,300	26.6	165.3	16,600	200
201				3.6	111.4	13,700	18.4	148.2	15,100	25.7	163.1	16,400	201
205							13.3	134.7	14,300	22.3	154.3	15,900	205
209							3.5	107.7	13,700	18.0	143.1	15,100	209
210										17.0	140.3	14,900	210
216										6.2	111.1	13,900	216

MLC250 S-3

ASME B30.5



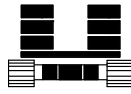
219,600 lb
+
80,000 lb



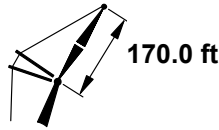
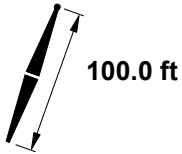
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	76.0	273.0	38,500							52
55	74.9	272.2	38,100							55
60	73.2	270.8	36,800							60
65	71.4	269.2	35,200							65
70	69.6	267.4	33,600							70
75	67.8	265.4	32,100	70.9	267.8	34,800				75
80	66.0	263.3	30,600	69.1	266.0	33,300				80
85	64.1	261.0	29,100	67.3	264.0	31,800				85
89	62.6	258.9	28,000	65.8	262.3	30,600	67.7	263.6	32,000	89
90	62.2	258.4	27,700	65.5	261.8	30,400	67.4	263.2	31,700	90
95	60.3	255.7	26,400	63.6	259.4	28,900	65.5	261.0	30,300	95
100	58.3	252.7	25,000	61.7	256.9	27,600	63.7	258.6	29,000	100
105	56.3	249.5	23,800	59.8	254.1	26,200	61.8	256.1	27,600	105
110	54.3	246.1	22,600	57.8	251.0	24,900	59.8	253.3	26,300	110
111	53.9	245.3	22,400	57.4	250.4	24,700	59.4	252.6	26,000	111
115	52.2	242.3	21,500	55.8	247.8	23,700	57.9	250.2	25,000	115
120	50.0	238.3	20,400	53.7	244.2	22,500	55.9	247.0	23,800	120
125	47.8	233.9	19,300	51.6	240.4	21,300	53.8	243.4	22,600	125
130	45.5	229.2	18,300	49.4	236.3	20,300	51.7	239.6	21,400	130
132	44.5	227.1	17,900	48.5	234.5	19,800	50.8	238.0	21,000	132
135	43.0	224.1	17,400	47.2	231.8	19,200	49.5	235.5	20,300	135
140	40.5	218.5	16,400	44.8	227.0	18,200	47.2	231.1	19,300	140
145	37.8	212.3	15,500	42.4	221.8	17,200	44.9	226.3	18,300	145
150	35.0	205.5	14,800	39.8	216.0	16,300	42.5	221.0	17,300	150
152	33.8	202.5	14,500	38.7	213.5	16,000	41.4	218.7	17,000	152
155	31.9	198.0	14,000	37.1	209.7	15,500	39.9	215.3	16,400	155
160	28.6	189.4	13,000	34.2	202.8	14,700	37.2	209.0	15,500	160
165	24.9	179.5	12,100	31.1	195.0	13,800	34.3	202.1	14,700	165
170	20.5	167.5	11,200	27.7	186.1	12,800	31.2	194.3	13,900	170
171	19.4	164.4	11,000	26.9	184.0	12,600	30.5	192.6	13,700	171
175	14.9	151.8	10,400	23.8	175.7	11,900	27.8	185.5	12,900	175
180	5.3	123.9	9,800	19.2	163.0	11,100	23.9	175.2	12,000	180
185				13.1	145.7	10,300	19.3	162.5	11,100	185
189				4.0	119.1	9,700	14.5	148.9	10,400	189
190							13.3	145.5	10,300	190
194							4.7	120.3	9,800	194
195										195
200										200
203										203
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211										211
219										219
220										220
226										226

MLC250 S-3

ASME B30.5



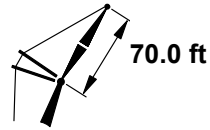
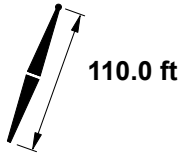
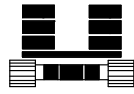
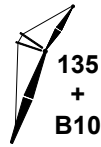
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
65													65
70													70
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105													105
110													110
111	62.7	255.3	27,900										111
115	61.2	253.1	27,000										115
120	59.2	250.3	25,700										120
125	57.3	247.2	24,500										125
130	55.2	243.8	23,300										130
132	54.4	242.4	22,900	57.8	245.2	24,500							132
135	53.2	240.2	22,200	56.6	243.2	23,800							135
140	51.0	236.3	21,100	54.5	239.8	22,700							140
145	48.8	232.1	20,000	52.4	236.1	21,700							145
150	46.5	227.6	19,000	50.3	232.1	20,600							150
152	45.6	225.6	18,600	49.4	230.4	20,200	52.8	233.3	21,600				152
155	44.2	222.6	18,000	48.0	227.8	19,600	51.6	231.0	21,000				155
160	41.7	217.3	17,100	45.7	223.1	18,600	49.4	226.9	20,000				160
165	39.1	211.4	16,200	43.3	218.0	17,700	47.1	222.4	19,100				165
170	36.3	204.9	15,300	40.8	212.5	16,800	44.8	217.6	18,100				170
171	35.8	203.5	15,200	40.3	211.3	16,600	44.3	216.5	18,000	47.9	219.7	19,100	171
175	33.4	197.7	14,500	38.2	206.4	16,000	42.3	212.3	17,300	46.0	216.0	18,500	175
180	30.2	189.7	13,600	35.3	199.7	15,100	39.8	206.6	16,400	43.6	211.0	17,600	180
185	26.7	180.4	12,700	32.3	192.2	14,300	37.0	200.3	15,500	41.1	205.5	16,700	185
189	23.4	171.7	12,000	29.7	185.5	13,500	34.7	194.7	15,000	39.0	200.7	16,000	189
190	22.6	169.5	11,800	29.0	183.8	13,300	34.1	193.3	14,800	38.5	199.5	15,900	190
194	18.7	158.6	11,100	26.0	176.0	12,600	31.6	187.0	14,100	36.3	194.2	15,300	194
195	17.7	155.9	10,900	25.3	174.1	12,400	31.0	185.5	14,000	35.7	192.9	15,200	195
200	10.9	136.3	10,100	21.0	162.4	11,500	27.6	176.5	13,000	32.7	185.5	14,400	200
203	1.5	108.5	9,800	16.9	150.4	11,000	25.0	169.6	12,500	30.6	180.2	13,800	203
210				7.1	122.5	9,900	19.0	153.3	11,200	25.8	167.7	12,500	210
211				3.5	111.8	9,900	17.3	148.3	11,000	24.9	165.1	12,400	211
219							3.4	108.0	9,900	17.4	144.4	11,000	219
220										16.4	141.8	10,800	220
226										6.1	111.6	10,000	226

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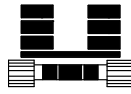
ASME B30.5



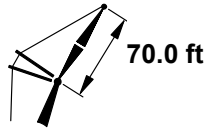
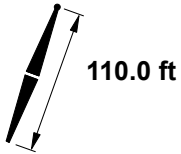
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30	74.3	185.4	109,100 d							30
35	70.0	183.8	108,900 d							35
40	65.6	181.8	107,400 c							40
44	61.9	179.8	103,300 c	70.5	183.1	113,400 c				44
45	61.0	179.3	102,300 c	69.6	182.7	113,400 c				45
50	56.2	176.2	97,800 b	65.2	180.6	108,600 c				50
53	53.2	174.0	95,400 b	62.4	179.1	105,600 c	67.6	180.8	111,600 c	53
55	51.2	172.6	93,800 b	60.6	178.1	103,700 b	65.8	180.0	109,600 c	55
60	45.7	168.1	89,300 b	55.8	175.0	99,200 b	61.2	177.5	104,800 b	60
65	39.6	162.7	80,200	50.7	171.2	95,300	56.5	174.5	100,400 b	65
68	35.5	158.6	75,700	47.4	168.5	91,200	53.4	172.3	96,200 b	68
70	32.7	155.8	72,600	45.2	166.7	88,500	51.4	170.8	93,500	70
75	24.1	146.6	65,000	39.1	161.2	79,500	45.9	166.4	87,200	75
80	10.1	130.3	49,700	32.0	154.2	72,000	39.9	161.0	80,600	80
81	2.9	121.5	44,100	30.2	152.3	70,800	38.5	159.7	79,100	81
82				28.5	150.4	69,500	37.2	158.3	77,500	82
85				23.2	144.6	65,800	33.0	154.3	73,000	85
90				7.8	126.5	51,100	24.5	145.2	66,600	90
95							11.1	129.6	56,300	95
96							5.5	122.8	51,300	96
100										100
105										105
109										109
110										110
114										114
115										115
120										120
123										123
125										125
130										130
131										131

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ASME B30.5



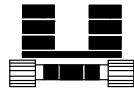
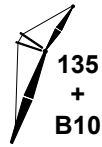
219,600 lb
+
80,000 lb



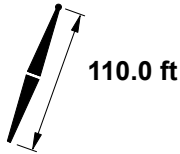
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
35													35
40													40
44													44
45													45
50													50
53													53
55													55
60													60
65													65
68	62.5	175.9	95,000 b										68
70	60.6	174.8	91,700 b										70
75	55.8	171.7	84,200 b										75
80	50.7	168.0	77,900										80
81	49.6	167.1	76,700										81
82	48.5	166.2	75,600	57.8	170.0	72,300 b							82
85	45.2	163.5	72,300	54.9	168.0	69,200 b							85
90	39.1	158.0	67,400	49.7	164.2	64,600							90
95	32.0	151.0	63,100	44.1	159.5	60,400							95
96	30.2	149.0	62,300	42.9	158.3	59,700	52.6	162.6	57,100 b				96
100	23.2	141.4	59,200	37.9	153.7	56,800	48.4	159.3	54,300				100
105	7.8	123.3	55,700	30.6	146.4	53,500	42.7	154.4	51,100				105
109				23.1	138.2	51,000	37.5	149.5	48,900	47.8	154.2	46,700	109
110				21.2	136.1	50,400	36.2	148.3	48,300	46.7	153.2	46,100	110
114				8.3	120.9	48,100	30.1	142.0	46,200	41.9	149.0	44,200	114
115							28.6	140.4	45,700	40.7	148.0	43,700	115
120							18.3	128.9	43,300	34.0	141.4	41,400	120
123							7.0	115.5	41,800	29.0	136.2	40,200	123
125										25.8	132.7	39,300	125
130										13.6	118.7	37,300	130
131										9.4	113.8	36,900	131

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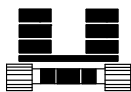
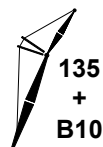
219,600 lb
+
80,000 lb



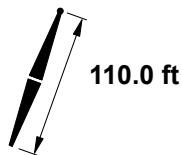
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31	75.6	195.5	100,000 d							31
35	72.6	194.4	99,800 d							35
40	68.8	192.6	99,000 c							40
45	64.9	190.5	94,300 c							45
47	63.3	189.5	92,600 c	70.8	192.6	102,900 c				47
50	60.9	187.9	90,000 b	68.5	191.5	100,100 c				50
55	56.7	184.9	86,100 b	64.6	189.3	95,500 b				55
57	55.0	183.5	84,700 b	62.9	188.3	93,900 b	67.5	190.0	98,900 c	57
60	52.3	181.3	82,600 b	60.5	186.7	91,400 b	65.1	188.7	96,400 b	60
65	47.6	177.1	79,500	56.3	183.7	87,500	61.1	186.2	92,400 b	65
70	42.6	172.2	72,600	51.9	180.0	84,100	56.9	183.1	88,600	70
72	40.3	169.8	70,000	50.0	178.3	82,200	55.1	181.7	87,200	72
75	37.0	166.2	66,200	47.2	175.8	79,400	52.5	179.6	85,100	75
80	30.5	158.7	60,800	42.1	170.7	72,000	47.9	175.4	80,600	80
85	22.5	148.7	56,100	36.4	164.6	65,700	42.8	170.5	72,900	85
88	14.7	138.2	48,700	32.5	160.0	62,500	39.5	166.9	69,100	88
90	9.5	131.2	43,800	29.9	157.0	60,400	37.3	164.5	66,500	90
91	2.7	121.8	39,100	28.2	154.9	59,400	36.0	163.1	65,400	91
95				21.6	146.6	55,700	30.9	157.1	61,000	95
100				7.3	127.2	45,200	22.9	147.3	56,300	100
102							17.9	140.6	53,700	102
105							10.4	130.6	49,800	105
106							5.1	123.2	45,600	106
110										110
115										115
116										116
120										120
124										124
125										125
130										130
133										133
135										135
140										140
141										141

MLC250 S-3

ASME B30.5



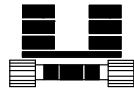
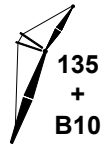
219,600 lb
+
80,000 lb



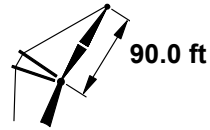
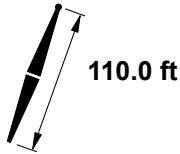
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31													31
35													35
40													40
45													45
47													47
50													50
55													55
57													57
60													60
65													65
70													70
72	63.0	185.1	88,200 b										72
75	60.5	183.5	83,900 b										75
80	56.3	180.4	77,500										80
85	51.9	176.8	72,000										85
88	49.1	174.3	69,100	57.3	178.1	66,000							88
90	47.2	172.6	67,200	55.5	176.7	64,200							90
91	46.2	171.5	66,300	54.6	176.0	63,400							91
95	42.1	167.5	62,900	51.1	173.0	60,100							95
100	36.4	161.4	59,100	46.3	168.6	56,500							100
102	33.8	158.3	57,700	44.2	166.5	55,100	52.7	170.6	52,600				102
105	29.9	153.7	55,600	41.1	163.4	53,200	50.0	168.2	50,800				105
106	28.2	151.7	55,000	40.0	162.1	52,600	49.0	167.3	50,200				106
110	21.7	143.4	52,500	35.3	157.1	50,200	45.1	163.6	48,000				110
115	7.3	124.0	49,600	28.6	149.0	47,500	39.8	158.1	45,400				115
116				26.8	146.8	47,000	38.6	156.8	44,900	47.5	161.3	42,800	116
120				19.8	137.9	45,000	33.8	151.4	43,000	43.5	157.4	41,100	120
124				7.8	121.6	43,100	28.1	144.6	41,300	39.1	152.7	39,400	124
125							26.7	142.9	40,900	38.0	151.6	39,000	125
130							17.1	130.4	38,900	31.7	144.4	37,100	130
133							6.6	116.1	37,700	27.1	138.7	36,100	133
135										24.1	134.9	35,400	135
140										12.7	119.9	33,700	140
141										8.8	114.6	33,300	141

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



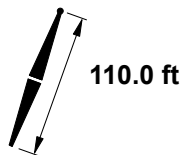
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.9	205.3	90,800 d						33	
35	74.6	204.8	90,600 d						35	
40	71.3	203.3	89,100 c						40	
45	67.9	201.4	84,900 c						45	
50	64.4	199.2	81,100 b	71.0	202.2	89,800 c			50	
55	60.8	196.6	77,600 b	67.6	200.3	85,900 b			55	
60	57.1	193.6	74,300 b	64.1	198.0	82,200 b	68.0	199.6	86,400 b	
65	53.2	190.1	71,300	60.5	195.4	78,800	64.5	197.4	82,900 b	
70	49.1	186.1	68,600	56.7	192.3	75,600	61.0	194.8	79,700	
75	44.8	181.4	66,100	52.8	188.8	72,700	57.3	191.8	76,500	
77	42.9	179.2	64,000	51.2	187.2	71,600	55.7	190.4	75,300	
80	40.0	175.9	60,800	48.7	184.7	69,900	53.4	188.4	73,600	
85	34.8	169.4	56,100	44.4	180.0	65,700	49.3	184.4	70,800	
90	28.7	161.3	52,000	39.6	174.4	60,300	45.0	179.7	66,500	
93	24.2	154.9	49,800	36.4	170.5	57,600	42.1	176.5	63,200	
95	21.2	150.6	48,300	34.3	167.8	55,700	40.3	174.3	61,000	
100	8.9	132.0	39,100	28.1	159.5	51,700	35.1	167.8	56,300	
101	2.5	122.0	35,000	26.6	157.3	51,000	33.8	166.2	55,500	
105				20.4	148.4	48,100	29.0	159.8	52,200	
108				12.3	136.1	43,600	24.6	153.5	50,000	
110				6.8	127.8	40,500	21.6	149.2	48,600	
115							9.8	131.5	44,600	
116							4.8	123.7	40,900	
120									120	
123									123	
125									125	
130									130	
134									134	
135									135	
140									140	
143									143	
145									145	
150									150	
151									151	

MLC250 S-3

ASME B30.5



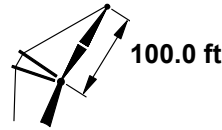
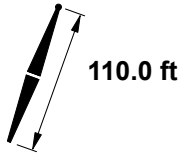
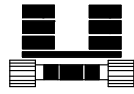
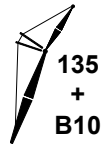
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
35													35
40													40
45													45
50													50
55													55
60													60
65													65
70													70
75													75
77	62.6	193.8	80,700 b										77
80	60.5	192.2	77,300										80
85	56.7	189.1	71,800										85
90	52.9	185.6	67,000										90
93	50.4	183.1	64,400	57.6	186.7	61,500							93
95	48.7	181.5	62,700	56.1	185.4	59,900							95
100	44.4	176.8	58,900	52.1	181.8	56,300							100
101	43.4	175.7	58,200	51.3	181.0	55,600							101
105	39.6	171.2	55,500	48.0	177.6	53,000							105
108	36.4	167.2	53,700	45.3	174.7	51,200	52.8	178.6	48,800				108
110	34.3	164.6	52,400	43.5	172.8	50,100	51.1	177.0	47,800				110
115	28.2	156.3	49,600	38.7	167.0	47,400	46.9	172.7	45,200				115
116	26.6	154.1	49,100	37.6	165.6	46,900	46.0	171.6	44,700				116
120	20.4	145.2	47,100	33.3	160.1	45,000	42.4	167.6	42,900				120
123	12.3	132.8	45,600	29.4	154.9	43,600	39.4	164.0	41,600	47.3	168.5	39,600	123
125	6.9	124.6	44,500	26.9	151.5	42,700	37.4	161.6	40,800	45.5	166.5	38,800	125
130				18.7	139.6	40,700	31.8	154.4	38,800	40.9	161.2	37,000	130
134				7.3	122.3	39,000	26.5	147.0	37,300	36.8	156.2	35,600	134
135							25.1	145.2	37,000	35.7	154.9	35,200	135
140							16.1	131.9	35,300	29.9	147.1	33,600	140
143							6.2	116.7	34,200	25.5	141.1	32,700	143
145										22.7	137.0	32,100	145
150										11.9	121.0	30,700	150
151										8.3	115.4	30,400	151

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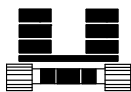
ASME B30.5



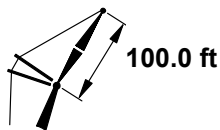
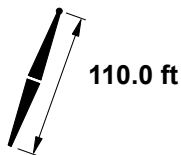
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.6	214.9	82,200 d							36
40	73.2	213.8	81,400 c							40
45	70.2	212.1	77,500 c							45
50	67.1	210.2	73,900 b							50
54	64.6	208.3	71,200 b	70.5	211.4	78,700 b				54
55	64.0	207.9	70,500 b	69.9	211.0	78,000 b				55
60	60.7	205.3	67,400 b	66.8	209.0	74,600 b				60
64	58.0	202.9	65,000 b	64.3	207.2	72,000 b	67.9	208.8	75,700 b	64
65	57.4	202.3	64,500	63.7	206.7	71,400	67.2	208.3	75,000 b	65
70	53.9	198.8	61,800	60.4	204.1	68,300	64.1	206.1	72,000	70
75	50.3	195.0	59,200	57.1	201.0	65,400	60.9	203.5	69,000	75
80	46.4	190.5	56,900	53.6	197.6	62,700	57.5	200.5	66,200	80
81	45.6	189.5	56,500	52.9	196.8	62,200	56.8	199.8	65,700	81
85	42.3	185.4	54,800	49.9	193.6	60,200	54.1	197.1	63,500	85
90	37.9	179.5	52,200	46.1	189.1	57,900	50.4	193.2	61,000	90
95	33.0	172.4	48,500	42.0	184.0	55,800	46.6	188.8	58,600	95
98	29.5	167.3	46,600	39.3	180.3	53,400	44.2	185.8	57,400	98
100	27.2	163.8	45,300	37.5	177.9	51,900	42.5	183.7	56,500	100
105	20.1	152.4	42,200	32.5	170.8	48,300	38.1	177.8	52,400	105
110	8.5	132.7	34,600	26.7	162.0	45,100	33.2	170.9	48,700	110
111	2.4	122.2	31,000	25.2	159.6	44,500	32.1	169.2	48,100	111
114				20.8	152.5	42,700	28.7	164.0	46,100	114
115				19.3	150.2	42,100	27.5	162.3	45,500	115
120				6.5	128.4	35,900	20.5	151.1	42,600	120
125							9.3	132.3	39,500	125
126							4.6	124.1	36,400	126
129										129
130										130
135										135
140										140
144										144
145										145
150										150
153										153
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161										161

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ASME B30.5



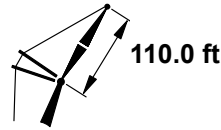
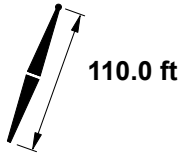
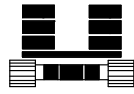
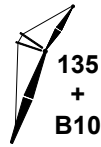
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
40													40
45													45
50													50
54													54
55													55
60													60
64													64
65													65
70													70
75													75
80													80
81	63.0	203.0	70,500										81
85	60.4	200.8	68,400										85
90	57.1	197.8	65,800										90
95	53.6	194.3	62,400										95
98	51.4	192.0	60,100	57.8	195.4	57,300							98
100	49.9	190.4	58,600	56.5	194.1	55,900							100
105	46.1	185.9	55,200	52.9	190.6	52,700							105
110	42.0	180.7	52,200	49.3	186.6	49,700							110
111	41.1	179.5	51,600	48.5	185.6	49,200							111
114	38.4	175.9	49,900	46.1	182.9	47,600	52.8	186.6	45,300				114
115	37.5	174.7	49,400	45.4	181.9	47,100	52.1	185.8	44,800				115
120	32.5	167.6	46,800	41.2	176.6	44,700	48.3	181.6	42,500				120
125	26.7	158.7	44,500	36.6	170.4	42,500	44.4	176.9	40,400				125
126	25.2	156.4	44,100	35.6	169.0	42,000	43.5	175.8	40,000				126
129	20.8	149.3	42,700	32.5	164.5	40,800	41.0	172.5	38,900	47.9	176.5	37,000	129
130	19.3	147.0	42,200	31.5	163.0	40,400	40.1	171.4	38,500	47.1	175.6	36,600	130
135	6.5	125.2	39,200	25.5	153.8	38,500	35.4	164.9	36,700	43.1	170.6	34,900	135
140				17.7	141.2	36,800	30.2	157.2	35,000	38.7	164.8	33,300	140
144				7.0	122.9	35,400	25.1	149.3	33,800	34.8	159.4	32,100	144
145							23.8	147.3	33,500	33.9	158.0	31,800	145
150							15.3	133.3	32,000	28.3	149.7	30,500	150
153							5.9	117.2	31,100	24.2	143.3	29,700	153
155										21.5	139.0	29,200	155
160										11.3	122.0	27,900	160
161										7.9	116.1	27,600	161

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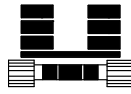
ASME B30.5



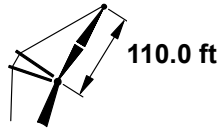
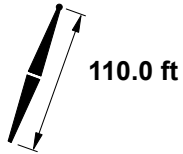
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	75.8	224.7	75,400 c							38
40	74.8	224.2	75,200 c							40
45	72.0	222.7	72,300 c							45
50	69.3	220.9	69,400 b							50
55	66.5	218.9	66,700 b							55
57	65.3	218.0	65,700 b	70.7	220.9	71,500 b				57
60	63.6	216.6	64,200 b	69.0	219.8	70,000 b				60
65	60.7	213.9	61,700	66.2	217.8	67,500				65
68	58.8	212.1	60,400	64.5	216.3	66,100	67.7	217.9	68,700	68
70	57.6	210.9	59,500	63.3	215.4	65,100	66.6	217.1	67,800	70
75	54.5	207.6	57,200	60.4	212.7	62,700	63.7	214.8	65,500	75
80	51.2	203.8	54,900	57.3	209.7	60,300	60.8	212.1	63,200	80
85	47.8	199.5	52,800	54.2	206.3	57,900	57.8	209.2	60,900	85
86	47.1	198.5	52,500	53.5	205.5	57,400	57.1	208.5	60,400	86
90	44.2	194.7	51,000	50.9	202.5	55,700	54.6	205.8	58,600	90
95	40.3	189.2	49,100	47.5	198.2	53,600	51.4	202.0	56,300	95
100	36.1	182.8	45,700	43.8	193.3	51,600	47.9	197.8	54,200	100
103	33.3	178.3	43,800	41.5	189.9	50,000	45.8	194.9	53,000	103
105	31.4	175.3	42,600	39.9	187.7	48,900	44.3	193.0	52,300	105
110	26.0	166.2	39,700	35.7	181.2	45,500	40.5	187.5	49,500	110
115	19.2	154.1	37,100	30.9	173.6	42,500	36.3	181.2	46,000	115
120	8.1	133.5	29,400	25.4	164.3	39,700	31.6	173.8	42,900	120
121	2.3	122.4	26,100	24.0	161.8	39,200	30.5	172.0	42,400	121
125				18.4	151.9	37,100	26.2	164.7	40,100	125
130				6.2	128.9	30,700	19.5	152.9	37,500	130
135							8.9	133.1	34,000	135
136							4.4	124.5	31,100	136
140										140
145										145
150										150
154										154
155										155
160										160
163										163
165										165
170										170
171										171

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ASME B30.5



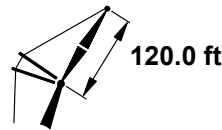
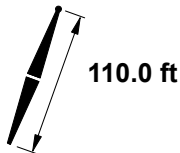
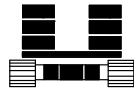
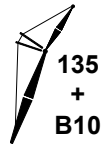
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38													38
40													40
45													45
50													50
55													55
57													57
60													60
65													65
68													68
70													70
75													75
80													80
85													85
86	62.8	211.7	64,100										86
90	60.4	209.5	62,500										90
95	57.3	206.5	60,400										95
100	54.2	203.1	58,300										100
103	52.2	200.8	56,400	58.0	204.1	53,900							103
105	50.9	199.2	55,200	56.8	202.8	52,600							105
110	47.5	194.9	52,100	53.6	199.3	49,700							110
115	43.8	190.0	49,400	50.3	195.4	47,100							115
120	39.9	184.5	46,900	46.8	191.0	44,700	52.8	194.6	42,500				120
121	39.1	183.2	46,400	46.1	190.0	44,200	52.2	193.8	42,100				121
125	35.7	178.0	44,600	43.1	186.0	42,500	49.5	190.5	40,400				125
130	30.9	170.4	42,400	39.2	180.3	40,400	46.0	186.0	38,500				130
135	25.4	161.1	39,900	34.9	173.7	38,600	42.2	180.8	36,700				135
136	24.0	158.6	39,300	33.9	172.1	38,200	41.4	179.6	36,400	47.7	183.7	34,500	136
140	18.4	148.6	37,300	30.0	165.8	36,800	38.2	174.9	35,000	44.8	179.8	33,300	140
145	6.2	125.7	34,700	24.3	156.0	35,200	33.7	168.0	33,500	41.0	174.5	31,800	145
150				16.9	142.7	33,700	28.7	159.8	32,100	36.8	168.3	30,500	150
154				6.6	123.5	32,500	23.9	151.5	31,000	33.2	162.4	29,500	154
155							22.7	149.4	30,700	32.2	161.0	29,200	155
160							14.6	134.6	29,500	27.0	152.2	28,000	160
163							5.6	117.7	28,700	23.1	145.4	27,300	163
165										20.5	140.8	26,900	165
170										10.8	122.9	25,800	170
171										7.5	116.7	25,500	171

MLC250 S-3

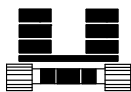
ASME B30.5



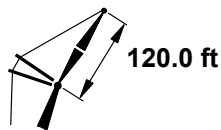
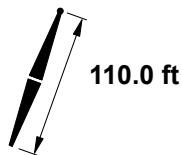
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41	75.6	234.3	55,500 c							41
45	73.6	233.1	54,500 b							45
50	71.1	231.6	53,300 b							50
55	68.5	229.7	52,200							55
60	66.0	227.6	51,000	70.9	230.5	54,100				60
65	63.3	225.2	50,000	68.3	228.6	53,200				65
70	60.6	222.6	49,000	65.7	226.5	52,300				70
72	59.5	221.4	48,600	64.7	225.5	51,900	67.6	227.1	52,800	72
75	57.8	219.6	48,100	63.1	224.1	51,400	66.1	225.8	52,400	75
80	55.0	216.3	47,000	60.4	221.4	50,600	63.4	223.4	51,700	80
85	52.0	212.6	45,100	57.6	218.4	49,400	60.7	220.8	51,000	85
90	48.9	208.4	43,400	54.7	215.0	47,400	58.0	217.8	49,800	90
91	48.2	207.5	43,100	54.1	214.3	47,000	57.4	217.2	49,400	91
95	45.6	203.8	41,800	51.7	211.3	45,600	55.1	214.5	47,900	95
100	42.2	198.6	40,200	48.6	207.1	43,800	52.1	210.8	46,000	100
105	38.5	192.7	38,800	45.3	202.4	42,200	49.0	206.7	44,200	105
109	35.3	187.3	37,700	42.6	198.2	40,900	46.4	203.0	42,900	109
110	34.5	186.0	37,500	41.9	197.2	40,600	45.8	202.1	42,600	110
115	30.0	178.1	36,200	38.2	191.2	39,200	42.4	197.0	41,000	115
120	24.8	168.4	34,000	34.1	184.4	37,900	38.7	191.1	39,600	120
125	18.3	155.8	32,100	29.6	176.3	36,700	34.7	184.4	38,200	125
126	16.2	151.4	30,900	28.5	174.4	36,400	33.8	182.8	38,000	126
130	7.7	134.2	26,300	24.3	166.5	35,300	30.2	176.5	37,100	130
131	2.2	122.6	23,400	23.0	163.9	34,900	29.2	174.6	36,800	131
135				17.6	153.4	33,100	25.1	167.0	35,700	135
140				5.9	129.5	27,600	18.7	154.5	33,500	140
143							12.6	142.1	31,700	143
145							8.5	133.9	30,600	145
146							4.2	124.8	28,000	146
150										150
155										155
160										160
164										164
165										165
170										170
173										173
175										175
180										180
181										181

MLC250 S-3

ASME B30.5



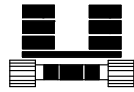
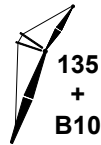
219,600 lb
+
80,000 lb



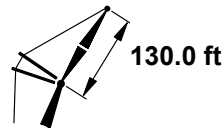
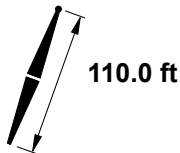
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
50													50
55													55
60													60
65													65
70													70
72													72
75													75
80													80
85													85
90													90
91	62.5	220.3	50,600										91
95	60.4	218.1	50,300										95
100	57.6	215.1	49,300										100
105	54.7	211.8	47,500										105
109	52.3	208.8	46,100	57.6	212.1	48,400							109
110	51.7	208.0	45,800	57.1	211.5	48,200							110
115	48.6	203.9	44,100	54.2	208.1	46,700							115
120	45.3	199.2	42,500	51.2	204.2	44,300							120
125	41.9	194.0	41,000	48.0	200.0	42,100							125
126	41.1	192.8	40,700	47.4	199.0	41,700	52.9	202.6	39,600				126
130	38.2	188.0	39,600	44.7	195.2	40,100	50.4	199.4	38,100				130
131	37.4	186.6	39,300	44.0	194.1	39,700	49.8	198.5	37,700				131
135	34.1	181.1	38,300	41.2	189.9	38,300	47.2	195.0	36,300				135
140	29.6	173.1	37,100	37.5	183.8	36,500	43.9	190.1	34,700				140
143	26.4	167.2	36,100	35.0	179.5	35,600	41.8	186.8	33,800	47.5	190.8	32,000	143
145	24.3	163.3	35,500	33.3	176.7	34,900	40.3	184.6	33,200	46.2	188.9	31,500	145
146	23.0	160.7	35,100	32.4	175.0	34,600	39.6	183.3	32,900	45.5	187.9	31,200	146
150	17.6	150.2	33,300	28.7	168.4	33,500	36.5	178.3	31,800	42.8	183.9	30,100	150
155	5.9	126.3	31,100	23.2	158.1	32,100	32.3	171.0	30,400	39.2	178.1	28,900	155
160				16.2	144.2	30,700	27.5	162.3	29,200	35.2	171.5	27,700	160
164				6.4	124.1	29,700	22.9	153.5	28,300	31.7	165.3	26,800	164
165							21.7	151.4	28,000	30.8	163.8	26,600	165
170							13.9	135.8	26,900	25.8	154.5	25,500	170
173							5.4	118.2	26,200	22.1	147.3	24,900	173
175										19.6	142.6	24,500	175
180										10.3	123.9	23,500	180
181										7.2	117.4	23,300	181

MLC250 S-3

ASME B30.5



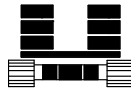
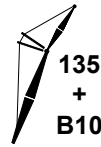
219,600 lb
+
80,000 lb



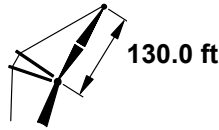
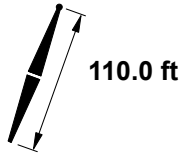
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
43	75.8	244.1	51,900 b						43	
45	74.9	243.5	51,400 b						45	
50	72.6	242.1	50,400 b						50	
55	70.3	240.4	49,300						55	
60	67.9	238.5	48,300						60	
63	66.5	237.2	47,800	71.0	240.0	50,300			63	
65	65.5	236.3	47,400	70.1	239.3	50,000			65	
70	63.1	233.9	46,500	67.7	237.4	49,200			70	
75	60.6	231.2	45,200	65.3	235.2	48,400	68.0	236.7	49,100	75
80	58.0	228.3	43,400	62.8	232.7	47,300	65.6	234.5	48,500	80
85	55.4	225.0	41,700	60.3	230.0	45,600	63.2	232.1	47,600	85
90	52.6	221.4	40,100	57.8	227.0	43,800	60.7	229.5	45,800	90
95	49.8	217.3	38,500	55.1	223.7	42,100	58.1	226.5	44,200	95
100	46.9	212.9	37,100	52.4	220.1	40,500	55.5	223.2	42,500	100
105	43.8	207.9	35,700	49.5	216.0	38,900	52.8	219.6	40,800	105
110	40.5	202.4	34,300	46.6	211.5	37,400	49.9	215.6	39,300	110
114	37.6	197.4	33,400	44.1	207.5	36,300	47.6	212.1	38,100	114
115	36.9	196.2	33,100	43.5	206.5	36,100	47.0	211.2	37,800	115
120	33.1	189.0	32,000	40.2	200.9	34,700	43.9	206.3	36,400	120
125	28.8	180.7	30,900	36.6	194.6	33,500	40.6	200.8	35,100	125
130	23.8	170.6	29,700	32.7	187.4	32,300	37.1	194.5	33,800	130
132	21.3	165.3	29,100	31.0	184.0	31,900	35.6	191.7	33,300	132
135	17.6	157.4	28,100	28.4	178.9	31,300	33.3	187.5	32,600	135
140	7.4	134.8	23,500	23.3	168.6	30,300	29.0	179.2	31,600	140
141	2.1	122.8	20,900	22.1	165.9	30,100	28.0	177.2	31,400	141
145				16.9	155.0	29,500	24.1	169.2	30,600	145
149				7.9	135.0	25,700	19.2	158.8	30,000	149
150				5.7	130.0	24,700	17.9	156.2	29,800	150
155							8.2	134.6	27,400	155
156							4.0	125.2	25,100	156
160										160
165										165
170										170
174										174
175										175
180										180
183										183
185										185
190										190
191										191

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ASME B30.5



219,600 lb
+
80,000 lb



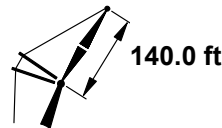
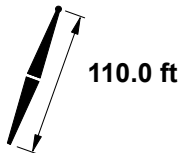
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43													43
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75													75
80													80
85													85
90													90
95	62.8	229.5	46,700										95
100	60.3	226.8	45,200										100
105	57.8	223.8	43,700										105
110	55.1	220.5	42,100										110
114	52.9	217.6	40,900	57.8	220.8	42,900							114
115	52.4	216.8	40,600	57.3	220.2	42,700							115
120	49.5	212.8	39,200	54.6	216.8	41,300							120
125	46.6	208.3	37,700	51.9	213.0	40,000							125
130	43.5	203.3	36,400	49.0	208.9	38,700							130
132	42.1	201.0	35,800	47.8	207.1	38,200	52.9	210.6	37,100				132
135	40.2	197.7	35,000	46.0	204.3	37,400	51.2	208.2	36,100				135
140	36.6	191.4	33,800	42.9	199.2	36,100	48.3	204.0	34,500				140
141	35.8	189.9	33,600	42.2	198.1	35,800	47.7	203.1	34,200				141
145	32.7	184.1	32,700	39.5	193.5	34,700	45.3	199.3	33,000				145
149	29.3	177.4	31,800	36.7	188.4	33,600	42.7	195.1	31,800	48.0	198.9	30,100	149
150	28.4	175.7	31,600	35.9	187.1	33,300	42.1	194.1	31,600	47.4	198.0	29,900	150
155	23.4	165.4	30,600	32.0	179.6	31,900	38.7	188.2	30,200	44.3	193.1	28,600	155
156	22.1	162.6	30,400	31.1	177.9	31,600	38.0	186.9	30,000	43.6	192.0	28,400	156
160	16.9	151.7	29,600	27.6	170.9	30,600	35.0	181.5	29,000	41.0	187.7	27,500	160
165	5.7	126.8	27,700	22.3	160.1	29,400	31.0	173.8	27,900	37.6	181.6	26,400	165
170				15.5	145.6	28,200	26.4	164.7	26,800	33.8	174.6	25,300	170
174				6.1	124.6	27,300	22.0	155.5	25,900	30.4	168.1	24,500	174
175							20.9	153.2	25,700	29.6	166.5	24,400	175
180							13.4	137.0	24,700	24.8	156.8	23,400	180
183							5.2	118.6	24,100	21.2	149.3	22,900	183
185										18.8	144.3	22,500	185
190										9.9	124.7	21,700	190
191										6.9	118.0	21,500	191

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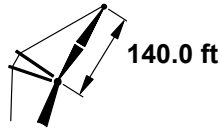
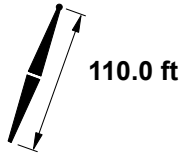
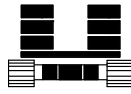
219,600 lb
+
80,000 lb



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	76.0	253.9	48,300 b							45
50	73.9	252.5	47,300 b							50
55	71.7	251.0	46,300							55
60	69.6	249.2	45,400							60
65	67.4	247.2	44,600							65
67	66.5	246.4	44,000	70.7	249.2	46,400				67
70	65.1	245.0	43,200	69.4	248.1	46,000				70
75	62.8	242.6	41,400	67.2	246.1	45,200				75
79	61.0	240.4	40,100	65.4	244.3	43,800	67.9	245.8	45,300	79
80	60.5	239.9	39,700	64.9	243.9	43,400	67.5	245.4	45,100	80
85	58.1	236.9	38,100	62.6	241.4	41,700	65.2	243.2	43,500	85
90	55.7	233.7	36,500	60.3	238.7	40,000	62.9	240.8	41,900	90
95	53.2	230.1	35,000	57.9	235.7	38,400	60.6	238.1	40,300	95
100	50.6	226.2	33,600	55.5	232.4	36,800	58.2	235.2	38,700	100
105	47.9	221.9	32,100	53.0	228.8	35,300	55.8	231.9	37,100	105
110	45.1	217.1	30,900	50.3	224.9	33,900	53.3	228.4	35,600	110
115	42.1	211.9	29,600	47.6	220.5	32,500	50.7	224.5	34,200	115
119	39.6	207.2	28,700	45.4	216.7	31,400	48.5	221.0	33,000	119
120	38.9	206.0	28,500	44.8	215.7	31,100	48.0	220.2	32,800	120
125	35.5	199.4	27,300	41.8	210.4	29,900	45.2	215.4	31,400	125
130	31.9	191.9	26,300	38.6	204.5	28,700	42.2	210.2	30,200	130
135	27.7	183.2	25,300	35.2	197.8	27,600	39.1	204.4	29,000	135
138	24.9	176.9	24,800	33.0	193.3	26,900	37.1	200.4	28,300	138
140	23.0	172.6	24,400	31.5	190.3	26,500	35.7	197.8	27,900	140
145	17.0	158.9	23,800	27.3	181.4	25,600	32.0	190.4	26,800	145
150	7.2	135.5	20,900	22.5	170.6	24,700	27.9	181.7	25,800	150
151	2.0	123.0	18,700	21.2	167.8	24,500	27.0	179.6	25,600	151
155				16.3	156.4	23,900	23.2	171.3	24,900	155
156				14.2	151.2	23,600	22.0	168.5	24,700	156
160				5.5	130.5	22,100	17.3	157.7	24,200	160
165							7.9	135.3	23,700	165
166							3.9	125.5	22,600	166
170										170
175										175
180										180
184										184
185										185
190										190
193										193
195										195
200										200
201										201

MLC250 S-3

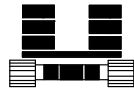
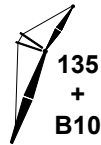
ASME B30.5



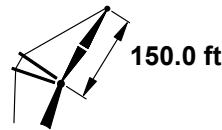
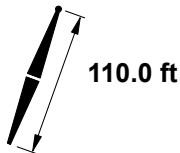
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
55													55
60													60
65													65
67													67
70													70
75													75
79													79
80													80
85													85
90													90
95													95
100	62.6	238.2	41,100										100
105	60.3	235.5	39,700										105
110	57.9	232.5	38,200										110
115	55.5	229.2	36,800										115
119	53.5	226.3	35,700	58.0	229.5	37,600							119
120	53.0	225.6	35,400	57.5	228.8	37,300							120
125	50.3	221.6	34,000	55.0	225.5	36,100							125
130	47.6	217.3	32,700	52.5	221.8	34,800							130
135	44.8	212.5	31,300	49.9	217.8	33,600							135
138	43.0	209.3	30,600	48.2	215.1	32,800	52.9	218.6	34,300				138
140	41.8	207.2	30,200	47.1	213.4	32,300	51.9	217.0	33,900				140
145	38.6	201.3	29,000	44.3	208.5	31,100	49.2	212.9	32,600				145
150	35.2	194.6	27,900	41.3	203.1	29,900	46.4	208.4	31,200				150
151	34.5	193.1	27,700	40.6	201.9	29,700	45.9	207.4	30,900				151
155	31.5	187.0	26,800	38.0	197.1	28,800	43.6	203.4	29,900				155
156	30.7	185.2	26,600	37.3	195.7	28,600	42.9	202.3	29,600	47.8	206.0	28,000	156
160	27.3	178.2	25,800	34.6	190.2	27,700	40.5	197.8	28,700	45.5	202.3	27,100	160
165	22.5	167.4	25,000	30.8	182.5	26,700	37.2	191.6	27,500	42.6	197.1	26,000	165
166	21.3	164.6	24,800	29.9	180.6	26,500	36.5	190.2	27,300	42.0	195.9	25,800	166
170	16.3	153.2	24,200	26.5	173.3	25,700	33.7	184.6	26,400	39.5	191.3	25,000	170
175	5.5	127.3	23,800	21.5	162.1	24,900	29.8	176.5	25,400	36.2	184.9	24,000	175
180				15.0	146.9	24,200	25.4	167.0	24,500	32.5	177.6	23,100	180
184				5.9	125.1	24,000	21.2	157.4	23,700	29.3	170.8	22,400	184
185							20.1	155.0	23,500	28.5	169.1	22,200	185
190							12.9	138.2	22,700	23.8	158.9	21,400	190
193							5.0	119.1	22,100	20.4	151.1	20,900	193
195										18.1	145.9	20,600	195
200										9.6	125.6	19,800	200
201										6.7	118.6	19,700	201

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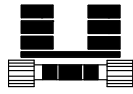
219,600 lb
+
80,000 lb



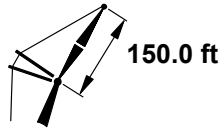
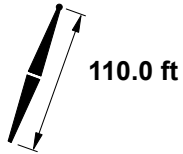
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	75.8	263.4	44,700							48
50	75.0	262.9	44,300							50
55	73.0	261.5	43,500							55
60	71.0	259.8	42,600							60
65	68.9	258.0	41,600							65
70	66.9	256.0	39,900	70.8	258.7	42,900				70
75	64.8	253.7	38,200	68.8	256.9	41,700				75
80	62.7	251.3	36,600	66.7	254.8	40,000				80
83	61.3	249.6	35,700	65.4	253.5	39,000	67.8	255.0	40,700	83
85	60.5	248.6	35,000	64.6	252.6	38,300	67.0	254.2	40,100	85
90	58.3	245.6	33,500	62.5	250.1	36,800	64.9	251.9	38,500	90
95	56.0	242.4	32,000	60.3	247.4	35,200	62.8	249.5	37,000	95
100	53.7	238.8	30,600	58.1	244.4	33,700	60.6	246.8	35,400	100
104	51.7	235.8	29,600	56.2	241.8	32,600	58.8	244.4	34,300	104
105	51.2	235.0	29,300	55.8	241.1	32,300	58.4	243.8	34,000	105
110	48.7	230.8	28,000	53.4	237.6	30,900	56.1	240.6	32,500	110
115	46.2	226.2	26,800	51.0	233.7	29,500	53.8	237.1	31,200	115
120	43.4	221.2	25,600	48.5	229.5	28,300	51.4	233.3	29,900	120
125	40.6	215.6	24,500	45.9	224.8	27,000	48.9	229.1	28,600	125
130	37.6	209.5	23,500	43.2	219.8	25,800	46.3	224.5	27,300	130
135	34.3	202.6	22,500	40.3	214.2	24,700	43.6	219.5	26,100	135
140	30.8	194.7	21,500	37.3	207.9	23,700	40.7	214.0	24,900	140
144	27.6	187.4	20,900	34.7	202.4	22,800	38.3	209.1	24,100	144
145	26.8	185.6	20,700	34.0	201.0	22,600	37.7	207.9	23,900	145
150	22.2	174.6	19,900	30.4	193.0	21,700	34.5	201.0	22,900	150
155	16.4	160.3	19,200	26.4	183.8	20,800	30.9	193.2	21,900	155
160	6.9	136.1	18,800	21.7	172.6	20,000	27.0	184.2	21,100	160
161	2.0	123.2	16,900	20.5	169.6	19,900	26.1	182.0	20,900	161
163				18.1	163.7	19,600	24.2	177.6	20,600	163
165				15.8	157.8	19,300	22.4	173.3	20,300	165
170				5.3	130.9	19,000	16.7	159.2	19,500	170
175							7.6	136.0	19,000	175
176							3.7	125.9	19,000	176
180										180
185										185
190										190
194										194
195										195
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203										203
205										205
210										210
211										211

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ASME B30.5



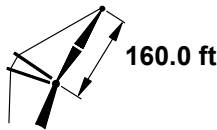
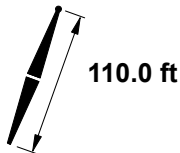
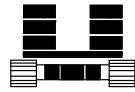
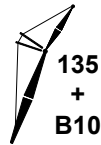
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
48													48
50													50
55													55
60													60
65													65
70													70
75													75
80													80
83													83
85													85
90													90
95													95
100													100
104	62.9	247.4	36,500										104
105	62.5	246.9	36,200										105
110	60.3	244.1	34,900										110
115	58.1	241.1	33,600										115
120	55.8	237.9	32,300										120
125	53.4	234.3	31,000	57.7	237.5	32,800							125
130	51.0	230.5	29,600	55.4	234.2	31,600							130
135	48.5	226.2	28,400	53.0	230.6	30,400							135
140	45.9	221.6	27,200	50.6	226.6	29,200							140
144	43.7	217.5	26,300	48.6	223.2	28,300	52.9	226.6	29,700				144
145	43.2	216.5	26,100	48.1	222.4	28,000	52.4	225.8	29,500				145
150	40.3	210.9	24,900	45.4	217.6	26,900	50.0	221.8	28,600				150
155	37.3	204.7	23,900	42.7	212.5	25,800	47.4	217.4	27,500				155
160	34.0	197.7	22,900	39.8	206.8	24,700	44.8	212.6	26,400				160
161	33.3	196.1	22,700	39.2	205.5	24,500	44.2	211.5	26,200				161
163	31.9	193.0	22,300	37.9	203.0	24,100	43.1	209.4	25,800	47.7	213.2	26,400	163
165	30.4	189.8	21,900	36.7	200.4	23,700	42.0	207.3	25,400	46.6	211.3	25,900	165
170	26.4	180.6	21,000	33.4	193.3	22,700	39.1	201.5	24,400	43.9	206.4	24,900	170
175	21.7	169.4	20,200	29.7	185.2	21,800	35.9	194.9	23,400	41.1	200.9	23,900	175
176	20.5	166.4	20,100	28.9	183.2	21,700	35.2	193.5	23,200	40.5	199.7	23,800	176
180	15.8	154.6	19,600	25.6	175.6	21,000	32.5	187.6	22,500	38.1	194.9	23,000	180
185	5.3	127.7	19,200	20.8	163.9	20,200	28.8	179.1	21,600	34.9	188.1	22,200	185
190				14.4	148.2	19,600	24.5	169.2	20,800	31.4	180.4	21,400	190
194				5.7	125.6	19,300	20.4	159.3	20,200	28.3	173.4	20,800	194
195							19.4	156.8	20,000	27.5	171.6	20,600	195
200							12.5	139.3	19,500	23.0	161.0	19,900	200
203							4.8	119.5	19,300	19.7	152.9	19,400	203
205										17.5	147.5	19,100	205
210										9.3	126.4	18,400	210
211										6.5	119.2	18,300	211

MLC250 S-3

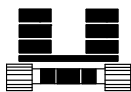
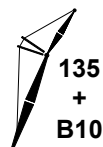
ASME B30.5



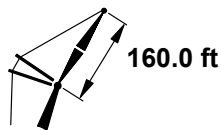
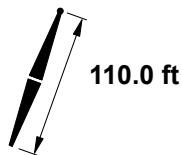
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.9	273.2	41,300							50
55	74.1	271.9	40,500							55
60	72.2	270.4	39,800							60
65	70.3	268.7	38,100							65
70	68.4	266.8	36,500							70
73	67.2	265.6	35,500	70.9	268.3	38,700				73
75	66.5	264.7	34,800	70.1	267.6	38,000				75
80	64.5	262.4	33,300	68.2	265.7	36,500				80
85	62.5	259.9	31,800	66.3	263.6	34,900				85
87	61.7	258.9	31,200	65.5	262.7	34,300	67.7	264.2	35,900	87
90	60.5	257.2	30,400	64.3	261.3	33,400	66.6	262.9	35,000	90
95	58.4	254.3	28,900	62.3	258.8	32,000	64.6	260.6	33,500	95
100	56.2	251.1	27,600	60.3	256.0	30,500	62.6	258.1	32,100	100
105	54.1	247.6	26,200	58.2	253.0	29,100	60.5	255.4	30,600	105
109	52.3	244.6	25,300	56.5	250.5	28,000	58.9	253.1	29,600	109
110	51.8	243.8	25,000	56.1	249.8	27,700	58.5	252.5	29,300	110
115	49.5	239.7	23,800	53.9	246.3	26,400	56.3	249.3	28,000	115
120	47.1	235.3	22,700	51.6	242.5	25,100	54.2	245.8	26,700	120
125	44.6	230.4	21,600	49.3	238.4	23,900	51.9	242.1	25,400	125
130	42.0	225.1	20,600	46.9	233.9	22,800	49.6	238.0	24,200	130
135	39.2	219.3	19,600	44.4	229.0	21,700	47.2	233.5	23,000	135
140	36.3	212.8	18,600	41.8	223.6	20,600	44.7	228.7	21,900	140
145	33.2	205.6	17,800	39.0	217.8	19,600	42.1	223.4	20,900	145
150	29.8	197.4	16,900	36.1	211.3	18,700	39.4	217.6	19,900	150
155	25.9	188.0	16,200	32.9	204.0	17,900	36.5	211.2	18,900	155
160	21.5	176.6	15,400	29.4	195.7	17,000	33.3	204.0	18,000	160
165	15.9	161.8	14,400	25.5	186.1	16,200	29.9	195.9	17,200	165
169	8.5	141.7	13,800	21.9	176.8	15,600	26.9	188.4	16,500	169
170	6.7	136.7	13,600	21.0	174.5	15,400	26.1	186.5	16,400	170
171	1.9	123.3	13,500	19.9	171.4	15,200	25.2	184.3	16,200	171
175				15.3	159.2	14,400	21.7	175.2	15,600	175
180				5.1	131.4	13,700	16.2	160.6	14,600	180
185							7.4	136.6	13,800	185
186							3.6	126.2	13,700	186
190										190
195										195
200										200
204										204
205										205
210										210
213										213
215										215
220										220
221										221

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ASME B30.5



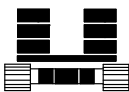
219,600 lb
+
80,000 lb



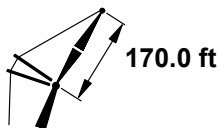
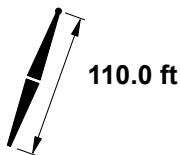
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
50													50
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
87													87
90													90
95													95
100													100
105													105
109	62.7	256.0	31,800										109
110	62.3	255.5	31,500										110
115	60.3	252.8	30,200										115
120	58.2	249.8	28,900										120
125	56.1	246.6	27,700										125
130	53.9	243.1	26,500	57.8	246.2	28,200							130
135	51.6	239.3	25,200	55.7	242.9	27,100							135
140	49.3	235.1	24,100	53.5	239.3	26,000							140
145	46.9	230.7	22,900	51.2	235.5	24,900							145
150	44.4	225.8	21,800	48.9	231.3	23,800	52.9	234.6	25,200				150
155	41.8	220.4	20,800	46.4	226.7	22,700	50.6	230.6	24,300				155
160	39.0	214.5	19,800	43.9	221.8	21,600	48.3	226.4	23,300				160
165	36.1	208.0	18,900	41.3	216.3	20,700	45.8	221.7	22,300				165
169	33.5	202.2	18,200	39.0	211.5	19,900	43.8	217.6	21,500	48.0	221.2	22,700	169
170	32.9	200.7	18,000	38.5	210.3	19,700	43.3	216.6	21,300	47.5	220.3	22,500	170
171	32.2	199.1	17,800	37.9	209.0	19,500	42.7	215.5	21,100	47.0	219.4	22,400	171
175	29.4	192.5	17,100	35.5	203.7	18,800	40.6	211.1	20,300	45.0	215.5	21,700	175
180	25.6	182.9	16,400	32.3	196.2	17,900	37.8	204.9	19,400	42.5	210.3	20,800	180
185	21.0	171.2	15,600	28.8	187.8	17,000	34.7	198.1	18,600	39.7	204.6	19,900	185
186	19.9	168.2	15,400	28.0	185.8	16,900	34.1	196.6	18,400	39.2	203.3	19,700	186
190	15.3	156.0	14,500	24.8	177.9	16,300	31.5	190.4	17,700	36.8	198.3	19,000	190
195	5.1	128.2	13,700	20.1	165.7	15,500	27.9	181.7	16,900	33.7	191.2	18,200	195
200				14.0	149.4	14,400	23.7	171.3	16,100	30.4	183.2	17,400	200
204				5.5	126.1	13,800	19.8	161.0	15,400	27.4	175.8	16,800	204
205							18.8	158.5	15,300	26.6	174.0	16,600	205
210							12.1	140.3	14,300	22.3	163.0	15,900	210
213							4.7	119.9	13,800	19.1	154.6	15,300	213
215										17.0	149.0	14,900	215
220										9.0	127.2	14,000	220
221										6.2	119.7	13,900	221

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



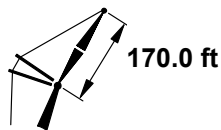
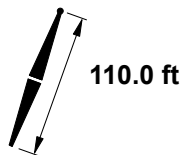
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
53	75.7	282.8	38,100							53
55	75.0	282.3	37,700							55
60	73.3	280.9	36,700							60
65	71.5	279.3	35,200							65
70	69.7	277.5	33,600							70
75	67.9	275.6	32,100							75
76	67.6	275.1	31,800	71.0	277.8	34,700				76
80	66.1	273.4	30,600	69.6	276.4	33,500				80
85	64.2	271.1	29,200	67.8	274.4	32,000				85
90	62.3	268.6	27,800	65.9	272.3	30,600	68.0	273.7	32,000	90
95	60.4	265.9	26,400	64.1	270.0	29,200	66.2	271.6	30,700	95
100	58.5	262.9	25,100	62.2	267.4	27,900	64.3	269.3	29,300	100
105	56.5	259.7	23,900	60.3	264.7	26,600	62.4	266.8	28,000	105
110	54.4	256.3	22,700	58.3	261.7	25,200	60.5	264.1	26,700	110
113	53.2	254.1	22,000	57.1	259.8	24,500	59.3	262.3	26,000	113
115	52.3	252.6	21,500	56.3	258.5	24,000	58.6	261.2	25,400	115
120	50.2	248.6	20,400	54.2	255.0	22,800	56.6	258.0	24,200	120
125	47.9	244.2	19,400	52.1	251.3	21,600	54.5	254.6	23,000	125
130	45.6	239.5	18,400	50.0	247.2	20,500	52.4	250.8	21,900	130
135	43.2	234.4	17,400	47.7	242.9	19,500	50.3	246.8	20,700	135
140	40.7	228.9	16,500	45.4	238.1	18,500	48.0	242.5	19,700	140
145	38.0	222.8	15,600	43.0	233.0	17,500	45.7	237.8	18,600	145
150	35.2	216.0	14,800	40.5	227.4	16,600	43.3	232.8	17,700	150
155	32.2	208.5	14,000	37.8	221.2	15,700	40.8	227.2	16,800	155
156	31.5	206.8	13,800	37.2	219.9	15,500	40.3	226.0	16,600	156
160	28.8	200.0	13,100	34.9	214.5	14,900	38.2	221.1	15,900	160
165	25.1	190.2	12,200	31.9	206.9	14,100	35.3	214.4	15,000	165
170	20.8	178.4	11,300	28.5	198.3	13,100	32.3	207.0	14,200	170
175	15.4	163.1	10,400	24.8	188.3	12,200	29.0	198.5	13,200	175
176	13.6	157.9	10,300	23.9	185.9	12,000	28.3	196.6	13,100	176
180	6.5	137.2	9,800	20.4	176.3	11,300	25.3	188.8	12,300	180
181	1.8	123.5	9,700	19.3	173.1	11,100	24.5	186.5	12,100	181
185				14.8	160.5	10,400	21.0	177.1	11,500	185
190				5.0	131.8	9,800	15.7	162.0	10,600	190
195							7.1	137.2	9,900	195
196							3.5	126.5	9,800	196
200										200
205										205
210										210
214										214
220										220
223										223
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231										231

MLC250 S-3

ASME B30.5



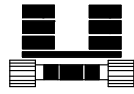
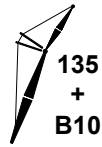
219,600 lb
+
80,000 lb



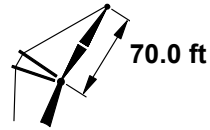
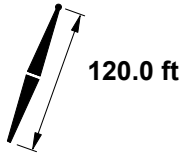
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
95													95
100													100
105													105
110													110
113	62.9	265.2	28,000										113
115	62.2	264.2	27,500										115
120	60.3	261.5	26,300										120
125	58.3	258.5	25,100										125
130	56.3	255.3	23,900										130
135	54.2	251.8	22,800	57.9	254.8	24,500							135
140	52.1	248.1	21,700	55.9	251.6	23,500							140
145	50.0	244.0	20,600	53.9	248.1	22,400							145
150	47.7	239.6	19,600	51.7	244.3	21,300							150
155	45.4	234.9	18,600	49.6	240.2	20,300							155
156	44.9	233.9	18,400	49.1	239.3	20,100	52.9	242.6	21,600				156
160	43.0	229.8	17,600	47.3	235.7	19,400	51.2	239.5	20,800				160
165	40.5	224.2	16,700	45.0	230.9	18,400	49.0	235.3	19,900				165
170	37.8	218.0	15,800	42.5	225.7	17,500	46.8	230.8	18,900				170
175	34.9	211.2	15,000	40.0	220.0	16,500	44.4	225.9	18,000				175
176	34.3	209.7	14,800	39.4	218.8	16,400	43.9	224.8	17,900	47.9	228.4	19,100	176
180	31.9	203.6	14,100	37.3	213.8	15,700	41.9	220.5	17,200	46.0	224.7	18,500	180
181	31.2	201.9	13,900	36.7	212.4	15,600	41.4	219.4	17,000	45.5	223.6	18,300	181
185	28.5	195.1	13,200	34.4	206.8	14,900	39.3	214.7	16,300	43.6	219.6	17,600	185
190	24.8	185.1	12,300	31.3	199.1	14,000	36.6	208.3	15,500	41.1	214.1	16,700	190
195	20.4	173.1	11,400	27.9	190.3	13,100	33.7	201.2	14,700	38.5	208.1	16,000	195
196	19.3	169.9	11,200	27.1	188.2	12,900	33.0	199.6	14,500	37.9	206.8	15,800	196
200	14.8	157.3	10,500	24.0	180.0	12,100	30.5	193.2	13,800	35.7	201.5	15,100	200
205	5.0	128.6	9,800	19.5	167.5	11,300	27.0	184.1	12,900	32.7	194.2	14,500	205
210				13.6	150.6	10,500	23.0	173.4	12,000	29.4	185.9	13,600	210
214				5.3	126.6	9,900	18.5	160.6	11,300	26.3	177.5	12,800	214
220							11.7	141.4	10,300	21.6	164.9	11,700	220
223							4.5	120.3	9,900	17.7	153.8	11,200	223
230										8.7	128.0	10,100	230
231										6.1	120.3	10,000	231

MLC250 S-3

ASME B30.5



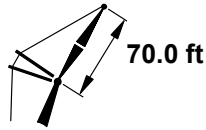
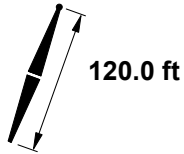
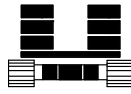
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
29	75.5	195.8	106,400 d						29	
30	74.6	195.5	106,400 d						30	
35	70.3	194.0	106,200 c						35	
40	65.9	191.9	106,000 c						40	
45	61.4	189.5	102,100 b	70.7	193.1	110,300 c			45	
50	56.6	186.5	97,600 b	66.3	191.1	109,300 c			50	
55	51.5	182.8	93,700 b	61.7	188.7	104,300 b	67.4	190.6	110,700 c	55
60	46.1	178.4	90,100	57.0	185.7	99,900 b	62.9	188.3	105,900 b	60
65	40.1	173.1	80,800	52.0	182.1	95,900 b	58.1	185.4	100,600 b	65
70	33.2	166.4	73,100	46.6	177.8	90,900	53.2	182.0	93,500 b	70
75	24.8	157.4	66,500	40.6	172.6	81,500	47.9	177.9	87,200	75
80	11.6	142.1	51,400	33.8	166.0	73,700	42.1	172.9	80,600	80
81	6.4	135.8	47,000	32.2	164.2	72,400	40.8	171.6	79,500	81
85				25.6	157.2	67,200	35.6	166.7	74,900	85
86				23.1	154.4	65,100	34.0	165.1	73,600	86
90				13.2	143.0	56,500	27.8	158.6	68,700	90
91				9.0	137.9	52,500	25.6	156.1	67,500	91
95							17.0	146.4	62,900	95
98							2.2	128.7	49,200	98
100									100	
105									105	
108									108	
110									110	
114									114	
115									115	
118									118	
120									120	
125									125	
127									127	
130									130	
135									135	
136									136	

MLC250 S-3

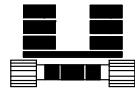
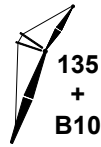
ASME B30.5



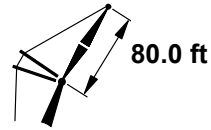
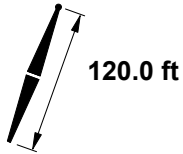
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
29													29
30													30
35													35
40													40
45													45
50													50
55													55
60													60
65													65
70	63.0	185.9	90,600 b										70
75	58.3	183.1	83,200 b										75
80	53.4	179.7	76,900 b										80
81	52.3	178.9	75,800 b										81
85	48.1	175.6	71,400										85
86	46.9	174.6	70,500	57.3	179.1	67,100 b							86
90	42.3	170.6	66,600	53.3	176.3	63,500 b							90
91	41.0	169.4	65,800	52.2	175.5	62,600 b							91
95	35.8	164.5	62,400	48.0	172.2	59,400							95
98	31.2	159.7	60,100	44.5	169.2	57,200							98
100	28.1	156.5	58,600	42.2	167.2	55,800	52.9	171.8	53,100 b				100
105	17.5	144.5	55,100	35.7	161.0	52,600	47.6	167.6	50,000				105
108	4.7	129.2	53,100	31.0	156.2	50,800	44.1	164.6	48,300				108
110				27.9	153.0	49,600	41.7	162.6	47,200				110
114				19.4	143.4	47,400	36.4	157.5	45,200	47.8	162.8	42,900	114
115				17.3	141.0	46,900	35.1	156.3	44,700	46.7	161.9	42,400	115
118				3.8	124.9	45,300	30.4	151.3	43,300	43.1	158.7	41,100	118
120							27.2	148.0	42,300	40.7	156.7	40,200	120
125							16.1	135.4	40,200	34.0	150.1	38,200	125
127							8.4	126.2	39,300	30.7	146.6	37,500	127
130										25.8	141.4	36,300	130
135										13.6	127.4	34,600	135
136										9.4	122.5	34,200	136

MLC250 S-3

ASME B30.5



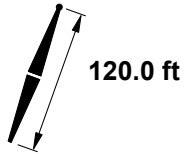
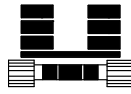
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	75.9	205.6	97,700 d						31	
35	72.9	204.5	97,400 d						35	
40	69.1	202.8	97,100 c						40	
45	65.2	200.7	94,000 c						45	
48	62.8	199.1	91,500 c	70.9	202.6	100,600 c			48	
50	61.2	198.1	89,800 b	69.4	201.9	100,500 c			50	
55	57.0	195.1	86,000 b	65.5	199.8	96,000 b			55	
58	54.4	193.0	83,900 b	63.1	198.3	93,600 b	68.0	200.2	98,800 c	
60	52.6	191.6	82,500 b	61.5	197.3	92,000 b	66.5	199.3	97,300 b	
65	48.0	187.5	79,400	57.4	194.4	88,100	62.5	196.9	93,300 b	
70	42.9	182.5	73,100	53.0	190.9	84,700	58.4	194.1	89,600 b	
75	37.4	176.6	66,600	48.4	186.8	81,500	54.1	190.8	86,100	
80	31.0	169.3	61,100	43.4	182.0	73,700	49.5	186.8	80,400	
85	23.1	159.5	56,400	37.9	176.1	67,100	44.6	182.2	74,700	
90	10.9	143.1	45,300	31.6	168.9	61,600	39.3	176.6	68,600	
91	6.0	136.4	41,600	30.1	167.0	60,600	38.0	175.2	67,400	
95				23.9	159.4	56,800	33.2	169.8	62,800	
100				12.4	144.2	49,900	25.9	161.0	57,900	
101				8.4	138.7	46,500	23.9	158.3	57,000	
105							15.9	147.9	53,600	
106							11.3	141.5	50,300	
108							2.1	128.9	43,800	
110									110	
115									115	
118									118	
120									120	
121									121	
125									125	
128									128	
130									130	
135									135	
137									137	
140									140	
145									145	
146									146	

MLC250 S-3

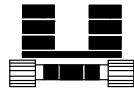
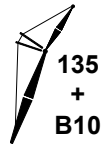
ASME B30.5



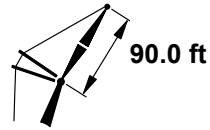
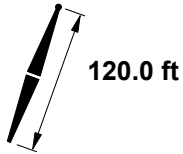
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
31													31
35													35
40													40
45													45
48													48
50													50
55													55
58													58
60													60
65													65
70													70
75	62.6	194.6	82,900 b										75
80	58.5	191.7	76,600 b										80
85	54.2	188.4	71,100										85
90	49.7	184.5	66,300										90
91	48.7	183.6	65,500	57.6	187.7	62,200 b							91
95	44.8	179.9	62,100	54.2	185.0	59,000							95
100	39.5	174.4	58,300	49.6	181.1	55,500							100
101	38.3	173.0	57,700	48.6	180.2	54,800							101
105	33.4	167.6	54,900	44.7	176.5	52,200							105
106	32.0	165.8	54,300	43.7	175.4	51,700	52.9	179.8	49,000				106
108	29.1	162.3	53,100	41.5	173.1	50,500	51.1	178.2	47,900				108
110	26.2	158.9	51,900	39.4	170.9	49,300	49.2	176.6	46,800				110
115	16.3	146.0	49,000	33.3	164.1	46,700	44.3	171.9	44,300				115
118	4.4	129.6	47,400	29.0	158.9	45,200	41.1	168.5	43,000				118
120				26.1	155.4	44,300	38.9	166.2	42,000				120
121				24.1	152.8	43,800	37.7	164.9	41,600	47.5	170.0	39,400	121
125				16.2	142.4	42,000	32.8	159.3	39,900	43.5	166.0	37,900	125
128				3.6	125.2	40,700	28.4	153.9	38,800	40.2	162.5	36,800	128
130							25.4	150.4	38,000	38.0	160.2	36,000	130
135							15.1	136.8	36,200	31.7	153.0	34,300	135
137							7.9	126.9	35,400	28.7	149.3	33,700	137
140										24.1	143.6	32,800	140
145										12.7	128.5	31,200	145
146										8.8	123.3	30,900	146

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ASME B30.5



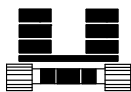
219,600 lb
+
80,000 lb



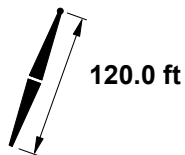
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.5	215.2	88,000 d						34	
35	74.8	214.9	87,900 d						35	
40	71.5	213.4	86,400 c						40	
45	68.1	211.5	82,500 c						45	
50	64.6	209.4	78,900 b						50	
52	63.2	208.3	77,500 b	70.4	211.8	86,200 c			52	
55	61.1	206.8	75,500 b	68.4	210.7	84,100 b			55	
60	57.3	203.8	72,400 b	64.9	208.5	80,500 b			60	
62	55.8	202.4	71,200 b	63.5	207.5	79,200 b	67.8	209.3	83,500 b	62
65	53.5	200.4	69,500	61.4	206.0	77,200	65.8	208.0	81,500 b	65
70	49.4	196.4	66,900	57.7	203.1	74,200	62.2	205.6	78,400 b	70
75	45.1	191.8	64,500	53.8	199.7	71,300	58.6	202.8	75,400	75
80	40.4	186.3	61,800	49.8	195.7	68,700	54.8	199.5	72,500	80
85	35.2	179.9	56,900	45.5	191.2	66,200	50.8	195.7	69,900	85
90	29.2	171.9	52,700	40.8	185.8	62,200	46.5	191.3	67,400	90
95	21.8	161.5	49,000	35.6	179.5	57,300	41.9	186.1	63,500	95
96	19.5	158.0	47,200	34.5	177.9	56,500	40.9	184.9	62,500	96
100	10.3	144.1	40,000	29.7	171.7	53,100	36.9	180.0	58,400	100
101	5.7	136.9	36,800	28.3	169.6	52,300	35.8	178.6	57,600	101
105				22.5	161.5	49,400	31.2	172.7	54,100	105
110				11.7	145.2	44,000	24.4	163.2	50,200	110
111				7.9	139.4	41,200	22.5	160.4	49,500	111
112							20.6	157.6	48,800	112
115							15.0	149.2	46,700	115
118							2.0	129.1	39,000	118
120										120
125										125
128										128
130										130
135										135
138										138
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147										147
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155										155
156										156

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ASME B30.5



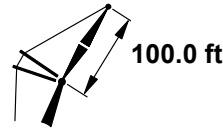
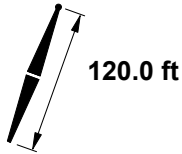
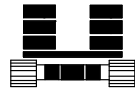
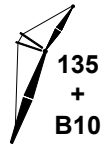
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
35													35
40													40
45													45
50													50
52													52
55													55
60													60
62													62
65													65
70													70
75													75
80	62.4	203.2	76,400 b										80
85	58.7	200.4	70,900										85
90	54.9	197.1	66,100										90
95	50.9	193.4	61,900										95
96	50.0	192.5	61,200	57.9	196.4	58,100							96
100	46.7	189.0	58,200	54.8	193.7	55,300							100
101	45.8	187.9	57,500	54.0	193.0	54,600							101
105	42.1	183.9	54,800	50.8	190.0	52,100							105
110	37.1	177.8	51,800	46.6	185.6	49,200							110
111	36.0	176.4	51,200	45.7	184.5	48,600							111
112	34.9	174.9	50,700	44.8	183.5	48,100	52.9	187.8	45,600				112
115	31.5	170.5	49,000	42.0	180.4	46,600	50.5	185.4	44,100				115
118	27.4	164.9	47,500	39.0	176.8	45,100	47.9	182.8	42,800				118
120	24.7	161.1	46,500	37.0	174.4	44,200	46.2	181.0	41,900				120
125	15.4	147.4	44,100	31.4	167.0	42,000	41.7	175.8	39,800				125
128	4.1	130.0	42,700	27.3	161.4	40,800	38.6	172.1	38,600	47.3	177.1	36,600	128
130				24.6	157.6	39,900	36.6	169.7	37,900	45.5	175.2	35,800	130
135				15.2	143.8	38,000	30.9	162.2	36,100	40.9	169.9	34,200	135
138				3.4	125.5	36,900	26.7	156.4	35,100	37.8	166.1	33,200	138
140							24.0	152.5	34,500	35.7	163.6	32,600	140
145							14.2	138.1	32,900	29.9	155.8	31,200	145
147							7.4	127.6	32,200	27.0	151.7	30,600	147
150										22.7	145.7	29,800	150
155										11.9	129.6	28,500	155
156										8.3	124.0	28,200	156

MLC250 S-3

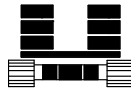
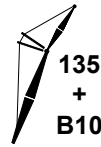
ASME B30.5



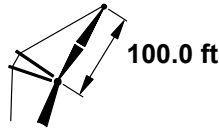
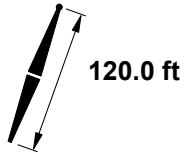
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
36	75.8	225.0	80,600 d							36
40	73.4	223.9	80,100 c							40
45	70.4	222.2	77,200 c							45
50	67.3	220.3	73,700 b							50
55	64.2	218.0	70,400 b	70.6	221.4	78,300 b				55
60	61.0	215.5	67,300 b	67.6	219.5	75,000 b				60
65	57.6	212.5	64,400	64.4	217.2	71,800				65
66	56.9	211.8	63,900	63.8	216.7	71,200	67.7	218.5	75,000 b	66
70	54.2	209.1	61,800	61.2	214.7	68,800	65.2	216.8	72,700	70
75	50.5	205.2	59,300	57.9	211.7	66,000	62.0	214.3	69,700	75
80	46.7	200.8	57,000	54.5	208.4	63,200	58.7	211.4	67,000	80
84	43.5	196.8	55,300	51.6	205.3	61,200	56.0	208.8	64,800	84
85	42.6	195.8	54,800	50.8	204.6	60,700	55.3	208.2	64,300	85
90	38.2	189.9	52,500	47.0	200.2	58,400	51.7	204.5	61,800	90
95	33.3	183.0	48,800	43.0	195.2	56,200	48.0	200.3	59,400	95
100	27.7	174.5	45,500	38.6	189.4	52,800	44.0	195.4	57,200	100
102	24.9	170.0	44,300	36.7	186.7	51,300	42.3	193.2	55,800	102
105	20.7	163.3	42,500	33.8	182.6	49,100	39.7	189.8	53,800	105
110	9.7	144.9	35,700	28.2	174.3	45,800	35.0	183.3	50,000	110
111	5.4	137.4	33,000	26.8	172.1	45,200	33.9	181.7	49,300	111
115				21.3	163.4	42,900	29.6	175.4	46,600	115
118				15.2	153.1	40,800	25.7	169.3	44,800	118
120				11.1	146.2	39,400	23.2	165.3	43,600	120
121				7.5	140.1	36,900	21.4	162.3	43,000	121
125							14.2	150.5	40,700	125
128							1.9	129.2	35,100	128
130										130
134										134
135										135
138										138
140										140
145										145
148										148
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157										157
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165										165
166										166

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ASME B30.5



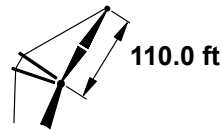
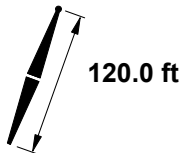
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
40													40
45													45
50													50
55													55
60													60
65													65
66													66
70													70
75													75
80													80
84	62.8	212.4	69,800										84
85	62.1	211.9	69,400										85
90	58.8	209.1	65,800										90
95	55.4	205.8	61,600										95
100	51.9	202.2	57,800										100
102	50.4	200.5	56,500	57.4	204.4	53,500							102
105	48.1	198.0	54,500	55.4	202.5	51,700							105
110	44.1	193.2	51,500	51.8	198.8	48,800							110
111	43.3	192.0	50,900	51.1	197.9	48,300							111
115	39.9	187.6	48,700	48.1	194.6	46,200							115
118	37.0	183.7	47,200	45.7	191.7	44,800	53.0	195.8	42,300				118
120	35.2	181.1	46,200	44.1	189.7	43,800	51.5	194.3	41,500				120
121	34.1	179.5	45,800	43.2	188.6	43,400	50.7	193.4	41,100				121
125	29.8	173.2	43,900	39.8	184.2	41,700	47.7	190.0	39,400				125
128	26.0	167.2	42,700	37.0	180.3	40,500	45.3	187.1	38,300				128
130	23.4	163.2	41,800	35.1	177.6	39,700	43.7	185.1	37,500				130
134	16.4	151.6	40,200	30.8	171.3	38,200	40.3	180.6	36,100	47.9	185.2	34,100	134
135	14.6	148.7	39,800	29.7	169.8	37,800	39.4	179.5	35,800	47.1	184.3	33,800	135
138	3.9	130.3	38,600	25.9	163.7	36,800	36.6	175.5	34,800	44.7	181.3	32,900	138
140				23.3	159.7	36,100	34.7	172.9	34,200	43.1	179.3	32,300	140
145				14.4	145.1	34,500	29.3	164.9	32,600	38.7	173.5	30,800	145
148				3.2	125.8	33,500	25.3	158.7	31,800	35.8	169.4	30,000	148
150							22.7	154.6	31,200	33.9	166.7	29,500	150
155							13.5	139.3	29,900	28.3	158.4	28,200	155
157							7.0	128.2	29,300	25.6	154.1	27,800	157
160										21.5	147.6	27,100	160
165										11.3	130.6	25,900	165
166										7.9	124.7	25,700	166

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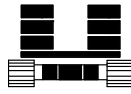
ASME B30.5



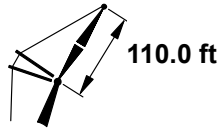
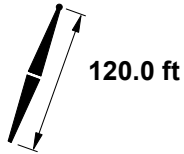
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	76.0	234.8	74,000 d							38
40	75.0	234.3	73,700 c							40
45	72.2	232.8	71,800 c							45
50	69.5	231.1	69,000 c							50
55	66.7	229.0	66,500 b							55
58	64.9	227.7	64,900 b	70.8	230.9	71,000 b				58
60	63.8	226.7	63,900 b	69.7	230.2	70,100 b				60
65	60.9	224.1	61,600	66.9	228.2	67,700				65
70	57.8	221.2	59,300	64.1	225.9	65,300	67.6	227.7	68,000	70
75	54.7	217.8	57,100	61.1	223.3	63,000	64.7	225.5	65,900	75
80	51.4	214.1	55,000	58.1	220.4	60,700	61.8	222.9	63,700	80
85	48.0	209.8	52,900	55.0	217.1	58,400	58.8	220.1	61,500	85
89	45.1	206.0	51,300	52.4	214.1	56,600	56.3	217.5	59,700	89
90	44.4	205.0	50,900	51.7	213.4	56,100	55.7	216.9	59,200	90
95	40.6	199.6	48,500	48.3	209.2	54,000	52.5	213.3	57,000	95
100	36.4	193.3	45,100	44.7	204.4	52,100	49.2	209.2	54,900	100
105	31.7	185.9	41,900	40.9	199.0	49,900	45.6	204.6	52,900	105
107	29.6	182.3	40,800	39.2	196.6	48,500	44.1	202.5	52,100	107
110	26.4	176.9	39,100	36.8	192.8	46,400	41.8	199.4	50,900	110
115	19.7	165.1	36,700	32.1	185.5	43,300	37.8	193.4	47,300	115
120	9.3	145.8	30,900	26.9	176.7	40,500	33.3	186.4	44,100	120
121	5.1	137.8	28,400	25.5	174.4	39,900	32.3	184.7	43,500	121
124				21.6	167.5	38,400	29.2	179.6	41,800	124
125				20.3	165.2	37,800	28.2	177.9	41,200	125
130				10.5	147.1	34,500	22.1	167.3	38,500	130
131				7.2	140.7	32,100	20.4	164.2	38,000	131
135							13.5	151.7	36,000	135
138							1.8	129.4	30,500	138
140										140
141										141
145										145
148										148
150										150
155										155
158										158
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MLC250 S-3

ASME B30.5



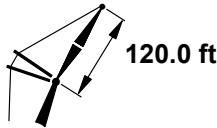
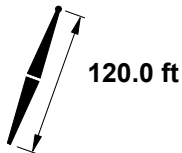
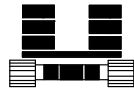
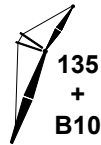
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
50													50
55													55
58													58
60													60
65													65
70													70
75													75
80													80
85													85
89	62.5	221.1	63,500										89
90	61.9	220.6	63,100										90
95	58.9	217.7	61,300										95
100	55.8	214.5	57,800										100
105	52.6	210.9	54,500										105
107	51.3	209.3	53,300	57.7	213.1	50,500							107
110	49.3	206.9	51,500	55.8	211.1	48,800							110
115	45.7	202.3	48,700	52.6	207.5	46,200							115
120	42.0	197.1	46,200	49.2	203.5	43,800							120
121	41.2	195.9	45,800	48.5	202.6	43,400							121
124	38.7	192.3	44,400	46.4	199.8	42,100	53.0	203.8	39,800				124
125	37.9	191.1	44,000	45.7	198.9	41,700	52.3	203.0	39,400				125
130	33.5	184.2	41,900	41.9	193.7	39,700	48.9	198.9	37,500				130
131	32.4	182.5	41,500	41.1	192.5	39,300	48.2	198.0	37,200				131
135	28.4	175.8	39,900	37.9	187.7	37,800	45.4	194.3	35,800				135
138	24.7	169.5	38,900	35.2	183.5	36,800	43.1	191.1	34,800				138
140	22.3	165.3	38,100	33.4	180.7	36,100	41.6	189.0	34,200				140
141	20.6	162.2	37,700	32.4	179.0	35,800	40.8	187.8	33,900	47.7	192.3	31,900	141
145	13.9	150.0	36,200	28.3	172.3	34,600	37.5	183.0	32,700	44.8	188.5	30,800	145
148	3.7	130.7	34,300	24.6	166.0	33,700	34.8	178.7	31,800	42.5	185.3	30,000	148
150				22.2	161.7	33,100	33.0	175.9	31,300	41.0	183.1	29,500	150
155				13.8	146.3	31,700	27.9	167.4	30,000	36.8	176.9	28,300	155
158				3.1	126.1	30,800	24.1	160.9	29,200	34.1	172.5	27,600	158
160							21.6	156.6	28,700	32.2	169.6	27,100	160
165							12.9	140.5	27,500	27.0	160.8	26,000	165
167							6.7	128.8	27,100	24.4	156.3	25,600	167
170										20.5	149.5	25,000	170
175										10.8	131.6	24,000	175
176										7.5	125.4	23,800	176

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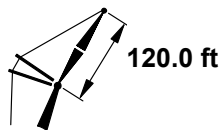
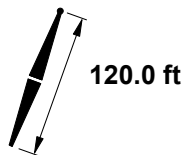
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41	75.7	244.3	55,000 c							41
45	73.8	243.2	54,000 b							45
50	71.3	241.7	52,800 b							50
55	68.7	239.8	51,700 b							55
60	66.1	237.8	50,600							60
61	65.6	237.3	50,400	71.0	240.5	53,500 b				61
65	63.5	235.4	49,600	68.9	239.0	52,800				65
70	60.8	232.8	48,600	66.4	236.9	51,900				70
73	59.1	231.0	48,000	64.8	235.5	51,400	68.0	237.2	52,300	73
75	58.0	229.8	47,600	63.7	234.6	51,100	67.0	236.4	52,000	75
80	55.2	226.5	46,800	61.0	232.0	50,300	64.4	234.1	51,400	80
85	52.2	222.8	45,200	58.3	229.1	49,500	61.7	231.6	50,800	85
90	49.1	218.7	43,500	55.4	225.8	47,800	58.9	228.7	50,100	90
93	47.2	216.0	42,500	53.6	223.6	46,700	57.2	226.8	49,100	93
95	45.9	214.2	41,800	52.5	222.2	46,000	56.1	225.6	48,400	95
100	42.4	209.0	40,300	49.4	218.1	44,200	53.2	222.0	46,600	100
105	38.8	203.2	38,900	46.1	213.5	42,500	50.1	218.1	44,800	105
110	34.8	196.5	37,600	42.7	208.4	41,000	46.9	213.6	43,100	110
112	33.0	193.3	36,800	41.3	206.1	40,400	45.6	211.6	42,500	112
115	30.3	188.7	35,600	39.1	202.7	39,600	43.6	208.7	41,600	115
120	25.2	179.2	33,600	35.1	196.1	38,200	40.0	203.1	40,100	120
125	18.9	166.8	31,700	30.7	188.4	37,000	36.1	196.7	38,700	125
130	8.9	146.5	27,700	25.7	179.0	35,900	31.8	189.3	37,500	130
131	4.9	138.3	25,500	24.4	176.6	35,500	30.9	187.5	37,300	131
135				19.5	167.0	33,700	27.0	180.4	36,400	135
140				10.1	148.1	31,000	21.1	169.2	34,300	140
141				6.9	141.3	28,900	19.5	165.9	33,900	141
145							13.0	152.9	32,200	145
148							1.7	129.6	27,500	148
150										150
155										155
158										158
160										160
165										165
168										168
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177										177
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185										185
186										186

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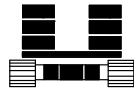
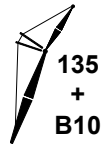
219,600 lb
+
80,000 lb



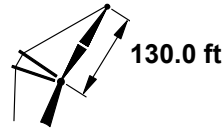
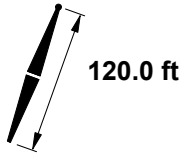
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41													41
45													45
50													50
55													55
60													60
61													61
65													65
70													70
73													73
75													75
80													80
85													85
90													90
93	62.8	230.3	50,100										93
95	61.8	229.2	50,000										95
100	59.0	226.4	49,700										100
105	56.2	223.2	48,300										105
110	53.3	219.7	46,600										110
112	52.1	218.1	45,900	57.9	221.8	47,300							112
115	50.2	215.7	44,900	56.2	219.8	45,800							115
120	47.1	211.3	43,300	53.2	216.3	43,500							120
125	43.7	206.4	41,800	50.2	212.3	41,300							125
130	40.1	200.8	40,400	47.0	207.9	39,300	53.0	211.8	37,100				130
131	39.3	199.6	40,100	46.3	206.9	39,000	52.4	211.0	36,800				131
135	36.3	194.5	39,000	43.6	203.0	37,500	49.9	207.8	35,400				135
140	32.0	187.1	37,700	40.1	197.4	35,800	46.7	203.4	33,800				140
141	31.0	185.3	37,400	39.3	196.1	35,500	46.1	202.4	33,500				141
145	27.2	178.3	36,200	36.2	191.0	34,300	43.4	198.4	32,300				145
148	23.7	171.6	35,200	33.6	186.6	33,400	41.2	195.0	31,500	47.5	199.5	29,600	148
150	21.4	167.2	34,500	31.9	183.6	32,800	39.8	192.7	30,900	46.2	197.6	29,100	150
155	13.3	151.2	32,300	27.1	174.8	31,400	35.9	186.3	29,600	42.8	192.5	27,900	155
158	3.6	131.0	30,900	23.6	168.1	30,700	33.3	181.8	28,900	40.6	189.1	27,200	158
160				21.3	163.7	30,100	31.6	178.8	28,400	39.2	186.8	26,800	160
165				13.2	147.5	28,900	26.7	169.8	27,300	35.2	180.2	25,700	165
168				2.9	126.3	28,100	23.1	163.0	26,600	32.6	175.5	25,100	168
170							20.7	158.4	26,200	30.8	172.5	24,700	170
175							12.3	141.6	25,200	25.8	163.2	23,700	175
177							6.4	129.4	24,700	23.3	158.4	23,300	177
180										19.6	151.2	22,800	180
185										10.3	132.5	21,900	185
186										7.2	126.0	21,700	186

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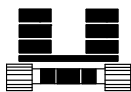
219,600 lb
+
80,000 lb



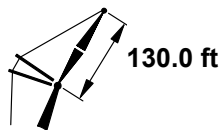
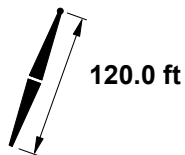
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43	76.0	254.1	51,400 c							43
45	75.0	253.6	50,900 b							45
50	72.7	252.2	49,800 b							50
55	70.4	250.5	48,800							55
60	68.1	248.6	47,900							60
65	65.7	246.5	46,900	70.6	249.7	49,600				65
70	63.2	244.1	46,100	68.3	247.8	48,900				70
75	60.7	241.4	45,100	65.9	245.7	48,100				75
77	59.7	240.3	44,400	64.9	244.7	47,900	67.9	246.4	48,500	77
80	58.2	238.5	43,400	63.4	243.3	47,500	66.5	245.1	48,200	80
85	55.5	235.2	41,700	60.9	240.7	45,900	64.0	242.8	47,600	85
90	52.8	231.6	40,100	58.4	237.7	44,100	61.5	240.3	46,300	90
95	50.0	227.6	38,500	55.8	234.5	42,500	59.0	237.4	44,600	95
98	48.2	225.0	37,700	54.1	232.3	41,500	57.4	235.5	43,600	98
100	47.1	223.2	37,100	53.1	230.9	40,800	56.4	234.2	43,000	100
105	44.0	218.3	35,800	50.2	227.0	39,300	53.7	230.8	41,400	105
110	40.7	212.8	34,400	47.3	222.6	37,800	50.9	226.9	39,800	110
115	37.2	206.6	33,200	44.2	217.7	36,400	48.0	222.6	38,300	115
117	35.7	203.8	32,700	42.9	215.5	35,800	46.8	220.7	37,800	117
120	33.4	199.5	32,000	41.0	212.3	35,000	45.0	217.9	36,900	120
125	29.1	191.3	31,000	37.5	206.1	33,800	41.8	212.6	35,500	125
130	24.2	181.4	29,300	33.7	199.2	32,600	38.4	206.6	34,300	130
135	18.1	168.4	27,700	29.5	191.0	31,600	34.7	199.9	33,100	135
136	16.2	164.2	27,100	28.5	189.1	31,400	33.8	198.3	32,900	136
140	8.5	147.3	24,800	24.7	181.3	30,600	30.6	192.1	32,000	140
141	4.7	138.7	22,800	23.5	178.7	30,400	29.6	190.2	31,800	141
145				18.7	168.7	29,800	25.9	182.7	31,000	145
150				9.7	148.9	27,700	20.3	171.0	30,200	150
151				6.6	141.9	25,900	18.7	167.6	29,900	151
154							14.0	157.4	29,000	154
155							12.4	154.0	28,700	155
158							1.7	129.7	24,700	158
160										160
165										165
168										168
170										170
175										175
178										178
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196										196

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ASME B30.5



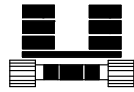
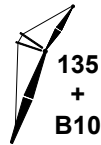
219,600 lb
+
80,000 lb



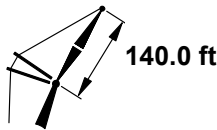
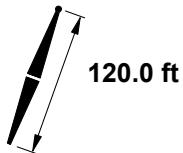
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
55													55
60													60
65													65
70													70
75													75
77													77
80													80
85													85
90													90
95													95
98	62.6	239.0	46,300										98
100	61.6	237.9	45,800										100
105	59.1	235.1	44,300										105
110	56.5	231.9	42,800										110
115	53.8	228.4	41,300										115
117	52.7	226.9	40,700	58.0	230.5	42,800							117
120	51.0	224.6	39,900	56.5	228.5	42,100							120
125	48.1	220.3	38,400	53.8	225.0	40,800							125
130	45.1	215.6	37,100	51.0	221.2	39,100							130
135	41.9	210.3	35,700	48.1	216.9	37,300							135
136	41.2	209.1	35,500	47.5	216.0	36,900	53.0	219.8	34,800				136
140	38.5	204.4	34,500	45.1	212.2	35,600	50.8	216.7	33,600				140
141	37.7	203.1	34,300	44.4	211.1	35,300	50.2	215.8	33,300				141
145	34.8	197.7	33,300	41.9	206.9	34,000	47.9	212.4	32,100				145
150	30.7	189.9	32,200	38.4	201.0	32,600	44.8	207.6	30,700				150
151	29.8	188.0	32,000	37.7	199.6	32,300	44.2	206.5	30,400				151
154	27.0	182.5	31,400	35.5	195.6	31,500	42.2	203.3	29,700	48.0	207.5	27,900	154
155	26.1	180.7	31,200	34.7	194.2	31,200	41.6	202.3	29,400	47.4	206.6	27,700	155
158	22.7	173.7	30,700	32.3	189.6	30,500	39.5	198.7	28,700	45.5	203.7	27,000	158
160	20.5	169.0	30,300	30.7	186.4	30,000	38.1	196.3	28,200	44.3	201.8	26,500	160
165	12.8	152.3	28,800	26.0	177.2	28,800	34.4	189.5	27,100	41.0	196.3	25,500	165
168	3.4	131.3	27,600	22.6	170.2	28,100	31.9	184.7	26,500	39.0	192.7	24,900	168
170				20.4	165.5	27,700	30.3	181.6	26,000	37.6	190.2	24,500	170
175				12.7	148.7	26,600	25.6	172.1	25,000	33.8	183.3	23,500	175
178				2.8	126.6	25,900	22.2	165.0	24,500	31.3	178.4	23,000	178
180							19.9	160.2	24,100	29.6	175.2	22,600	180
185							11.8	142.6	23,100	24.8	165.4	21,800	185
187							6.2	130.0	22,800	22.4	160.4	21,400	187
190										18.8	152.9	20,900	190
195										9.9	133.4	20,100	195
196										6.9	126.7	20,000	196

MLC250 S-3

ASME B30.5



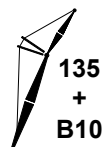
219,600 lb
+
80,000 lb



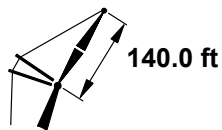
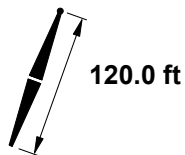
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46	75.7	263.7	47,500 b							46
50	74.0	262.6	46,800 b							50
55	71.9	261.1	45,900							55
60	69.7	259.3	45,000							60
65	67.5	257.4	44,200							65
68	66.2	256.1	43,500	70.8	259.2	46,000				68
70	65.3	255.2	43,100	69.9	258.5	45,700				70
75	63.0	252.8	41,400	67.7	256.5	45,000				75
80	60.7	250.1	39,700	65.5	254.4	43,700				80
81	60.2	249.5	39,400	65.0	253.9	43,300	67.8	255.6	44,700	81
85	58.3	247.2	38,100	63.2	252.0	42,000	66.0	253.9	43,900	85
90	55.9	243.9	36,500	60.9	249.3	40,300	63.7	251.5	42,300	90
95	53.4	240.4	35,000	58.5	246.4	38,700	61.4	248.9	40,700	95
100	50.8	236.5	33,600	56.1	243.2	37,100	59.1	246.1	39,100	100
102	49.7	234.7	33,100	55.1	241.8	36,500	58.1	244.8	38,500	102
105	48.1	232.2	32,200	53.6	239.7	35,600	56.7	242.9	37,600	105
110	45.3	227.5	30,900	51.0	235.8	34,200	54.2	239.5	36,100	110
115	42.3	222.2	29,700	48.3	231.5	32,800	51.6	235.7	34,600	115
120	39.2	216.4	28,500	45.5	226.9	31,500	49.0	231.5	33,300	120
123	37.1	212.5	27,800	43.7	223.7	30,700	47.3	228.8	32,500	123
125	35.8	209.9	27,400	42.6	221.7	30,200	46.2	227.0	32,000	125
130	32.1	202.5	26,400	39.4	215.9	29,000	43.3	221.9	30,600	130
135	28.0	193.9	25,400	36.1	209.5	27,900	40.2	216.3	29,400	135
140	23.3	183.5	24,500	32.5	202.1	26,800	36.9	210.0	28,300	140
142	21.0	178.1	24,200	30.8	198.7	26,400	35.5	207.2	27,800	142
145	17.4	170.0	23,800	28.4	193.6	25,800	33.4	202.9	27,200	145
150	8.2	148.0	22,100	23.8	183.4	24,900	29.4	194.7	26,200	150
151	4.5	139.1	20,300	22.6	180.8	24,700	28.5	192.8	26,000	151
155				18.0	170.3	24,200	24.9	185.0	25,300	155
160				9.3	149.7	23,700	19.5	172.8	24,400	160
161				6.3	142.5	23,200	18.0	169.2	24,300	161
165							12.0	155.1	23,900	165
168							1.6	129.8	22,200	168
170										170
175										175
178										178
180										180
185										185
188										188
190										190
195										195
197										197
200										200
206										206

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ASME B30.5



219,600 lb
+
80,000 lb



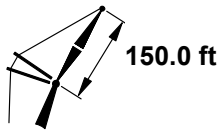
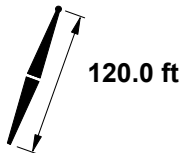
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
60													60
65													65
68													68
70													70
75													75
80													80
81													81
85													85
90													90
95													95
100													100
102	62.9	248.1	41,000										102
105	61.5	246.6	40,200										105
110	59.2	243.7	38,900										110
115	56.8	240.6	37,500										115
120	54.3	237.2	36,100										120
123	52.7	234.9	35,200	57.7	238.5	37,300							123
125	51.7	233.4	34,700	56.7	237.2	36,800							125
130	49.0	229.2	33,400	54.2	233.8	35,600							130
135	46.3	224.7	32,000	51.7	230.0	34,400							135
140	43.4	219.7	30,800	49.0	225.8	33,200							140
142	42.1	217.4	30,300	47.9	224.0	32,700	53.0	227.8	32,600				142
145	40.3	214.1	29,600	46.2	221.3	31,900	51.5	225.5	31,700				145
150	37.0	207.8	28,500	43.3	216.2	30,700	48.8	221.3	30,300				150
151	36.3	206.4	28,300	42.7	215.1	30,500	48.2	220.4	30,100				151
155	33.5	200.8	27,400	40.3	210.6	29,600	46.0	216.7	29,100				155
160	29.6	192.6	26,400	37.0	204.4	28,500	43.1	211.6	27,900				160
161	28.7	190.7	26,200	36.3	203.0	28,300	42.5	210.5	27,600	47.8	214.7	25,900	161
165	25.1	182.9	25,500	33.4	197.3	27,400	40.0	206.0	26,800	45.5	210.9	25,100	165
168	21.9	175.7	25,000	31.1	192.4	26,800	38.0	202.2	26,100	43.8	207.8	24,500	168
170	19.8	170.8	24,600	29.5	189.1	26,500	36.7	199.7	25,700	42.6	205.8	24,100	170
175	12.3	153.4	24,000	25.0	179.4	25,500	33.1	192.5	24,700	39.5	200.0	23,100	175
178	3.3	131.6	23,900	21.8	172.1	25,100	30.8	187.5	24,100	37.5	196.1	22,600	178
180				19.7	167.3	24,800	29.2	184.2	23,800	36.2	193.6	22,300	180
185				12.2	149.7	24,100	24.7	174.4	22,900	32.5	186.2	21,400	185
188				2.7	126.8	23,700	21.4	166.9	22,400	30.1	181.1	20,900	188
190							19.2	161.9	22,000	28.5	177.8	20,600	190
195							11.4	143.6	21,200	23.8	167.6	19,900	195
197							6.0	130.5	20,900	21.6	162.4	19,600	197
200										18.1	154.5	19,100	200
206										6.7	127.3	18,300	206

MLC250 S-3

ASME B30.5



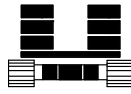
219,600 lb
+
80,000 lb



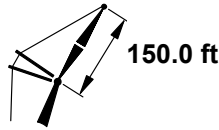
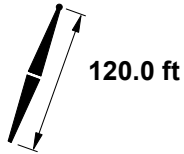
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	75.9	273.5	44,200							48
50	75.1	273.0	43,900							50
55	73.1	271.6	43,000							55
60	71.1	270.0	42,300							60
65	69.1	268.1	41,500							65
70	67.0	266.1	39,800							70
71	66.6	265.7	39,500	70.9	268.7	42,500				71
75	64.9	263.9	38,200	69.3	267.3	41,800				75
80	62.8	261.4	36,600	67.2	265.3	40,200				80
85	60.6	258.8	35,000	65.1	263.1	38,700	67.7	264.7	40,300	85
90	58.4	255.8	33,500	63.0	260.6	37,000	65.6	262.6	38,800	90
95	56.2	252.6	32,100	60.8	258.0	35,500	63.5	260.2	37,400	95
100	53.8	249.1	30,700	58.6	255.1	34,000	61.3	257.6	35,900	100
105	51.4	245.3	29,400	56.3	251.9	32,600	59.1	254.7	34,400	105
107	50.4	243.6	28,900	55.4	250.5	32,000	58.2	253.5	33,900	107
110	48.9	241.1	28,100	54.0	248.4	31,200	56.9	251.6	33,000	110
115	46.3	236.5	26,900	51.6	244.6	29,900	54.6	248.2	31,600	115
120	43.6	231.5	25,700	49.1	240.5	28,600	52.2	244.5	30,300	120
125	40.8	226.0	24,600	46.6	235.9	27,300	49.7	240.4	29,000	125
128	39.0	222.4	24,000	44.9	232.9	26,600	48.2	237.8	28,200	128
130	37.8	219.9	23,600	43.9	231.0	26,100	47.2	236.0	27,700	130
135	34.5	213.1	22,500	41.0	225.5	25,000	44.5	231.2	26,500	135
140	31.0	205.3	21,600	38.0	219.4	23,900	41.7	225.8	25,400	140
145	27.1	196.3	20,800	34.8	212.7	23,000	38.8	219.9	24,300	145
148	24.3	189.8	20,300	32.7	208.1	22,400	36.9	215.9	23,700	148
150	22.5	185.5	20,000	31.3	205.0	22,000	35.6	213.3	23,300	150
155	16.9	171.5	19,300	27.4	196.1	21,100	32.2	205.9	22,300	155
160	7.9	148.7	18,800	22.9	185.5	20,300	28.4	197.3	21,400	160
161	4.4	139.5	18,400	21.8	182.7	20,100	27.5	195.3	21,200	161
165				17.4	171.9	19,500	24.1	187.2	20,500	165
168				12.4	159.1	19,200	20.9	179.5	20,100	168
170				9.0	150.6	19,000	18.9	174.5	19,800	170
171				6.1	143.0	19,000	17.4	170.8	19,700	171
175							11.6	156.1	19,200	175
178							1.5	130.0	19,100	178
180										180
185										185
188										188
190										190
198										198
200										200
207										207
210										210
216										216

MLC250 S-3

ASME B30.5



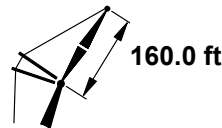
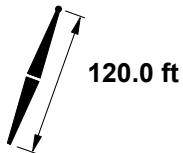
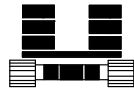
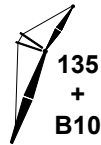
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
60													60
65													65
70													70
71													71
75													75
80													80
85													85
90													90
95													95
100													100
105													105
107	62.7	256.8	36,300										107
110	61.4	255.2	35,500										110
115	59.2	252.4	34,200										115
120	57.0	249.3	32,900										120
125	54.7	245.9	31,600										125
128	53.2	243.6	30,800	57.8	247.2	32,700							128
130	52.3	242.2	30,300	56.9	245.9	32,300							130
135	49.8	238.1	29,000	54.6	242.5	31,200							135
140	47.3	233.7	27,800	52.2	238.8	30,000							140
145	44.6	228.9	26,700	49.8	234.7	28,900							145
148	42.9	225.7	26,000	48.3	232.1	28,100	53.0	235.8	29,700				148
150	41.8	223.6	25,500	47.2	230.3	27,700	52.1	234.3	29,300				150
155	38.9	217.7	24,400	44.6	225.5	26,600	49.6	230.2	28,300				155
160	35.7	211.1	23,500	41.8	220.1	25,500	47.0	225.7	27,300				160
161	35.0	209.6	23,300	41.2	219.0	25,300	46.5	224.8	27,100				161
165	32.3	203.7	22,500	38.8	214.2	24,400	44.4	220.9	26,300				165
168	30.0	198.6	21,900	36.9	210.3	23,800	42.7	217.6	25,700	47.7	221.8	24,400	168
170	28.5	195.2	21,500	35.7	207.7	23,400	41.6	215.5	25,300	46.6	220.0	24,000	170
171	27.7	193.2	21,400	35.0	206.2	23,200	41.0	214.3	25,100	46.1	219.0	23,800	171
175	24.3	185.1	20,700	32.3	200.2	22,500	38.6	209.6	24,300	43.9	215.0	23,100	175
178	21.1	177.6	20,300	30.0	195.1	22,000	36.7	205.6	23,700	42.2	211.8	22,500	178
180	19.1	172.5	20,000	28.5	191.7	21,600	35.4	202.9	23,300	41.1	209.6	22,200	180
185	11.9	154.5	19,400	24.2	181.6	20,800	32.0	195.4	22,400	38.1	203.5	21,400	185
188	3.2	131.8	19,200	21.1	174.0	20,300	29.7	190.2	21,900	36.2	199.5	20,900	188
190				19.0	169.0	20,000	28.2	186.8	21,500	34.9	196.8	20,600	190
198				2.6	127.0	19,300	20.4	168.2	20,300	29.0	183.5	19,400	198
200							18.5	163.6	20,000	27.5	180.2	19,100	200
207							5.7	131.0	19,400	20.5	163.3	18,200	207
210										17.5	156.1	17,800	210
216										6.5	127.8	17,000	216

MLC250 S-3

ASME B30.5



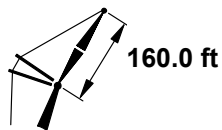
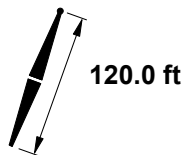
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	75.7	283.1	40,700							51
55	74.2	282.0	40,100							55
60	72.3	280.5	39,400							60
65	70.4	278.8	38,000							65
70	68.5	276.9	36,400							70
74	67.0	275.3	35,100	71.0	278.3	38,500				74
75	66.6	274.9	34,800	70.6	277.9	38,200				75
80	64.6	272.6	33,300	68.7	276.1	36,600				80
85	62.6	270.1	31,800	66.8	274.0	35,200				85
88	61.4	268.5	30,900	65.6	272.7	34,200	68.0	274.3	35,800	88
90	60.6	267.4	30,300	64.8	271.8	33,600	67.2	273.5	35,300	90
95	58.5	264.5	29,000	62.8	269.3	32,200	65.3	271.3	33,900	95
100	56.4	261.3	27,600	60.8	266.6	30,800	63.3	268.9	32,500	100
105	54.2	257.8	26,300	58.7	263.7	29,400	61.3	266.3	31,100	105
110	52.0	254.1	25,100	56.6	260.6	28,000	59.2	263.4	29,700	110
111	51.5	253.3	24,800	56.1	259.9	27,800	58.8	262.8	29,400	111
115	49.7	250.0	23,900	54.4	257.1	26,800	57.1	260.3	28,400	115
120	47.3	245.6	22,700	52.2	253.4	25,500	54.9	256.9	27,100	120
125	44.8	240.7	21,600	49.9	249.3	24,300	52.7	253.3	25,800	125
130	42.2	235.5	20,600	47.5	244.9	23,100	50.4	249.3	24,600	130
133	40.5	232.0	20,000	46.0	242.1	22,400	49.0	246.7	23,900	133
135	39.4	229.7	19,600	45.0	240.2	22,000	48.1	245.0	23,400	135
140	36.5	223.3	18,700	42.4	234.9	20,900	45.6	240.3	22,400	140
145	33.4	216.1	17,800	39.7	229.2	19,900	43.0	235.2	21,200	145
150	30.0	208.0	17,000	36.8	222.8	19,000	40.3	229.6	20,300	150
154	27.0	200.5	16,400	34.3	217.2	18,300	38.1	224.6	19,500	154
155	26.2	198.7	16,200	33.7	215.7	18,100	37.5	223.4	19,300	155
160	21.8	187.4	15,500	30.3	207.7	17,200	34.5	216.5	18,400	160
165	16.3	173.0	14,500	26.5	198.5	16,400	31.1	208.7	17,500	165
170	7.7	149.4	13,700	22.2	187.5	15,700	27.5	199.8	16,700	170
171	4.2	139.8	13,600	21.1	184.6	15,500	26.6	197.7	16,500	171
174				17.9	176.2	14,900	24.1	191.4	16,100	174
175				16.8	173.4	14,700	23.3	189.3	15,900	175
180				8.7	151.3	13,800	18.3	176.1	15,000	180
181				5.9	143.6	13,700	16.2	170.3	14,800	181
188							1.5	130.1	13,700	188
190										190
198										198
200										200
208										208
210										210
217										217
220										220
226										226

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ASME B30.5



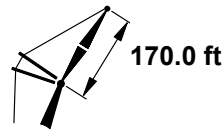
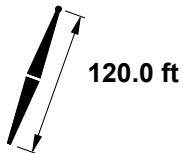
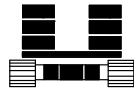
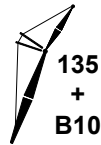
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
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													110
111	63.0	266.0	31,700										111
115	61.3	263.9	30,800										115
120	59.3	261.0	29,500										120
125	57.2	257.9	28,300										125
130	55.0	254.6	27,100										130
133	53.7	252.4	26,300	58.0	255.8	28,200							133
135	52.8	250.9	25,800	57.1	254.6	27,800							135
140	50.5	247.0	24,700	55.0	251.2	26,700							140
145	48.1	242.7	23,500	52.8	247.5	25,600							145
150	45.7	238.0	22,400	50.5	243.6	24,500							150
154	43.6	233.9	21,600	48.6	240.1	23,600	53.0	243.8	25,200				154
155	43.1	232.9	21,400	48.1	239.3	23,400	52.6	243.0	25,000				155
160	40.4	227.3	20,400	45.7	234.6	22,300	50.3	239.1	24,100				160
165	37.6	221.1	19,400	43.1	229.5	21,300	47.9	234.7	23,100				165
170	34.6	214.3	18,500	40.4	223.9	20,300	45.5	230.0	22,100				170
171	33.9	212.7	18,300	39.8	222.6	20,200	44.9	229.0	21,900				171
174	31.9	208.1	17,800	38.1	218.9	19,600	43.4	225.9	21,400	48.0	229.9	22,700	174
175	31.3	206.5	17,600	37.6	217.7	19,400	42.9	224.9	21,200	47.5	229.0	22,500	175
180	27.6	197.7	16,800	34.5	210.8	18,500	40.2	219.2	20,200	45.0	224.2	21,600	180
181	26.7	195.3	16,600	33.8	209.2	18,300	39.6	217.9	20,000	44.5	223.1	21,500	181
188	20.3	178.9	15,400	29.0	197.5	17,200	35.4	208.7	18,800	40.8	215.4	20,200	188
190	18.5	174.2	15,100	27.6	194.2	16,900	34.3	206.1	18,400	39.7	213.3	19,900	190
198	3.1	132.1	13,700	20.2	175.3	15,500	28.7	192.6	17,100	34.9	202.5	18,600	198
200				18.4	170.6	15,200	27.3	189.2	16,800	33.7	199.9	18,200	200
208				2.5	127.3	13,800	19.8	170.0	15,500	28.0	186.1	17,000	208
210							17.9	165.2	15,200	26.6	182.7	16,700	210
217							5.6	131.5	13,900	19.8	165.1	15,500	217
220										17.0	157.6	15,000	220
226										6.2	128.4	13,900	226

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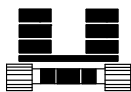
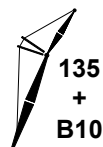
ASME B30.5



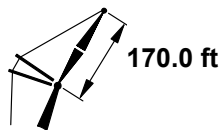
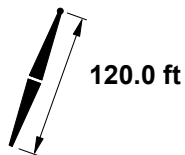
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
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55	75.2	292.4	37,400						55	
60	73.4	291.0	36,600						60	
65	71.6	289.4	35,100						65	
70	69.9	287.6	33,600						70	
75	68.0	285.7	32,000						75	
78	66.9	284.4	31,200	70.7	287.5	34,300			78	
80	66.2	283.6	30,600	70.0	286.8	33,700			80	
85	64.4	281.3	29,200	68.2	284.9	32,300			85	
90	62.5	278.8	27,800	66.4	282.8	30,900			90	
92	61.7	277.7	27,300	65.6	281.8	30,300	67.9	283.5	31,800	92
95	60.6	276.1	26,500	64.5	280.5	29,500	66.8	282.2	31,000	95
100	58.6	273.1	25,200	62.6	278.0	28,200	65.0	280.0	29,700	100
105	56.6	270.0	23,900	60.7	275.3	26,800	63.1	277.6	28,400	105
110	54.6	266.5	22,800	58.8	272.4	25,600	61.2	274.9	27,100	110
115	52.5	262.8	21,600	56.8	269.2	24,300	59.2	272.1	25,800	115
116	52.0	262.0	21,400	56.4	268.5	24,100	58.8	271.4	25,600	116
120	50.3	258.9	20,500	54.7	265.8	23,100	57.3	269.0	24,600	120
125	48.1	254.5	19,500	52.7	262.2	21,900	55.2	265.6	23,400	125
130	45.8	249.9	18,500	50.5	258.2	20,800	53.2	262.0	22,300	130
135	43.4	244.8	17,500	48.3	253.9	19,700	51.0	258.1	21,200	135
139	41.4	240.4	16,800	46.4	250.2	18,900	49.3	254.8	20,300	139
140	40.9	239.3	16,600	46.0	249.3	18,700	48.8	253.9	20,100	140
145	38.2	233.2	15,700	43.6	244.2	17,700	46.5	249.4	19,000	145
150	35.4	226.5	14,900	41.1	238.7	16,800	44.2	244.4	18,100	150
155	32.4	219.1	14,100	38.5	232.7	16,000	41.7	239.0	17,100	155
160	29.1	210.7	13,100	35.7	226.1	15,100	39.1	233.2	16,300	160
165	25.4	201.0	12,200	32.7	218.7	14,300	36.3	226.7	15,400	165
170	21.1	189.3	11,400	29.4	210.4	13,300	33.4	219.5	14,600	170
175	15.8	174.4	10,500	25.7	200.8	12,400	30.2	211.5	13,600	175
180	7.5	150.1	9,800	21.5	189.4	11,600	26.6	202.2	12,600	180
181	4.1	140.2	9,700	20.5	186.5	11,400	25.8	200.0	12,500	181
185				16.3	174.8	10,700	22.6	191.3	11,800	185
190				8.5	152.1	9,900	17.7	177.7	10,900	190
191				5.8	144.1	9,900	15.7	171.7	10,800	191
198							1.4	130.2	9,800	198
200										200
208										208
210										210
218										218
220										220
227										227
230										230
236										236

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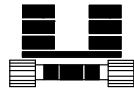
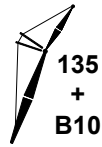
219,600 lb
+
80,000 lb



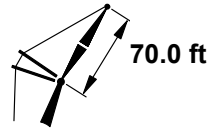
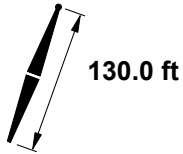
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
65													65
70													70
75													75
78													78
80													80
85													85
90													90
92													92
95													95
100													100
105													105
110													110
115													115
116	62.8	274.7	27,800										116
120	61.3	272.6	26,900										120
125	59.3	269.7	25,700										125
130	57.3	266.6	24,500										130
135	55.3	263.3	23,400										135
139	53.6	260.4	22,500	57.7	263.9	24,300							139
140	53.2	259.7	22,200	57.3	263.2	24,100							140
145	51.1	255.8	21,200	55.3	259.9	23,100							145
150	48.9	251.6	20,100	53.2	256.3	22,100							150
155	46.6	247.1	19,100	51.1	252.4	21,000							155
160	44.3	242.1	18,100	48.9	248.2	20,000	53.0	251.8	21,600				160
165	41.8	236.8	17,200	46.6	243.7	19,100	50.9	247.9	20,700				165
170	39.2	230.9	16,300	44.2	238.7	18,100	48.7	243.7	19,700				170
175	36.4	224.5	15,500	41.7	233.4	17,200	46.4	239.1	18,800				175
180	33.5	217.3	14,600	39.2	227.5	16,300	44.0	234.1	17,900				180
181	32.9	215.7	14,400	38.6	226.2	16,100	43.5	233.0	17,700	47.9	237.0	19,100	181
185	30.3	209.3	13,700	36.4	221.0	15,500	41.5	228.7	17,000	46.0	233.3	18,400	185
190	26.8	200.1	12,700	33.5	213.9	14,700	38.9	222.8	16,200	43.6	228.3	17,600	190
191	25.9	197.7	12,600	32.8	212.2	14,500	38.4	221.4	16,100	43.1	227.1	17,400	191
198	19.7	180.6	11,300	28.1	200.1	13,100	34.3	211.8	14,900	39.5	219.1	16,300	198
200	17.9	175.8	11,000	26.7	196.6	12,700	33.2	209.1	14,600	38.5	216.8	15,900	200
208	3.0	132.4	9,800	19.6	177.1	11,300	27.8	195.1	13,100	33.9	205.6	14,800	208
210				17.8	172.2	11,000	26.4	191.6	12,700	32.7	202.8	14,500	210
218				2.5	127.5	9,800	19.2	171.7	11,300	27.2	188.6	13,000	218
220							17.4	166.7	11,000	25.8	185.0	12,700	220
227							5.4	132.0	9,900	19.2	166.9	11,400	227
230										16.4	159.1	10,900	230
236										6.1	128.9	10,000	236

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219,600 lb
+
80,000 lb



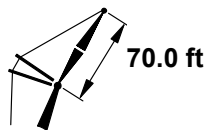
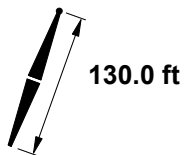
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
29	75.8	205.9	103,700 d						29	
30	74.9	205.6	103,600 d						30	
35	70.6	204.1	103,400 c						35	
40	66.2	202.1	103,200 c						40	
45	61.7	199.6	101,800 c						45	
46	60.7	199.0	101,000 c	70.9	203.1	107,300 d			46	
50	56.9	196.7	97,400 b	67.4	201.6	107,300 c			50	
55	51.9	193.1	93,600 b	62.9	199.2	105,000 c			55	
56	50.8	192.2	92,900 b	61.9	198.7	104,100 c	68.0	200.7	108,600 c	
60	46.5	188.8	90,200 b	58.2	196.4	100,600 b	64.4	199.0	107,000 c	
65	40.5	183.5	81,400	53.2	193.0	96,600 b	59.8	196.3	100,600 b	
70	33.7	176.9	73,600	47.9	188.9	93,100	54.9	193.1	93,500 b	
73	28.8	171.6	69,700	44.4	185.9	87,400	51.8	190.8	89,300 b	
75	25.4	168.1	67,100	42.1	183.9	83,600	49.8	189.3	86,600	
80	13.0	153.7	53,100	35.6	177.7	75,500	44.2	184.6	80,000	
81	8.6	148.5	49,200	34.0	176.1	74,100	42.9	183.4	78,900	
85				27.8	169.6	68,700	37.9	178.9	74,300	
89				19.2	159.9	62,600	32.1	173.0	70,300	
90				17.1	157.5	61,100	30.7	171.5	69,300	
93				2.7	140.2	47,900	25.1	165.4	66,600	
95							21.3	161.3	64,800	
99							8.6	146.3	54,800	
100									100	
105									105	
110									110	
115									115	
119									119	
120									120	
121									121	
125									125	
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131									131	
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ASME B30.5



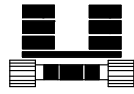
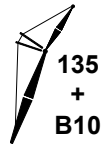
219,600 lb
+
80,000 lb



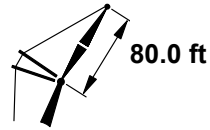
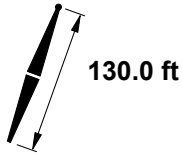
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
29													29
30													30
35													35
40													40
45													45
46													46
50													50
55													55
56													56
60													60
65													65
70													70
73	62.6	195.3	84,900 b										73
75	60.8	194.3	82,100 b										75
80	56.0	191.2	75,900 b										80
81	54.9	190.4	74,800 b										81
85	50.9	187.5	70,500 b										85
89	46.5	183.9	66,700 b	57.7	188.7	63,100 b							89
90	45.4	183.0	65,800	56.7	188.1	62,300 b							90
93	41.7	179.7	63,300	53.7	185.9	59,900 b							93
95	39.3	177.5	61,600	51.7	184.5	58,300 b							95
99	33.7	171.9	58,600	47.3	181.0	55,500 b							99
100	32.3	170.6	57,800	46.2	180.1	54,800							100
105	23.5	161.1	54,400	40.3	174.8	51,600	52.1	180.3	48,700 b				105
110	8.8	143.9	51,300	33.4	168.1	48,700	46.7	176.0	46,000				110
115				25.0	159.2	46,100	40.8	170.8	43,500				115
119				14.8	147.3	44,100	35.4	165.5	41,700	47.8	171.5	39,400	119
120				12.2	144.4	43,600	34.0	164.2	41,300	46.7	170.5	38,900	120
121				7.4	138.5	43,100	32.4	162.5	40,900	45.5	169.5	38,600	121
125							25.8	155.5	39,200	40.7	165.3	37,000	125
130							13.7	141.6	37,200	34.0	158.8	35,200	130
131							9.6	136.7	36,800	32.3	157.0	34,900	131
135										25.8	150.1	33,500	135
140										13.6	136.0	31,900	140
141										9.4	131.1	31,600	141

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ASME B30.5



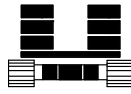
219,600 lb
+
80,000 lb



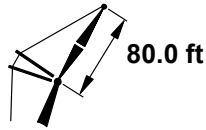
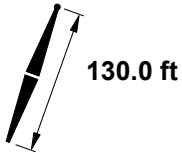
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	75.4	215.4	95,300 d						32	
35	73.1	214.6	95,000 d						35	
40	69.4	212.9	94,700 c						40	
45	65.5	210.8	93,700 c						45	
50	61.5	208.3	89,600 c	70.3	212.3	98,200 c			50	
55	57.3	205.4	85,800 b	66.5	210.3	96,500 c			55	
60	52.9	201.9	82,400 b	62.5	207.9	92,400 b	67.8	209.9	97,900 c	60
65	48.3	197.8	79,300 b	58.4	205.1	88,700 b	63.9	207.7	94,100 b	65
70	43.3	192.9	73,500	54.1	201.7	85,300	59.8	205.0	90,500 b	70
75	37.8	187.1	67,000	49.5	197.8	82,100	55.6	201.8	86,300	75
78	34.0	182.7	63,700	46.6	195.0	78,100	52.9	199.6	82,400	78
80	31.5	179.8	61,500	44.6	193.2	75,400	51.1	198.1	79,800	80
85	23.8	170.3	56,700	39.3	187.6	68,600	46.4	193.7	74,100	85
90	12.1	154.8	46,800	33.2	180.8	62,900	41.2	188.5	69,100	90
91	8.0	149.2	43,500	31.8	179.0	61,900	40.0	187.2	68,200	91
94				27.4	173.7	58,900	36.6	183.4	65,600	94
95				26.0	172.0	57,900	35.4	182.2	64,700	95
100				15.9	158.9	53,600	28.6	174.2	59,500	100
103				2.5	140.4	42,600	23.4	167.5	56,800	103
105							19.9	163.1	55,000	105
109							8.1	147.0	48,600	109
110										110
111										111
115										115
120										120
125										125
126										126
130										130
131										131
135										135
140										140
141										141
145										145
150										150
151										151

MLC250 S-3

ASME B30.5



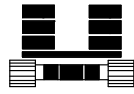
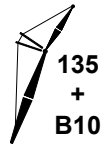
219,600 lb
+
80,000 lb



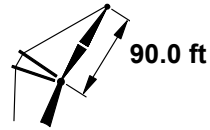
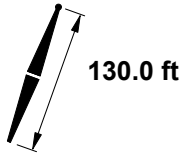
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
35													35
40													40
45													45
50													50
55													55
60													60
65													65
70													70
75													75
78	62.3	204.0	77,900 b										78
80	60.7	202.9	75,600 b										80
85	56.5	199.9	70,200										85
90	52.1	196.3	65,400										90
91	51.1	195.4	64,600										91
94	48.3	192.9	62,100	58.0	197.4	58,700 b							94
95	47.4	192.0	61,300	57.1	196.8	57,900 b							95
100	42.3	187.0	57,600	52.8	193.3	54,400							100
103	38.9	183.4	55,500	50.0	190.8	52,500							103
105	36.7	180.9	54,200	48.1	189.1	51,200							105
109	31.5	174.9	51,800	44.1	185.2	49,000							109
110	30.2	173.4	51,200	43.1	184.2	48,400							110
111	28.5	171.3	50,600	42.0	183.0	47,900	52.2	188.3	45,100				111
115	22.0	163.1	48,400	37.6	178.3	45,800	48.5	185.0	43,200				115
120	8.2	144.6	45,800	31.2	171.0	43,400	43.5	180.1	41,000				120
125				23.4	161.3	41,200	38.0	174.3	38,900				125
126				21.0	158.1	40,800	36.8	172.9	38,500	47.5	178.6	36,200	126
130				11.4	145.4	39,200	31.8	167.2	37,000	43.5	174.7	34,800	130
131				6.9	139.2	38,700	30.2	165.3	36,700	42.4	173.5	34,500	131
135							24.1	157.7	35,300	38.0	168.9	33,200	135
140							12.8	142.7	33,600	31.7	161.7	31,700	140
141							9.0	137.5	33,300	30.2	159.8	31,400	141
145										24.1	152.3	30,200	145
150										12.7	137.2	28,900	150
151										8.8	131.9	28,600	151

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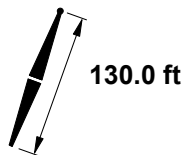
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.7	225.2	86,000 d							34
35	75.1	225.0	85,900 d							35
40	71.7	223.5	85,500 c							40
45	68.3	221.7	82,100 c							45
50	64.9	219.5	78,600 c							50
53	62.7	218.0	76,600 c	70.6	221.8	85,700 c				53
55	61.3	217.0	75,300 b	69.2	221.1	84,400 c				55
60	57.6	214.0	72,200 b	65.8	219.0	80,900 b				60
64	54.5	211.3	70,000 b	62.9	217.1	78,300 b	67.7	219.1	82,700 b	64
65	53.8	210.6	69,400 b	62.2	216.6	77,700 b	67.0	218.6	82,100 b	65
70	49.7	206.7	66,900	58.6	213.7	74,700	63.5	216.3	79,100 b	70
75	45.4	202.1	64,500	54.8	210.5	71,800	59.9	213.6	76,200	75
80	40.7	196.7	61,900	50.8	206.7	69,200	56.1	210.5	73,300	80
82	38.7	194.2	59,900	49.1	204.9	68,200	54.5	209.1	72,300	82
85	35.6	190.4	56,900	46.5	202.3	66,700	52.2	206.9	70,700	85
90	29.7	182.6	52,300	42.0	197.1	63,500	48.0	202.7	68,200	90
95	22.4	172.3	48,400	37.0	191.0	58,500	43.6	197.9	64,600	95
100	11.4	155.9	41,200	31.3	183.7	54,100	38.7	192.1	60,100	100
101	7.6	149.9	38,400	29.9	181.8	53,300	37.6	190.7	59,200	101
105				24.5	174.2	50,200	33.3	185.3	55,500	105
110				15.0	160.3	46,700	27.0	176.6	51,500	110
113				2.4	140.6	37,900	22.1	169.5	49,400	113
115							18.8	164.8	48,000	115
117							13.2	156.3	45,500	117
119							7.6	147.7	43,100	119
120										120
125										125
130										130
133										133
135										135
140										140
141										141
145										145
150										150
151										151
155										155
160										160
161										161

MLC250 S-3

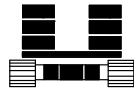
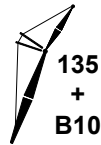
ASME B30.5



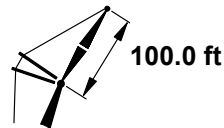
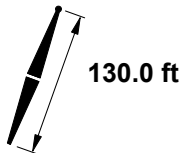
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
34													34
35													35
40													40
45													45
50													50
53													53
55													55
60													60
64													64
65													65
70													70
75													75
80													80
82	62.8	213.2	73,100 b										82
85	60.6	211.6	70,000										85
90	56.9	208.5	65,200										90
95	53.0	205.0	61,100										95
100	48.9	201.0	57,400	57.5	205.4	54,200							100
101	48.0	200.0	56,700	56.7	204.8	53,500							101
105	44.5	196.3	54,100	53.6	202.0	51,000							105
110	39.8	190.7	51,100	49.5	198.0	48,200							110
113	36.6	186.8	49,400	46.9	195.3	46,700							113
115	34.5	184.1	48,300	45.2	193.4	45,600							115
117	32.0	180.9	47,400	43.3	191.3	44,700	52.3	196.3	42,000				117
119	29.6	177.6	46,400	41.4	189.1	43,800	50.7	194.7	41,200				119
120	28.4	176.0	45,900	40.5	188.0	43,300	49.9	193.9	40,700				120
125	20.7	165.0	43,600	35.3	181.6	41,100	45.6	189.3	38,700				125
130	7.7	145.3	41,400	29.4	173.7	39,200	40.9	184.0	36,900				130
133				25.0	167.5	38,000	37.8	180.2	35,800	47.3	185.8	33,600	133
135				22.0	163.4	37,300	35.8	177.7	35,100	45.5	183.9	33,000	135
140				10.7	146.4	35,600	29.9	169.9	33,500	40.9	178.5	31,500	140
141				6.5	139.8	35,200	28.5	167.9	33,200	39.9	177.3	31,200	141
145							22.7	159.8	32,000	35.7	172.2	30,100	145
150							12.0	143.8	30,600	29.9	164.5	28,800	150
151							8.5	138.3	30,300	28.4	162.4	28,600	151
155										22.7	154.3	27,600	155
160										11.9	138.3	26,400	160
161										8.3	132.7	26,100	161

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ASME B30.5



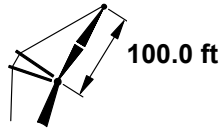
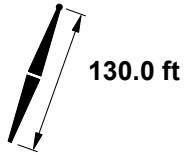
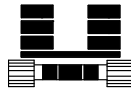
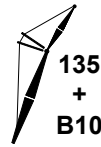
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	76.0	235.1	78,900 d							36
40	73.6	234.0	78,400 c							40
45	70.6	232.4	76,900 c							45
50	67.5	230.4	73,500 c							50
55	64.4	228.2	70,200 b							55
56	63.8	227.7	69,600 b	70.8	231.4	77,900 b				56
60	61.2	225.6	67,200 b	68.3	229.9	75,300 b				60
65	57.9	222.7	64,400	65.2	227.7	72,200 b				65
68	55.8	220.7	62,800	63.3	226.2	70,500 b	67.5	228.2	74,400 b	68
70	54.4	219.3	61,800	62.0	225.3	69,300	66.3	227.4	73,300 b	70
75	50.8	215.5	59,300	58.7	222.4	66,500	63.1	225.0	70,500	75
80	47.0	211.2	57,000	55.3	219.2	63,800	59.9	222.3	67,700	80
85	42.9	206.1	54,900	51.7	215.5	61,200	56.5	219.2	65,100	85
87	41.2	203.8	53,500	50.2	213.8	60,300	55.1	217.8	64,100	87
90	38.5	200.3	51,200	48.0	211.2	59,000	53.0	215.7	62,600	90
95	33.7	193.5	47,300	44.0	206.4	56,800	49.3	211.6	60,200	95
100	28.1	185.1	43,800	39.7	200.8	53,800	45.4	207.0	58,000	100
105	21.2	174.2	40,800	35.0	194.3	50,000	41.2	201.7	55,200	105
110	10.8	156.8	36,800	29.6	186.4	46,600	36.7	195.5	51,200	110
111	7.2	150.5	34,400	28.3	184.4	46,000	35.6	194.1	50,500	111
115				23.2	176.3	43,600	31.6	188.2	47,700	115
120				14.3	161.6	40,700	25.6	179.0	44,600	120
123				2.2	140.8	34,000	20.9	171.4	42,900	123
125							17.8	166.4	41,800	125
129							7.2	148.4	38,700	129
130										130
135										135
139										139
140										140
145										145
150										150
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155										155
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161										161
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170										170
171										171

MLC250 S-3

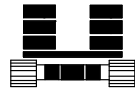
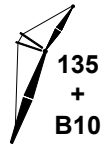
ASME B30.5



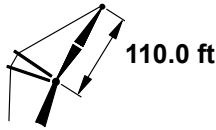
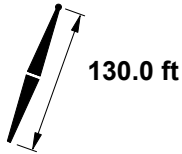
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
40													40
45													45
50													50
55													55
56													56
60													60
65													65
68													68
70													70
75													75
80													80
85													85
87	62.5	221.9	67,600										87
90	60.5	220.2	64,900										90
95	57.2	217.2	60,700										95
100	53.7	213.8	57,000										100
105	50.1	209.9	53,700	57.7	214.1	50,600							105
110	46.2	205.4	50,800	54.3	210.7	47,800							110
111	45.4	204.4	50,200	53.5	210.0	47,300							111
115	42.1	200.2	48,000	50.6	206.9	45,300							115
120	37.7	194.3	45,600	46.8	202.5	42,900							120
123	34.7	190.0	44,200	44.4	199.5	41,700	52.4	204.3	39,100				123
125	32.7	187.2	43,300	42.8	197.5	40,800	50.9	202.7	38,300				125
129	28.1	180.2	41,700	39.2	192.8	39,200	47.9	199.2	36,900				129
130	26.9	178.4	41,200	38.4	191.6	38,800	47.1	198.4	36,500				130
135	19.6	166.8	39,300	33.5	184.7	37,000	43.1	193.4	34,800				135
139	9.8	150.1	37,800	29.0	178.0	35,700	39.6	188.8	33,500	47.9	193.8	31,400	139
140	7.3	146.0	37,400	27.8	176.3	35,400	38.7	187.6	33,200	47.1	192.9	31,100	140
145				20.9	165.2	33,800	33.9	180.8	31,700	43.1	187.9	29,700	145
150				10.2	147.3	32,300	28.3	172.5	30,400	38.7	182.2	28,400	150
151				6.2	140.3	31,900	27.0	170.4	30,100	37.7	180.8	28,200	151
155							21.5	161.8	29,100	33.9	175.3	27,200	155
160							11.4	144.9	27,800	28.3	167.0	26,100	160
161							8.0	139.0	27,500	26.9	164.9	25,900	161
165										21.5	156.3	25,000	165
170										11.3	139.3	24,000	170
171										7.9	133.4	23,700	171

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ASME B30.5



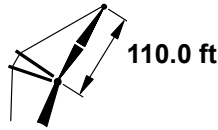
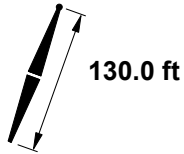
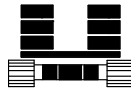
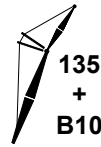
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	75.7	244.6	72,400 c							39
40	75.1	244.3	72,300 c							40
45	72.4	242.9	71,300 b							45
50	69.7	241.2	68,600 b							50
55	66.9	239.2	66,100 b							55
59	64.6	237.3	64,200 b	70.9	240.9	70,600 b				59
60	64.0	236.9	63,700	70.4	240.6	70,100 b				60
65	61.1	234.3	61,400	67.6	238.6	67,800				65
70	58.1	231.4	59,200	64.8	236.4	65,500				70
71	57.4	230.7	58,800	64.2	235.9	65,000	68.0	237.8	67,800	71
75	54.9	228.1	57,100	61.8	233.9	63,300	65.7	236.1	66,200	75
80	51.7	224.3	55,000	58.8	231.1	61,100	62.8	233.7	64,100	80
85	48.3	220.1	52,900	55.7	227.9	58,800	59.9	231.0	62,100	85
90	44.7	215.4	50,000	52.5	224.2	56,600	56.8	227.9	59,900	90
91	43.9	214.3	49,300	51.9	223.4	56,200	56.2	227.2	59,400	91
95	40.8	210.0	46,500	49.2	220.2	54,500	53.6	224.4	57,700	95
100	36.7	203.7	43,200	45.6	215.6	52,500	50.3	220.5	55,600	100
105	32.1	196.4	40,200	41.9	210.4	50,700	46.9	216.1	53,600	105
110	26.8	187.6	37,600	37.8	204.4	47,300	43.2	211.1	51,700	110
115	20.2	176.1	35,300	33.3	197.4	44,100	39.2	205.4	48,600	115
120	10.3	157.8	32,300	28.2	189.0	41,200	34.9	198.8	45,200	120
121	6.9	151.2	30,000	27.0	186.8	40,600	33.9	197.2	44,600	121
125				22.1	178.3	38,500	30.1	190.9	42,200	125
129				15.3	165.9	36,500	25.5	183.1	40,000	129
130				13.6	162.8	35,900	24.4	181.2	39,500	130
133				2.1	141.0	29,800	19.9	173.2	37,900	133
135							17.0	167.9	36,900	135
139							6.9	149.0	34,300	139
140										140
145										145
146										146
150										150
155										155
160										160
161										161
165										165
170										170
171										171
175										175
180										180
181										181

MLC250 S-3

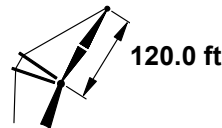
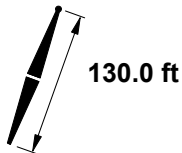
ASME B30.5



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
50													50
55													55
59													59
60													60
65													65
70													70
71													71
75													75
80													80
85													85
90													90
91	62.9	231.1	63,200										91
95	60.5	228.9	60,700										95
100	57.5	225.9	57,000										100
105	54.3	222.5	53,700										105
110	51.0	218.7	50,700	57.9	222.8	47,800							110
115	47.6	214.4	48,000	54.8	219.5	45,200							115
120	44.0	209.5	45,600	51.5	215.7	42,900							120
121	43.2	208.4	45,100	50.9	214.9	42,500							121
125	40.1	204.0	43,300	48.1	211.5	40,800							125
129	36.7	198.9	41,700	45.3	207.7	39,200	52.5	212.3	36,800				129
130	35.8	197.6	41,300	44.5	206.7	38,800	51.8	211.5	36,500				130
133	33.0	193.0	40,100	42.2	203.4	37,800	49.8	209.0	35,400				133
135	31.1	190.0	39,400	40.7	201.3	37,000	48.4	207.3	34,800				135
139	26.7	182.6	38,000	37.3	196.3	35,700	45.5	203.5	33,500				139
140	25.6	180.7	37,600	36.5	195.0	35,400	44.8	202.6	33,200				140
145	18.7	168.5	35,900	31.9	187.6	33,800	41.0	197.2	31,700				145
146	16.4	164.1	35,600	30.8	185.9	33,500	40.2	196.0	31,500	47.7	201.0	29,500	146
150	7.0	146.6	34,300	26.5	178.7	32,400	36.9	191.0	30,400	44.8	197.2	28,400	150
155				19.9	167.0	31,000	32.3	183.8	29,100	41.0	191.8	27,200	155
160				9.7	148.1	29,700	27.0	175.0	27,900	36.8	185.6	26,100	160
161				5.9	140.8	29,400	25.7	172.7	27,700	35.9	184.1	25,900	161
165							20.5	163.6	26,800	32.2	178.3	25,100	165
170							10.9	145.8	25,700	27.0	169.5	24,100	170
171							7.7	139.7	25,500	25.7	167.2	23,900	171
175										20.5	158.1	23,100	175
180										10.8	140.3	22,200	180
181										7.5	134.1	22,000	181

MLC250 S-3

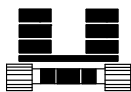
ASME B30.5



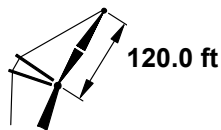
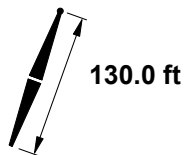
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	75.9	254.4	54,300 c						41	
45	73.9	253.3	53,400 b						45	
50	71.4	251.8	52,200 b						50	
55	68.9	250.0	51,100 b						55	
60	66.3	247.9	50,100						60	
63	64.7	246.5	49,500	70.6	250.1	52,800 b			63	
65	63.7	245.6	49,100	69.6	249.4	52,500			65	
70	61.0	243.0	48,200	67.0	247.4	51,600			70	
75	58.2	240.0	47,200	64.4	245.1	50,800	67.9	247.0	51,700	75
80	55.4	236.8	46,400	61.7	242.6	50,000	65.3	244.8	51,100	80
85	52.4	233.1	45,300	58.9	239.7	49,300	62.6	242.4	50,500	85
90	49.3	229.0	43,600	56.1	236.5	48,200	59.9	239.6	49,900	90
95	46.1	224.5	41,900	53.2	233.0	46,400	57.1	236.6	49,000	95
96	45.4	223.5	41,600	52.6	232.2	46,000	56.5	235.9	48,700	96
100	42.7	219.4	40,400	50.1	229.0	44,600	54.2	233.1	47,200	100
105	39.0	213.6	39,000	47.0	224.6	43,000	51.2	229.3	45,400	105
110	35.1	207.0	36,600	43.6	219.7	41,400	48.1	225.1	43,700	110
115	30.7	199.2	34,300	40.0	214.1	39,900	44.8	220.3	42,100	115
116	29.7	197.4	33,900	39.2	212.8	39,600	44.1	219.2	41,800	116
120	25.6	189.9	32,200	36.1	207.7	38,600	41.3	215.0	40,700	120
125	19.4	177.8	30,500	31.9	200.3	37,300	37.5	208.9	39,300	125
130	9.9	158.7	29,000	27.0	191.4	36,200	33.4	201.8	38,000	130
131	6.6	151.7	27,000	25.8	189.2	35,800	32.5	200.2	37,700	131
135				21.1	180.2	34,300	28.8	193.5	36,800	135
140				13.0	163.9	32,100	23.3	183.3	35,100	140
143				2.0	141.2	26,800	19.1	174.9	33,800	143
145							16.2	169.4	32,900	145
149							6.6	149.6	30,900	149
150										150
153										153
155										155
160										160
165										165
170										170
171										171
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181										181
185										185
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191										191

MLC250 S-3

ASME B30.5



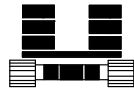
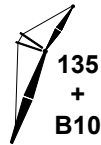
219,600 lb
+
80,000 lb



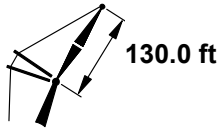
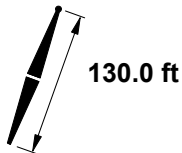
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41													41
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75													75
80													80
85													85
90													90
95													95
96	62.6	239.7	49,500										96
100	60.5	237.6	49,300										100
105	57.7	234.6	49,100										105
110	54.8	231.2	47,400										110
115	51.8	227.5	45,700										115
116	51.2	226.7	45,400	57.5	230.8	44,400							116
120	48.7	223.3	44,200	55.2	228.2	42,500							120
125	45.5	218.7	42,600	52.3	224.5	40,400							125
130	42.0	213.5	41,000	49.2	220.4	38,500							130
131	41.3	212.3	40,600	48.5	219.5	38,100							131
135	38.3	207.5	39,100	46.0	215.8	36,700	52.5	220.3	34,400				135
140	34.3	200.7	37,300	42.5	210.7	35,000	49.5	216.2	32,800				140
143	31.6	195.9	36,300	40.3	207.2	34,100	47.5	213.5	31,900				143
145	29.8	192.7	35,700	38.9	204.9	33,500	46.2	211.7	31,400				145
149	25.6	184.9	34,500	35.7	199.6	32,400	43.5	207.6	30,300				149
150	24.5	183.0	34,200	34.9	198.2	32,100	42.8	206.6	30,000				150
153	20.6	175.2	33,300	32.2	193.5	31,300	40.6	203.2	29,300	47.5	208.1	27,300	153
155	17.9	170.1	32,700	30.5	190.4	30,700	39.2	200.9	28,800	46.2	206.3	26,900	155
160	6.7	147.2	31,300	25.4	181.0	29,500	35.2	194.3	27,600	42.8	201.2	25,700	160
165				19.1	168.8	28,300	30.9	186.6	26,500	39.2	195.4	24,700	165
170				9.3	149.0	27,100	25.8	177.3	25,400	35.2	188.8	23,700	170
171				5.6	141.3	26,900	24.6	174.9	25,200	34.3	187.3	23,500	171
175							19.6	165.4	24,400	30.8	181.1	22,800	175
180							10.4	146.8	23,500	25.8	171.8	21,900	180
181							7.3	140.4	23,300	24.6	169.4	21,800	181
185										19.6	159.9	21,100	185
190										10.3	141.2	20,300	190
191										7.2	134.7	20,100	191

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



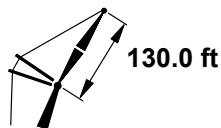
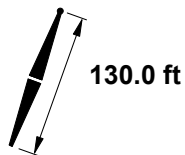
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.7	264.0	50,600 c						44	
45	75.2	263.7	50,300 b						45	
50	72.9	262.3	49,300 b						50	
55	70.6	260.6	48,300 b						55	
60	68.2	258.8	47,400						60	
65	65.8	256.6	46,600						65	
66	65.4	256.2	46,400	70.7	259.7	49,100			66	
70	63.4	254.3	45,700	68.8	258.2	48,600			70	
75	60.9	251.6	44,900	66.5	256.1	47,800			75	
79	58.9	249.3	43,700	64.5	254.3	47,300	67.8	256.1	47,900	79
80	58.4	248.7	43,400	64.0	253.8	47,100	67.3	255.7	47,800	80
85	55.7	245.5	41,700	61.6	251.2	46,200	64.9	253.5	47,400	85
90	53.0	241.9	40,100	59.0	248.4	44,500	62.4	251.0	46,700	90
95	50.2	237.9	38,600	56.4	245.2	42,800	59.9	248.3	45,100	95
100	47.3	233.5	37,200	53.7	241.7	41,200	57.3	245.2	43,500	100
105	44.2	228.6	35,800	50.9	237.9	39,600	54.7	241.9	41,900	105
110	40.9	223.2	34,500	48.0	233.6	38,200	51.9	238.1	40,300	110
115	37.4	217.1	33,300	45.0	228.9	36,800	49.1	234.0	38,900	115
120	33.7	210.1	31,600	41.8	223.6	35,400	46.1	229.4	37,400	120
121	32.8	208.4	31,200	41.1	222.4	35,100	45.4	228.4	37,100	121
125	29.4	201.9	29,800	38.4	217.6	34,100	42.9	224.3	36,000	125
130	24.6	192.1	28,200	34.7	210.9	32,900	39.6	218.6	34,800	130
135	18.6	179.5	26,700	30.6	203.1	31,800	36.0	212.2	33,500	135
140	9.5	159.5	25,600	25.9	193.8	30,800	32.0	204.8	32,400	140
141	6.3	152.3	24,100	24.8	191.4	30,700	31.1	203.0	32,200	141
145				20.3	182.1	30,000	27.6	196.0	31,400	145
150				12.5	165.1	28,700	22.4	185.3	30,500	150
153				2.0	141.4	24,100	18.3	176.6	29,800	153
155							15.6	170.8	29,400	155
159							6.3	150.1	27,800	159
160										160
165										165
170										170
175										175
180										180
181										181
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191										191
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200										200
201										201

MLC250 S-3

ASME B30.5



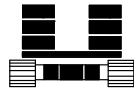
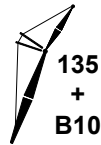
219,600 lb
+
80,000 lb



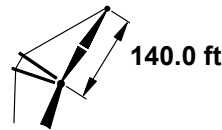
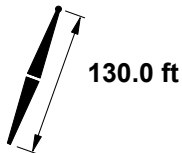
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
55													55
60													60
65													65
66													66
70													70
75													75
79													79
80													80
85													85
90													90
95													95
100	62.9	248.9	45,800										100
105	60.4	246.2	44,900										105
110	57.9	243.2	43,500										110
115	55.2	239.9	42,100										115
120	52.5	236.3	40,600										120
121	51.9	235.5	40,300	57.7	239.5	41,800							121
125	49.6	232.2	39,200	55.6	236.9	40,200							125
130	46.7	227.8	37,800	52.9	233.3	38,200							130
135	43.6	222.8	36,500	50.1	229.3	36,500							135
140	40.3	217.2	35,100	47.1	224.9	34,800							140
141	39.6	216.0	34,900	46.5	223.9	34,500	52.6	228.3	32,300				141
145	36.7	210.9	34,000	44.1	220.0	33,300	50.3	225.1	31,100				145
150	32.9	203.7	32,800	40.8	214.5	31,900	47.4	220.7	29,800				150
153	30.3	198.7	32,200	38.7	210.8	31,100	45.5	217.8	29,000				153
155	28.6	195.3	31,800	37.3	208.3	30,600	44.3	215.9	28,500				155
159	24.5	187.1	31,000	34.3	202.7	29,600	41.7	211.5	27,600	48.0	216.2	25,700	159
160	23.5	185.1	30,800	33.5	201.3	29,300	41.1	210.4	27,400	47.4	215.3	25,500	160
165	17.2	171.6	29,800	29.3	193.1	28,100	37.6	204.3	26,300	44.3	210.4	24,500	165
170	6.4	147.8	27,900	24.4	183.2	27,000	33.8	197.4	25,200	41.0	205.0	23,500	170
175				18.3	170.4	26,000	29.6	189.3	24,300	37.6	198.9	22,600	175
180				8.9	149.8	25,000	24.8	179.6	23,300	33.8	191.9	21,700	180
181				5.4	141.8	24,800	23.6	177.1	23,200	32.9	190.3	21,600	181
185							18.9	167.1	22,500	29.6	183.8	20,900	185
190							10.0	147.7	21,600	24.8	174.1	20,100	190
191							7.0	141.0	21,400	23.6	171.6	20,000	191
195										18.8	161.6	19,400	195
200										9.9	142.1	18,600	200
201										6.9	135.3	18,500	201

MLC250 S-3

ASME B30.5



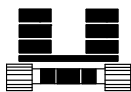
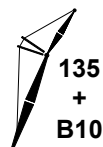
219,600 lb
+
80,000 lb



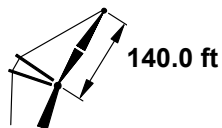
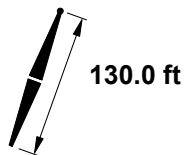
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	75.9	273.8	47,100 b						46	
50	74.2	272.7	46,300						50	
55	72.0	271.2	45,400						55	
60	69.9	269.5	44,600						60	
65	67.7	267.5	43,800						65	
69	65.9	265.8	43,200	70.9	269.2	45,500			69	
70	65.4	265.4	43,100	70.4	268.8	45,400			70	
75	63.2	262.9	41,300	68.2	267.0	44,700			75	
80	60.8	260.3	39,700	66.0	264.8	43,900			80	
83	59.4	258.5	38,700	64.7	263.4	42,900	67.7	265.3	44,200	83
85	58.5	257.4	38,100	63.8	262.5	42,300	66.8	264.5	44,000	85
90	56.0	254.1	36,600	61.4	259.9	40,600	64.5	262.2	42,700	90
95	53.5	250.6	35,100	59.1	257.1	39,000	62.2	259.7	41,100	95
100	50.9	246.7	33,700	56.7	253.9	37,500	59.9	256.9	39,600	100
105	48.3	242.5	32,300	54.2	250.5	36,000	57.5	253.9	38,100	105
110	45.5	237.8	31,100	51.6	246.7	34,500	55.1	250.6	36,600	110
115	42.5	232.6	29,800	49.0	242.5	33,200	52.5	246.9	35,200	115
120	39.4	226.9	28,600	46.2	238.0	31,800	49.9	242.9	33,800	120
125	36.0	220.4	27,400	43.3	232.9	30,500	47.2	238.5	32,500	125
126	35.3	218.9	27,300	42.7	231.8	30,300	46.6	237.5	32,200	126
130	32.4	213.0	26,500	40.2	227.3	29,300	44.3	233.6	31,100	130
135	28.4	204.5	25,500	36.9	221.0	28,200	41.3	228.2	29,900	135
140	23.7	194.3	24,600	33.4	213.9	27,100	38.1	222.2	28,700	140
145	17.9	181.1	23,700	29.4	205.8	26,100	34.6	215.4	27,600	145
147	14.4	172.8	23,300	27.6	201.9	25,800	33.1	212.2	27,200	147
150	9.2	160.3	22,700	25.0	196.0	25,200	30.8	207.6	26,600	150
151	6.1	152.8	21,600	23.9	193.6	25,000	30.0	205.8	26,400	151
155				19.6	183.8	24,300	26.6	198.5	25,600	155
160				12.0	166.1	23,800	21.6	187.3	24,800	160
163				1.9	141.6	21,600	17.6	178.2	24,400	163
165							15.0	172.1	24,100	165
166							12.8	166.8	24,000	166
169							6.1	150.7	23,800	169
170										170
175										175
180										180
185										185
190										190
191										191
195										195
200										200
201										201
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211										211

MLC250 S-3

ASME B30.5



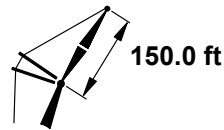
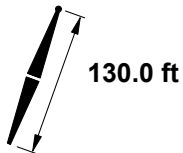
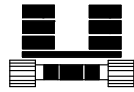
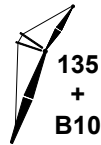
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
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	62.7	257.6	40,700										105
110	60.4	254.9	39,500										110
115	58.0	251.9	38,100										115
120	55.6	248.6	36,700										120
125	53.0	245.0	35,400										125
126	52.5	244.2	35,100	57.9	248.2	37,200							126
130	50.4	241.1	34,100	55.9	245.6	36,300							130
135	47.7	236.8	32,800	53.4	242.0	35,100							135
140	44.9	232.0	31,500	50.8	238.1	33,900							140
145	41.9	226.7	30,300	48.1	233.8	32,800							145
147	40.6	224.3	29,800	47.0	232.0	32,300	52.6	236.3	30,200				147
150	38.8	220.8	29,100	45.3	229.1	31,500	51.0	233.9	29,400				150
151	38.1	219.5	28,900	44.7	228.1	31,300	50.5	233.1	29,200				151
155	35.4	214.2	28,000	42.4	223.9	30,200	48.4	229.7	28,200				155
160	31.7	206.6	27,000	39.2	218.1	29,000	45.6	225.0	27,000				160
163	29.2	201.3	26,400	37.2	214.2	28,300	43.8	221.9	26,400				163
165	27.5	197.8	26,000	35.9	211.6	27,800	42.6	219.9	25,900				165
166	26.5	195.7	25,800	35.2	210.2	27,600	42.0	218.7	25,700	47.8	223.3	23,900	166
169	23.6	189.3	25,300	33.0	205.7	27,000	40.1	215.3	25,100	46.1	220.5	23,300	169
170	22.7	187.1	25,100	32.2	204.3	26,700	39.5	214.1	24,900	45.5	219.6	23,100	170
175	16.6	173.1	24,400	28.2	195.7	25,700	36.2	207.7	23,900	42.6	214.4	22,200	175
180	6.2	148.3	24,000	23.5	185.3	24,700	32.5	200.4	23,000	39.5	208.7	21,400	180
185				17.6	172.0	23,800	28.5	191.9	22,200	36.2	202.2	20,600	185
190				8.6	150.5	22,900	23.9	181.7	21,300	32.5	194.9	19,800	190
191				5.2	142.3	22,700	22.7	179.1	21,200	31.7	193.2	19,600	191
195							18.2	168.7	20,500	28.5	186.4	19,100	195
200							9.7	148.5	19,800	23.8	176.2	18,400	200
201							6.8	141.6	19,600	22.4	172.9	18,200	201
210										9.6	142.9	17,000	210
211										6.7	135.9	16,900	211

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ASME B30.5



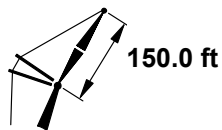
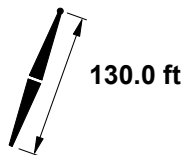
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
48	76.0	283.6	43,800 b						48	
50	75.2	283.1	43,500						50	
55	73.3	281.7	42,600						55	
60	71.3	280.1	41,800						60	
65	69.2	278.3	41,100						65	
70	67.2	276.3	39,700						70	
72	66.3	275.4	39,100	71.0	278.7	42,000			72	
75	65.1	274.1	38,100	69.8	277.7	41,700			75	
80	63.0	271.6	36,500	67.7	275.7	40,400			80	
85	60.8	268.9	35,000	65.6	273.6	38,800			85	
86	60.3	268.4	34,700	65.2	273.1	38,500	68.0	274.9	40,300	86
90	58.6	266.0	33,500	63.5	271.2	37,400	66.3	273.2	39,200	90
95	56.3	262.8	32,100	61.4	268.6	35,800	64.2	270.9	37,700	95
100	54.0	259.3	30,800	59.2	265.7	34,400	62.1	268.4	36,300	100
105	51.6	255.5	29,400	56.9	262.6	32,900	59.9	265.6	34,900	105
109	49.6	252.2	28,400	55.1	259.9	31,800	58.1	263.2	33,800	109
110	49.1	251.4	28,200	54.6	259.2	31,500	57.7	262.6	33,500	110
115	46.5	246.9	26,900	52.2	255.5	30,200	55.4	259.3	32,100	115
120	43.8	241.9	25,800	49.8	251.4	28,900	53.0	255.7	30,800	120
125	41.0	236.4	24,700	47.2	247.0	27,600	50.6	251.7	29,500	125
130	38.0	230.4	23,600	44.5	242.1	26,500	48.1	247.4	28,200	130
131	37.3	229.0	23,400	44.0	241.1	26,200	47.6	246.5	28,000	131
135	34.8	223.6	22,700	41.7	236.8	25,300	45.5	242.7	27,000	135
140	31.3	215.9	21,800	38.8	230.9	24,200	42.7	237.6	25,800	140
145	27.4	207.0	20,800	35.6	224.3	23,200	39.8	231.9	24,700	145
150	22.9	196.3	20,000	32.2	216.9	22,200	36.7	225.5	23,700	150
153	19.5	188.1	19,600	29.9	211.8	21,700	34.7	221.3	23,100	153
155	17.3	182.6	19,300	28.4	208.3	21,400	33.4	218.4	22,700	155
160	8.9	161.1	18,800	24.1	198.2	20,500	29.8	210.3	21,800	160
161	5.9	153.4	18,800	23.1	195.7	20,400	28.9	208.4	21,600	161
165				18.9	185.5	19,800	25.7	200.8	20,900	165
170				11.6	167.2	19,200	20.8	189.1	20,100	170
173				1.8	141.7	19,000	17.0	179.7	19,700	173
175							14.5	173.4	19,400	175
179							5.9	151.2	19,100	179
180										180
185										185
190										190
200										200
201										201
210										210
211										211
220										220
221										221

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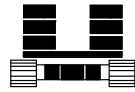
219,600 lb
+
80,000 lb



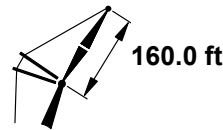
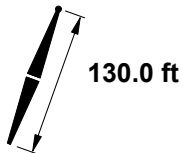
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
60													60
65													65
70													70
72													72
75													75
80													80
85													85
86													86
90													90
95													95
100													100
105													105
109	63.0	266.8	36,200										109
110	62.5	266.3	36,000										110
115	60.4	263.5	34,800										115
120	58.1	260.6	33,500										120
125	55.9	257.3	32,200										125
130	53.5	253.8	31,000										130
131	53.0	253.0	30,700	58.0	256.8	32,700							131
135	51.1	249.9	29,700	56.2	254.2	31,800							135
140	48.6	245.7	28,500	53.9	250.7	30,700							140
145	46.0	241.1	27,300	51.5	246.9	29,600							145
150	43.3	236.0	26,100	49.0	242.8	28,500							150
153	41.6	232.7	25,500	47.4	240.0	27,800	52.6	244.3	28,600				153
155	40.4	230.5	25,100	46.4	238.2	27,400	51.7	242.7	28,100				155
160	37.4	224.3	24,000	43.7	233.2	26,300	49.2	238.6	26,900				160
161	36.7	222.9	23,800	43.1	232.1	26,000	48.7	237.7	26,700				161
165	34.1	217.3	23,000	40.9	227.7	25,200	46.6	234.1	25,800				165
170	30.6	209.4	22,000	37.9	221.6	24,200	43.9	229.1	24,800				170
173	28.2	203.9	21,500	35.9	217.5	23,600	42.2	225.9	24,200	47.7	230.5	22,500	173
175	26.6	200.2	21,200	34.6	214.8	23,200	41.1	223.7	23,900	46.6	228.6	22,100	175
179	22.8	191.3	20,500	31.8	208.6	22,500	38.7	218.8	23,100	44.5	224.7	21,500	179
180	21.9	189.1	20,400	31.1	207.1	22,300	38.1	217.6	23,000	43.9	223.7	21,300	180
185	16.0	174.6	19,700	27.2	198.1	21,400	34.9	210.9	22,100	41.1	218.2	20,500	185
190	6.0	148.8	19,200	22.7	187.4	20,600	31.4	203.2	21,300	38.1	212.2	19,700	190
200				8.3	151.3	19,400	23.1	183.8	19,800	31.4	197.8	18,300	200
201				5.0	142.7	19,300	21.7	180.3	19,600	30.6	195.8	18,200	201
210							9.3	149.3	18,400	23.0	178.3	17,000	210
211							6.6	142.2	18,200	21.6	174.9	16,900	211
220										9.3	143.7	15,800	220
221										6.5	136.5	15,700	221

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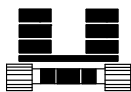
219,600 lb
+
80,000 lb



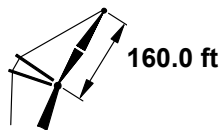
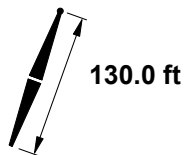
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	75.8	293.1	40,400							51
55	74.3	292.1	39,700							55
60	72.5	290.6	39,100							60
65	70.6	288.9	37,900							65
70	68.7	287.1	36,300							70
75	66.7	285.0	34,800							75
76	66.3	284.6	34,500	70.7	287.9	38,000				76
80	64.8	282.8	33,300	69.2	286.5	36,800				80
85	62.8	280.3	31,900	67.2	284.5	35,300				85
90	60.7	277.6	30,400	65.3	282.3	33,900	67.9	284.1	35,600	90
95	58.7	274.7	29,000	63.3	279.9	32,500	66.0	281.9	34,300	95
100	56.5	271.5	27,700	61.3	277.2	31,100	64.0	279.6	32,800	100
105	54.4	268.1	26,400	59.2	274.4	29,700	62.0	277.0	31,500	105
110	52.1	264.3	25,100	57.1	271.3	28,300	59.9	274.3	30,200	110
114	50.3	261.1	24,200	55.4	268.6	27,300	58.2	271.8	29,100	114
115	49.8	260.3	24,000	54.9	267.9	27,100	57.8	271.2	28,800	115
120	47.4	255.9	22,800	52.7	264.2	25,800	55.7	268.0	27,500	120
125	45.0	251.1	21,800	50.4	260.3	24,600	53.5	264.4	26,300	125
130	42.4	245.9	20,700	48.1	256.0	23,400	51.2	260.6	25,100	130
135	39.6	240.1	19,800	45.6	251.3	22,300	48.9	256.4	23,900	135
137	38.5	237.6	19,400	44.6	249.2	21,900	47.9	254.5	23,500	137
140	36.7	233.7	18,800	43.1	246.2	21,200	46.5	251.8	22,800	140
145	33.6	226.7	17,900	40.4	240.6	20,200	43.9	246.8	21,700	145
150	30.3	218.6	17,000	37.5	234.4	19,200	41.3	241.4	20,700	150
155	26.5	209.4	16,300	34.5	227.5	18,400	38.5	235.4	19,700	155
159	23.0	200.5	15,700	31.8	221.3	17,700	36.1	230.1	18,900	159
160	22.1	198.3	15,500	31.2	219.7	17,500	35.5	228.8	18,700	160
165	16.8	184.1	14,600	27.5	210.8	16,700	32.3	221.4	17,900	165
170	8.6	161.9	13,800	23.3	200.3	15,900	28.8	212.9	17,000	170
171	5.7	153.9	13,600	22.3	197.7	15,700	28.0	210.9	16,800	171
175				18.3	187.1	15,000	24.8	203.0	16,300	175
179				12.7	172.0	14,300	21.1	193.3	15,600	179
180				11.3	168.2	14,100	20.2	190.9	15,400	180
183				1.8	141.9	13,700	16.5	181.2	14,800	183
185							14.1	174.7	14,400	185
189							5.7	151.7	13,800	189
190										190
200										200
210										210
211										211
220										220
221										221
230										230
231										231

MLC250 S-3

ASME B30.5



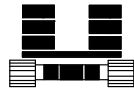
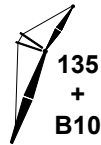
219,600 lb
+
80,000 lb



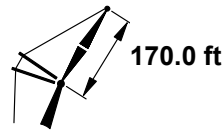
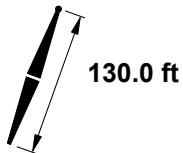
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
55													55
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
95													95
100													100
105													105
110													110
114	62.8	275.5	31,500										114
115	62.4	274.9	31,300										115
120	60.3	272.2	30,100										120
125	58.3	269.2	28,900										125
130	56.1	266.0	27,600										130
135	53.9	262.5	26,500										135
137	53.0	261.0	26,000	57.7	264.9	28,000							137
140	51.7	258.7	25,300	56.5	262.9	27,400							140
145	49.4	254.6	24,100	54.3	259.5	26,300							145
150	47.0	250.1	23,000	52.0	255.7	25,300							150
155	44.5	245.3	22,000	49.7	251.7	24,200							155
159	42.4	241.0	21,200	47.8	248.1	23,300	52.7	252.3	25,000				159
160	41.9	239.9	21,000	47.3	247.2	23,100	52.2	251.5	24,800				160
165	39.1	234.1	20,000	44.9	242.4	22,100	49.9	247.5	23,900				165
170	36.2	227.6	19,000	42.3	237.2	21,100	47.5	243.1	22,900				170
171	35.5	226.1	18,900	41.7	236.0	20,900	47.0	242.1	22,700				171
175	33.0	220.3	18,100	39.5	231.4	20,100	45.1	238.3	22,000				175
179	30.2	213.7	17,500	37.2	226.3	19,300	43.0	234.1	21,200	48.0	238.6	21,100	179
180	29.6	212.1	17,300	36.6	225.0	19,200	42.5	233.1	21,100	47.5	237.6	20,900	180
183	27.2	206.4	16,800	34.7	220.7	18,600	40.8	229.6	20,500	46.0	234.8	20,400	183
185	25.7	202.5	16,500	33.5	217.9	18,300	39.8	227.4	20,100	45.0	232.9	20,100	185
189	22.1	193.3	15,900	30.8	211.4	17,600	37.4	222.3	19,400	43.0	228.7	19,500	189
190	21.2	191.0	15,700	30.1	209.8	17,400	36.9	221.0	19,200	42.5	227.6	19,400	190
200	5.8	149.4	13,900	21.9	189.3	15,900	30.4	206.0	17,500	36.8	215.6	18,000	200
210				8.1	152.0	14,000	22.3	185.8	16,000	30.4	200.5	16,700	210
211				4.9	143.2	13,900	21.0	182.2	15,800	29.6	198.5	16,600	211
220							9.0	150.1	14,200	22.3	180.3	15,500	220
221							6.3	142.7	14,000	20.9	176.7	15,400	221
230										9.0	144.5	14,200	230
231										6.2	137.0	14,000	231

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



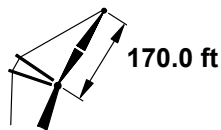
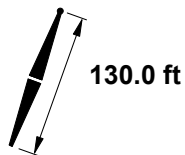
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
53	76.0	303.0	37,300						53	
55	75.3	302.4	37,100						55	
60	73.5	301.0	36,300						60	
65	71.8	299.5	34,900						65	
70	70.0	297.8	33,500						70	
75	68.2	295.8	32,100						75	
79	66.7	294.2	30,900	70.8	297.5	34,100			79	
80	66.3	293.7	30,600	70.4	297.1	33,900			80	
85	64.5	291.5	29,200	68.6	295.3	32,500			85	
90	62.6	289.0	27,900	66.8	293.2	31,100			90	
94	61.1	286.8	26,800	65.3	291.4	30,000	67.8	293.2	31,600	94
95	60.7	286.3	26,500	65.0	291.0	29,700	67.4	292.8	31,300	95
100	58.7	283.4	25,200	63.1	288.5	28,400	65.6	290.6	30,100	100
105	56.8	280.2	24,000	61.2	285.9	27,100	63.7	288.3	28,800	105
110	54.7	276.8	22,800	59.3	283.0	25,800	61.9	285.7	27,500	110
115	52.6	273.1	21,700	57.3	279.9	24,600	59.9	282.9	26,200	115
118	51.3	270.7	21,000	56.1	277.9	23,900	58.7	281.1	25,500	118
120	50.5	269.1	20,600	55.2	276.6	23,400	58.0	279.9	25,000	120
125	48.2	264.8	19,500	53.2	273.0	22,200	55.9	276.7	23,800	125
130	45.9	260.2	18,500	51.0	269.1	21,100	53.9	273.1	22,700	130
135	43.6	255.2	17,600	48.8	264.9	20,000	51.8	269.4	21,600	135
140	41.0	249.7	16,600	46.5	260.3	19,000	49.6	265.3	20,400	140
142	40.0	247.2	16,300	45.6	258.4	18,600	48.7	263.5	20,000	142
145	38.4	243.6	15,800	44.2	255.4	18,000	47.3	260.8	19,400	145
150	35.6	237.0	15,000	41.7	250.0	17,100	45.0	256.0	18,400	150
155	32.6	229.6	14,200	39.1	244.2	16,200	42.6	250.8	17,500	155
160	29.3	221.3	13,200	36.4	237.7	15,400	40.0	245.1	16,600	160
165	25.7	211.7	12,300	33.4	230.5	14,600	37.3	238.9	15,700	165
170	21.5	200.2	11,500	30.2	222.5	13,600	34.4	232.0	14,900	170
175	16.2	185.6	10,600	26.7	213.2	12,600	31.3	224.2	13,900	175
180	8.3	162.6	9,900	22.6	202.3	11,800	27.9	215.4	13,000	180
181	5.5	154.4	9,800	21.5	199.0	11,600	27.1	213.1	12,800	181
186				15.6	182.4	10,800	22.9	201.8	12,000	186
190				10.9	169.1	10,200	19.5	192.7	11,300	190
193				1.7	142.0	9,800	14.9	179.2	10,800	193
199							5.5	152.2	9,900	199
200										200
210										210
220										220
221										221
230										230
231										231
240										240
241										241

MLC250 S-3

ASME B30.5



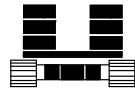
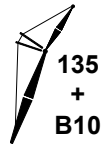
219,600 lb
+
80,000 lb



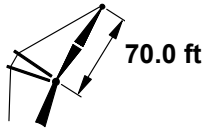
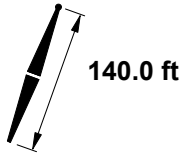
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
65													65
70													70
75													75
79													79
80													80
85													85
90													90
94													94
95													95
100													100
105													105
110													110
115													115
118	63.0	284.6	27,800										118
120	62.2	283.6	27,300										120
125	60.3	280.9	26,200										125
130	58.4	277.9	25,100										130
135	56.4	274.7	24,000										135
140	54.3	271.2	22,800										140
142	53.5	269.7	22,400	57.9	273.5	24,300							142
145	52.2	267.5	21,800	56.7	271.6	23,700							145
150	50.0	263.5	20,700	54.6	268.2	22,700							150
155	47.8	259.1	19,700	52.5	264.5	21,700							155
160	45.5	254.4	18,700	50.4	260.5	20,700							160
165	43.1	249.3	17,700	48.2	256.2	19,700	52.7	260.3	21,400				165
170	40.6	243.7	16,900	45.8	251.5	18,800	50.6	256.3	20,500				170
175	37.9	237.6	16,000	43.5	246.5	17,900	48.3	252.0	19,600				175
180	35.0	230.8	15,100	40.9	241.0	16,900	46.0	247.4	18,700				180
181	34.4	229.2	15,000	40.4	239.7	16,800	45.5	246.4	18,600				181
186	31.2	221.1	14,000	37.7	233.3	15,900	43.1	241.1	17,700	47.9	245.7	19,000	186
190	28.7	214.7	13,300	35.5	228.3	15,300	41.1	236.9	17,000	46.0	242.0	18,400	190
193	26.2	208.1	12,700	33.6	223.5	14,700	39.5	233.1	16,500	44.6	238.8	17,900	193
199	21.4	195.0	11,600	29.8	214.0	13,600	36.3	225.6	15,500	41.6	232.5	17,000	199
200	20.6	192.9	11,500	29.2	212.5	13,400	35.7	224.3	15,300	41.1	231.5	16,800	200
210	5.6	149.9	10,000	21.3	191.2	11,700	29.5	208.7	13,500	35.7	218.9	15,200	210
220				7.8	152.7	10,100	21.6	187.7	11,800	29.4	203.2	13,600	220
221				4.7	143.6	9,900	20.4	184.1	11,600	28.7	201.1	13,400	221
230							8.8	150.9	10,100	21.6	182.3	11,800	230
231							6.2	143.3	10,000	20.3	178.6	11,600	231
240										8.7	145.3	10,200	240
241										6.1	137.6	10,100	241

MLC250 S-3

ASME B30.5



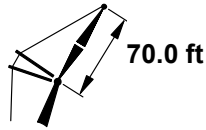
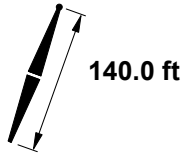
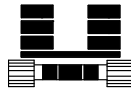
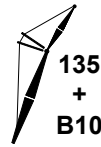
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	70.9	214.2	100,600 d							35
40	66.5	212.2	100,300 c							40
45	62.0	209.8	99,900 c							45
48	59.2	208.1	98,300 c	70.2	212.7	104,300 d				48
50	57.3	206.9	97,200 c	68.5	212.0	104,300 c				50
55	52.2	203.4	93,400 b	64.0	209.8	104,300 c				55
58	49.0	200.8	91,400 b	61.2	208.2	102,400 c	67.8	210.5	105,400 c	58
60	46.9	199.1	90,100 b	59.3	207.1	101,100 b	66.0	209.6	105,400 c	60
65	41.0	193.9	82,000 b	54.4	203.8	97,100 b	61.4	207.1	100,600 b	65
70	34.2	187.4	74,100	49.2	199.9	93,500	56.7	204.1	93,500 b	70
75	26.1	178.8	66,100	43.6	195.1	85,900	51.6	200.5	85,900 b	75
76	23.7	176.1	63,200	42.3	193.9	84,200	50.5	199.7	84,600 b	76
80	14.2	165.2	51,800	37.3	189.3	77,300	46.2	196.2	79,400	80
82	3.6	152.4	43,100	34.3	186.2	74,500	43.8	194.0	77,100	82
85				29.9	181.7	70,300	40.2	190.8	73,700	85
90				20.2	171.0	62,200	33.4	184.2	68,800	90
93				9.0	157.7	51,200	28.3	178.8	66,100	93
94				5.3	153.3	47,600	26.6	177.0	65,200	94
95							24.9	175.2	64,300	95
100							12.0	160.2	55,500	100
101							7.0	154.2	51,000	101
105										105
109										109
110										110
113										113
115										115
120										120
124										124
125										125
130										130
135										135
136										136
140										140
145										145
146										146

MLC250 S-3

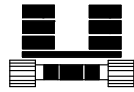
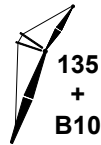
ASME B30.5



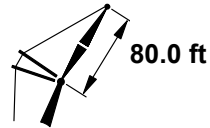
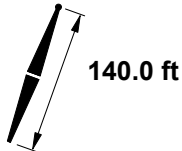
	75°		70°		65°		60°						
ft	ft	lb	ft	lb	ft	lb	ft	lb	ft				
35									35				
40									40				
45									45				
48									48				
50									50				
55									55				
58									58				
60									60				
65									65				
70									70				
75									75				
76	62.3	204.8	79,800 c						76				
80	58.5	202.5	74,900 b						80				
82	56.5	201.2	72,800 b						82				
85	53.6	199.1	69,600 b						85				
90	48.3	195.1	64,900						90				
93	44.8	192.1	62,400	57.1	197.8	58,700 b			93				
94	43.7	191.1	61,600	56.1	197.1	57,900 b			94				
95	42.5	190.1	60,800	55.2	196.4	57,200 b			95				
100	36.1	184.0	57,100	50.0	192.6	53,700 b			100				
101	34.5	182.4	56,400	48.9	191.7	53,100 b			101				
105	28.4	176.1	53,700	44.4	188.0	50,600			105				
109	20.0	166.7	51,300	39.5	183.4	48,300	52.3	189.5	45,400 b	109			
110	18.0	164.4	50,700	38.2	182.3	47,800	51.3	188.7	44,900 b	110			
113	6.2	150.4	48,900	33.9	177.9	46,200	48.0	186.1	43,400 b	113			
115				31.0	175.0	45,200	45.8	184.3	42,500	115			
120				21.8	164.9	42,800	39.8	178.9	40,300	120			
124				9.7	150.7	41,000	34.3	173.5	38,600	47.8	180.1	36,200	124
125							32.9	172.1	38,200	46.7	179.2	35,800	125
130							24.3	162.9	36,400	40.7	174.0	34,100	130
135							10.7	147.1	34,600	34.0	167.4	32,500	135
136							4.4	139.5	34,200	32.3	165.7	32,200	136
140										25.8	158.7	31,000	140
145										13.6	144.7	29,500	145
146										9.4	139.8	29,200	146

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



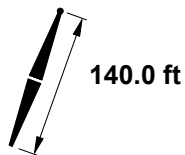
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
32	75.6	225.5	92,800 d							32
35	73.4	224.7	92,600 d							35
40	69.6	223.0	92,300 c							40
45	65.7	221.0	91,800 c							45
50	61.8	218.5	89,200 c							50
51	60.9	217.9	88,400 c	70.5	222.3	95,500 c				51
55	57.6	215.6	85,500 b	67.4	220.7	95,500 c				55
60	53.3	212.1	82,200 b	63.5	218.5	92,800 b				60
62	51.4	210.5	81,000 b	61.9	217.4	91,300 b	67.6	219.6	96,200 c	62
65	48.6	208.1	79,200 b	59.4	215.7	89,100 b	65.3	218.3	94,700 b	65
70	43.7	203.3	73,200	55.2	212.5	85,700	61.3	215.8	91,100 b	70
75	38.2	197.5	67,000	50.7	208.7	82,500	57.1	212.8	85,600 b	75
80	32.0	190.4	61,500	45.9	204.3	77,300	52.7	209.3	79,100	80
85	24.4	181.0	56,700	40.6	199.0	70,200	48.1	205.2	73,500	85
90	13.3	166.4	45,500	34.8	192.5	64,200	43.0	200.3	68,500	90
92	3.3	152.7	38,200	32.0	189.2	62,100	40.8	197.9	66,800	92
95				27.9	184.3	59,000	37.5	194.4	64,200	95
98				22.5	177.3	56,300	33.7	190.0	61,800	98
100				18.9	172.7	54,400	31.1	187.0	60,200	100
104				4.9	153.7	42,200	24.9	179.3	57,300	104
105							23.3	177.3	56,500	105
110							11.2	161.2	49,000	110
111							6.6	154.8	45,200	111
115										115
120										120
123										123
125										125
130										130
131										131
134										134
135										135
140										140
145										145
146										146
150										150
155										155
156										156

MLC250 S-3

ASME B30.5



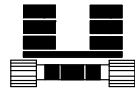
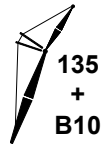
219,600 lb
+
80,000 lb



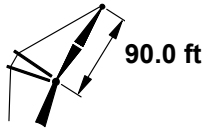
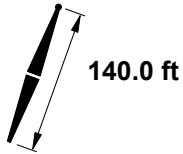
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
35													35
40													40
45													45
50													50
51													51
55													55
60													60
62													62
65													65
70													70
75													75
80	62.8	214.0	74,500 b										80
85	58.7	211.2	69,200 b										85
90	54.4	207.9	64,600										90
92	52.6	206.3	62,900										92
95	49.8	204.0	60,400										95
98	46.9	201.2	58,200	57.5	206.4	54,700 b							98
100	45.0	199.4	56,800	55.8	205.1	53,300							100
104	40.7	195.0	54,100	52.2	202.2	50,900							104
105	39.7	193.9	53,500	51.3	201.4	50,200							105
110	33.7	187.2	50,500	46.6	197.1	47,400							110
111	32.2	185.4	50,000	45.5	196.0	46,900							111
115	26.5	178.5	47,800	41.4	191.9	44,900	52.4	197.5	42,100				115
120	16.8	165.9	45,300	35.7	185.6	42,600	47.8	193.3	39,900				120
123	5.8	150.9	43,800	31.6	180.9	41,300	44.7	190.4	38,700				123
125				29.0	177.7	40,500	42.7	188.4	37,900				125
130				20.4	166.8	38,500	37.1	182.4	36,100				130
131				17.5	163.0	38,100	35.8	180.9	35,700	47.5	187.3	33,400	131
134				9.1	151.6	36,900	32.0	176.4	34,700	44.5	184.3	32,400	134
135							30.7	175.0	34,400	43.5	183.4	32,100	135
140							22.7	165.0	32,800	38.0	177.5	30,600	140
145							10.0	148.0	31,200	31.7	170.4	29,300	145
146							4.1	139.9	30,900	30.2	168.5	29,000	146
150										24.1	160.9	28,000	150
155										12.7	145.9	26,700	155
156										8.8	140.6	26,400	156

MLC250 S-3

ASME B30.5



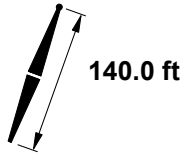
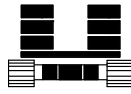
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.9	235.3	84,000 d						34	
35	75.3	235.1	83,900 d						35	
40	72.0	233.6	83,400 d						40	
45	68.6	231.8	81,700 c						45	
50	65.1	229.7	78,300 c						50	
54	62.3	227.7	75,700 c	70.7	231.8	85,100 c			54	
55	61.6	227.2	75,000 b	70.1	231.5	84,400 c			55	
60	57.9	224.2	72,100 b	66.6	229.5	81,100 b			60	
65	54.0	220.9	69,300 b	63.1	227.1	78,000 b			65	
66	53.2	220.1	68,800 b	62.4	226.6	77,400 b	67.5	228.8	81,900 b	66
70	50.0	217.0	66,800	59.5	224.4	75,000	64.7	227.0	79,500 b	70
75	45.7	212.4	64,400	55.7	221.2	72,200	61.1	224.5	76,700 b	75
80	41.1	207.1	60,000	51.8	217.6	69,600	57.4	221.5	74,000	80
85	35.9	200.8	55,200	47.6	213.3	67,100	53.6	218.1	71,300	85
90	30.1	193.2	51,000	43.1	208.4	64,900	49.5	214.1	68,400	90
95	23.0	183.1	47,400	38.2	202.6	59,600	45.2	209.5	64,000	95
100	12.5	167.5	40,000	32.7	195.5	55,100	40.5	204.1	60,100	100
102	3.1	152.9	33,800	30.2	192.0	53,500	38.4	201.5	58,800	102
103				28.9	190.2	52,700	37.4	200.2	58,100	103
105				26.3	186.7	51,100	35.3	197.6	56,700	105
110				17.8	174.3	47,600	29.3	189.7	52,800	110
114				4.6	154.1	37,400	23.4	181.4	49,900	114
115							22.0	179.3	49,200	115
120							10.6	162.2	43,300	120
121							6.2	155.4	40,100	121
125										125
130										130
133										133
135										135
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MLC250 S-3

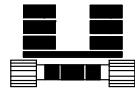
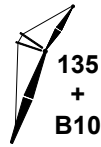
ASME B30.5



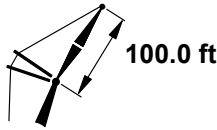
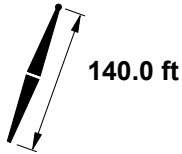
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
35													35
40													40
45													45
50													50
54													54
55													55
60													60
65													65
66													66
70													70
75													75
80													80
85	62.5	222.6	69,000 b										85
90	58.8	219.8	64,300										90
95	55.0	216.6	60,200										95
100	51.0	212.8	56,600										100
102	49.4	211.1	55,300										102
103	48.5	210.2	54,600	57.8	215.1	51,200							103
105	46.8	208.5	53,300	56.3	213.8	50,000							105
110	42.3	203.4	50,400	52.3	210.2	47,200							110
114	38.3	198.6	48,200	49.0	206.9	45,200							114
115	37.3	197.4	47,700	48.2	206.1	44,700							115
120	31.7	190.1	45,200	43.8	201.2	42,400							120
121	30.3	188.2	44,800	42.8	200.1	42,000	52.5	205.5	39,200				121
125	25.0	180.8	43,000	38.9	195.5	40,300	49.2	202.3	37,700				125
130	15.8	167.4	40,900	33.6	188.7	38,400	44.9	197.6	35,900				130
133	5.5	151.4	39,600	29.8	183.6	37,300	42.0	194.3	34,900				133
135				27.3	180.2	36,600	40.2	192.1	34,200				135
138				22.4	173.2	35,600	37.0	188.2	33,300	47.3	194.4	31,000	138
140				19.2	168.5	34,900	34.9	185.6	32,600	45.5	192.5	30,400	140
144				8.5	152.3	33,600	30.1	179.2	31,500	41.8	188.3	29,300	144
145							28.9	177.6	31,200	40.9	187.2	29,100	145
150							21.4	167.0	29,800	35.7	180.9	27,800	150
155							9.4	148.8	28,500	29.9	173.1	26,600	155
156							3.9	140.2	28,200	28.4	171.1	26,400	156
160										22.7	163.0	25,500	160
165										11.9	146.9	24,400	165
166										8.3	141.3	24,200	166

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ASME B30.5



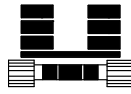
219,600 lb
+
80,000 lb



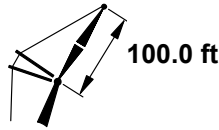
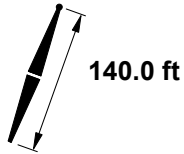
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37	75.6	244.9	77,000 d							37
40	73.8	244.1	76,700 d							40
45	70.8	242.5	76,100 c							45
50	67.8	240.6	73,100 c							50
55	64.6	238.4	70,000 b							55
57	63.3	237.4	68,800 b	70.9	241.4	77,300 b				57
60	61.4	235.8	67,000 b	69.1	240.3	75,500 b				60
65	58.1	232.9	64,200 b	66.0	238.2	72,500 b				65
69	55.3	230.2	62,200 b	63.4	236.3	70,200 b	68.0	238.4	74,300 b	69
70	54.6	229.6	61,600	62.8	235.8	69,600	67.4	238.0	73,600 b	70
75	51.1	225.8	59,300	59.5	233.1	66,800	64.2	235.7	71,000	75
80	47.3	221.5	57,000	56.2	229.9	64,200	61.0	233.1	68,300	80
85	43.2	216.5	53,700	52.6	226.3	61,700	57.7	230.2	65,700	85
89	39.7	211.9	50,500	49.7	223.1	59,800	54.9	227.5	63,700	89
90	38.9	210.8	49,700	48.9	222.3	59,400	54.2	226.8	63,200	90
95	34.0	204.0	46,100	45.0	217.6	57,100	50.6	222.9	60,900	95
100	28.5	195.8	42,900	40.8	212.2	54,800	46.8	218.5	58,600	100
105	21.8	185.1	40,100	36.2	205.9	50,800	42.7	213.5	56,400	105
108	15.8	175.2	37,400	33.1	201.4	48,800	40.1	210.0	54,100	108
110	11.9	168.6	35,600	31.0	198.4	47,400	38.3	207.7	52,600	110
112	3.0	153.2	30,200	28.6	194.6	46,100	36.3	204.9	51,100	112
115				24.9	189.0	44,300	33.4	200.7	48,900	115
120				16.9	175.9	41,500	27.8	192.3	45,600	120
124				4.4	154.5	33,500	22.2	183.4	43,300	124
125							20.8	181.2	42,700	125
127							16.5	173.9	41,100	127
130							10.0	163.1	38,800	130
131							5.9	155.9	36,000	131
135										135
140										140
143										143
144										144
145										145
150										150
154										154
155										155
160										160
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ASME B30.5



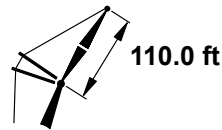
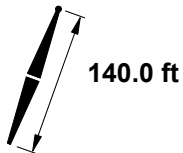
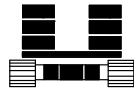
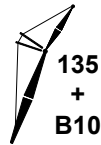
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37													37
40													40
45													45
50													50
55													55
57													57
60													60
65													65
69													69
70													70
75													75
80													80
85													85
89	62.9	231.8	64,800										89
90	62.2	231.3	64,000										90
95	58.9	228.5	59,900										95
100	55.5	225.3	56,200										100
105	52.0	221.6	53,000										105
108	49.7	219.1	51,200	58.0	223.8	47,900							108
110	48.3	217.4	50,000	56.6	222.5	46,800							110
112	46.7	215.5	49,000	55.2	221.1	45,800							112
115	44.3	212.7	47,400	53.1	219.0	44,300							115
120	40.0	207.1	44,900	49.5	215.0	42,000							120
124	36.3	201.9	43,200	46.3	211.3	40,400							124
125	35.3	200.7	42,700	45.6	210.4	40,000							125
127	33.2	197.5	41,900	43.9	208.3	39,200	52.6	213.5	36,500				127
130	30.0	192.9	40,700	41.4	205.1	38,000	50.4	211.1	35,500				130
131	28.7	190.9	40,300	40.5	203.9	37,700	49.6	210.2	35,100				131
135	23.7	183.0	38,800	36.9	199.0	36,300	46.5	206.7	33,800				135
140	15.0	168.7	37,000	31.8	191.6	34,600	42.4	201.6	32,300				140
143	5.2	151.9	35,900	28.2	186.2	33,700	39.8	198.1	31,400				143
144				27.0	184.4	33,400	38.9	196.9	31,100	47.9	202.5	28,900	144
145				25.8	182.6	33,100	38.0	195.7	30,800	47.1	201.6	28,700	145
150				18.2	170.2	31,600	33.1	188.7	29,500	43.1	196.6	27,400	150
154				8.1	153.1	30,500	28.5	181.8	28,500	39.6	192.0	26,500	154
155							27.4	180.1	28,300	38.7	190.8	26,300	155
160							20.3	168.8	27,100	33.9	184.0	25,200	160
165							8.9	149.6	25,900	28.3	175.7	24,100	165
166							3.7	140.5	25,600	26.9	173.5	23,900	166
170										21.5	164.9	23,100	170
175										11.3	148.0	22,200	175
176										7.9	142.0	22,000	176

MLC250 S-3

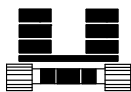
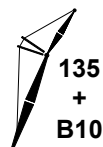
ASME B30.5



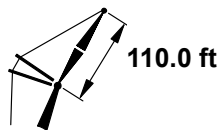
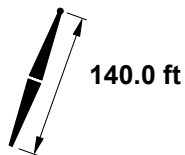
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
39	75.9	254.7	71,000 c						39	
40	75.3	254.4	70,800 c						40	
45	72.6	253.0	70,300 c						45	
50	69.9	251.3	68,200 b						50	
55	67.1	249.3	65,700 b						55	
60	64.2	247.1	63,300						60	
61	63.6	246.5	62,900	70.5	250.6	69,500 b			61	
65	61.3	244.5	61,200	68.3	249.1	67,600 b			65	
70	58.3	241.6	59,000	65.5	246.9	65,600			70	
73	56.4	239.6	57,800	63.7	245.5	64,300	67.9	247.6	67,000 b	73
75	55.1	238.3	56,900	62.6	244.5	63,400	66.7	246.7	66,200	75
80	51.9	234.6	54,900	59.6	241.7	61,300	63.9	244.4	64,300	80
85	48.5	230.4	52,000	56.5	238.6	59,200	60.9	241.8	62,400	85
90	44.9	225.7	48,500	53.3	235.1	57,000	57.9	238.8	60,400	90
94	41.9	221.4	45,800	50.7	231.9	55,300	55.4	236.2	58,700	94
95	41.1	220.4	45,200	50.0	231.1	54,900	54.8	235.5	58,300	95
100	37.0	214.2	42,100	46.5	226.7	52,900	51.5	231.8	56,200	100
105	32.4	207.0	39,300	42.8	221.6	51,200	48.1	227.5	54,200	105
110	27.2	198.2	36,800	38.8	215.8	48,600	44.5	222.8	52,300	110
114	22.0	189.2	35,100	35.3	210.4	46,100	41.4	218.4	50,600	114
115	20.8	187.0	34,600	34.5	209.1	45,400	40.6	217.3	50,100	115
120	11.3	169.6	32,700	29.5	201.1	42,600	36.5	211.0	46,800	120
122	2.8	153.5	27,600	27.2	197.1	41,600	34.6	208.1	45,600	122
125				23.7	191.1	40,100	31.8	203.7	43,900	125
130				16.1	177.3	37,600	26.5	194.7	41,200	130
133				7.2	160.5	32,500	22.5	187.7	39,800	133
134				4.2	154.9	30,800	21.2	185.3	39,300	134
135							19.8	183.0	38,800	135
140							9.6	163.9	36,000	140
141							5.6	156.4	33,300	141
145										145
150										150
151										151
153										153
155										155
160										160
164										164
165										165
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186										186

MLC250 S-3

ASME B30.5



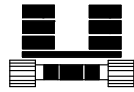
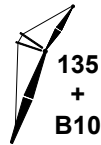
219,600 lb
+
80,000 lb



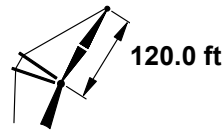
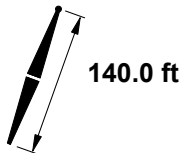
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
50													50
55													55
60													60
61													61
65													65
70													70
73													73
75													75
80													80
85													85
90													90
94	62.6	240.5	60,600										94
95	62.0	240.0	59,800										95
100	59.0	237.2	56,200										100
105	56.0	234.0	52,900										105
110	52.7	230.4	50,000										110
114	50.1	227.1	47,900	57.6	231.8	44,800							114
115	49.4	226.3	47,300	56.9	231.2	44,300							115
120	45.9	221.8	44,900	53.8	227.7	42,000							120
122	44.4	219.7	44,000	52.5	226.2	41,200							122
125	42.1	216.6	42,700	50.5	223.8	39,900							125
130	38.1	210.7	40,700	47.0	219.4	38,000							130
133	35.4	206.5	39,600	44.8	216.4	37,000	52.6	221.5	34,400				133
134	34.5	205.1	39,200	44.1	215.5	36,600	52.0	220.7	34,100				134
135	33.6	203.8	38,800	43.3	214.5	36,300	51.3	220.0	33,800				135
140	28.6	195.5	37,100	39.4	208.8	34,600	47.9	215.7	32,300				140
141	27.4	193.4	36,700	38.5	207.5	34,300	47.1	214.7	32,000				141
145	22.6	185.0	35,400	35.1	202.2	33,100	44.3	210.9	30,800				145
150	14.3	170.0	33,900	30.3	194.4	31,700	40.4	205.4	29,500				150
151	11.2	164.1	33,600	29.1	192.5	31,400	39.5	204.1	29,300	47.7	209.6	27,200	151
153	4.9	152.3	33,000	26.9	188.6	30,900	37.9	201.6	28,800	46.2	207.7	26,700	153
155				24.6	184.8	30,400	36.2	199.0	28,300	44.8	205.8	26,300	155
160				17.3	171.8	29,100	31.5	191.6	27,100	41.0	200.4	25,200	160
164				7.7	153.8	28,100	27.2	184.3	26,300	37.7	195.5	24,400	164
165							26.1	182.5	26,000	36.8	194.2	24,200	165
170							19.3	170.5	25,000	32.2	187.0	23,200	170
175							8.5	150.4	24,000	27.0	178.2	22,300	175
176							3.5	140.8	23,700	25.7	175.9	22,100	176
180										20.5	166.8	21,400	180
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ASME B30.5



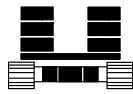
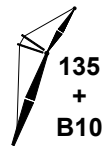
219,600 lb
+
80,000 lb



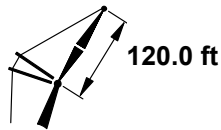
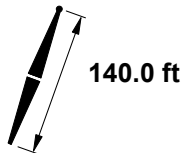
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	75.6	264.2	53,500 c						42	
45	74.1	263.4	52,800 b						45	
50	71.6	261.9	51,600 b						50	
55	69.1	260.1	50,600 b						55	
60	66.5	258.1	49,600						60	
64	64.4	256.2	48,800	70.7	260.1	52,100 b			64	
65	63.9	255.8	48,600	70.2	259.8	52,000 b			65	
70	61.2	253.1	47,700	67.6	257.8	51,200			70	
75	58.4	250.2	46,800	65.0	255.6	50,400			75	
77	57.3	248.9	46,400	63.9	254.6	50,100	67.7	256.7	51,100	77
80	55.6	247.0	45,900	62.3	253.2	49,700	66.2	255.4	50,700	80
85	52.6	243.4	45,100	59.6	250.4	49,000	63.5	253.1	50,100	85
90	49.5	239.3	43,600	56.8	247.3	48,200	60.8	250.5	49,600	90
95	46.3	234.8	41,900	53.9	243.8	46,800	58.1	247.5	49,000	95
98	44.3	231.8	41,000	52.1	241.5	45,700	56.4	245.5	48,200	98
100	42.9	229.8	40,400	50.9	240.0	45,000	55.2	244.2	47,700	100
105	39.3	224.0	38,000	47.7	235.7	43,300	52.3	240.5	46,000	105
110	35.4	217.5	35,700	44.4	230.9	41,800	49.2	236.5	44,300	110
115	31.0	209.8	33,600	40.9	225.4	40,300	45.9	231.9	42,700	115
119	27.0	202.4	32,000	37.9	220.5	39,200	43.2	227.8	41,500	119
120	26.0	200.6	31,600	37.1	219.3	38,900	42.5	226.7	41,200	120
125	19.9	188.8	29,900	32.9	212.1	37,600	38.8	220.9	39,800	125
130	10.8	170.6	28,700	28.3	203.7	36,600	34.9	214.2	38,500	130
132	2.7	153.7	24,400	26.0	199.5	36,100	33.1	211.1	38,000	132
135				22.7	193.2	35,500	30.4	206.4	37,300	135
139				16.8	181.6	34,000	26.3	198.9	36,400	139
140				15.4	178.7	33,600	25.3	197.0	36,200	140
144				4.0	155.3	27,400	20.2	187.2	35,000	144
145							19.0	184.7	34,700	145
150							9.2	164.7	31,900	150
151							5.4	156.9	29,600	151
155										155
158										158
160										160
163										163
165										165
170										170
174										174
175										175
180										180
185										185
186										186
190										190
196										196

MLC250 S-3

ASME B30.5



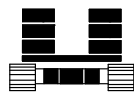
219,600 lb
+
80,000 lb



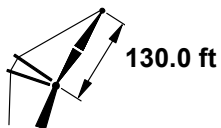
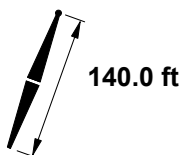
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
42													42
45													45
50													50
55													55
60													60
64													64
65													65
70													70
75													75
77													77
80													80
85													85
90													90
95													95
98	62.9	249.7	48,900										98
100	61.9	248.7	48,800										100
105	59.1	245.8	48,600										105
110	56.3	242.7	48,200										110
115	53.4	239.1	46,500										115
119	50.9	236.0	45,000	57.8	240.5	42,100							119
120	50.3	235.2	44,600	57.2	239.8	41,600							120
125	47.2	230.8	42,400	54.3	236.4	39,600							125
130	43.8	225.9	40,400	51.3	232.6	37,700							130
132	42.4	223.7	39,600	50.1	230.9	37,000							132
135	40.3	220.4	38,500	48.2	228.4	35,900							135
139	37.2	215.3	37,100	45.6	224.6	34,600	52.7	229.5	32,200				139
140	36.4	214.0	36,800	44.9	223.7	34,300	52.1	228.7	31,900				140
144	33.0	208.2	35,500	42.1	219.4	33,100	49.6	225.4	30,700				144
145	32.2	206.7	35,200	41.4	218.3	32,800	49.0	224.6	30,500				145
150	27.3	198.0	33,700	37.7	212.3	31,400	45.7	220.0	29,100				150
151	26.2	195.8	33,400	36.8	210.9	31,100	45.0	219.0	28,900				151
155	21.6	187.0	32,300	33.6	205.3	30,100	42.3	214.8	27,900				155
158	16.8	177.5	31,400	30.8	200.4	29,300	40.1	211.3	27,200	47.5	216.8	25,200	158
160	13.7	171.2	30,900	29.0	197.1	28,800	38.6	209.0	26,800	46.2	214.9	24,800	160
163	4.7	152.7	30,100	25.7	191.0	28,200	36.2	204.9	26,100	44.2	211.9	24,200	163
165				23.6	186.9	27,700	34.6	202.2	25,700	42.8	209.8	23,800	165
170				16.6	173.2	26,600	30.1	194.3	24,700	39.2	204.1	22,800	170
174				7.4	154.4	25,700	26.0	186.7	23,900	36.0	198.8	22,100	174
175							25.0	184.8	23,700	35.2	197.5	21,900	175
180							18.5	172.2	22,800	30.8	189.8	21,100	180
185							8.1	151.1	21,900	25.8	180.5	20,300	185
186							3.4	141.1	21,700	24.6	178.1	20,100	186
190										19.6	168.5	19,500	190
196										7.2	143.4	18,600	196

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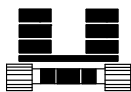
219,600 lb
+
80,000 lb



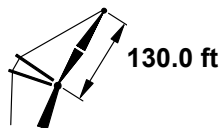
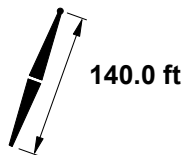
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.8	274.1	49,900 c						44	
45	75.4	273.8	49,700 b						45	
50	73.1	272.4	48,700 b						50	
55	70.8	270.8	47,800 b						55	
60	68.4	268.9	46,900						60	
65	66.0	266.8	46,000						65	
67	65.0	265.8	45,700	70.8	269.7	48,500			67	
70	63.6	264.4	45,200	69.4	268.6	48,100			70	
75	61.1	261.8	44,400	67.0	266.6	47,400			75	
80	58.5	258.9	43,300	64.6	264.3	46,800			80	
81	58.0	258.3	43,000	64.1	263.8	46,700	67.6	265.9	47,300	81
85	55.9	255.7	41,700	62.2	261.8	46,200	65.7	264.2	47,000	85
90	53.2	252.1	40,200	59.6	259.0	44,700	63.3	261.8	46,500	90
95	50.4	248.2	38,700	57.1	256.0	43,100	60.8	259.1	45,500	95
100	47.5	243.8	37,200	54.4	252.6	41,500	58.2	256.2	43,900	100
103	45.6	240.9	36,400	52.7	250.3	40,600	56.6	254.2	43,000	103
105	44.4	239.0	35,900	51.6	248.8	40,000	55.6	252.9	42,400	105
110	41.2	233.6	34,600	48.8	244.6	38,500	52.9	249.3	40,800	110
115	37.7	227.5	32,800	45.8	240.0	37,100	50.1	245.3	39,300	115
120	33.9	220.6	30,900	42.6	234.8	35,700	47.1	240.9	37,900	120
124	30.6	214.1	29,500	39.9	230.2	34,700	44.6	237.0	36,800	124
125	29.8	212.5	29,200	39.2	229.1	34,500	44.0	236.0	36,500	125
130	25.0	202.9	27,600	35.6	222.5	33,300	40.8	230.5	35,200	130
135	19.1	190.5	26,300	31.6	215.0	32,200	37.3	224.4	34,000	135
140	10.4	171.5	25,200	27.1	206.1	31,100	33.5	217.3	32,900	140
142	2.6	153.9	22,200	25.0	201.7	30,800	31.8	214.0	32,400	142
145				21.8	195.1	30,200	29.2	209.1	31,800	145
150				14.8	180.0	29,600	24.3	199.2	30,800	150
154				3.9	155.6	25,000	19.4	188.9	30,200	154
155							18.2	186.3	30,000	155
160							8.8	165.5	29,000	160
161							5.2	157.4	27,000	161
164										164
165										165
170										170
173										173
175										175
180										180
184										184
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200										200
206										206

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ASME B30.5



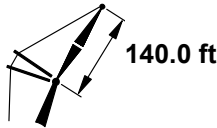
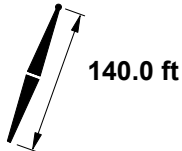
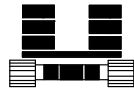
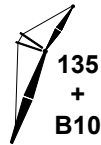
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44													44
45													45
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
103	62.7	258.4	45,200										103
105	61.7	257.3	45,100										105
110	59.2	254.5	44,000										110
115	56.6	251.3	42,700										115
120	53.9	247.9	41,300										120
124	51.7	244.8	40,100	57.9	249.1	39,700							124
125	51.1	244.0	39,900	57.4	248.5	39,300							125
130	48.2	239.8	38,500	54.8	245.2	37,400							130
135	45.2	235.1	37,100	52.0	241.4	35,700							135
140	42.0	229.8	35,800	49.2	237.3	34,100							140
142	40.6	227.5	35,400	48.0	235.5	33,500							142
145	38.6	223.9	34,700	46.2	232.8	32,600	52.7	237.5	30,200				145
150	34.9	217.3	33,500	43.1	227.7	31,200	49.9	233.5	28,900				150
154	31.7	211.1	32,400	40.4	223.2	30,100	47.5	230.0	27,900				154
155	30.9	209.5	32,100	39.7	222.0	29,900	46.9	229.1	27,700				155
160	26.3	200.3	30,800	36.1	215.6	28,700	43.8	224.1	26,500				160
161	25.1	198.0	30,500	35.3	214.1	28,400	43.2	223.0	26,300				161
164	21.8	191.1	29,800	33.0	209.7	27,700	41.2	219.7	25,700	48.0	224.9	23,700	164
165	20.7	188.8	29,600	32.2	208.3	27,500	40.5	218.6	25,500	47.4	223.9	23,500	165
170	13.2	172.4	28,400	27.8	199.6	26,400	37.0	212.4	24,500	44.3	219.1	22,600	170
173	4.5	153.1	27,700	24.7	193.2	25,800	34.7	208.1	23,900	42.3	215.8	22,100	173
175				22.6	189.0	25,400	33.2	205.3	23,500	41.0	213.7	21,700	175
180				15.9	174.7	24,400	28.9	197.0	22,600	37.6	207.6	20,900	180
184				7.1	155.0	23,700	24.9	188.9	22,000	34.5	202.0	20,200	184
185							24.0	186.9	21,800	33.8	200.6	20,100	185
190							17.8	173.8	21,000	29.6	192.5	19,300	190
196							3.2	141.4	20,000	23.1	179.1	18,500	196
200										18.8	170.2	17,900	200
206										6.9	144.0	17,100	206

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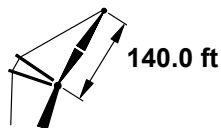
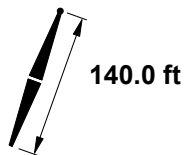
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
46	76.0	283.9	46,500 b						46	
50	74.3	282.8	45,800						50	
55	72.2	281.3	44,900						55	
60	70.0	279.6	44,100						60	
65	67.8	277.7	43,300						65	
70	65.6	275.5	42,600	71.0	279.2	44,900			70	
75	63.3	273.1	41,300	68.8	277.4	44,400			75	
80	61.0	270.5	39,700	66.6	275.3	43,800			80	
84	59.1	268.1	38,400	64.8	273.5	42,700	68.0	275.5	43,700	84
85	58.6	267.6	38,100	64.3	273.0	42,400	67.6	275.1	43,700	85
90	56.2	264.4	36,600	62.0	270.5	40,900	65.3	272.9	43,000	90
95	53.7	260.9	35,100	59.7	267.7	39,300	63.0	270.5	41,400	95
100	51.1	257.0	33,700	57.3	264.6	37,800	60.7	267.8	40,000	100
105	48.5	252.8	32,400	54.8	261.3	36,300	58.3	264.8	38,500	105
107	47.3	250.9	31,900	53.8	259.8	35,700	57.4	263.5	37,900	107
110	45.7	248.1	31,100	52.3	257.6	34,900	55.9	261.6	37,000	110
115	42.7	243.0	29,900	49.6	253.5	33,400	53.4	258.1	35,700	115
120	39.6	237.3	28,600	46.9	249.0	32,100	50.8	254.2	34,200	120
125	36.3	230.9	27,600	44.0	244.1	30,900	48.1	249.9	32,900	125
130	32.7	223.6	26,600	41.0	238.7	29,600	45.3	245.2	31,600	130
135	28.6	215.1	25,600	37.7	232.6	28,500	42.4	240.0	30,300	135
140	24.0	205.0	24,400	34.3	225.7	27,400	39.2	234.2	29,100	140
145	18.4	192.1	23,200	30.4	217.8	26,400	35.9	227.7	28,000	145
150	10.0	172.4	22,400	26.1	208.5	25,400	32.2	220.3	27,000	150
151	6.3	163.3	21,200	25.1	206.2	25,300	31.4	218.5	26,800	151
152	2.5	154.2	20,100	24.1	203.9	25,100	30.6	216.8	26,600	152
155				21.0	197.0	24,600	28.1	211.7	26,000	155
160				14.2	181.3	23,900	23.4	201.3	25,200	160
164				3.7	156.0	22,600	18.7	190.6	24,500	164
165							17.6	187.9	24,300	165
170							8.5	166.3	23,800	170
171							5.0	157.8	23,800	171
175										175
180										180
183										183
185										185
190										190
194										194
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216										216

MLC250 S-3

ASME B30.5



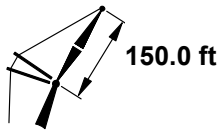
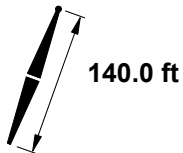
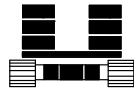
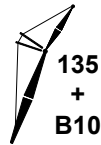
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
60													60
65													65
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
105													105
107	63.0	267.6	40,600										107
110	61.6	266.0	39,900										110
115	59.2	263.1	38,600										115
120	56.8	260.0	37,300										120
125	54.4	256.6	36,000										125
130	51.8	252.8	34,700	57.6	257.2	36,900							130
135	49.1	248.7	33,400	55.2	253.9	35,300							135
140	46.4	244.2	32,200	52.6	250.2	33,700							140
145	43.5	239.2	30,900	50.0	246.2	32,200							145
150	40.4	233.6	29,800	47.3	241.8	30,800							150
151	39.8	232.3	29,500	46.7	240.8	30,500	52.7	245.5	28,300				151
152	39.1	231.1	29,300	46.1	239.9	30,300	52.2	244.7	28,000				152
155	37.2	227.4	28,600	44.4	237.0	29,500	50.6	242.4	27,300				155
160	33.6	220.3	27,600	41.4	231.6	28,300	47.9	238.1	26,200				160
164	30.5	213.8	26,800	38.9	226.8	27,400	45.7	234.3	25,300				164
165	29.7	212.2	26,600	38.2	225.6	27,200	45.1	233.3	25,100				165
170	25.3	202.6	25,600	34.8	218.8	26,100	42.2	228.1	24,100				170
171	24.2	200.2	25,500	34.0	217.3	25,900	41.5	226.9	23,900	47.8	232.0	22,000	171
175	20.0	190.6	24,800	31.0	211.1	25,100	39.0	222.2	23,200	45.5	228.2	21,300	175
180	12.7	173.5	24,200	26.8	202.0	24,200	35.6	215.7	22,300	42.6	223.1	20,500	180
183	4.4	153.5	24,000	23.8	195.4	23,600	33.4	211.2	21,800	40.7	219.6	20,000	183
185				21.8	190.9	23,200	32.0	208.2	21,500	39.5	217.3	19,700	185
190				15.4	176.0	22,400	27.8	199.5	20,700	36.2	210.9	19,000	190
194				6.8	155.7	21,700	24.0	191.1	20,000	33.2	205.0	18,400	194
195							23.1	189.0	19,900	32.5	203.6	18,300	195
200							17.1	175.3	19,200	28.5	195.1	17,600	200
205							7.5	152.5	18,400	23.8	184.9	16,900	205
206							3.1	141.7	18,300	22.7	182.3	16,800	206
210										18.1	171.9	16,300	210
216										6.7	144.6	15,600	216

MLC250 S-3

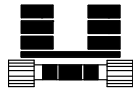
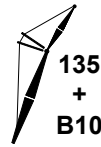
ASME B30.5



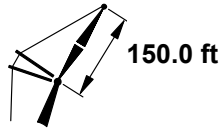
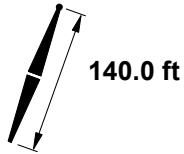
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49	75.8	293.4	43,100 b							49
50	75.4	293.2	42,900							50
55	73.4	291.8	42,100							55
60	71.4	290.2	41,400							60
65	69.4	288.4	40,700							65
70	67.3	286.4	39,600							70
74	65.6	284.7	38,300	70.7	288.4	41,500				74
75	65.2	284.2	38,000	70.2	288.0	41,400				75
80	63.1	281.8	36,600	68.2	286.1	40,600				80
85	60.9	279.1	35,100	66.1	284.0	39,100				85
88	59.6	277.4	34,200	64.9	282.6	38,100	67.9	284.6	40,000	88
90	58.7	276.2	33,600	64.0	281.7	37,500	67.1	283.8	39,400	90
95	56.5	273.1	32,100	61.9	279.2	36,100	65.0	281.6	38,100	95
100	54.1	269.6	30,800	59.7	276.4	34,600	62.8	279.1	36,600	100
105	51.8	265.8	29,500	57.5	273.3	33,200	60.7	276.4	35,200	105
110	49.3	261.7	28,300	55.2	270.0	31,800	58.5	273.5	33,900	110
112	48.2	259.9	27,800	54.2	268.5	31,300	57.6	272.2	33,300	112
115	46.7	257.2	27,000	52.8	266.3	30,500	56.2	270.3	32,500	115
120	44.0	252.3	25,900	50.4	262.4	29,200	53.9	266.8	31,200	120
125	41.2	246.8	24,800	47.8	258.0	27,900	51.5	263.0	29,900	125
130	38.2	240.8	23,700	45.2	253.3	26,800	49.0	258.8	28,600	130
135	35.0	234.1	22,800	42.4	248.1	25,600	46.4	254.3	27,400	135
140	31.5	226.4	21,800	39.5	242.3	24,500	43.7	249.3	26,300	140
145	27.7	217.6	20,900	36.4	235.9	23,500	40.8	243.8	25,100	145
150	23.2	207.1	20,100	33.1	228.7	22,500	37.8	237.7	24,100	150
155	17.7	193.7	19,500	29.4	220.5	21,600	34.6	230.8	23,100	155
157	14.5	185.5	19,300	27.7	216.6	21,300	33.2	227.7	22,700	157
160	9.7	173.2	18,900	25.2	210.8	20,800	31.1	223.1	22,200	160
162	2.4	154.4	18,400	23.2	206.0	20,500	29.5	219.5	21,800	162
165				20.3	198.9	20,000	27.2	214.1	21,200	165
170				13.7	182.5	19,300	22.6	203.3	20,500	170
174				3.6	156.3	19,100	18.1	192.2	19,800	174
175							17.0	189.4	19,700	175
178							11.7	176.0	19,400	178
180							8.2	167.0	19,200	180
181							4.8	158.2	19,200	181
190										190
193										193
200										200
204										204
210										210
216										216
220										220
226										226

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ASME B30.5



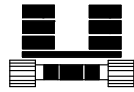
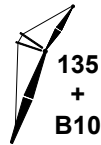
219,600 lb
+
80,000 lb



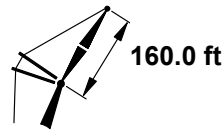
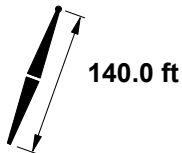
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
60													60
65													65
70													70
74													74
75													75
80													80
85													85
88													88
90													90
95													95
100													100
105													105
110													110
112	62.8	276.2	35,900										112
115	61.5	274.6	35,200										115
120	59.3	271.8	34,000										120
125	57.1	268.7	32,800										125
130	54.7	265.3	31,600										130
135	52.4	261.6	30,300	57.8	265.9	32,400							135
140	49.9	257.6	29,100	55.5	262.6	31,400							140
145	47.4	253.2	27,900	53.1	259.0	30,300							145
150	44.7	248.4	26,700	50.7	255.1	29,300							150
155	41.9	243.1	25,700	48.2	250.8	28,100							155
157	40.8	240.7	25,200	47.1	248.9	27,700	52.8	253.5	26,700				157
160	39.0	237.2	24,600	45.6	246.1	27,000	51.3	251.2	26,100				160
162	37.7	234.6	24,200	44.5	244.0	26,600	50.3	249.5	25,700				162
165	35.8	230.7	23,600	42.8	241.0	25,900	48.8	247.0	25,000				165
170	32.4	223.3	22,600	39.9	235.3	24,900	46.2	242.4	24,000				170
174	29.4	216.5	21,900	37.5	230.2	24,100	44.1	238.4	23,300				174
175	28.7	214.8	21,700	36.9	229.0	23,900	43.5	237.4	23,100				175
178	26.1	208.8	21,200	34.9	224.7	23,300	41.8	234.1	22,600	47.7	239.2	20,700	178
180	24.4	204.8	20,800	33.6	221.9	22,900	40.7	231.8	22,200	46.6	237.3	20,400	180
181	23.2	201.8	20,700	32.8	220.1	22,800	40.0	230.5	22,100	46.1	236.3	20,200	181
190	12.2	174.6	19,500	25.8	204.4	21,200	34.4	218.8	20,600	41.1	226.9	18,900	190
193	4.2	153.9	19,200	22.5	196.3	20,800	32.1	213.8	20,200	39.2	223.0	18,500	193
200				14.8	177.4	19,800	26.9	201.9	19,100	34.9	214.1	17,500	200
204				6.6	156.2	19,400	22.7	191.9	18,600	31.9	207.5	17,000	204
210							16.5	176.8	17,800	27.5	197.6	16,300	210
216							3.0	142.0	17,000	21.5	183.1	15,600	216
220										17.5	173.4	15,100	220
226										6.5	145.1	14,500	226

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ASME B30.5



219,600 lb
+
80,000 lb



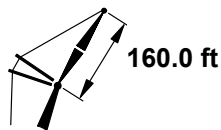
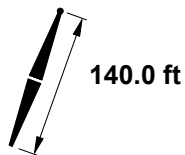
ft	88°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	75.9	303.2	39,900							51
55	74.5	302.2	39,300							55
60	72.6	300.7	38,600							60
65	70.7	299.0	37,800							65
70	68.8	297.2	36,200							70
75	66.9	295.2	34,700							75
77	66.1	294.3	34,100	70.8	297.9	37,800				77
80	64.9	292.9	33,200	69.6	296.9	37,000				80
85	62.9	290.5	31,900	67.7	294.9	35,600				85
90	60.9	287.8	30,400	65.8	292.8	34,100				90
92	60.1	286.6	29,900	65.0	291.8	33,600	67.8	293.8	35,300	92
95	58.8	284.9	29,000	63.8	290.4	32,700	66.6	292.5	34,500	95
100	56.7	281.7	27,700	61.8	287.8	31,300	64.7	290.3	33,200	100
105	54.5	278.3	26,500	59.7	285.0	30,000	62.7	287.8	31,900	105
110	52.3	274.6	25,200	57.6	282.0	28,600	60.6	285.1	30,600	110
115	50.0	270.6	24,100	55.5	278.7	27,400	58.6	282.2	29,200	115
116	49.5	269.7	23,800	55.0	278.0	27,100	58.1	281.5	29,000	116
120	47.6	266.2	22,900	53.3	275.1	26,100	56.4	279.0	27,900	120
125	45.1	261.4	21,900	51.0	271.2	24,900	54.3	275.5	26,700	125
130	42.6	256.2	20,800	48.7	267.0	23,700	52.0	271.8	25,500	130
135	39.8	250.5	19,800	46.2	262.4	22,600	49.7	267.7	24,300	135
140	37.0	244.2	18,900	43.7	257.4	21,500	47.3	263.3	23,200	140
145	33.9	237.2	18,000	41.0	251.9	20,500	44.8	258.5	22,100	145
150	30.5	229.2	17,200	38.2	245.9	19,500	42.2	253.2	21,000	150
155	26.8	220.1	16,300	35.2	239.2	18,600	39.5	247.4	20,100	155
160	22.5	209.1	15,700	32.0	231.6	17,700	36.6	241.0	19,100	160
163	19.3	200.8	15,100	29.9	226.5	17,200	34.7	236.8	18,600	163
165	17.2	195.3	14,800	28.4	223.0	16,900	33.5	233.9	18,200	165
170	9.4	174.1	13,900	24.4	213.0	16,100	30.1	225.8	17,400	170
172	2.4	154.6	13,600	22.5	208.0	15,800	28.5	222.1	17,000	172
175				19.6	200.6	15,300	26.3	216.5	16,500	175
180				13.3	183.7	14,400	21.9	205.3	15,800	180
184				3.5	156.6	13,700	17.5	193.8	15,000	184
185							16.4	190.9	14,800	185
190							7.9	167.7	13,900	190
191							4.7	158.6	13,800	191
200										200
203										203
210										210
214										214
220										220
226										226
230										230
236										236

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



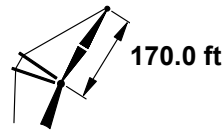
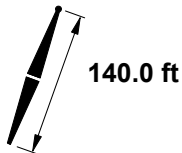
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
55													55
60													60
65													65
70													70
75													75
77													77
80													80
85													85
90													90
92													92
95													95
100													100
105													105
110													110
115													115
116	63.0	285.4	31,500										116
120	61.4	283.3	30,600										120
125	59.3	280.5	29,400										125
130	57.2	277.4	28,200										130
135	55.1	274.0	27,100										135
140	52.9	270.4	25,900	57.9	274.5	28,000							140
145	50.6	266.4	24,700	55.8	271.3	27,000							145
150	48.2	262.2	23,600	53.6	267.7	25,900							150
155	45.8	257.5	22,500	51.3	263.9	24,900							155
160	43.2	252.4	21,500	49.0	259.7	23,800							160
163	41.6	249.1	20,900	47.5	257.0	23,200	52.8	261.5	25,000				163
165	40.5	246.8	20,500	46.6	255.2	22,800	51.9	260.0	24,600				165
170	37.7	240.7	19,500	44.1	250.2	21,800	49.6	255.9	23,700				170
172	36.5	237.9	19,200	43.0	248.0	21,400	48.6	254.1	23,300				172
175	34.7	233.8	18,600	41.4	244.8	20,800	47.2	251.4	22,700				175
180	31.4	226.2	17,800	38.6	238.8	19,900	44.7	246.6	21,800				180
184	28.5	219.1	17,100	36.3	233.6	19,100	42.6	242.4	21,100	48.0	247.2	19,400	184
185	27.8	217.3	16,900	35.7	232.2	18,900	42.1	241.3	20,900	47.5	246.3	19,200	185
190	23.6	206.9	16,200	32.5	224.8	18,100	39.3	235.5	20,000	45.0	241.5	18,500	190
191	22.4	203.8	16,000	31.7	223.0	17,900	38.7	234.1	19,800	44.5	240.4	18,400	191
200	11.9	175.7	14,300	25.0	206.6	16,500	33.3	221.9	18,300	39.7	230.6	17,200	200
203	4.1	154.3	13,900	21.8	198.2	15,900	31.1	216.6	17,800	37.9	226.6	16,800	203
210				14.4	178.6	14,700	26.0	204.3	16,700	33.7	217.2	15,900	210
214				6.4	156.8	14,000	22.0	193.9	16,000	30.9	210.3	15,500	214
220							16.0	178.2	15,000	26.6	200.0	14,800	220
226							2.9	142.2	13,900	20.8	185.0	14,200	226
230										17.0	174.9	13,800	230
236										6.2	145.7	13,200	236

MLC250 S-3

ASME B30.5



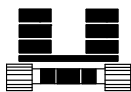
219,600 lb
+
80,000 lb



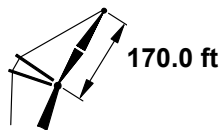
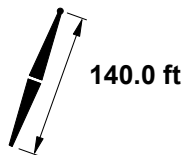
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54	75.7	312.8	36,800						54	
55	75.4	312.5	36,600						55	
60	73.7	311.1	35,900						60	
65	71.9	309.6	34,800						65	
70	70.1	307.9	33,400						70	
75	68.3	306.0	32,000						75	
80	66.5	303.9	30,500	70.9	307.5	34,000			80	
85	64.6	301.6	29,200	69.1	305.7	32,600			85	
90	62.7	299.1	27,900	67.3	303.7	31,300			90	
95	60.8	296.5	26,500	65.4	301.5	30,000			95	
96	60.4	295.9	26,300	65.0	301.0	29,700	67.7	303.0	31,400	96
100	58.9	293.6	25,300	63.6	299.1	28,700	66.3	301.3	30,400	100
105	56.9	290.4	24,100	61.7	296.5	27,400	64.4	299.0	29,100	105
110	54.9	287.0	22,900	59.7	293.7	26,100	62.5	296.5	27,900	110
115	52.8	283.4	21,800	57.8	290.6	24,900	60.6	293.8	26,700	115
120	50.6	279.4	20,700	55.7	287.4	23,600	58.6	290.8	25,400	120
121	50.2	278.6	20,500	55.3	286.7	23,400	58.2	290.2	25,200	121
125	48.4	275.2	19,600	53.7	283.8	22,500	56.6	287.7	24,200	125
130	46.1	270.5	18,600	51.6	280.0	21,400	54.6	284.2	23,100	130
135	43.7	265.5	17,700	49.4	275.9	20,300	52.5	280.6	21,900	135
140	41.2	260.1	16,800	47.1	271.4	19,200	50.4	276.6	20,800	140
145	38.6	254.1	15,900	44.8	266.6	18,300	48.1	272.3	19,800	145
150	35.8	247.5	15,000	42.3	261.3	17,300	45.8	267.6	18,800	150
155	32.8	240.2	14,200	39.8	255.6	16,400	43.4	262.5	17,800	155
160	29.6	231.9	13,300	37.0	249.3	15,500	40.9	257.0	16,900	160
165	26.0	222.4	12,400	34.1	242.3	14,700	38.3	251.0	16,000	165
169	22.6	213.4	11,700	31.6	236.0	14,000	36.0	245.6	15,300	169
170	21.8	211.1	11,600	31.0	234.4	13,800	35.5	244.3	15,200	170
175	16.7	196.8	10,700	27.6	225.5	12,900	32.4	236.9	14,300	175
180	9.1	174.9	9,900	23.7	215.1	12,000	29.2	228.5	13,300	180
182	2.3	154.8	9,800	21.5	209.0	11,700	27.6	224.2	13,000	182
190				12.9	184.8	10,400	21.2	207.2	11,600	190
191				10.5	177.8	10,200	19.9	203.3	11,400	191
194				3.4	156.9	9,800	15.8	191.7	10,900	194
200							7.7	168.4	10,000	200
201							4.5	159.0	9,900	201
210										210
213										213
220										220
224										224
230										230
236										236
240										240
246										246

MLC250 S-3

ASME B30.5



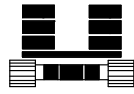
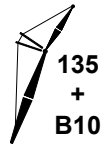
219,600 lb
+
80,000 lb



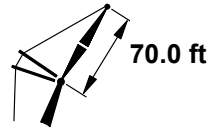
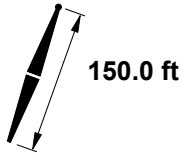
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
96													96
100													100
105													105
110													110
115													115
120													120
121	62.8	294.1	27,600										121
125	61.3	292.0	26,700										125
130	59.4	289.1	25,600										130
135	57.4	286.1	24,500										135
140	55.4	282.7	23,400										140
145	53.3	279.1	22,300	58.0	283.2	24,300							145
150	51.2	275.3	21,300	56.0	280.0	23,400							150
155	49.0	271.1	20,200	54.0	276.4	22,400							155
160	46.7	266.6	19,200	51.9	272.7	21,400							160
165	44.3	261.6	18,200	49.7	268.6	20,400							165
169	42.4	257.4	17,500	47.9	265.1	19,600	52.8	269.5	21,300				169
170	41.9	256.3	17,300	47.4	264.2	19,400	52.4	268.8	21,200				170
175	39.3	250.5	16,400	45.1	259.4	18,500	50.2	264.7	20,400				175
180	36.5	244.0	15,600	42.7	254.2	17,600	48.0	260.4	19,500				180
182	35.3	241.0	15,200	41.6	251.8	17,200	47.0	258.5	19,100				182
190	30.4	228.9	13,800	37.4	242.3	15,900	43.3	250.6	17,700				190
191	29.7	226.9	13,600	36.8	240.8	15,700	42.7	249.5	17,600	47.9	254.4	18,100	191
194	27.4	221.0	13,000	35.0	236.5	15,200	41.2	246.0	17,100	46.5	251.4	17,700	194
200	22.9	209.0	12,000	31.5	227.7	14,100	38.1	239.0	16,100	43.6	245.6	16,900	200
201	21.8	205.8	11,800	30.7	225.8	13,900	37.5	237.6	15,900	43.1	244.5	16,800	201
210	11.5	176.7	10,300	24.3	208.8	12,300	32.2	224.8	14,400	38.5	234.1	15,700	210
213	4.0	154.6	10,000	21.2	200.1	11,800	30.1	219.3	13,900	36.8	229.9	15,400	213
220				13.9	179.9	10,600	25.2	206.6	12,500	32.7	220.2	14,600	220
224				6.2	157.4	10,100	21.3	195.8	11,900	29.9	213.0	13,800	224
230							15.5	179.6	10,900	25.8	202.3	12,700	230
236							2.8	142.5	10,000	20.2	186.8	11,700	236
240										16.4	176.4	11,000	240
246										6.1	146.2	10,100	246

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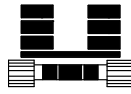
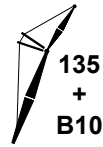
219,600 lb
+
80,000 lb



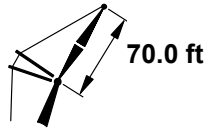
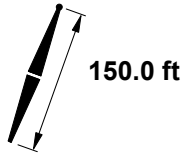
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	71.2	224.3	97,700 d						35	
40	66.9	222.4	97,400 d						40	
45	62.3	220.0	97,000 c						45	
49	58.5	217.7	96,700 c	70.4	222.7	101,000 d			49	
50	57.6	217.1	96,600 c	69.5	222.4	101,000 c			50	
55	52.6	213.6	93,000 b	65.1	220.3	101,000 c			55	
60	47.3	209.4	87,400 b	60.5	217.7	101,000 b	67.6	220.2	101,900 c	60
65	41.4	204.3	79,800 b	55.7	214.6	97,500 b	63.0	217.9	100,600 c	65
70	34.8	197.9	73,000 b	50.5	210.8	91,800 b	58.3	215.1	92,700 b	70
75	26.7	189.5	67,100	45.0	206.3	86,600	53.4	211.7	85,100 b	75
78	19.9	181.7	58,800	41.3	203.0	82,200	50.2	209.3	81,300 b	78
80	15.3	176.5	53,300	38.9	200.7	79,300	48.1	207.6	78,700	80
82	6.7	166.2	45,700	36.1	197.9	76,300	45.8	205.6	76,400	82
85				31.8	193.7	71,900	42.4	202.7	73,100	85
90				22.9	184.0	65,700	35.9	196.5	68,200	90
95				7.0	165.3	49,200	28.1	188.5	63,800	95
96							26.0	186.1	63,000	96
100							17.6	176.6	59,800	100
103							5.0	161.6	49,600	103
105										105
110										110
113										113
115										115
120										120
125										125
128										128
129										129
130										130
135										135
140										140
145										145
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151										151

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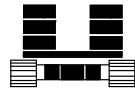
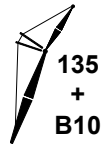
219,600 lb
+
80,000 lb



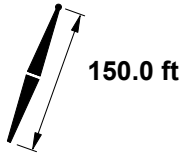
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
49													49
50													50
55													55
60													60
65													65
70													70
75													75
78	62.8	214.7	76,100 c										78
80	60.9	213.7	73,800 b										80
82	59.0	212.5	71,700 b										82
85	56.1	210.6	68,500 b										85
90	51.1	206.9	63,900 b										90
95	45.6	202.5	59,800										95
96	44.4	201.4	59,100	57.5	207.4	55,200 b							96
100	39.5	197.0	56,200	53.6	204.7	52,500 b							100
103	35.3	192.9	54,200	50.4	202.2	50,700 b							103
105	32.6	190.2	52,900	48.3	200.6	49,400							105
110	23.9	180.8	49,900	42.5	195.7	46,700							110
113	15.4	170.9	48,300	38.7	192.0	45,200	52.6	198.8	42,000 b				113
115	9.7	164.3	47,100	36.1	189.6	44,200	50.5	197.2	41,100 b				115
120				28.4	181.7	41,900	44.9	192.6	39,000				120
125				18.0	170.0	39,700	38.8	187.0	37,000				125
128				6.3	156.0	38,500	34.5	182.8	36,000				128
129							33.1	181.4	35,600	47.8	188.8	33,000	129
130							31.7	179.9	35,200	46.7	187.9	32,700	130
135							22.7	170.2	33,500	40.7	182.6	31,100	135
140							6.4	150.9	31,900	34.0	176.1	29,700	140
145										25.8	167.4	28,300	145
150										13.6	153.4	27,000	150
151										9.4	148.5	26,800	151

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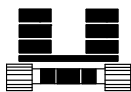
219,600 lb
+
80,000 lb



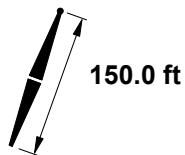
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	75.9	235.6	90,300 d							32
35	73.7	234.8	90,100 d							35
40	69.9	233.1	89,700 d							40
45	66.0	231.1	89,300 c							45
50	62.0	228.7	88,700 c							50
52	60.4	227.5	87,200 c	70.7	232.3	92,700 c				52
55	57.9	225.8	85,100 b	68.4	231.2	92,700 c				55
60	53.6	222.4	81,800 b	64.5	229.0	92,700 b				60
64	49.9	219.2	77,600 b	61.2	226.9	90,000 b	67.4	229.4	93,300 c	64
65	49.0	218.4	76,500 b	60.4	226.4	89,300 b	66.6	229.0	93,300 c	65
70	44.0	213.6	70,300	56.2	223.3	85,900 b	62.7	226.6	91,600 b	70
75	38.6	207.9	64,600	51.8	219.7	82,900	58.6	223.8	84,800 b	75
80	32.4	200.9	59,500	47.1	215.4	79,200	54.3	220.4	78,400	80
83	28.0	195.5	56,800	44.0	212.3	74,800	51.5	218.1	75,000	83
85	25.0	191.8	55,000	42.0	210.3	71,800	49.7	216.5	72,800	85
90	14.3	177.8	46,700	36.3	204.1	65,500	44.8	211.9	67,900	90
92	6.3	166.8	40,400	33.7	201.1	63,400	42.7	209.7	66,200	92
95				29.7	196.4	60,200	39.5	206.4	63,600	95
100				21.4	186.0	55,600	33.5	199.6	59,700	100
101				18.4	182.0	53,200	32.0	197.9	59,000	101
105				6.5	165.8	43,600	26.3	190.9	56,200	105
110							16.4	178.1	53,000	110
113							4.7	162.0	44,100	113
115										115
119										119
120										120
125										125
130										130
135										135
136										136
138										138
140										140
145										145
150										150
155										155
160										160
161										161

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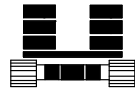
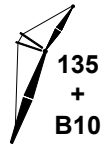
219,600 lb
+
80,000 lb



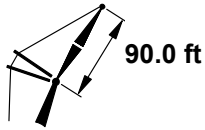
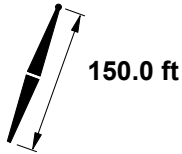
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
35													35
40													40
45													45
50													50
52													52
55													55
60													60
64													64
65													65
70													70
75													75
80													80
83	62.5	223.4	70,100 b										83
85	60.8	222.3	68,100 b										85
90	56.6	219.3	63,500 b										90
92	54.9	217.9	61,900 b										92
95	52.2	215.7	59,500										95
100	47.5	211.5	55,900										100
101	46.5	210.5	55,200	57.8	216.1	51,400 b							101
105	42.5	206.5	52,600	54.4	213.4	49,000							105
110	36.9	200.5	49,700	49.9	209.5	46,300							110
113	33.0	196.0	48,100	46.9	206.8	44,800							113
115	30.4	193.0	47,000	45.0	204.9	43,800							115
119	23.9	184.9	45,100	40.7	200.5	42,000	52.6	206.8	39,000				119
120	22.3	182.9	44,600	39.7	199.4	41,600	51.7	206.0	38,600				120
125	9.1	165.1	42,300	33.7	192.7	39,500	47.0	201.7	36,700				125
130				26.5	184.1	37,600	41.9	196.6	34,900				130
135				16.8	171.5	35,800	36.2	190.4	33,200				135
136				13.2	166.5	35,400	34.9	188.9	32,900	47.5	195.9	30,400	136
138				5.9	156.5	34,700	32.2	185.8	32,300	45.5	194.0	29,900	138
140							29.6	182.7	31,700	43.5	192.0	29,300	140
145							21.2	172.2	30,300	38.0	186.2	28,000	145
150							6.0	151.5	28,800	31.7	179.0	26,800	150
155										24.1	169.6	25,600	155
160										12.7	154.5	24,500	160
161										8.8	149.2	24,200	161

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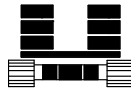
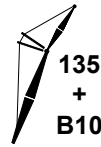
219,600 lb
+
80,000 lb



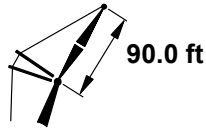
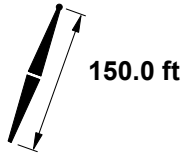
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.5	245.2	81,900 d							35
40	72.2	243.7	81,400 d							40
45	68.8	241.9	80,900 c							45
50	65.4	239.8	77,800 c							50
55	61.8	237.3	74,700 b	70.9	241.8	83,500 c				55
60	58.1	234.5	71,800 b	67.5	239.9	81,200 b				60
65	54.3	231.1	69,100 b	64.0	237.7	78,200 b				65
67	52.7	229.6	68,100 b	62.5	236.6	77,000 b	68.0	239.0	81,400 b	67
70	50.3	227.2	66,600	60.4	235.0	75,200 b	65.9	237.7	79,800 b	70
75	46.0	222.8	62,600	56.6	232.0	72,500	62.4	235.3	77,100 b	75
80	41.4	217.5	57,900	52.7	228.4	69,900	58.7	232.4	74,500	80
85	36.3	211.3	53,500	48.6	224.3	67,500	54.9	229.2	71,900	85
87	34.0	208.3	51,900	46.9	222.4	66,600	53.3	227.6	70,200	87
90	30.5	203.7	49,600	44.2	219.6	65,200	50.9	225.4	67,700	90
95	23.5	193.9	46,100	39.5	214.0	60,800	46.7	221.0	63,400	95
100	13.5	179.0	41,000	34.1	207.3	56,100	42.1	215.9	59,600	100
102	5.9	167.3	35,700	31.7	204.0	54,500	40.1	213.5	58,200	102
105				28.0	199.0	52,000	37.2	209.9	56,100	105
107				24.8	194.5	50,600	34.9	206.9	54,900	107
110				20.2	187.8	48,400	31.5	202.5	53,000	110
115				6.1	166.4	38,600	24.7	193.2	50,200	115
120							15.5	179.5	47,000	120
123							4.4	162.4	39,100	123
125										125
130										130
135										135
140										140
143										143
145										145
148										148
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171										171

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ASME B30.5



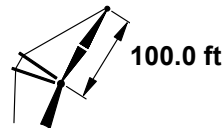
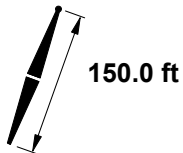
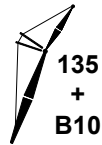
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
55													55
60													60
65													65
67													67
70													70
75													75
80													80
85													85
87	62.9	232.6	66,000 b										87
90	60.7	231.0	63,300 b										90
95	57.0	228.0	59,300										95
100	53.1	224.5	55,700										100
102	51.5	222.9	54,400										102
105	49.0	220.5	52,400										105
107	47.3	218.6	51,300	57.3	224.1	47,700							107
110	44.7	215.8	49,500	55.0	222.1	46,100							110
115	39.9	210.3	46,900	51.1	218.4	43,600							115
120	34.7	203.7	44,500	46.8	214.0	41,400							120
123	31.0	198.8	43,200	44.1	211.0	40,200							123
125	28.6	195.6	42,300	42.3	208.9	39,300	52.7	214.8	36,400				125
130	21.0	184.8	40,200	37.3	202.9	37,400	48.6	210.6	34,700				130
135	8.5	165.8	38,300	31.7	195.6	35,700	44.2	205.9	33,100				135
140				25.0	186.4	34,100	39.4	200.3	31,500				140
143				19.5	178.3	33,100	36.2	196.3	30,700	47.3	203.1	28,300	143
145				15.8	172.9	32,500	34.1	193.6	30,100	45.5	201.2	27,800	145
148				5.5	157.0	31,600	30.3	188.6	29,400	42.7	198.0	27,100	148
150							27.9	185.2	28,800	40.9	195.9	26,600	150
155							20.0	174.0	27,600	35.7	189.5	25,500	155
160							5.6	152.0	26,300	29.9	181.8	24,400	160
165										22.7	171.6	23,400	165
170										11.9	155.6	22,400	170
171										8.3	150.0	22,200	171

MLC250 S-3

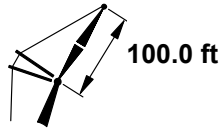
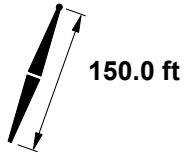
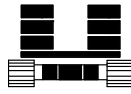
ASME B30.5



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.8	255.0	75,200 d							37
40	74.0	254.2	74,900 d							40
45	71.0	252.6	74,400 c							45
50	68.0	250.7	72,700 c							50
55	64.8	248.5	69,600 b							55
59	62.3	246.5	67,400 b	70.4	251.0	76,100 b				59
60	61.6	246.0	66,800 b	69.8	250.7	75,500 b				60
65	58.3	243.1	64,100 b	66.7	248.7	72,600 b				65
70	54.9	239.8	61,500	63.6	246.4	69,800				70
71	54.2	239.1	61,000	62.9	245.8	69,300	67.8	248.1	73,400 b	71
75	51.3	236.1	59,200	60.3	243.7	67,100	65.3	246.4	71,300 b	75
80	47.5	231.8	55,900	57.0	240.6	64,500	62.1	243.9	68,800	80
85	43.5	226.9	51,900	53.5	237.2	62,000	58.8	241.1	66,300	85
90	39.2	221.2	48,200	49.8	233.2	59,800	55.4	237.9	63,900	90
92	37.3	218.5	46,800	48.3	231.4	58,900	54.0	236.4	62,900	92
95	34.4	214.5	44,800	46.0	228.7	57,600	51.9	234.2	61,500	95
100	28.9	206.4	41,700	41.9	223.5	55,600	48.1	230.0	59,300	100
105	22.3	196.0	39,000	37.4	217.5	51,800	44.2	225.2	55,900	105
110	12.8	180.2	36,600	32.3	210.3	48,200	39.9	219.6	52,800	110
112	5.6	167.8	31,900	30.0	206.7	46,900	38.0	217.0	51,600	112
115				26.5	201.4	45,000	35.2	213.1	50,000	115
120				19.1	189.5	42,100	29.9	205.3	46,700	120
125				5.8	166.9	34,600	23.5	195.3	43,700	125
130							14.7	180.9	41,000	130
131							11.2	174.8	39,000	131
133							4.2	162.8	35,200	133
135										135
140										140
145										145
149										149
150										150
155										155
158										158
160										160
165										165
170										170
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180										180
181										181

MLC250 S-3

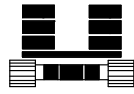
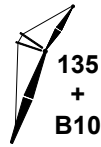
ASME B30.5



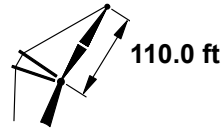
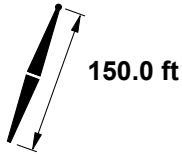
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
40													40
45													45
50													50
55													55
59													59
60													60
65													65
70													70
71													71
75													75
80													80
85													85
90													90
92	62.6	241.3	61,200										92
95	60.7	239.7	58,900										95
100	57.3	236.7	55,300										100
105	53.8	233.2	52,100										105
110	50.2	229.3	49,200										110
112	48.7	227.5	48,100	57.6	232.8	44,700							112
115	46.4	224.9	46,600	55.5	230.8	43,200							115
120	42.3	219.8	44,200	52.0	227.2	41,000							120
125	37.8	213.8	42,000	48.3	223.0	39,000							125
130	32.9	206.7	40,000	44.3	218.2	37,100							130
131	31.7	205.0	39,600	43.4	217.1	36,700	52.7	222.8	33,900				131
133	29.4	201.5	38,800	41.7	214.9	36,000	51.3	221.1	33,300				133
135	27.1	198.1	38,100	40.0	212.7	35,400	49.8	219.5	32,600				135
140	19.9	186.6	36,400	35.3	206.2	33,700	45.9	215.0	31,200				140
145	8.1	166.6	34,700	30.0	198.4	32,300	41.8	209.8	29,800				145
149				24.9	190.5	31,100	38.2	205.0	28,700	47.9	211.2	26,400	149
150				23.7	188.5	30,800	37.3	203.8	28,500	47.1	210.2	26,200	150
155				15.0	174.3	29,500	32.3	196.6	27,300	43.1	205.3	25,100	155
158				5.2	157.5	28,700	28.7	191.2	26,600	40.4	201.8	24,400	158
160							26.4	187.7	26,100	38.7	199.5	24,000	160
165							19.0	175.7	25,000	33.9	192.7	23,000	165
170							5.3	152.5	23,900	28.3	184.4	22,100	170
175										21.5	173.6	21,200	175
180										11.3	156.6	20,300	180
181										7.9	150.7	20,100	181

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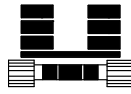
219,600 lb
+
80,000 lb



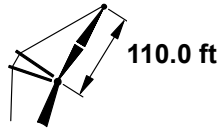
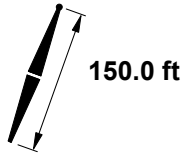
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	75.5	264.5	69,300 c							40
45	72.8	263.1	68,800 c							45
50	70.1	261.4	67,600 b							50
55	67.3	259.5	65,200 b							55
60	64.4	257.2	62,900							60
62	63.2	256.2	62,100	70.6	260.6	68,800 b				62
65	61.5	254.7	60,800	69.0	259.5	67,500 b				65
70	58.5	251.8	58,800	66.2	257.4	65,400				70
75	55.4	248.5	56,700	63.3	255.0	63,400	67.7	257.3	66,200 b	75
80	52.1	244.9	53,800	60.3	252.4	61,400	64.9	255.1	64,400	80
85	48.8	240.7	50,200	57.3	249.3	59,400	61.9	252.6	62,600	85
90	45.2	236.1	46,900	54.1	245.9	57,300	59.0	249.8	60,700	90
95	41.4	230.8	43,800	50.8	242.1	55,300	55.9	246.6	58,800	95
96	40.6	229.5	43,200	50.1	241.2	54,900	55.2	245.8	58,400	96
100	37.3	224.7	40,900	47.4	237.7	53,300	52.7	243.0	56,800	100
105	32.8	217.5	38,300	43.7	232.8	51,500	49.3	238.9	54,800	105
110	27.6	208.9	35,800	39.8	227.2	49,400	45.8	234.3	52,800	110
115	21.3	197.9	33,800	35.6	220.8	46,200	42.0	229.1	50,000	115
117	17.6	191.2	33,200	33.7	217.7	45,000	40.4	226.7	48,900	117
120	12.2	181.3	32,300	30.8	213.1	43,300	38.0	223.2	47,400	120
122	5.4	168.3	29,200	28.6	209.4	42,300	36.2	220.4	46,400	122
125				25.3	203.7	40,700	33.5	216.2	44,800	125
130				18.2	191.2	38,200	28.4	207.9	42,100	130
135				5.5	167.4	31,900	22.4	197.3	39,600	135
137							19.0	191.2	38,600	137
140							14.0	182.1	37,200	140
143							4.0	163.1	32,500	143
145										145
150										150
155										155
156										156
160										160
165										165
168										168
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175										175
180										180
185										185
190										190
191										191

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ASME B30.5



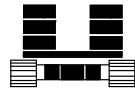
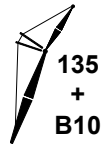
219,600 lb
+
80,000 lb



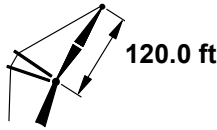
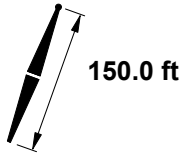
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
60													60
62													62
65													65
70													70
75													75
80													80
85													85
90													90
95													95
96	63.0	250.5	58,100										96
100	60.6	248.3	55,200										100
105	57.6	245.3	52,000										105
110	54.4	242.0	49,200										110
115	51.2	238.2	46,500										115
117	49.8	236.4	45,600	57.8	241.5	42,300							117
120	47.7	233.9	44,200	56.0	239.5	41,000							120
122	46.3	231.9	43,300	54.7	238.1	40,100							122
125	44.1	229.0	42,000	52.8	235.9	38,900							125
130	40.2	223.5	40,000	49.4	231.9	37,100							130
135	36.0	217.1	38,100	45.9	227.3	35,300							135
137	34.1	214.1	37,500	44.4	225.3	34,700	52.8	230.8	32,000				137
140	31.3	209.6	36,400	42.1	222.2	33,800	50.8	228.4	31,100				140
143	28.0	204.1	35,500	39.7	218.6	32,900	48.7	225.8	30,300				143
145	25.8	200.4	34,800	38.1	216.2	32,300	47.3	224.1	29,800				145
150	19.0	188.3	33,300	33.6	209.3	30,900	43.7	219.1	28,500				150
155	7.7	167.3	31,900	28.6	201.0	29,600	39.8	213.5	27,300				155
156				27.4	198.9	29,400	38.9	212.2	27,100	47.7	218.3	24,800	156
160				22.6	190.6	28,400	35.5	207.0	26,200	44.8	214.5	24,000	160
165				14.3	175.6	27,200	30.7	199.4	25,100	41.0	209.1	23,000	165
168				5.0	157.9	26,500	27.4	193.7	24,500	38.5	205.4	22,500	168
170							25.2	189.9	24,100	36.8	202.9	22,100	170
175							18.1	177.3	23,200	32.2	195.6	21,200	175
180							5.1	152.9	22,200	27.0	186.8	20,400	180
185										20.5	175.4	19,600	185
190										10.8	157.6	18,800	190
191										7.5	151.4	18,700	191

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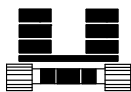
219,600 lb
+
80,000 lb



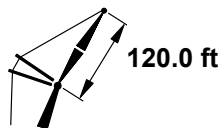
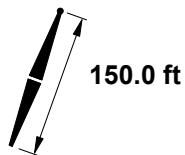
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
42	75.8	274.3	52,700 c							42
45	74.3	273.5	52,100 c							45
50	71.8	272.0	51,000 b							50
55	69.3	270.2	50,000 b							55
60	66.7	268.2	49,000							60
65	64.1	265.9	48,000	70.8	270.1	51,400 b				65
70	61.4	263.3	47,100	68.2	268.2	50,800				70
75	58.6	260.4	46,200	65.7	266.1	50,000				75
79	56.3	257.9	45,600	63.5	264.2	49,400	67.6	266.5	50,300	79
80	55.8	257.2	45,400	63.0	263.7	49,300	67.1	266.0	50,200	80
85	52.8	253.6	44,600	60.3	261.0	48,600	64.5	263.8	49,700	85
90	49.8	249.6	43,600	57.5	258.0	47,900	61.8	261.3	49,200	90
95	46.6	245.1	41,800	54.6	254.6	47,100	59.0	258.4	48,600	95
100	43.2	240.1	39,300	51.6	250.9	45,300	56.2	255.2	48,100	100
101	42.4	239.0	38,800	51.0	250.0	45,000	55.6	254.5	47,800	101
105	39.6	234.4	37,000	48.5	246.7	43,700	53.3	251.7	46,500	105
110	35.7	227.9	34,700	45.3	242.0	42,100	50.3	247.8	44,800	110
115	31.3	220.4	32,700	41.8	236.7	40,700	47.1	243.4	43,200	115
120	26.4	211.3	30,900	38.1	230.8	39,200	43.7	238.4	41,700	120
122	24.0	206.7	30,200	36.4	228.0	38,700	42.3	236.2	41,100	122
125	20.3	199.7	29,200	34.0	223.9	38,000	40.1	232.9	40,300	125
130	11.7	182.3	28,000	29.5	215.8	36,800	36.3	226.5	38,900	130
132	5.2	168.8	25,900	27.3	211.8	36,400	34.6	223.6	38,400	132
135				24.2	205.9	35,800	32.0	219.2	37,700	135
140				17.4	192.8	34,200	27.2	210.4	36,600	140
143				10.2	177.8	30,700	23.7	203.7	35,900	143
145				5.3	167.9	28,300	21.4	199.3	35,400	145
150							13.4	183.3	33,200	150
153							3.8	163.5	29,000	153
155										155
160										160
163										163
165										165
170										170
175										175
178										178
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200										200
201										201

MLC250 S-3

ASME B30.5



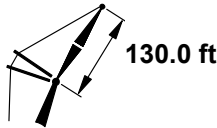
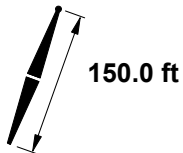
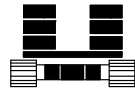
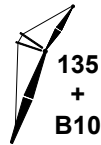
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
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
101	62.7	259.1	48,200										101
105	60.6	257.0	48,100										105
110	57.8	254.0	47,900										110
115	54.9	250.7	46,200										115
120	51.9	247.0	43,800										120
122	50.7	245.3	42,900	58.0	250.1	39,700							122
125	48.8	242.8	41,600	56.3	248.2	38,500							125
130	45.6	238.2	39,700	53.4	244.7	36,700							130
132	44.2	236.1	38,900	52.2	243.1	36,000							132
135	42.1	233.0	37,800	50.3	240.8	35,000							135
140	38.4	227.1	36,100	47.2	236.4	33,400							140
143	36.0	223.0	35,200	45.2	233.4	32,500	52.8	238.8	29,900				143
145	34.4	220.3	34,500	43.8	231.5	31,900	51.6	237.2	29,400				145
150	29.9	212.4	33,100	40.3	225.9	30,600	48.5	233.0	28,100				150
153	26.8	206.5	32,200	37.9	222.1	29,800	46.5	230.2	27,400				153
155	24.7	202.7	31,700	36.4	219.6	29,300	45.2	228.3	26,900				155
160	18.2	190.0	30,400	32.2	212.3	28,100	41.7	223.0	25,800				160
163	11.7	176.7	29,600	29.3	207.0	27,400	39.5	219.4	25,200	47.5	225.5	23,000	163
165	7.4	167.9	29,100	27.4	203.5	26,900	38.0	217.1	24,800	46.2	223.6	22,600	165
170				21.6	192.5	25,900	33.9	210.2	23,800	42.8	218.5	21,700	170
175				13.7	176.8	24,900	29.4	202.1	22,800	39.2	212.7	20,900	175
178				4.8	158.4	24,200	26.2	196.1	22,300	36.8	208.8	20,400	178
180							24.1	192.1	22,000	35.2	206.1	20,100	180
185							17.3	178.9	21,100	30.8	198.5	19,300	185
190							4.9	153.4	20,200	25.8	189.2	18,500	190
195										19.6	177.2	17,800	195
200										10.3	158.5	17,100	200
201										7.2	152.0	17,000	201

MLC250 S-3

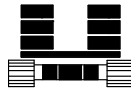
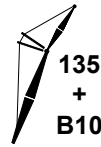
ASME B30.5



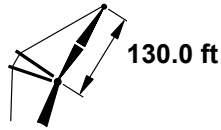
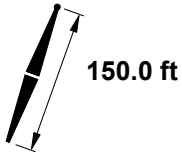
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
44	76.0	284.1	49,300 c						44	
45	75.5	283.9	49,100 c						45	
50	73.2	282.5	48,100 b						50	
55	70.9	280.9	47,200 b						55	
60	68.6	279.0	46,300						60	
65	66.2	276.9	45,500						65	
68	64.7	275.5	45,000	70.9	279.7	47,900			68	
70	63.7	274.6	44,700	70.0	278.9	47,700			70	
75	61.3	272.0	43,900	67.6	277.0	47,000			75	
80	58.7	269.1	43,200	65.2	274.8	46,400			80	
82	57.7	267.8	42,600	64.2	273.8	46,100	68.0	276.0	46,700	82
85	56.1	265.9	41,700	62.8	272.4	45,800	66.6	274.8	46,400	85
90	53.4	262.4	40,100	60.3	269.7	44,900	64.1	272.5	46,100	90
95	50.6	258.5	38,700	57.7	266.7	43,400	61.7	269.9	45,600	95
100	47.7	254.1	37,200	55.0	263.3	41,800	59.1	267.1	44,200	100
105	44.6	249.3	35,800	52.3	259.7	40,200	56.5	263.9	42,700	105
110	41.4	244.0	33,800	49.5	255.6	38,800	53.8	260.5	41,200	110
115	38.0	238.0	31,900	46.5	251.1	37,400	51.0	256.6	39,800	115
120	34.2	231.1	30,100	43.4	246.1	36,000	48.2	252.4	38,400	120
125	30.1	223.1	28,400	40.1	240.5	34,700	45.1	247.6	37,000	125
128	27.2	217.4	27,600	37.9	236.7	34,000	43.2	244.5	36,200	128
130	25.3	213.6	27,000	36.5	234.1	33,500	41.9	242.4	35,700	130
135	19.5	201.5	25,700	32.6	226.9	32,400	38.5	236.4	34,400	135
140	11.2	183.3	24,700	28.3	218.4	31,400	34.8	229.7	33,300	140
142	4.9	169.2	23,500	26.2	214.2	31,100	33.2	226.6	32,800	142
145				23.2	208.0	30,500	30.7	222.0	32,200	145
149				18.0	197.0	29,900	27.0	214.6	31,400	149
150				16.8	194.3	29,700	26.1	212.7	31,200	150
155				5.1	168.3	25,800	20.5	201.1	30,300	155
160							12.9	184.5	29,700	160
163							3.7	163.8	26,400	163
165										165
169										169
170										170
175										175
180										180
185										185
188										188
190										190
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205										205
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211										211

MLC250 S-3

ASME B30.5



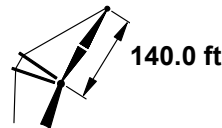
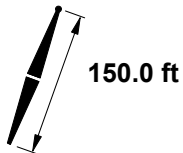
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44													44
45													45
50													50
55													55
60													60
65													65
68													68
70													70
75													75
80													80
82													82
85													85
90													90
95													95
100													100
105	63.0	268.3	44,600										105
110	60.5	265.6	44,500										110
115	57.9	262.7	43,100										115
120	55.3	259.4	41,800										120
125	52.6	255.7	40,500										125
128	50.9	253.3	39,700	57.6	258.2	37,100							128
130	49.8	251.7	39,200	56.6	256.9	36,400							130
135	46.8	247.2	37,600	53.9	253.4	34,700							135
140	43.7	242.3	35,900	51.1	249.6	33,100							140
142	42.4	240.1	35,300	50.0	247.9	32,600							142
145	40.4	236.7	34,300	48.2	245.3	31,700							145
149	37.6	231.7	33,200	45.8	241.6	30,600	52.8	246.8	28,100				149
150	36.9	230.5	32,900	45.2	240.6	30,300	52.3	246.0	27,800				150
155	33.0	223.3	31,500	42.0	235.4	29,100	49.4	241.9	26,700				155
160	28.7	215.0	30,200	38.6	229.5	27,900	46.5	237.4	25,600				160
163	25.7	208.9	29,500	36.4	225.5	27,200	44.6	234.4	24,900				163
165	23.7	204.8	29,000	34.9	222.8	26,800	43.3	232.4	24,500				165
169	18.7	194.2	28,100	31.7	216.6	25,900	40.7	227.9	23,700	48.0	233.5	21,600	169
170	17.5	191.5	27,900	30.9	215.1	25,700	40.0	226.8	23,600	47.4	232.6	21,500	170
175	7.1	168.6	26,800	26.3	205.9	24,700	36.5	220.4	22,600	44.3	227.7	20,600	175
180				20.7	194.4	23,800	32.6	213.1	21,800	41.0	222.3	19,800	180
185				13.2	178.0	22,900	28.2	204.6	20,900	37.6	216.2	19,100	185
188				4.6	158.8	22,300	25.1	198.4	20,500	35.3	212.0	18,600	188
190							23.1	194.2	20,200	33.8	209.2	18,300	190
195							16.6	180.4	19,400	29.6	201.1	17,700	195
200							4.7	153.8	18,600	24.8	191.4	17,000	200
205										18.8	178.9	16,400	205
210										9.9	159.4	15,700	210
211										6.9	152.6	15,600	211

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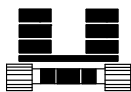
ASME B30.5



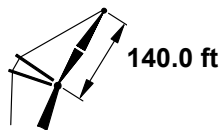
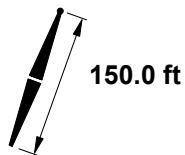
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	75.7	293.7	45,700 b							47
50	74.5	292.9	45,200 b							50
55	72.3	291.4	44,400							55
60	70.2	289.7	43,600							60
65	68.0	287.8	42,800							65
70	65.7	285.7	42,100							70
72	64.8	284.7	41,700	70.6	288.9	44,300				72
75	63.5	283.3	41,200	69.3	287.8	43,900				75
80	61.2	280.7	39,600	67.1	285.8	43,400				80
85	58.8	277.8	38,000	64.9	283.5	42,600				85
86	58.3	277.1	37,800	64.4	283.0	42,300	67.9	285.2	43,100	86
90	56.4	274.6	36,600	62.6	281.1	41,000	66.1	283.5	42,800	90
95	53.9	271.1	35,100	60.2	278.3	39,600	63.8	281.2	41,700	95
100	51.3	267.3	33,800	57.9	275.3	38,000	61.5	278.6	40,400	100
105	48.6	263.1	32,500	55.4	272.0	36,500	59.2	275.7	38,900	105
110	45.9	258.5	31,100	52.9	268.4	35,100	56.8	272.6	37,500	110
115	42.9	253.4	29,900	50.3	264.5	33,800	54.3	269.2	36,100	115
120	39.8	247.7	28,700	47.6	260.1	32,500	51.7	265.4	34,700	120
125	36.5	241.3	27,600	44.7	255.3	31,200	49.1	261.3	33,300	125
130	32.9	234.1	26,300	41.7	250.0	29,900	46.3	256.7	32,000	130
133	30.5	229.1	25,500	39.8	246.4	29,200	44.6	253.7	31,300	133
135	28.9	225.8	25,000	38.6	244.0	28,700	43.4	251.7	30,800	135
140	24.4	215.8	23,800	35.1	237.4	27,700	40.3	246.1	29,600	140
145	18.8	203.2	22,700	31.4	229.8	26,600	37.1	239.9	28,500	145
150	10.8	184.3	21,900	27.2	220.9	25,700	33.5	232.8	27,400	150
152	4.8	169.6	21,200	25.3	216.5	25,400	31.9	229.5	27,000	152
155				22.4	210.0	24,900	29.6	224.7	26,400	155
160				16.1	195.7	24,100	25.1	215.0	25,500	160
165				4.9	168.8	23,400	19.8	202.9	24,600	165
170							12.4	185.6	24,100	170
173							3.5	164.1	23,800	173
175										175
176										176
180										180
185										185
190										190
195										195
198										198
200										200
205										205
210										210
215										215
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221										221

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ASME B30.5



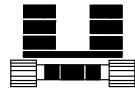
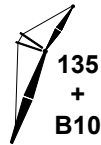
219,600 lb
+
80,000 lb



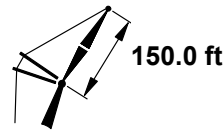
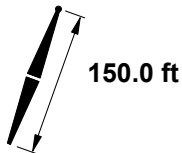
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
60													60
65													65
70													70
72													72
75													75
80													80
85													85
86													86
90													90
95													95
100													100
105													105
110	62.8	277.0	40,200										110
115	60.5	274.3	39,100										115
120	58.1	271.3	37,800										120
125	55.7	268.1	36,600										125
130	53.1	264.5	35,400										130
133	51.6	262.1	34,600	57.8	266.9	35,000							133
135	50.5	260.6	34,000	56.8	265.6	34,300							135
140	47.8	256.2	32,800	54.4	262.1	32,800							140
145	45.0	251.5	31,600	51.8	258.4	31,300							145
150	42.0	246.2	30,400	49.1	254.3	30,000							150
152	40.8	243.9	29,900	48.0	252.4	29,400							152
155	38.9	240.3	29,200	46.4	249.7	28,700	52.8	254.8	26,200				155
160	35.5	233.8	28,200	43.5	244.7	27,500	50.2	250.8	25,200				160
165	31.8	226.2	27,100	40.4	239.1	26,400	47.5	246.4	24,100				165
170	27.7	217.5	26,100	37.2	232.9	25,400	44.7	241.6	23,200				170
173	24.8	211.1	25,600	35.0	228.7	24,800	42.9	238.4	22,600				173
175	22.9	206.9	25,300	33.6	225.9	24,400	41.7	236.3	22,300				175
176	21.7	204.1	25,100	32.8	224.3	24,200	41.0	235.1	22,100	47.8	240.7	20,000	176
180	16.8	193.0	24,500	29.7	217.8	23,500	38.5	230.3	21,400	45.5	236.9	19,400	180
185	6.8	169.2	24,100	25.3	208.2	22,600	35.1	223.6	20,600	42.6	231.7	18,700	185
190				20.0	196.2	21,700	31.3	216.0	19,800	39.5	226.0	18,000	190
195				12.7	179.1	20,900	27.2	207.1	19,100	36.2	219.5	17,300	195
198				4.4	159.2	20,400	24.2	200.6	18,700	34.0	215.1	16,900	198
200							22.3	196.2	18,400	32.5	212.2	16,600	200
205							16.0	181.8	17,700	28.5	203.7	16,000	205
210							4.5	154.2	17,000	23.8	193.6	15,400	210
215										18.1	180.5	14,900	215
220										9.6	160.2	14,300	220
221										6.7	153.2	14,200	221

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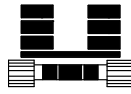
219,600 lb
+
80,000 lb



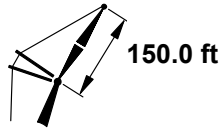
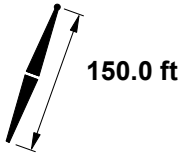
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	75.9	303.5	42,600 b							49
50	75.5	303.2	42,400 b							50
55	73.5	301.9	41,600							55
60	71.5	300.3	40,900							60
65	69.5	298.5	40,200							65
70	67.5	296.6	39,500							70
75	65.4	294.4	37,900	70.7	298.4	40,900				75
80	63.3	292.0	36,500	68.7	296.5	40,400				80
85	61.1	289.3	35,000	66.6	294.5	39,200				85
90	58.9	286.4	33,600	64.5	292.2	37,800	67.8	294.4	39,500	90
95	56.6	283.3	32,200	62.4	289.7	36,300	65.7	292.2	38,300	95
100	54.3	279.8	30,800	60.2	287.0	34,900	63.6	289.9	37,000	100
105	51.9	276.1	29,600	58.0	284.0	33,500	61.4	287.3	35,600	105
110	49.5	272.0	28,300	55.7	280.7	32,100	59.2	284.4	34,200	110
115	46.9	267.5	27,100	53.4	277.2	30,800	57.0	281.3	32,900	115
120	44.2	262.6	26,000	51.0	273.3	29,500	54.7	277.9	31,600	120
125	41.4	257.2	24,800	48.5	269.1	28,300	52.3	274.2	30,300	125
130	38.4	251.2	23,800	45.9	264.4	27,000	49.8	270.2	29,000	130
135	35.2	244.6	22,800	43.1	259.3	25,900	47.3	265.7	27,800	135
138	33.2	240.0	22,300	41.4	256.0	25,300	45.7	262.8	27,100	138
140	31.8	237.0	21,900	40.3	253.7	24,800	44.6	260.9	26,700	140
145	27.9	228.3	21,000	37.2	247.5	23,700	41.9	255.6	25,500	145
150	23.5	217.9	20,200	33.9	240.5	22,800	38.9	249.7	24,500	150
155	18.2	204.8	19,500	30.3	232.5	21,800	35.8	243.2	23,400	155
160	10.4	185.2	19,000	26.3	223.2	21,000	32.3	235.8	22,500	160
161	7.5	177.6	18,900	25.3	221.0	20,800	31.6	234.0	22,300	161
162	4.6	170.1	18,900	24.4	218.7	20,700	30.8	232.3	22,100	162
165				21.6	212.0	20,200	28.6	227.2	21,600	165
170				15.6	197.1	19,500	24.3	217.2	20,700	170
175				4.7	169.2	19,000	19.1	204.6	20,000	175
180							12.0	186.6	19,400	180
183							3.4	164.4	19,100	183
185										185
190										190
195										195
200										200
205										205
208										208
210										210
215										215
220										220
225										225
230										230
231										231

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ASME B30.5



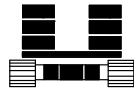
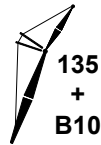
219,600 lb
+
80,000 lb



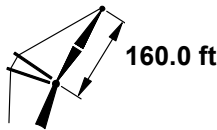
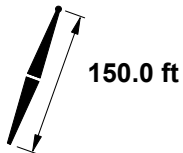
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	62.6	285.7	35,600										115
120	60.4	283.0	34,500										120
125	58.2	280.0	33,300										125
130	55.9	276.8	32,100										130
135	53.6	273.2	30,900										135
138	52.2	270.9	30,200	58.0	275.5	32,300							138
140	51.2	269.4	29,700	57.1	274.2	31,900							140
145	48.7	265.2	28,500	54.7	270.9	30,900							145
150	46.1	260.6	27,400	52.4	267.2	29,900							150
155	43.4	255.5	26,300	49.9	263.1	28,600							155
160	40.5	250.0	25,200	47.4	258.7	27,400							160
161	39.9	248.7	25,000	46.8	257.8	27,200	52.9	262.8	24,900				161
162	39.3	247.5	24,800	46.3	256.8	27,000	52.4	262.0	24,700				162
165	37.5	243.8	24,100	44.7	253.9	26,300	50.9	259.6	24,000				165
170	34.2	236.9	23,100	41.9	248.6	25,300	48.4	255.4	23,100				170
175	30.7	229.0	22,200	39.0	242.8	24,300	45.8	250.7	22,200				175
180	26.7	219.9	21,400	35.9	236.2	23,400	43.1	245.6	21,300				180
183	23.9	213.3	20,900	33.8	231.8	22,900	41.4	242.2	20,800	47.7	247.8	18,900	183
185	22.1	208.9	20,500	32.5	228.9	22,500	40.2	240.0	20,500	46.6	246.0	18,600	185
190	16.3	194.5	19,800	28.7	220.4	21,700	37.1	233.8	19,800	43.9	241.0	17,900	190
195	6.6	169.8	19,400	24.4	210.4	20,900	33.9	226.7	19,000	41.1	235.6	17,200	195
200				19.3	197.9	20,200	30.3	218.8	18,400	38.1	229.5	16,600	200
205				12.3	180.2	19,400	26.2	209.5	17,700	34.9	222.7	16,000	205
208				4.3	159.6	19,000	23.4	202.7	17,300	32.8	218.1	15,600	208
210							21.5	198.1	17,100	31.4	215.1	15,400	210
215							15.5	183.2	16,400	27.5	206.2	14,800	215
220							4.4	154.6	15,800	23.0	195.6	14,300	220
225										17.5	182.1	13,800	225
230										9.3	161.1	13,300	230
231										6.5	153.8	13,100	231

MLC250 S-3

ASME B30.5



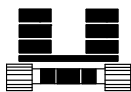
219,600 lb
+
80,000 lb



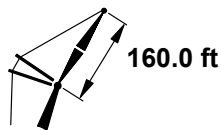
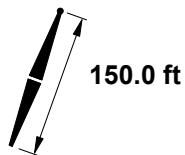
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
52	75.7	313.1	39,300						52	
55	74.6	312.3	38,800						55	
60	72.7	310.8	38,200						60	
65	70.8	309.2	37,500						65	
70	68.9	307.3	36,100						70	
75	67.0	305.3	34,700						75	
78	65.8	304.0	33,800	70.9	307.9	37,600			78	
80	65.0	303.1	33,200	70.1	307.2	37,000			80	
85	63.1	300.6	31,800	68.2	305.3	35,700			85	
90	61.0	298.0	30,400	66.2	303.2	34,300			90	
94	59.4	295.7	29,300	64.7	301.4	33,200	67.7	303.5	35,000	94
95	59.0	295.1	29,100	64.3	300.9	32,900	67.3	303.1	34,700	95
100	56.8	292.0	27,800	62.3	298.4	31,500	65.4	300.9	33,500	100
105	54.7	288.6	26,500	60.2	295.7	30,300	63.4	298.5	32,200	105
110	52.5	284.9	25,300	58.1	292.7	28,900	61.3	295.9	30,900	110
115	50.2	280.9	24,100	56.0	289.4	27,600	59.3	293.1	29,600	115
119	48.3	277.4	23,200	54.2	286.6	26,600	57.6	290.6	28,600	119
120	47.8	276.5	23,000	53.8	285.9	26,400	57.2	290.0	28,300	120
125	45.3	271.8	21,900	51.6	282.1	25,200	55.0	286.6	27,100	125
130	42.7	266.6	20,900	49.2	278.0	24,000	52.8	283.0	25,900	130
135	40.0	260.9	19,900	46.8	273.5	22,900	50.5	279.0	24,700	135
140	37.2	254.7	19,000	44.3	268.6	21,800	48.2	274.7	23,600	140
144	34.7	249.1	18,300	42.2	264.3	21,000	46.2	271.0	22,700	144
145	34.1	247.7	18,100	41.7	263.2	20,700	45.7	270.0	22,500	145
150	30.7	239.8	17,200	38.9	257.3	19,800	43.2	264.9	21,400	150
155	27.0	230.7	16,500	36.0	250.8	18,900	40.5	259.3	20,400	155
160	22.8	220.0	15,700	32.8	243.5	18,000	37.6	253.2	19,400	160
165	17.6	206.4	14,900	29.3	235.2	17,100	34.6	246.3	18,600	165
167	14.6	198.3	14,500	27.8	231.3	16,800	33.3	243.2	18,200	167
170	10.1	186.1	14,000	25.4	225.5	16,300	31.3	238.6	17,700	170
172	4.5	170.4	13,700	23.4	220.1	16,000	29.7	234.7	17,400	172
180				15.1	198.4	14,600	23.5	219.3	16,100	180
185				4.6	169.6	13,800	18.5	206.3	15,200	185
189							13.0	191.4	14,400	189
190							11.6	187.7	14,200	190
193							3.3	164.7	13,800	193
200										200
205										205
210										210
218										218
220										220
230										230
240										240
241										241

MLC250 S-3

ASME B30.5



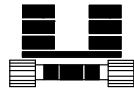
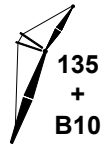
219,600 lb
+
80,000 lb



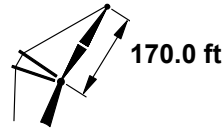
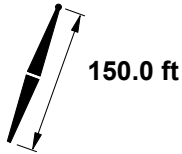
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
65													65
70													70
75													75
78													78
80													80
85													85
90													90
94													94
95													95
100													100
105													105
110													110
115													115
119	62.9	294.9	31,200										119
120	62.5	294.4	31,000										120
125	60.4	291.6	29,900										125
130	58.3	288.7	28,800										130
135	56.2	285.5	27,600										135
140	54.0	282.0	26,500										140
144	52.2	278.9	25,500	57.7	283.6	27,700							144
145	51.8	278.2	25,300	57.2	282.9	27,500							145
150	49.5	274.1	24,200	55.1	279.6	26,500							150
155	47.1	269.6	23,100	52.9	275.9	25,600							155
160	44.6	264.8	22,100	50.6	272.0	24,500							160
165	42.0	259.4	21,000	48.2	267.7	23,500							165
167	40.8	257.1	20,700	47.3	265.8	23,100	52.9	270.8	23,300				167
170	39.2	253.6	20,100	45.8	263.0	22,500	51.5	268.4	22,700				170
172	38.0	250.9	19,700	44.7	260.9	22,100	50.6	266.7	22,300				172
180	33.1	239.9	18,300	40.6	252.4	20,600	46.8	259.8	21,000				180
185	29.7	231.7	17,400	37.7	246.2	19,600	44.3	254.9	20,200				185
189	26.6	224.1	16,800	35.3	240.8	18,900	42.2	250.6	19,600	48.0	255.9	17,600	189
190	25.8	222.2	16,600	34.7	239.4	18,700	41.6	249.5	19,400	47.5	255.0	17,500	190
193	22.8	214.3	16,100	32.6	234.4	18,200	39.9	245.8	19,000	46.0	252.0	17,100	193
200	15.7	195.9	14,900	27.8	222.9	17,000	35.9	237.1	18,000	42.5	245.0	16,200	200
205	6.4	170.3	14,000	23.6	212.5	16,300	32.8	229.7	17,400	39.7	239.2	15,600	205
210				18.7	199.6	15,400	29.3	221.4	16,700	36.8	232.9	15,000	210
218				4.1	159.9	14,000	22.5	204.3	15,800	31.7	220.9	14,200	218
220							20.8	200.0	15,600	30.4	217.8	14,000	220
230							4.2	154.9	14,000	22.3	197.6	13,000	230
240										9.0	161.9	12,000	240
241										6.2	154.4	11,900	241

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ASME B30.5



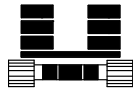
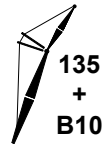
219,600 lb
+
80,000 lb



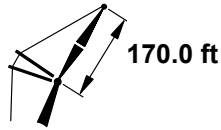
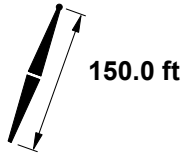
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	75.9	322.9	36,400							54
55	75.5	322.6	36,200							55
60	73.8	321.2	35,600							60
65	72.0	319.7	34,600							65
70	70.2	318.0	33,300							70
75	68.4	316.1	31,900							75
80	66.6	314.0	30,500							80
81	66.2	313.6	30,200	71.0	317.5	33,800				81
85	64.8	311.8	29,200	69.5	316.0	32,800				85
90	62.9	309.3	27,800	67.7	314.1	31,500				90
95	61.0	306.6	26,600	65.9	311.9	30,100				95
97	60.2	305.5	26,100	65.1	311.0	29,600	68.0	313.1	31,300	97
100	59.0	303.8	25,300	64.0	309.6	28,900	66.9	311.9	30,600	100
105	57.0	300.6	24,100	62.1	307.1	27,600	65.0	309.6	29,400	105
110	55.0	297.3	22,900	60.2	304.3	26,400	63.2	307.2	28,200	110
115	52.9	293.6	21,800	58.2	301.3	25,100	61.3	304.6	27,000	115
120	50.8	289.7	20,700	56.2	298.1	23,900	59.3	301.7	25,800	120
124	49.0	286.3	19,900	54.6	295.3	23,000	57.7	299.3	24,800	124
125	48.6	285.5	19,700	54.2	294.6	22,800	57.3	298.6	24,600	125
130	46.3	280.9	18,700	52.1	290.9	21,700	55.3	295.3	23,500	130
135	43.9	275.9	17,800	49.9	286.8	20,600	53.2	291.7	22,300	135
140	41.4	270.4	16,900	47.7	282.5	19,600	51.1	287.8	21,200	140
145	38.8	264.5	16,000	45.3	277.7	18,500	48.9	283.6	20,200	145
149	36.6	259.3	15,300	43.4	273.6	17,800	47.1	280.0	19,300	149
150	36.0	258.0	15,100	42.9	272.6	17,600	46.6	279.1	19,100	150
155	33.0	250.7	14,300	40.4	266.9	16,700	44.3	274.2	18,200	155
160	29.8	242.5	13,400	37.7	260.8	15,800	41.8	268.8	17,200	160
170	22.1	222.0	11,600	31.8	246.4	14,100	36.5	256.5	15,600	170
173	18.4	211.5	11,100	29.7	240.8	13,500	34.6	252.0	15,000	173
180	9.8	187.0	10,000	24.7	227.7	12,200	30.3	241.4	13,800	180
182	4.3	170.8	9,800	22.7	222.1	11,900	28.8	237.3	13,400	182
190				14.6	199.7	10,500	22.8	221.3	11,900	190
195				4.5	170.0	9,800	17.9	207.9	11,100	195
196							16.6	204.0	10,900	196
200							11.2	188.7	10,200	200
203							3.2	165.0	9,900	203
210										210
215										215
220										220
228										228
230										230
240										240
250										250
251										251

MLC250 S-3

ASME B30.5



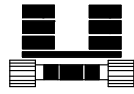
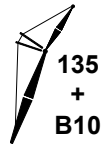
219,600 lb
+
80,000 lb



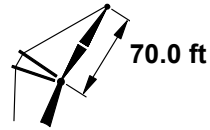
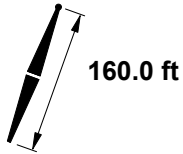
	75°			70°			65°			60°			
54													54
55													55
60													60
65													65
70													70
75													75
80													80
81													81
85													85
90													90
95													95
97													97
100													100
105													105
110													110
115													115
120													120
124	62.7	303.5	27,400										124
125	62.3	303.0	27,100										125
130	60.4	300.3	26,100										130
135	58.4	297.3	25,000										135
140	56.4	294.1	23,900										140
145	54.4	290.7	22,900										145
149	52.7	287.7	22,000	57.8	292.2	24,100							149
150	52.3	287.0	21,800	57.4	291.6	23,900							150
155	50.1	282.9	20,800	55.4	288.3	23,000							155
160	47.9	278.6	19,700	53.3	284.7	22,000							160
170	43.2	268.8	17,800	49.0	276.6	20,100							170
173	41.6	265.3	17,300	47.6	273.8	19,600	52.9	278.8	21,300				173
180	38.0	257.1	16,000	44.3	267.2	18,300	49.9	273.2	20,200				180
182	36.8	254.2	15,700	43.3	264.9	17,900	49.0	271.3	19,800				182
190	32.1	242.8	14,400	39.3	256.0	16,500	45.3	264.0	18,500				190
195	28.8	234.3	13,400	36.5	249.6	15,700	42.9	258.9	17,600				195
196	28.0	232.4	13,200	36.0	248.2	15,500	42.4	257.7	17,500	47.9	263.0	16,400	196
200	25.1	224.5	12,500	33.6	242.5	14,900	40.3	253.2	16,800	46.0	259.3	15,900	200
203	22.1	216.3	12,000	31.6	237.3	14,300	38.7	249.3	16,300	44.6	256.1	15,600	203
210	15.3	197.2	10,700	26.9	225.3	12,900	34.8	240.2	15,200	41.1	248.8	14,800	210
215	6.2	170.9	10,100	22.9	214.6	12,000	31.7	232.6	14,400	38.5	242.8	14,200	215
220				18.1	201.2	11,200	28.4	224.0	13,400	35.7	236.2	13,700	220
228				4.0	160.3	10,000	21.8	206.2	11,900	30.7	223.6	12,900	228
230							20.2	201.8	11,600	29.4	220.5	12,700	230
240							4.1	155.3	10,000	21.6	199.6	11,800	240
250										8.7	162.6	10,300	250
251										6.1	154.9	10,200	251

MLC250 S-3

ASME B30.5



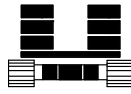
219,600 lb
+
80,000 lb



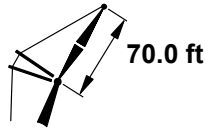
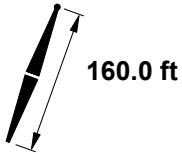
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	71.5	234.4	94,800 d							35
40	67.2	232.5	94,400 c							40
45	62.6	230.2	94,000 c							45
50	57.9	227.3	93,600 b	70.6	232.7	97,700 d				50
55	53.0	223.9	91,100 b	66.2	230.8	97,700 c				55
60	47.6	219.7	83,600 b	61.6	228.3	97,700 c				60
62	45.3	217.7	80,800 b	59.7	227.1	96,500 c	67.3	229.9	98,400 c	62
65	41.8	214.7	76,700	56.9	225.3	94,600 b	64.6	228.6	98,400 c	65
70	35.3	208.4	70,500	51.8	221.7	89,100 b	60.0	226.0	91,800 b	70
75	27.4	200.2	65,100	46.4	217.4	84,000	55.2	222.8	84,400 b	75
80	16.4	187.7	54,600	40.5	212.1	79,300	50.0	219.0	78,000 b	80
81	12.6	183.2	51,100	39.1	210.8	78,200	48.9	218.1	76,900 b	81
82	8.9	178.8	47,600	37.7	209.5	77,000	47.8	217.1	75,800 b	82
85				33.7	205.5	73,500	44.4	214.4	72,400	85
90				25.3	196.7	67,100	38.2	208.7	67,500	90
95				12.8	182.2	54,600	31.0	201.4	63,200	95
96				8.3	176.8	50,500	29.2	199.4	62,400	96
99							23.6	193.4	60,100	99
100							21.8	191.3	59,300	100
104							9.7	177.2	53,900	104
105										105
110										110
115										115
117										117
118										118
120										120
125										125
130										130
131										131
134										134
135										135
140										140
144										144
145										145
150										150
155										155
156										156

MLC250 S-3

ASME B30.5



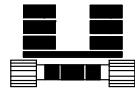
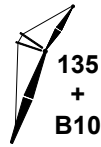
219,600 lb
+
80,000 lb



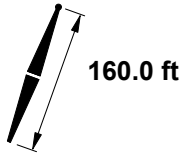
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35													35
40													40
45													45
50													50
55													55
60													60
62													62
65													65
70													70
75													75
80													80
81	62.4	224.2	71,500 c										81
82	61.5	223.6	70,500 c										82
85	58.7	221.9	67,500 b										85
90	53.7	218.6	62,900 b										90
95	48.5	214.6	58,900 b										95
96	47.3	213.6	58,200 b										96
99	43.9	210.6	56,000 b	57.9	217.1	51,900 b							99
100	42.7	209.7	55,300	57.0	216.5	51,300 b							100
104	37.6	204.8	52,800	52.9	213.6	48,900 b							104
105	36.3	203.6	52,100	51.9	212.9	48,300 b							105
110	28.7	195.7	49,200	46.5	208.6	45,600							110
115	18.4	184.3	46,500	40.6	203.3	43,200							115
117	11.1	175.5	45,500	37.9	200.7	42,300	52.8	208.0	39,000 b				117
118	7.4	171.2	44,900	36.5	199.3	41,800	51.7	207.2	38,600 b				118
120				33.8	196.7	41,000	49.6	205.6	37,800 b				120
125				25.5	187.9	38,900	44.0	200.9	35,900				125
130				13.2	173.7	36,900	37.8	195.1	34,200				130
131				8.9	168.6	36,500	36.3	193.6	33,800				131
134							31.9	189.2	32,900	47.8	197.5	30,200	134
135							30.5	187.7	32,500	46.7	196.5	29,900	135
140							21.0	177.4	31,000	40.7	191.3	28,500	140
144							7.9	161.8	29,800	35.3	186.1	27,500	144
145										34.0	184.7	27,200	145
150										25.8	176.0	26,000	150
155										13.6	162.0	24,800	155
156										9.4	157.1	24,600	156

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



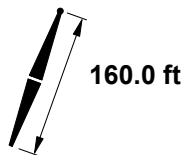
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.4	245.4	87,100 d							33
35	73.9	244.9	87,000 d							35
40	70.2	243.3	86,600 c							40
45	66.3	241.3	86,100 c							45
50	62.3	238.9	85,700 b							50
53	59.8	237.1	83,800 b	70.8	242.3	88,500 c				53
55	58.2	236.0	82,500 b	69.3	241.6	88,500 c				55
60	53.9	232.6	79,400 b	65.4	239.5	88,500 c				60
65	49.3	228.7	73,700	61.4	237.0	87,100 b	68.0	239.5	88,500 c	65
70	44.4	224.0	68,000	57.3	234.0	83,900 b	64.1	237.3	88,500 b	70
75	39.0	218.4	62,700	52.9	230.5	80,900	60.0	234.6	84,000 b	75
80	32.9	211.5	58,000	48.3	226.4	77,200	55.8	231.5	77,700 b	80
85	25.6	202.5	53,900	43.3	221.5	73,200	51.3	227.8	72,100	85
90	15.3	189.1	47,300	37.7	215.7	67,700	46.6	223.5	67,300	90
92	8.3	179.5	41,500	35.2	212.8	65,500	44.5	221.4	65,600	92
95				31.4	208.4	62,100	41.4	218.3	63,000	95
100				23.7	198.8	57,200	35.7	212.0	59,200	100
105				12.0	183.3	47,600	29.0	204.1	55,700	105
106				7.8	177.5	44,200	27.2	201.9	55,100	106
110							20.4	193.2	52,600	110
114							9.1	178.0	47,100	114
115										115
120										120
123										123
125										125
128										128
130										130
135										135
140										140
141										141
145										145
150										150
154										154
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166										166

MLC250 S-3

ASME B30.5



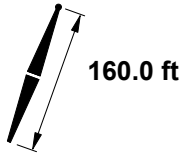
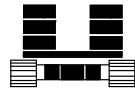
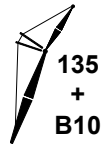
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
35													35
40													40
45													45
50													50
53													53
55													55
60													60
65													65
70													70
75													75
80													80
85	62.9	233.4	67,100 b										85
90	58.8	230.6	62,500 b										90
92	57.1	229.3	60,900 b										92
95	54.5	227.3	58,500										95
100	50.0	223.4	55,000										100
105	45.2	218.9	51,800	57.4	225.1	47,900 b							105
106	44.1	217.8	51,200	56.5	224.4	47,400 b							106
110	39.9	213.4	48,900	53.0	221.6	45,200							110
114	35.1	208.1	46,800	49.3	218.4	43,300							114
115	33.9	206.8	46,300	48.4	217.5	42,800							115
120	26.8	198.2	43,900	43.4	212.7	40,600							120
123	21.0	190.8	42,600	40.1	209.2	39,400	52.8	216.0	36,200				123
125	17.2	185.8	41,700	37.9	206.9	38,600	51.0	214.4	35,500				125
128	6.9	171.8	40,300	34.1	202.5	37,500	48.1	211.8	34,500				128
130				31.6	199.6	36,700	46.2	210.0	33,800				130
135				23.9	190.1	35,000	41.0	204.8	32,200				135
140				12.3	174.8	33,300	35.2	198.4	30,700				140
141				8.3	169.3	33,000	33.9	196.8	30,400	47.5	204.6	27,800	141
145							28.5	190.4	29,300	43.5	200.7	26,800	145
150							19.7	179.1	28,000	38.0	194.9	25,700	150
154							7.4	162.5	27,000	33.0	189.1	24,800	154
155										31.7	187.7	24,500	155
160										24.1	178.2	23,500	160
165										12.7	163.2	22,500	165
166										8.8	157.9	22,200	166

MLC250 S-3

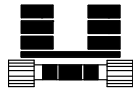
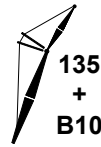
ASME B30.5



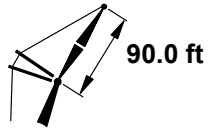
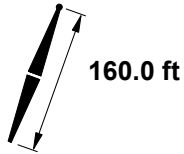
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	75.7	255.2	79,700 d							35
40	72.4	253.8	79,300 c							40
45	69.1	252.1	78,800 c							45
50	65.6	250.0	77,300 b							50
55	62.1	247.5	74,200 b							55
56	61.3	246.9	73,600 b	71.0	251.8	81,100 c				56
60	58.4	244.7	71,400 b	68.3	250.3	81,000 b				60
65	54.6	241.3	68,800	64.8	248.2	78,200 b				65
69	51.4	238.3	65,900	62.0	246.1	75,900 b	67.8	248.7	80,400 b	69
70	50.6	237.5	65,200	61.3	245.6	75,400 b	67.1	248.3	79,900 b	70
75	46.3	233.1	60,400	57.6	242.7	72,600	63.6	246.0	77,300 b	75
80	41.7	227.9	56,000	53.7	239.3	70,100	60.0	243.3	74,800	80
85	36.7	221.8	52,000	49.7	235.3	67,800	56.3	240.2	71,900	85
90	31.0	214.3	48,300	45.3	230.7	65,500	52.3	236.6	67,100	90
95	24.1	204.7	45,100	40.7	225.4	62,100	48.2	232.4	62,800	95
100	14.4	190.4	42,000	35.5	219.0	57,200	43.8	227.6	59,000	100
102	7.8	180.2	37,100	33.1	215.8	55,500	41.8	225.3	57,700	102
105				29.6	211.2	53,000	38.9	221.9	55,600	105
110				22.3	200.9	49,300	33.6	215.1	52,500	110
115				11.3	184.3	42,500	27.3	206.6	49,700	115
116				7.3	178.2	39,600	25.7	204.3	49,200	116
120							19.2	194.9	47,100	120
124							8.6	178.7	42,200	124
125										125
129										129
130										130
135										135
138										138
140										140
145										145
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155										155
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165										165
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ASME B30.5



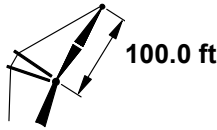
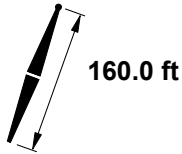
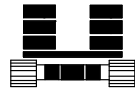
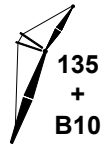
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
55													55
56													56
60													60
65													65
69													69
70													70
75													75
80													80
85													85
90	62.6	242.1	62,300 b										90
95	59.0	239.3	58,300										95
100	55.2	236.0	54,800										100
102	53.6	234.5	53,500										102
105	51.2	232.3	51,600										105
110	47.0	227.9	48,700	57.7	233.8	45,000							110
115	42.4	222.9	46,100	53.8	230.4	42,600							115
116	41.5	221.7	45,700	53.0	229.6	42,200							116
120	37.5	216.9	43,800	49.7	226.4	40,400							120
124	33.0	211.1	42,000	46.3	222.8	38,800							124
125	31.9	209.7	41,600	45.4	221.9	38,400							125
129	26.6	202.3	40,000	41.7	217.6	36,900	52.9	224.0	33,900				129
130	25.2	200.5	39,600	40.8	216.5	36,600	52.1	223.2	33,500				130
135	16.2	187.3	37,700	35.6	210.2	34,800	47.9	219.0	32,000				135
138	6.5	172.4	36,600	32.1	205.5	33,900	45.2	216.1	31,100				138
140				29.7	202.4	33,300	43.5	214.1	30,500				140
145				22.5	192.2	31,800	38.6	208.4	29,200				145
148				16.0	182.4	30,900	35.3	204.2	28,400	47.3	211.8	25,900	148
150				11.6	175.9	30,300	33.2	201.5	27,900	45.5	209.8	25,400	150
151				7.8	170.0	30,000	31.9	199.7	27,700	44.6	208.8	25,200	151
155							26.8	192.8	26,700	40.9	204.5	24,400	155
160							18.5	180.8	25,600	35.7	198.2	23,300	160
164							6.9	163.1	24,600	31.0	192.0	22,600	164
165										29.9	190.4	22,400	165
170										22.7	180.3	21,400	170
175										11.9	164.3	20,500	175
176										8.3	158.7	20,300	176

MLC250 S-3

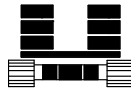
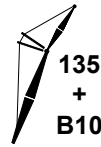
ASME B30.5



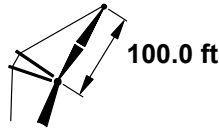
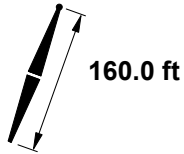
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37	76.0	265.0	73,400 d							37
40	74.2	264.3	73,100 c							40
45	71.2	262.7	72,600 c							45
50	68.2	260.8	72,100 b							50
55	65.1	258.7	69,200 b							55
60	61.9	256.2	66,400 b	70.6	261.0	74,300 b				60
65	58.6	253.3	63,800	67.5	259.1	72,600 b				65
70	55.1	250.1	61,400	64.4	256.9	69,900 b				70
73	53.0	247.8	59,300	62.4	255.3	68,400 b	67.7	257.9	72,500 b	73
75	51.6	246.3	57,900	61.1	254.3	67,300	66.4	257.0	71,500 b	75
80	47.8	242.1	54,000	57.8	251.4	64,700	63.3	254.7	69,100	80
85	43.8	237.2	50,300	54.4	248.0	62,300	60.0	252.0	66,700	85
90	39.5	231.6	46,800	50.8	244.2	60,100	56.6	248.9	64,300	90
94	35.7	226.3	44,300	47.7	240.7	58,400	53.8	246.1	62,500	94
95	34.8	225.0	43,700	47.0	239.8	57,900	53.1	245.4	62,100	95
100	29.4	217.0	40,800	42.9	234.8	55,900	49.5	241.4	58,700	100
105	22.8	206.8	38,300	38.5	229.0	52,700	45.6	236.8	55,300	105
110	13.7	191.6	36,300	33.6	222.1	49,000	41.4	231.5	52,300	110
112	7.4	180.9	33,100	31.4	218.7	47,700	39.6	229.0	51,100	112
115				28.0	213.7	45,700	36.9	225.4	49,500	115
120				21.1	202.8	42,800	31.8	218.0	46,900	120
125				10.7	185.3	38,000	25.8	209.0	44,600	125
126				6.9	178.8	35,400	24.3	206.5	44,100	126
130							18.2	196.6	41,900	130
134							8.1	179.5	37,900	134
135										135
140										140
145										145
148										148
150										150
154										154
155										155
160										160
161										161
165										165
170										170
174										174
175										175
180										180
185										185
186										186

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



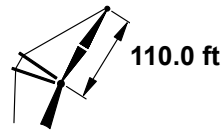
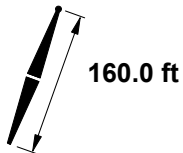
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
40													40
45													45
50													50
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
90													90
94	63.0	251.2	58,700										94
95	62.3	250.7	57,900										95
100	59.1	247.9	54,400										100
105	55.7	244.7	51,200										105
110	52.1	241.1	48,400										110
112	50.6	239.4	47,300										112
115	48.4	236.9	45,800	57.9	242.5	42,200							115
120	44.4	232.2	43,400	54.4	239.1	40,000							120
125	40.2	226.7	41,300	50.8	235.3	38,000							125
126	39.2	225.4	40,900	50.1	234.4	37,600							126
130	35.5	220.2	39,300	47.0	230.9	36,200							130
134	31.3	214.0	37,800	43.8	226.9	34,800							134
135	30.2	212.5	37,500	43.0	225.9	34,500	52.9	232.0	31,500				135
140	23.9	202.7	35,800	38.6	220.1	32,900	49.2	227.9	30,100				140
145	15.4	188.7	34,100	33.7	213.3	31,500	45.3	223.3	28,800				145
148	6.2	172.9	33,200	30.4	208.3	30,600	42.8	220.1	28,000				148
150				28.2	205.0	30,100	41.1	218.0	27,500				150
154				22.7	196.3	29,100	37.5	213.0	26,600	47.9	219.8	24,100	154
155				21.3	194.1	28,800	36.5	211.8	26,300	47.1	218.9	23,900	155
160				11.0	176.9	27,600	31.4	204.4	25,200	43.1	213.9	22,900	160
161				7.4	170.7	27,300	30.2	202.5	25,000	42.2	212.8	22,700	161
165							25.4	195.1	24,200	38.7	208.1	22,000	165
170							17.6	182.4	23,200	33.9	201.3	21,100	170
174							6.6	163.7	22,400	29.4	194.7	20,400	174
175										28.3	193.0	20,200	175
180										21.5	182.3	19,400	180
185										11.3	165.3	18,600	185
186										7.9	159.4	18,400	186

MLC250 S-3

ASME B30.5



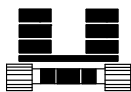
219,600 lb
+
80,000 lb



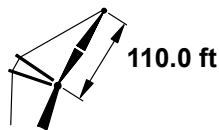
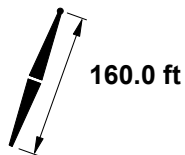
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	75.7	274.6	55,600 c							40
45	73.0	273.2	54,300 c							45
50	70.3	271.5	53,100 b							50
55	67.5	269.6	51,900 b							55
60	64.6	267.4	50,800 b							60
63	62.9	265.9	50,200 b	70.8	270.6	54,400 b				63
65	61.7	264.9	49,800	69.6	269.8	54,000 b				65
70	58.7	262.0	48,800	66.8	267.9	53,200				70
75	55.6	258.8	47,800	64.0	265.6	52,400				75
77	54.3	257.3	47,500	62.8	264.5	52,000	67.6	267.0	53,300 b	77
80	52.4	255.1	46,900	61.0	263.0	51,600	65.9	265.7	52,900	80
85	49.0	251.0	46,000	58.0	260.0	50,700	63.0	263.3	52,300	85
90	45.5	246.4	45,000	54.9	256.7	49,900	60.0	260.6	51,600	90
95	41.7	241.1	42,200	51.6	253.0	49,200	56.9	257.6	51,000	95
99	38.4	236.3	40,000	48.9	249.6	48,500	54.4	254.8	50,500	99
100	37.6	235.1	39,500	48.2	248.8	48,400	53.8	254.1	50,400	100
105	33.1	228.1	37,100	44.6	244.0	47,600	50.5	250.2	49,700	105
110	28.0	219.6	34,900	40.8	238.6	46,600	47.0	245.8	49,000	110
115	21.8	208.8	33,100	36.6	232.4	45,200	43.3	240.9	47,900	115
120	13.0	192.8	31,600	32.0	225.0	44,000	39.4	235.2	46,400	120
121	10.0	187.2	30,700	31.0	223.3	43,600	38.5	233.9	46,100	121
122	7.1	181.5	29,800	29.9	221.5	43,200	37.7	232.6	45,700	122
125				26.7	216.2	41,900	35.1	228.6	44,600	125
130				20.2	204.6	39,300	30.3	220.8	42,500	130
135				10.2	186.2	34,400	24.6	211.2	40,500	135
136				6.6	179.4	32,100	23.2	208.6	40,100	136
140							17.3	198.2	38,500	140
141							14.9	193.7	37,500	141
144							7.7	180.2	34,500	144
145										145
150										150
155										155
158										158
160										160
161										161
165										165
170										170
171										171
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MLC250 S-3

ASME B30.5



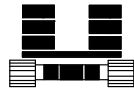
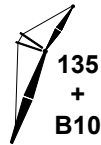
219,600 lb
+
80,000 lb



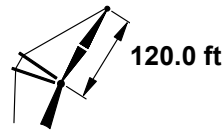
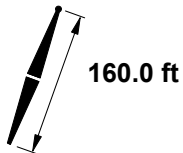
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75													75
77													77
80													80
85													85
90													90
95													95
99	62.7	259.9	51,200										99
100	62.1	259.4	51,200										100
105	59.1	256.6	51,000										105
110	56.1	253.4	48,300										110
115	52.9	249.8	45,800										115
120	49.5	245.8	43,400										120
121	48.8	244.9	43,000	57.5	250.5	39,500							121
122	48.1	244.0	42,600	56.8	249.8	39,200							122
125	46.0	241.3	41,300	55.0	247.8	38,000							125
130	42.3	236.1	39,300	51.7	244.1	36,100							130
135	38.2	230.2	37,500	48.3	239.9	34,500							135
136	37.3	228.8	37,200	47.6	239.0	34,200							136
140	33.8	223.3	35,800	44.7	235.2	32,900							140
141	32.8	221.7	35,500	44.0	234.1	32,600	52.9	240.0	29,800				141
144	29.8	216.7	34,600	41.7	230.8	31,800	50.9	237.6	29,000				144
145	28.8	215.1	34,200	40.9	229.8	31,500	50.3	236.8	28,700				145
150	22.8	204.8	32,800	36.7	223.6	30,100	46.8	232.4	27,500				150
155	14.7	190.0	31,400	32.1	216.3	28,900	43.1	227.4	26,300				155
158	5.9	173.5	30,500	28.9	210.9	28,100	40.7	223.9	25,700				158
160				26.8	207.4	27,700	39.1	221.6	25,300				160
161				25.5	205.1	27,500	38.3	220.3	25,100	47.7	227.0	22,700	161
165				20.3	195.9	26,600	34.8	215.0	24,200	44.8	223.1	22,000	165
170				10.5	177.8	25,500	29.9	207.1	23,300	41.0	217.8	21,100	170
171				7.1	171.3	25,200	28.8	205.1	23,100	40.1	216.5	20,900	171
175							24.2	197.3	22,400	36.8	211.6	20,300	175
180							16.7	183.9	21,500	32.2	204.3	19,500	180
184							6.3	164.3	20,800	28.0	197.2	18,900	184
185										27.0	195.5	18,700	185
190										20.5	184.1	18,000	190
196										7.5	160.0	17,100	196

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219,600 lb
+
80,000 lb



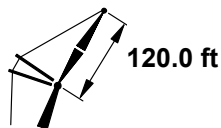
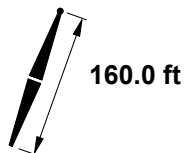
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42	75.9	284.4	52,000 c							42
45	74.5	283.6	51,300 c							45
50	72.0	282.1	50,300 b							50
55	69.4	280.4	49,300 b							55
60	66.9	278.4	48,400							60
65	64.2	276.1	47,500							65
66	63.7	275.6	47,300	70.9	280.1	50,700 b				66
70	61.6	273.5	46,500	68.9	278.6	50,100				70
75	58.8	270.7	45,700	66.3	276.6	49,500				75
80	56.0	267.5	44,900	63.7	274.2	48,800	68.0	276.6	49,600	80
85	53.0	263.9	44,200	61.0	271.6	48,100	65.4	274.5	49,100	85
90	50.0	259.9	43,200	58.2	268.7	47,400	62.7	272.0	48,600	90
95	46.8	255.5	40,600	55.3	265.4	46,800	60.0	269.3	48,200	95
100	43.4	250.5	38,300	52.4	261.8	45,600	57.2	266.2	47,600	100
103	41.3	247.1	36,900	50.5	259.3	44,700	55.5	264.2	47,200	103
105	39.8	244.9	36,100	49.3	257.7	44,000	54.3	262.8	47,000	105
110	35.9	238.4	34,000	46.1	253.1	42,400	51.3	259.0	45,300	110
115	31.6	231.0	32,000	42.7	248.0	40,900	48.2	254.8	43,700	115
120	26.7	222.0	30,200	39.0	242.2	39,600	44.9	250.1	42,200	120
125	20.8	210.7	28,700	35.0	235.6	38,300	41.4	244.7	40,700	125
126	19.2	207.3	28,500	34.1	234.0	38,000	40.7	243.5	40,500	126
130	12.5	193.9	27,600	30.6	227.8	37,100	37.7	238.7	39,300	130
132	6.8	182.1	26,900	28.6	224.1	36,700	36.0	235.9	38,900	132
135				25.6	218.5	36,000	33.6	231.7	38,100	135
140				19.3	206.3	34,700	29.0	223.5	37,000	140
145				9.8	187.0	31,100	23.6	213.3	36,000	145
146				6.3	180.0	29,100	22.2	210.6	35,600	146
147							20.8	207.8	35,200	147
150							16.6	199.6	34,000	150
154							7.4	180.8	31,200	154
155										155
160										160
165										165
168										168
170										170
175										175
180										180
181										181
185										185
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194										194
195										195
200										200
206										206

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ASME B30.5



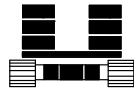
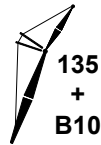
219,600 lb
+
80,000 lb



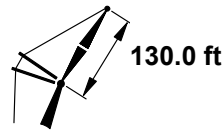
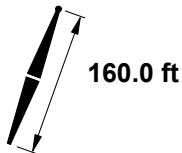
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
55													55
60													60
65													65
66													66
70													70
75													75
80													80
85													85
90													90
95													95
100													100
103	63.0	269.1	47,500										103
105	62.0	268.1	47,400										105
110	59.2	265.2	47,300										110
115	56.4	262.1	45,400										115
120	53.5	258.6	43,100										120
125	50.5	254.7	40,900										125
126	49.8	253.8	40,500	57.7	259.2	37,200							126
130	47.3	250.3	39,000	55.4	256.5	35,700							130
132	45.9	248.3	38,200	54.2	255.1	35,100							132
135	43.9	245.4	37,200	52.4	252.9	34,100							135
140	40.4	239.9	35,500	49.4	248.8	32,500							140
145	36.5	233.6	33,900	46.1	244.3	31,100							145
146	35.7	232.1	33,600	45.4	243.3	30,800							146
147	34.8	230.7	33,400	44.8	242.2	30,600	52.9	248.0	27,800				147
150	32.3	226.3	32,500	42.7	239.2	29,800	51.1	245.6	27,100				150
154	28.5	219.3	31,400	39.8	234.6	28,800	48.6	242.2	26,200				154
155	27.5	217.6	31,100	39.1	233.4	28,500	48.0	241.4	25,900				155
160	21.8	206.7	29,900	35.1	226.8	27,300	44.7	236.6	24,900				160
165	14.0	191.3	28,600	30.7	219.1	26,200	41.2	231.2	23,900				165
168	5.7	174.0	27,900	27.7	213.5	25,600	38.9	227.6	23,300	47.5	234.1	21,000	168
170				25.7	209.7	25,200	37.4	225.1	22,900	46.2	232.2	20,700	170
175				19.4	197.7	24,200	33.3	218.1	22,000	42.8	227.2	19,900	175
180				10.0	178.7	23,200	28.6	209.7	21,200	39.2	221.4	19,100	180
181				6.8	171.9	23,000	27.5	207.7	21,000	38.4	220.1	18,900	181
185							23.1	199.4	20,400	35.2	214.8	18,400	185
190							16.0	185.4	19,600	30.8	207.1	17,700	190
194							6.0	164.8	18,900	26.8	199.7	17,100	194
195										25.8	197.8	17,000	195
200										19.6	185.9	16,300	200
206										7.2	160.7	15,500	206

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ASME B30.5



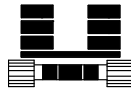
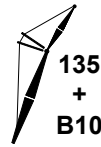
219,600 lb
+
80,000 lb



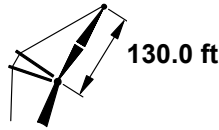
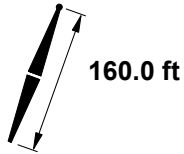
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	75.7	294.0	48,400 c							45
50	73.4	292.6	47,500 b							50
55	71.1	291.0	46,600 b							55
60	68.7	289.2	45,800							60
65	66.3	287.1	44,900							65
69	64.4	285.2	44,400	71.0	289.7	47,200				69
70	63.9	284.8	44,200	70.6	289.3	47,100				70
75	61.4	282.2	43,500	68.2	287.4	46,500				75
80	58.9	279.3	42,700	65.8	285.3	45,900				80
84	56.8	276.8	41,800	63.9	283.4	45,500	67.9	285.8	46,000	84
85	56.3	276.1	41,600	63.4	282.9	45,400	67.4	285.4	45,900	85
90	53.6	272.6	40,100	60.9	280.3	44,800	65.0	283.2	45,500	90
95	50.8	268.8	38,700	58.3	277.4	43,500	62.5	280.7	45,100	95
100	47.9	264.5	36,900	55.7	274.1	42,000	60.0	277.9	44,500	100
105	44.9	259.7	34,900	53.0	270.5	40,500	57.4	274.9	43,100	105
108	42.9	256.5	33,700	51.3	268.1	39,600	55.8	272.9	42,200	108
110	41.6	254.4	32,900	50.2	266.6	39,000	54.8	271.5	41,600	110
115	38.2	248.4	31,200	47.2	262.2	37,600	52.0	267.8	40,200	115
120	34.5	241.6	29,500	44.2	257.3	36,300	49.2	263.7	38,800	120
125	30.4	233.7	27,900	40.9	251.8	35,000	46.2	259.2	37,400	125
130	25.7	224.3	26,500	37.4	245.7	33,800	43.1	254.1	36,100	130
131	24.5	221.9	26,200	36.6	244.3	33,600	42.4	253.0	35,800	131
135	20.0	212.5	25,200	33.6	238.7	32,700	39.7	248.4	34,900	135
140	12.0	195.0	24,300	29.4	230.5	31,600	36.1	242.0	33,700	140
142	6.5	182.7	24,000	27.4	226.6	31,300	34.6	239.1	33,200	142
145				24.5	220.7	30,700	32.2	234.6	32,600	145
150				18.5	208.0	29,900	27.8	226.0	31,600	150
153				13.0	195.9	29,000	24.7	219.6	31,000	153
155				9.4	187.9	28,300	22.6	215.4	30,600	155
156				6.1	180.5	26,500	21.3	212.5	30,500	156
160							15.9	201.1	29,900	160
164							7.1	181.5	28,500	164
165										165
170										170
174										174
175										175
178										178
180										180
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204										204
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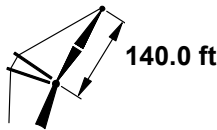
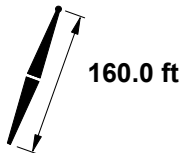
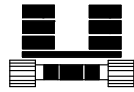
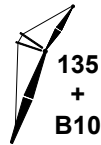
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
105													105
108	62.8	277.8	43,900										108
110	61.8	276.7	43,800										110
115	59.3	273.9	43,500										115
120	56.7	270.8	42,300										120
125	54.0	267.3	40,700										125
130	51.2	263.5	38,700										130
131	50.6	262.7	38,400	57.9	267.8	35,100							131
135	48.3	259.3	36,900	55.8	265.2	33,800							135
140	45.3	254.6	35,300	53.0	261.6	32,300							140
142	44.0	252.5	34,700	51.9	260.1	31,700							142
145	42.1	249.4	33,700	50.2	257.7	30,900							145
150	38.7	243.5	32,300	47.3	253.3	29,500							150
153	36.5	239.5	31,500	45.5	250.4	28,800	52.9	256.0	26,100				153
155	35.1	236.8	31,000	44.2	248.4	28,300	51.8	254.4	25,700				155
156	34.3	235.3	30,700	43.6	247.3	28,100	51.3	253.6	25,500				156
160	31.0	229.1	29,700	41.0	243.0	27,100	49.0	250.3	24,600				160
164	27.3	221.8	28,700	38.2	238.1	26,300	46.6	246.6	23,800				164
165	26.4	220.0	28,500	37.5	236.9	26,000	46.0	245.7	23,600				165
170	20.9	208.6	27,400	33.7	229.9	25,000	42.8	240.6	22,700				170
174	15.0	195.7	26,500	30.3	223.4	24,200	40.2	236.0	22,000	48.0	242.2	19,800	174
175	13.5	192.5	26,300	29.5	221.8	24,000	39.5	234.9	21,800	47.4	241.3	19,600	175
178	5.4	174.5	25,700	26.6	215.9	23,500	37.3	231.0	21,300	45.5	238.3	19,100	178
180				24.6	212.0	23,100	35.9	228.4	21,000	44.3	236.4	18,800	180
190				9.6	179.5	21,400	27.5	212.2	19,400	37.6	224.9	17,400	190
191				6.5	172.5	21,200	26.3	209.7	19,300	36.8	223.4	17,300	191
200							15.4	186.7	18,000	29.6	209.8	16,100	200
204							5.8	165.3	17,400	25.3	200.9	15,700	204
210										18.8	187.6	15,000	210
216										6.9	161.3	14,200	216

MLC250 S-3

ASME B30.5



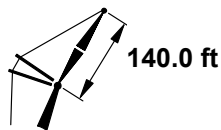
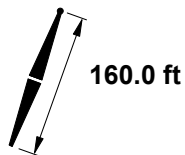
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47	75.9	303.8	45,100 b							47
50	74.6	303.0	44,600 b							50
55	72.5	301.5	43,800							55
60	70.3	299.8	43,000							60
65	68.1	297.9	42,300							65
70	65.9	295.8	41,600							70
73	64.5	294.4	41,200	70.7	298.9	43,600				73
75	63.6	293.5	41,000	69.8	298.1	43,400				75
80	61.3	290.8	39,500	67.6	296.2	42,900				80
85	59.0	288.0	38,000	65.4	294.0	42,400				85
88	57.5	286.1	37,100	64.0	292.6	41,700	67.8	294.9	42,500	88
90	56.6	284.8	36,600	63.1	291.6	41,200	66.9	294.1	42,300	90
95	54.1	281.4	35,100	60.8	288.9	39,700	64.6	291.9	41,900	95
100	51.5	277.6	33,800	58.4	286.0	38,200	62.3	289.4	40,600	100
105	48.8	273.4	32,400	56.0	282.8	36,800	60.0	286.6	39,200	105
110	46.1	268.8	31,100	53.5	279.3	35,400	57.6	283.6	37,800	110
113	44.3	265.8	30,500	51.9	276.9	34,600	56.1	281.6	37,000	113
115	43.1	263.7	30,000	50.9	275.4	34,000	55.2	280.3	36,500	115
120	40.1	258.1	28,600	48.2	271.1	32,800	52.6	276.6	35,000	120
125	36.8	251.8	27,200	45.4	266.4	31,400	50.0	272.6	33,700	125
130	33.2	244.6	25,800	42.5	261.2	30,200	47.3	268.2	32,500	130
135	29.2	236.4	24,500	39.4	255.5	29,000	44.4	263.3	31,200	135
136	28.3	234.4	24,300	38.7	254.2	28,800	43.8	262.3	30,900	136
140	24.7	226.6	23,300	36.0	249.0	28,000	41.4	258.0	30,000	140
145	19.3	214.2	22,400	32.4	241.6	26,900	38.2	252.0	28,900	145
150	11.6	196.0	21,500	28.3	233.1	26,000	34.8	245.2	27,800	150
152	6.3	183.3	21,400	26.4	229.0	25,600	33.3	242.1	27,400	152
155				23.6	222.8	25,100	31.0	237.5	26,800	155
159				19.0	212.3	24,500	27.6	230.2	26,000	159
160				17.8	209.6	24,300	26.8	228.4	25,800	160
165				9.0	188.7	23,800	21.8	217.3	24,900	165
166				5.9	181.0	23,700	20.5	214.3	24,800	166
170							15.4	202.4	24,300	170
174							6.9	182.1	23,900	174
180										180
181										181
188										188
190										190
200										200
201										201
210										210
214										214
220										220
226										226

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



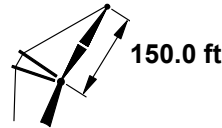
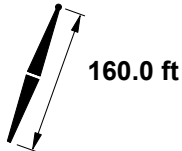
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
88													88
90													90
95													95
100													100
105													105
110													110
113	62.6	286.5	39,800										113
115	61.7	285.4	39,400										115
120	59.3	282.6	38,300										120
125	56.9	279.5	37,100										125
130	54.4	276.0	35,900										130
135	51.9	272.3	34,600										135
136	51.4	271.5	34,400	58.0	276.5	33,100							136
140	49.2	268.2	33,400	56.1	273.9	31,900							140
145	46.5	263.7	32,200	53.6	270.4	30,500							145
150	43.6	258.7	31,000	51.0	266.5	29,100							150
152	42.4	256.4	30,500	49.9	264.8	28,600							152
155	40.5	253.1	29,900	48.3	262.3	27,900							155
159	37.9	248.2	29,000	46.0	258.5	27,000	53.0	264.0	24,400				159
160	37.3	246.9	28,700	45.5	257.6	26,800	52.4	263.2	24,200				160
165	33.7	239.9	27,700	42.5	252.4	25,700	49.8	259.2	23,200				165
166	33.0	238.3	27,500	41.9	251.3	25,500	49.3	258.3	23,000				166
170	29.9	231.9	26,700	39.4	246.7	24,700	47.1	254.8	22,300				170
174	26.0	223.3	26,000	36.6	241.1	23,900	44.7	250.6	21,600				174
180	20.2	210.4	25,000	32.4	232.9	22,800	41.2	244.5	20,600				180
181	18.3	206.0	24,800	31.6	231.0	22,600	40.5	243.2	20,400	47.8	249.3	18,300	181
188	5.2	174.9	23,500	25.5	217.9	21,500	35.9	234.2	19,400	43.8	242.4	17,300	188
190				23.7	214.1	21,100	34.5	231.6	19,000	42.6	240.4	17,000	190
200				9.3	180.4	19,600	26.5	214.6	17,700	36.2	228.2	15,800	200
201				6.3	173.1	19,400	25.3	212.0	17,500	35.4	226.6	15,600	201
210							14.8	188.1	16,400	28.5	212.4	14,600	210
214							5.6	165.8	15,900	24.3	203.1	14,200	214
220										18.1	189.2	13,500	220
226										6.7	161.9	12,900	226

MLC250 S-3

ASME B30.5



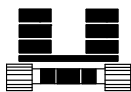
219,600 lb
+
80,000 lb



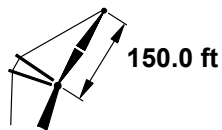
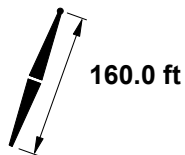
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.7	313.3	41,900 b							50
55	73.7	312.0	41,100							55
60	71.7	310.4	40,400							60
65	69.7	308.6	39,700							65
70	67.6	306.7	39,100							70
75	65.5	304.5	37,800							75
76	65.1	304.0	37,500	70.8	308.4	40,400				76
80	63.4	302.1	36,400	69.2	306.9	40,000				80
85	61.2	299.5	34,900	67.1	304.9	39,200				85
90	59.0	296.6	33,500	65.1	302.7	37,800				90
92	58.1	295.4	33,000	64.2	301.7	37,300	67.7	304.1	39,100	92
95	56.8	293.5	32,200	62.9	300.3	36,400	66.4	302.8	38,500	95
100	54.5	290.1	30,800	60.8	297.6	35,100	64.3	300.6	37,200	100
105	52.1	286.4	29,600	58.6	294.7	33,700	62.2	298.0	35,900	105
110	49.6	282.3	28,300	56.3	291.5	32,400	60.0	295.3	34,600	110
115	47.1	277.8	27,200	54.0	288.0	31,000	57.8	292.3	33,300	115
117	46.0	275.9	26,700	53.0	286.5	30,500	56.9	290.9	32,800	117
120	44.4	273.0	26,000	51.6	284.2	29,700	55.5	289.0	32,000	120
125	41.6	267.6	24,900	49.1	280.0	28,500	53.1	285.4	30,700	125
130	38.6	261.7	23,900	46.5	275.5	27,400	50.7	281.4	29,500	130
135	35.5	255.0	22,900	43.8	270.5	26,200	48.2	277.2	28,300	135
140	32.0	247.6	22,000	41.0	265.1	25,100	45.6	272.5	27,000	140
142	30.5	244.1	21,600	39.8	262.6	24,700	44.5	270.4	26,600	142
145	28.2	238.9	21,100	38.0	259.0	24,000	42.8	267.3	25,900	145
150	23.9	228.7	20,300	34.7	252.2	23,000	39.9	261.7	24,900	150
155	18.6	215.8	19,600	31.2	244.5	22,100	36.9	255.4	23,900	155
160	11.2	197.0	19,000	27.3	235.6	21,200	33.6	248.3	22,900	160
162	6.0	183.8	18,900	25.5	231.3	20,900	32.1	245.0	22,500	162
165				22.8	224.9	20,400	29.9	240.2	21,900	165
170				17.2	211.2	19,700	25.8	230.7	21,100	170
175				8.7	189.5	19,200	21.0	219.2	20,300	175
176				5.7	181.5	19,100	19.8	216.1	20,100	176
180							14.8	203.8	19,600	180
184							6.6	182.7	19,300	184
188										188
190										190
198										198
200										200
210										210
211										211
220										220
224										224
230										230
236										236

MLC250 S-3

ASME B30.5



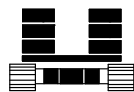
219,600 lb
+
80,000 lb



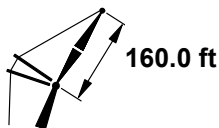
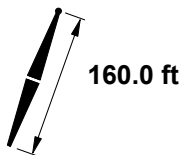
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50													50
55													55
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
92													92
95													95
100													100
105													105
110													110
115													115
117	62.9	295.6	35,500										117
120	61.6	294.1	34,900										120
125	59.4	291.2	33,700										125
130	57.1	288.1	32,600										130
135	54.8	284.8	31,500										135
140	52.5	281.1	30,300										140
142	51.5	279.5	29,800	57.7	284.6	31,200							142
145	50.0	277.1	29,100	56.3	282.6	30,400							145
150	47.5	272.7	28,000	54.0	279.1	29,000							150
155	44.8	267.9	26,800	51.6	275.3	27,800							155
160	42.0	262.6	25,800	49.1	271.2	26,700							160
162	40.9	260.2	25,400	48.1	269.4	26,200							162
165	39.1	256.7	24,700	46.6	266.7	25,600	53.0	272.0	23,100				165
170	36.0	250.2	23,700	43.9	261.7	24,600	50.5	268.0	22,200				170
175	32.6	242.9	22,700	41.0	256.2	23,600	48.0	263.7	21,300				175
176	31.8	241.2	22,500	40.4	255.0	23,500	47.5	262.8	21,200				176
180	28.8	234.5	21,800	38.0	250.2	22,700	45.4	259.0	20,500				180
184	25.1	225.5	21,200	35.3	244.4	22,100	43.1	254.7	19,900				184
188	21.3	216.6	20,500	32.6	238.6	21,400	40.9	250.3	19,300	47.7	256.5	17,200	188
190	19.5	212.2	20,200	31.3	235.7	21,100	39.7	248.1	19,000	46.6	254.6	16,900	190
198	5.1	175.4	19,300	24.6	220.1	19,900	34.6	237.3	17,900	42.2	246.3	15,900	198
200				22.9	216.2	19,600	33.3	234.6	17,600	41.1	244.2	15,700	200
210				9.0	181.2	18,200	25.5	216.9	16,400	34.9	231.4	14,600	210
211				6.1	173.6	18,000	24.4	214.2	16,200	34.1	229.7	14,500	211
220							14.3	189.3	15,200	27.5	214.9	13,500	220
224							5.4	166.3	14,700	23.5	205.2	13,100	224
230										17.5	190.8	12,500	230
236										6.5	162.5	12,000	236

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



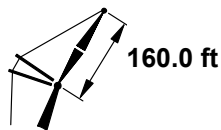
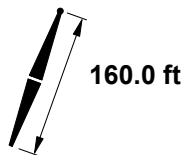
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
52	75.8	323.1	38,700						52	
55	74.7	322.4	38,400						55	
60	72.9	320.9	37,700						60	
65	71.0	319.3	37,100						65	
70	69.1	317.4	35,900						70	
75	67.1	315.4	34,500						75	
79	65.6	313.7	33,400	70.9	317.9	37,100			79	
80	65.2	313.2	33,100	70.6	317.6	37,000			80	
85	63.2	310.8	31,700	68.6	315.7	35,800			85	
90	61.2	308.2	30,400	66.7	313.7	34,400			90	
95	59.1	305.3	29,100	64.7	311.4	33,100	68.0	313.7	34,900	95
100	57.0	302.2	27,800	62.8	309.0	31,800	66.0	311.6	33,700	100
105	54.8	298.8	26,500	60.7	306.3	30,500	64.1	309.2	32,400	105
110	52.6	295.1	25,400	58.6	303.3	29,200	62.1	306.7	31,200	110
115	50.3	291.1	24,200	56.5	300.2	27,900	60.0	303.9	30,000	115
120	48.0	286.8	23,100	54.3	296.7	26,600	57.9	300.9	28,700	120
122	47.0	284.9	22,600	53.4	295.2	26,200	57.1	299.6	28,200	122
125	45.5	282.1	22,000	52.1	293.0	25,400	55.8	297.7	27,500	125
130	42.9	277.0	21,000	49.8	288.9	24,300	53.6	294.1	26,300	130
135	40.2	271.3	20,000	47.4	284.5	23,100	51.3	290.3	25,100	135
140	37.4	265.1	19,000	44.9	279.7	22,000	49.0	286.1	24,000	140
145	34.3	258.2	18,200	42.3	274.5	21,000	46.6	281.6	22,900	145
147	33.0	255.1	17,800	41.2	272.2	20,600	45.6	279.6	22,500	147
150	31.0	250.4	17,300	39.6	268.7	20,000	44.1	276.6	21,800	150
155	27.3	241.4	16,500	36.7	262.4	19,100	41.4	271.2	20,800	155
160	23.1	230.8	15,800	33.6	255.3	18,200	38.6	265.2	19,800	160
165	18.0	217.5	15,000	30.2	247.2	17,400	35.7	258.6	18,900	165
170	10.8	198.0	14,000	26.4	238.0	16,600	32.5	251.2	18,000	170
171	8.3	191.1	13,900	25.6	235.7	16,400	31.8	249.6	17,900	171
172	5.9	184.3	13,800	24.7	233.5	16,300	31.1	247.9	17,700	172
175				22.1	226.9	15,900	29.0	242.8	17,200	175
180				16.7	212.6	14,900	25.0	233.0	16,400	180
186				5.5	182.0	13,900	18.6	216.2	15,300	186
190							14.4	205.1	14,600	190
194							6.4	183.2	14,000	194
200										200
208										208
210										210
220										220
221										221
230										230
234										234
240										240
246										246

MLC250 S-3

ASME B30.5



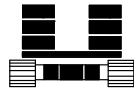
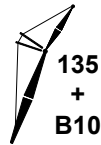
219,600 lb
+
80,000 lb



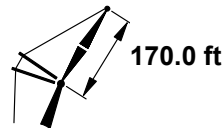
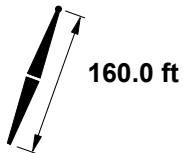
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
65													65
70													70
75													75
79													79
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
122	62.7	304.3	30,900										122
125	61.5	302.7	30,300										125
130	59.4	299.9	29,200										130
135	57.3	296.8	28,200										135
140	55.2	293.5	27,000										140
145	52.9	289.8	25,900										145
147	52.0	288.3	25,400	57.8	293.2	27,600							147
150	50.7	285.9	24,800	56.6	291.3	27,100							150
155	48.3	281.6	23,700	54.4	287.8	26,100							155
160	45.9	277.0	22,600	52.2	284.1	25,200							160
165	43.3	271.9	21,600	49.9	280.1	24,200							165
170	40.6	266.4	20,600	47.5	275.7	23,200							170
171	40.1	265.1	20,400	47.0	274.7	23,000	53.0	280.0	21,600				171
172	39.5	263.9	20,200	46.5	273.8	22,800	52.5	279.2	21,400				172
175	37.8	260.2	19,700	45.0	270.9	22,200	51.2	276.9	20,900				175
180	34.8	253.4	18,700	42.4	265.6	21,300	48.8	272.7	20,100				180
186	30.6	243.6	17,700	39.0	258.4	20,100	45.9	266.9	19,200				186
190	27.9	237.0	17,100	36.8	253.6	19,400	43.9	263.1	18,600				190
194	24.3	227.7	16,400	34.2	247.5	18,700	41.7	258.6	18,100	48.0	264.5	16,000	194
200	18.9	213.9	15,500	30.3	238.5	17,600	38.4	251.7	17,200	45.0	258.8	15,300	200
208	4.9	175.8	14,000	23.8	222.2	16,400	33.5	240.4	16,300	40.8	250.1	14,400	208
210				22.2	218.2	16,100	32.2	237.6	16,000	39.7	247.9	14,200	210
220				8.7	181.9	14,300	24.7	219.1	14,900	33.7	234.5	13,100	220
221				5.9	174.1	14,100	23.6	216.3	14,800	33.0	232.8	13,100	221
230							13.9	190.6	13,800	26.6	217.3	12,200	230
234							5.2	166.7	13,400	22.7	207.3	11,900	234
240										17.0	192.3	11,300	240
246										6.2	163.0	10,800	246

MLC250 S-3

ASME B30.5



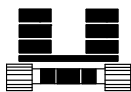
219,600 lb
+
80,000 lb



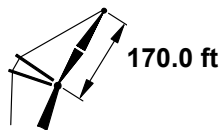
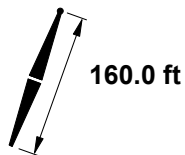
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
54	76.0	333.0	35,900							54
55	75.6	332.7	35,800							55
60	73.9	331.3	35,100							60
65	72.1	329.8	34,500							65
70	70.4	328.1	33,100							70
75	68.6	326.2	31,800							75
80	66.7	324.2	30,500							80
82	66.0	323.3	29,900	71.0	327.5	33,600				82
85	64.9	321.9	29,100	70.0	326.4	32,900				85
90	63.0	319.5	27,900	68.2	324.5	31,600				90
95	61.1	316.8	26,600	66.3	322.4	30,300				95
99	59.5	314.5	25,600	64.8	320.6	29,300	67.9	322.9	31,100	99
100	59.2	314.0	25,400	64.5	320.1	29,000	67.5	322.4	30,800	100
105	57.2	310.9	24,100	62.6	317.6	27,800	65.7	320.3	29,700	105
110	55.1	307.5	23,000	60.7	314.9	26,600	63.8	317.9	28,500	110
115	53.1	303.9	21,900	58.7	312.0	25,400	61.9	315.4	27,300	115
120	50.9	300.0	20,800	56.7	308.9	24,200	60.0	312.6	26,200	120
125	48.7	295.8	19,700	54.7	305.4	23,000	58.0	309.6	25,000	125
126	48.3	294.8	19,500	54.3	304.7	22,800	57.6	308.9	24,800	126
130	46.4	291.2	18,700	52.6	301.8	21,900	56.0	306.3	23,800	130
135	44.1	286.2	17,800	50.4	297.8	20,800	54.0	302.8	22,700	135
140	41.6	280.8	16,900	48.2	293.5	19,800	51.9	299.1	21,600	140
145	39.0	274.9	16,100	45.9	288.8	18,800	49.7	295.0	20,500	145
150	36.2	268.4	15,200	43.5	283.8	17,900	47.4	290.6	19,500	150
152	35.0	265.4	14,900	42.5	281.5	17,500	46.5	288.6	19,100	152
160	30.0	253.1	13,400	38.4	272.3	16,100	42.7	280.6	17,600	160
170	22.4	232.8	11,700	32.6	258.2	14,400	37.4	268.7	15,900	170
177	14.0	209.1	10,600	27.7	245.7	13,100	33.3	258.5	14,600	177
180	10.5	198.9	10,100	25.6	240.3	12,500	31.5	254.1	14,100	180
182	5.7	184.8	9,900	23.7	235.0	12,100	30.0	250.3	13,700	182
190				16.2	214.1	10,800	24.3	235.2	12,300	190
196				5.3	182.5	9,900	18.1	217.8	11,200	196
200							13.9	206.3	10,600	200
201							12.0	200.7	10,400	201
204							6.2	183.8	10,100	204
210										210
218										218
220										220
230										230
231										231
240										240
244										244
250										250
256										256

MLC250 S-3

ASME B30.5



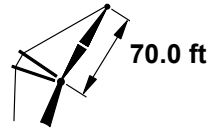
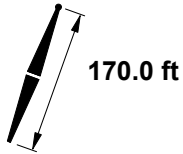
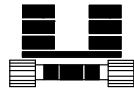
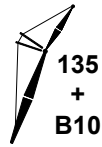
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
54													54
55													55
60													60
65													65
70													70
75													75
80													80
82													82
85													85
90													90
95													95
99													99
100													100
105													105
110													110
115													115
120													120
125													125
126	62.9	313.5	27,300										126
130	61.4	311.4	26,500										130
135	59.5	308.6	25,500										135
140	57.5	305.5	24,400										140
145	55.5	302.2	23,400										145
150	53.4	298.6	22,300										150
152	52.5	297.0	21,900	58.0	301.9	24,100							152
160	49.1	290.6	20,300	54.7	296.6	22,600							160
170	44.4	281.1	18,300	50.5	288.9	20,800							170
177	40.9	273.3	17,100	47.3	282.7	19,500	53.0	288.0	20,300				177
180	39.4	270.0	16,500	46.0	280.0	18,900	51.7	285.7	19,800				180
182	38.2	267.3	16,200	45.0	277.9	18,600	50.8	284.0	19,500				182
190	33.7	256.5	14,900	41.1	269.5	17,100	47.3	277.1	18,300				190
196	29.7	246.3	13,700	37.8	261.9	16,100	44.4	271.1	17,500				196
200	27.0	239.4	12,900	35.6	256.8	15,400	42.5	267.1	17,000				200
201	26.2	237.0	12,700	35.0	255.2	15,300	42.0	265.9	16,900	47.9	271.7	14,900	201
204	23.5	229.9	12,200	33.1	250.5	14,700	40.4	262.3	16,500	46.5	268.8	14,600	204
210	18.3	215.5	11,200	29.4	241.1	13,700	37.2	255.1	15,800	43.6	262.9	13,900	210
218	4.8	176.2	10,000	23.1	224.3	12,200	32.4	243.4	14,600	39.5	253.7	13,100	218
220				21.5	220.1	11,800	31.3	240.4	14,300	38.5	251.4	12,900	220
230				8.4	182.7	10,300	24.0	221.3	12,300	32.7	237.5	12,000	230
231				5.7	174.6	10,100	22.9	218.3	12,200	32.0	235.7	11,900	231
240							13.4	191.8	10,700	25.8	219.6	11,100	240
244							5.0	167.2	10,100	22.1	209.3	10,800	244
250										16.4	193.7	10,300	250
256										6.1	163.6	9,800	256

MLC250 S-3

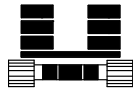
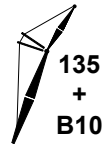
ASME B30.5



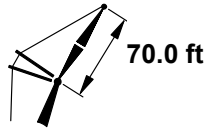
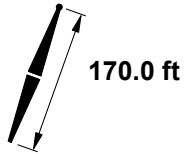
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	71.8	244.5	91,900 d							35
40	67.5	242.7	91,500 c							40
45	63.0	240.4	91,000 c							45
50	58.3	237.5	90,500 b							50
51	57.3	236.9	89,600 b	70.8	242.7	94,400 d				51
55	53.3	234.1	85,800 b	67.3	241.2	94,400 c				55
60	48.0	230.0	78,900 b	62.8	238.9	94,400 c				60
63	44.6	227.1	75,200 b	59.9	237.2	92,200 c	68.0	240.1	94,700 c	63
65	42.3	225.1	72,600	58.0	236.0	90,700 b	66.2	239.3	94,700 c	65
70	35.7	218.9	66,900	53.1	232.6	85,400 b	61.6	236.8	90,000 c	70
75	28.0	210.8	62,000	47.8	228.5	80,500	56.9	233.8	83,600 b	75
80	17.3	198.9	55,900	42.0	223.5	76,100	51.8	230.2	77,200 b	80
83	4.1	183.0	44,200	38.0	219.7	73,700	48.6	227.6	73,900 b	83
85				35.4	217.2	72,100	46.4	225.9	71,700	85
90				27.6	209.0	68,300	40.5	220.6	66,900	90
95				16.7	196.8	59,000	33.7	214.0	62,600	95
97				9.5	188.1	51,800	30.3	210.5	61,100	97
100							25.3	205.2	58,800	100
103							17.8	196.5	56,700	103
105							12.8	190.7	55,300	105
106							8.3	185.3	52,900	106
110										110
115										115
120										120
121										121
125										125
130										130
135										135
139										139
140										140
145										145
148										148
150										150
155										155
160										160
161										161

MLC250 S-3

ASME B30.5



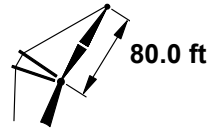
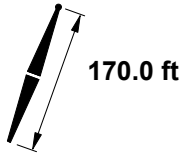
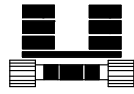
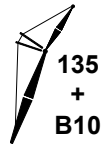
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35													35
40													40
45													45
50													50
51													51
55													55
60													60
63													63
65													65
70													70
75													75
80													80
83	63.0	234.2	68,300 c										83
85	61.1	233.1	66,400 c										85
90	56.3	230.1	61,900 b										90
95	51.2	226.4	57,900 b										95
97	49.1	224.6	56,500 b										97
100	45.8	222.0	54,400										100
103	42.2	218.7	52,500	57.4	226.1	48,300 b							103
105	39.7	216.6	51,300	55.4	224.8	47,100 b							105
106	38.4	215.2	50,700	54.4	224.0	46,600 b							106
110	32.8	209.8	48,400	50.3	221.0	44,500 b							110
115	24.2	200.6	45,800	44.7	216.4	42,100							115
120	10.5	184.6	43,300	38.6	210.8	40,000							120
121	4.0	176.7	42,800	37.1	209.4	39,600	53.0	217.2	36,100 b				121
125				31.4	203.6	37,900	48.8	214.0	34,700 b				125
130				22.4	193.8	36,100	43.1	209.1	33,000				130
135				4.9	173.2	34,200	36.7	203.2	31,500				135
139							30.7	197.0	30,300	47.8	206.1	27,500 b	139
140							29.2	195.4	30,000	46.7	205.2	27,200	140
145							19.2	184.3	28,600	40.7	200.0	26,000	145
148							9.1	172.4	27,800	36.7	196.0	25,300	148
150										34.0	193.4	24,900	150
155										25.8	184.7	23,800	155
160										13.6	170.7	22,700	160
161										9.4	165.8	22,500	161

MLC250 S-3

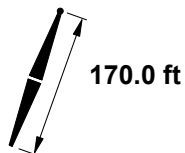
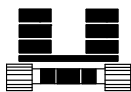
ASME B30.5



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.7	255.5	84,700 d						33	
35	74.2	255.0	84,500 d						35	
40	70.4	253.4	84,100 c						40	
45	66.6	251.4	83,600 c						45	
50	62.6	249.0	83,100 b						50	
54	59.3	246.8	81,700 b	71.0	252.3	86,400 c			54	
55	58.5	246.2	81,400 b	70.2	251.9	86,400 c			55	
60	54.2	242.9	75,400 b	66.4	249.9	86,400 c			60	
65	49.6	239.0	69,700	62.4	247.5	86,400 b			65	
67	47.7	237.1	67,600	60.8	246.4	84,900 b	67.8	249.3	86,500 c	67
70	44.8	234.3	64,500	58.3	244.7	82,600 b	65.4	248.0	86,500 c	70
75	39.4	228.8	59,600	54.0	241.3	78,200	61.4	245.5	82,100 b	75
80	33.4	222.0	55,200	49.4	237.4	74,000	57.3	242.5	76,900 b	80
85	26.1	213.2	51,400	44.5	232.7	70,200	52.9	239.0	71,400	85
88	20.2	205.5	49,600	41.3	229.4	68,100	50.1	236.5	68,500	88
90	16.2	200.3	48,400	39.1	227.1	66,700	48.3	234.9	66,600	90
93	3.9	183.4	38,700	35.5	223.0	64,700	45.3	232.0	64,100	93
95				33.1	220.3	63,400	43.3	230.0	62,400	95
100				25.8	211.4	58,400	37.7	224.2	58,600	100
105				15.6	198.2	51,200	31.4	216.9	55,200	105
107				8.8	188.9	45,200	28.3	213.1	53,900	107
108							26.8	211.2	53,300	108
110							23.7	207.3	52,100	110
115							12.0	191.8	49,200	115
116							7.8	186.0	46,300	116
120										120
125										125
127										127
130										130
131										131
135										135
140										140
145										145
146										146
150										150
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170										170
171										171

MLC250 S-3

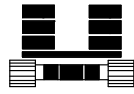
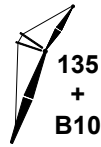
ASME B30.5



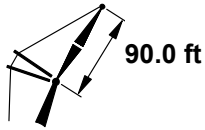
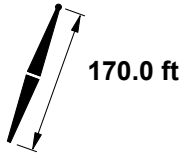
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
35													35
40													40
45													45
50													50
54													54
55													55
60													60
65													65
67													67
70													70
75													75
80													80
85													85
88	62.6	242.8	63,200 b										88
90	61.0	241.8	61,500 b										90
93	58.5	239.9	59,100 b										93
95	56.8	238.7	57,600 b										95
100	52.4	235.2	54,100										100
105	47.7	231.0	50,900										105
107	45.7	229.0	49,800										107
108	44.7	228.0	49,200	57.7	234.8	45,100 b							108
110	42.7	226.0	48,100	56.0	233.5	44,100 b							110
115	37.1	220.0	45,500	51.6	229.8	41,700							115
116	35.8	218.5	45,000	50.6	229.0	41,300							116
120	30.6	212.6	43,200	46.8	225.5	39,600							120
125	22.7	202.6	41,000	41.7	220.4	37,600							125
127	17.5	195.8	40,200	39.4	217.9	36,900	53.0	225.2	33,600				127
130	9.8	185.5	38,900	36.0	214.2	35,800	50.3	222.8	32,600				130
131	3.8	177.1	38,500	34.6	212.6	35,400	49.3	221.9	32,300				131
135				29.3	206.4	34,100	45.5	218.3	31,100				135
140				20.9	195.7	32,500	40.2	212.9	29,600				140
145				4.6	173.6	30,900	34.3	206.3	28,300				145
146							32.9	204.7	28,100	47.5	213.3	25,400	146
150							27.3	197.9	27,100	43.5	209.3	24,500	150
155							17.9	185.9	25,900	38.0	203.5	23,400	155
158							8.5	173.2	25,100	34.2	199.2	22,800	158
160										31.7	196.3	22,400	160
165										24.1	186.9	21,500	165
170										12.7	171.8	20,500	170
171										8.8	166.6	20,300	171

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



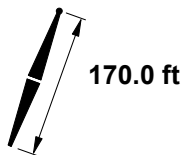
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	76.0	265.3	77,600 d						35	
40	72.7	263.9	77,100 c						40	
45	69.3	262.2	76,700 c						45	
50	65.9	260.1	76,200 b						50	
55	62.3	257.7	73,700 b						55	
58	60.1	256.0	72,100 b	70.5	261.5	78,800 c			58	
60	58.7	254.9	71,000 b	69.1	260.7	78,800 c			60	
65	54.9	251.6	66,600	65.7	258.7	78,000 b			65	
70	50.9	247.8	61,900	62.2	256.2	75,300 b			70	
71	50.0	246.9	61,000	61.4	255.6	74,800 b	67.6	258.4	78,700 b	71
75	46.6	243.4	57,400	58.5	253.4	72,700	64.8	256.7	77,300 b	75
80	42.1	238.3	53,300	54.7	250.1	70,300	61.3	254.1	74,900 b	80
85	37.1	232.2	49,600	50.7	246.3	67,900	57.6	251.2	71,200	85
90	31.4	224.9	46,100	46.4	241.8	65,700	53.7	247.8	66,400	90
92	28.7	221.1	45,000	44.6	239.8	64,500	52.1	246.2	64,700	92
95	24.6	215.5	43,200	41.8	236.7	62,600	49.7	243.8	62,200	95
100	15.3	201.7	40,800	36.8	230.6	58,300	45.3	239.2	58,400	100
103	3.6	183.7	34,700	33.4	226.1	55,700	42.5	236.0	56,400	103
105				31.1	223.2	54,000	40.7	233.9	55,100	105
110				24.3	213.6	50,100	35.5	227.5	52,000	110
113				18.5	205.2	47,400	32.0	222.8	50,300	113
115				14.7	199.5	45,600	29.6	219.7	49,200	115
117				8.3	189.7	40,500	26.7	215.5	48,200	117
120							22.3	209.4	46,700	120
125							11.3	192.8	44,300	125
126							7.3	186.7	41,500	126
130										130
133										133
135										135
140										140
141										141
145										145
150										150
153										153
155										155
160										160
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181										181

MLC250 S-3

ASME B30.5



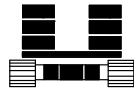
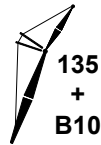
219,600 lb
+
80,000 lb



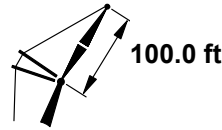
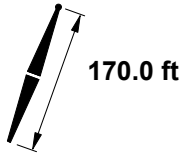
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
55													55
58													58
60													60
65													65
70													70
71													71
75													75
80													80
85													85
90													90
92	63.0	252.0	59,600 b										92
95	60.9	250.4	57,300 b										95
100	57.1	247.4	53,800										100
103	54.8	245.3	52,000										103
105	53.3	243.9	50,700										105
110	49.2	239.9	47,900										110
113	46.6	237.1	46,400	58.0	243.5	42,400							113
115	44.8	235.3	45,300	56.5	242.2	41,500							115
117	42.9	233.1	44,400	54.9	240.7	40,600							117
120	40.1	229.8	43,000	52.5	238.6	39,400							120
125	34.9	223.3	40,900	48.4	234.5	37,400							125
126	33.7	221.7	40,500	47.5	233.5	37,000							126
130	28.9	215.2	38,900	44.0	229.7	35,600							130
133	24.3	208.8	37,800	41.1	226.3	34,600	53.0	233.2	31,400				133
135	21.3	204.6	37,100	39.2	224.1	33,900	51.4	231.7	30,800				135
140	9.3	186.3	35,300	33.9	217.3	32,400	47.2	227.4	29,400				140
141	3.6	177.4	34,900	32.6	215.6	32,100	46.3	226.4	29,200				141
145				27.6	208.9	30,900	42.7	222.4	28,100				145
150				19.7	197.5	29,600	37.8	216.5	26,900				150
153				10.5	183.4	28,800	34.5	212.2	26,200	47.3	220.4	23,600	153
155				4.3	174.0	28,200	32.3	209.3	25,700	45.5	218.5	23,200	155
160							25.7	200.3	24,600	40.9	213.2	22,200	160
165							16.9	187.5	23,600	35.7	206.9	21,300	165
168							8.0	173.9	23,000	32.2	202.2	20,800	168
170										29.9	199.1	20,400	170
175										22.7	189.0	19,600	175
180										11.9	172.9	18,700	180
181										8.3	167.3	18,600	181

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ASME B30.5



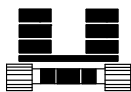
219,600 lb
+
80,000 lb



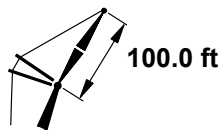
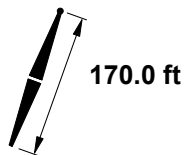
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	75.6	274.9	71,400 d							38
40	74.4	274.3	71,300 c							40
45	71.5	272.8	70,700 c							45
50	68.4	271.0	70,300 b							50
55	65.3	268.8	68,700 b							55
60	62.1	266.4	66,100 b							60
61	61.4	265.8	65,500 b	70.7	271.0	72,200 c				61
65	58.8	263.5	63,100	68.3	269.5	72,200 b				65
70	55.4	260.3	59,000	65.1	267.4	69,900 b				70
75	51.8	256.6	55,100	61.9	264.9	67,400	67.5	267.6	71,500 b	75
80	48.1	252.4	51,400	58.6	262.0	64,900	64.4	265.4	69,200 b	80
85	44.1	247.6	48,000	55.2	258.8	62,600	61.1	262.8	67,000	85
90	39.8	242.0	44,700	51.7	255.1	60,400	57.8	259.8	64,700	90
95	35.1	235.5	41,700	47.9	250.8	58,200	54.4	256.5	61,900	95
97	33.0	232.3	40,700	46.3	248.9	57,400	52.9	254.9	60,400	97
100	29.8	227.6	39,100	43.9	246.0	56,200	50.8	252.7	58,100	100
105	23.3	217.6	36,700	39.6	240.4	53,700	47.0	248.3	54,700	105
110	14.5	203.0	34,800	34.9	233.8	49,900	42.9	243.3	51,700	110
113	3.5	184.0	31,000	31.6	229.0	47,800	40.3	239.8	50,100	113
115				29.5	225.9	46,500	38.5	237.5	49,000	115
119				24.3	217.7	44,100	34.6	232.0	46,900	119
120				23.0	215.7	43,500	33.6	230.6	46,400	120
125				14.0	200.8	40,700	28.0	222.2	44,100	125
127				7.9	190.4	36,300	25.3	217.8	43,300	127
130							21.2	211.3	42,000	130
135							10.7	193.8	39,900	135
136							7.0	187.3	37,300	136
140										140
145										145
150										150
151										151
155										155
159										159
160										160
165										165
170										170
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191										191

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ASME B30.5



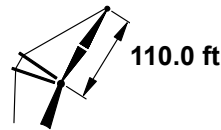
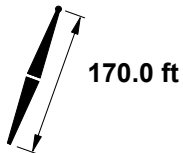
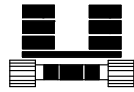
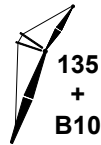
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
38													38
40													40
45													45
50													50
55													55
60													60
61													61
65													65
70													70
75													75
80													80
85													85
90													90
95													95
97	62.7	260.7	55,500										97
100	60.8	259.1	53,400										100
105	57.4	256.1	50,300										105
110	54.0	252.7	47,500										110
113	51.8	250.3	46,000										113
115	50.3	248.8	45,000										115
119	47.3	245.2	43,100	57.5	251.5	39,300							119
120	46.5	244.4	42,700	56.8	250.9	38,900							120
125	42.4	239.3	40,600	53.3	247.4	37,000							125
127	40.6	236.9	39,800	51.8	245.8	36,300							127
130	38.0	233.3	38,600	49.7	243.4	35,200							130
135	33.0	226.3	36,800	45.8	238.8	33,600							135
136	31.9	224.6	36,500	45.0	237.8	33,300							136
140	27.3	217.7	35,100	41.6	233.6	32,000	52.3	240.5	29,000				140
145	20.2	206.4	33,600	37.1	227.5	30,600	48.6	236.3	27,700				145
150	8.8	187.1	32,000	32.1	220.3	29,300	44.7	231.6	26,500				150
151	3.4	177.7	31,700	30.9	218.5	29,000	43.8	230.5	26,300				151
155				26.2	211.3	28,000	40.4	226.2	25,400				155
159				20.2	201.6	27,100	36.7	221.1	24,500	47.9	228.5	22,000	159
160				18.7	199.2	26,800	35.8	219.8	24,300	47.1	227.6	21,800	160
165				4.1	174.3	25,700	30.6	212.1	23,300	43.1	222.6	20,900	165
170							24.3	202.5	22,300	38.7	216.8	20,000	170
175							16.0	188.9	21,400	33.9	210.0	19,200	175
178							7.6	174.6	20,900	30.5	205.0	18,800	178
180										28.3	201.7	18,400	180
185										21.5	190.9	17,700	185
190										11.3	173.9	17,000	190
191										7.9	168.0	16,800	191

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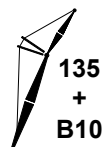
ASME B30.5



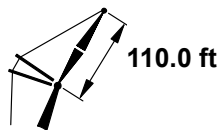
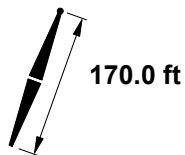
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	75.9	284.7	54,700 c							40
45	73.2	283.3	53,500 c							45
50	70.4	281.7	52,300 b							50
55	67.7	279.7	51,300 b							55
60	64.8	277.5	50,200 b							60
64	62.5	275.5	49,400 b	70.9	280.6	53,500 b				64
65	61.9	275.0	49,200	70.3	280.2	53,400 b				65
70	58.9	272.2	48,200	67.5	278.3	52,600 b				70
75	55.8	269.0	47,200	64.7	276.1	51,900				75
78	53.9	266.8	46,700	62.9	274.6	51,400	68.0	277.2	52,500 b	78
80	52.6	265.4	46,300	61.8	273.6	51,000	66.8	276.3	52,200 b	80
85	49.2	261.3	45,500	58.8	270.7	50,300	64.0	274.1	51,700	85
90	45.7	256.7	43,000	55.7	267.5	49,500	61.0	271.5	51,200	90
95	41.9	251.5	40,400	52.4	263.8	48,800	58.0	268.5	50,600	95
100	37.9	245.6	37,900	49.1	259.8	48,000	54.9	265.2	50,000	100
102	36.1	242.8	37,000	47.7	257.9	47,700	53.6	263.7	49,700	102
105	33.4	238.6	35,600	45.5	255.2	47,200	51.6	261.5	49,300	105
110	28.3	230.2	33,600	41.8	249.9	46,500	48.2	257.3	48,700	110
115	22.2	219.6	31,700	37.7	243.9	45,400	44.6	252.5	48,100	115
120	13.8	204.3	30,400	33.2	236.9	44,200	40.8	247.1	46,500	120
123	3.3	184.3	27,900	30.1	231.8	43,200	38.3	243.4	45,100	123
124				29.1	230.1	42,900	37.5	242.1	44,600	124
125				28.1	228.4	42,500	36.6	240.9	44,200	125
130				21.9	217.7	39,900	32.0	233.5	42,100	130
135				13.3	202.0	36,900	26.7	224.7	40,100	135
137				7.5	191.1	32,900	24.1	220.0	39,400	137
140							20.2	213.1	38,300	140
145							10.2	194.7	36,400	145
146							6.6	187.9	33,900	146
150										150
155										155
160										160
161										161
165										165
166										166
170										170
175										175
180										180
185										185
188										188
190										190
195										195
200										200
201										201

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ASME B30.5



219,600 lb
+
80,000 lb



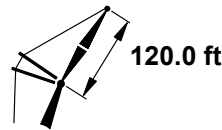
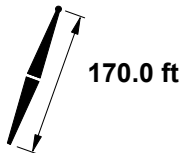
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
60													60
64													64
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95													95
100													100
102	62.5	269.4	50,300										102
105	60.7	267.7	50,200										105
110	57.7	264.8	47,500										110
115	54.5	261.4	45,000										115
120	51.3	257.6	42,600										120
123	49.2	255.1	41,400										123
124	48.5	254.2	41,000	57.7	260.2	37,300							124
125	47.8	253.4	40,500	57.1	259.5	37,000							125
130	44.2	248.5	38,600	53.9	256.1	35,200							130
135	40.4	243.0	36,800	50.7	252.2	33,500							135
137	38.7	240.5	36,200	49.3	250.5	32,900							137
140	36.2	236.7	35,200	47.2	247.9	32,000							140
145	31.5	229.2	33,600	43.5	242.9	30,600							145
146	30.4	227.4	33,300	42.8	241.8	30,400	52.4	248.5	27,400				146
150	26.1	220.1	32,200	39.6	237.3	29,300	49.7	245.2	26,500				150
155	19.3	208.1	30,800	35.3	230.8	28,100	46.2	240.7	25,300				155
160	8.4	187.8	29,500	30.5	223.1	26,900	42.5	235.6	24,300				160
161	3.2	178.0	29,200	29.4	221.1	26,700	41.7	234.4	24,100				161
165				24.9	213.5	25,800	38.5	229.7	23,300				165
166				23.5	211.0	25,600	37.6	228.4	23,100	47.7	235.6	20,700	166
170				17.8	200.8	24,800	34.1	222.9	22,400	44.8	231.8	20,000	170
175				3.9	174.7	23,700	29.1	214.8	21,500	41.0	226.4	19,200	175
180							23.2	204.6	20,700	36.8	220.2	18,500	180
185							15.3	190.3	19,800	32.2	213.0	17,800	185
188							7.3	175.2	19,300	29.1	207.7	17,300	188
190										27.0	204.1	17,100	190
195										20.5	192.8	16,400	195
200										10.8	174.9	15,700	200
201										7.5	168.7	15,600	201

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ASME B30.5



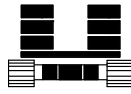
219,600 lb
+
80,000 lb



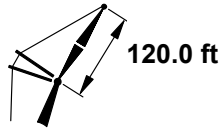
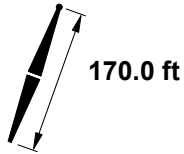
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	75.6	294.2	51,000 c							43
45	74.6	293.7	50,600 c							45
50	72.1	292.2	49,600 b							50
55	69.6	290.5	48,600 b							55
60	67.0	288.5	47,700 b							60
65	64.4	286.2	46,900							65
67	63.3	285.2	46,500	71.0	290.1	50,000 b				67
70	61.7	283.7	46,000	69.5	289.0	49,600 b				70
75	59.0	280.9	45,100	66.9	287.0	48,900				75
80	56.2	277.7	44,400	64.3	284.8	48,300				80
82	55.0	276.3	44,100	63.2	283.7	48,000	67.8	286.3	48,700	82
85	53.2	274.1	43,600	61.6	282.2	47,700	66.3	285.1	48,500	85
90	50.2	270.2	41,300	58.9	279.4	47,000	63.7	282.7	48,100	90
95	47.0	265.8	38,900	56.0	276.2	46,400	61.0	280.1	47,700	95
100	43.7	260.8	36,600	53.1	272.6	45,800	58.2	277.2	47,200	100
105	40.1	255.3	34,600	50.1	268.6	44,300	55.3	273.9	46,700	105
106	39.3	254.0	34,200	49.4	267.8	44,000	54.7	273.2	46,500	106
110	36.2	248.9	32,500	46.9	264.2	42,700	52.4	270.3	45,800	110
115	32.0	241.5	30,700	43.5	259.2	41,200	49.3	266.2	44,200	115
120	27.1	232.7	29,100	39.9	253.6	39,900	46.1	261.6	42,600	120
125	21.3	221.6	27,600	36.0	247.2	38,600	42.7	256.5	41,200	125
129	14.8	208.7	26,700	32.6	241.3	37,600	39.7	251.9	40,100	129
130	13.2	205.5	26,500	31.7	239.8	37,400	39.0	250.7	39,900	130
133	3.2	184.6	25,200	28.8	234.4	36,700	36.6	246.7	39,100	133
135				26.9	230.9	36,300	35.0	244.1	38,500	135
140				21.0	219.6	35,000	30.6	236.3	37,400	140
145				12.7	203.1	33,000	25.6	227.0	36,400	145
147				7.2	191.7	29,800	23.0	222.1	35,700	147
150							19.3	214.9	34,800	150
152							15.5	207.1	33,900	152
155							9.8	195.6	32,600	155
156							6.4	188.5	30,800	156
160										160
165										165
170										170
171										171
173										173
180										180
185										185
190										190
198										198
200										200
210										210
211										211

MLC250 S-3

ASME B30.5



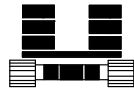
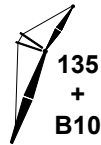
219,600 lb
+
80,000 lb



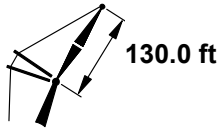
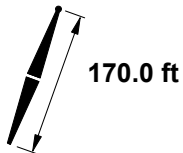
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
55													55
60													60
65													65
67													67
70													70
75													75
80													80
82													82
85													85
90													90
95													95
100													100
105													105
106	62.8	278.6	46,600										106
110	60.6	276.4	46,600										110
115	57.9	273.4	44,600										115
120	55.0	270.1	42,300										120
125	52.0	266.4	40,200										125
129	49.6	263.1	38,600	57.9	268.8	35,100							129
130	48.9	262.3	38,200	57.4	268.2	34,800							130
133	47.0	259.5	37,200	55.6	266.2	33,800							133
135	45.7	257.7	36,500	54.5	264.8	33,100							135
140	42.3	252.5	34,800	51.5	261.0	31,600							140
145	38.6	246.6	33,300	48.4	256.8	30,200							145
147	37.0	243.9	32,700	47.0	254.9	29,700							147
150	34.6	239.9	31,900	45.1	252.1	28,900							150
152	32.8	236.7	31,300	43.7	250.0	28,400	52.5	256.5	25,600				152
155	30.1	232.0	30,500	41.6	246.8	27,700	50.6	254.1	24,900				155
156	29.1	230.1	30,300	40.9	245.6	27,500	50.0	253.2	24,700				156
160	24.9	222.4	29,300	37.9	240.8	26,600	47.5	249.7	23,900				160
165	18.5	209.8	28,100	33.8	233.9	25,500	44.1	244.9	22,900				165
170	8.0	188.5	27,000	29.2	225.7	24,500	40.6	239.4	22,000				170
171	3.1	178.2	26,700	28.0	223.4	24,300	39.8	238.0	21,800				171
173				25.6	218.7	23,900	38.2	235.3	21,500	47.5	242.8	19,100	173
180				17.0	202.3	22,600	32.6	225.9	20,300	42.8	235.8	18,100	180
185				3.8	175.0	21,700	27.8	217.3	19,500	39.2	230.1	17,400	185
190							22.2	206.6	18,800	35.2	223.5	16,700	190
198							7.0	175.8	17,600	27.7	209.9	15,700	198
200										25.8	206.5	15,400	200
210										10.3	175.8	14,200	210
211										7.2	169.3	14,100	211

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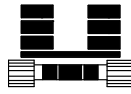
219,600 lb
+
80,000 lb



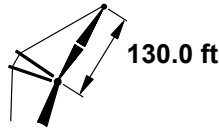
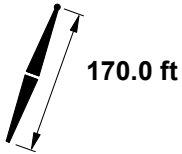
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	75.8	304.1	47,700 b							45
50	73.6	302.7	46,800 b							50
55	71.2	301.1	45,900							55
60	68.9	299.3	45,100							60
65	66.5	297.2	44,400							65
70	64.1	294.9	43,600							70
71	63.6	294.4	43,500	70.7	299.3	46,400				71
75	61.6	292.4	42,900	68.8	297.8	45,900				75
80	59.1	289.5	42,200	66.4	295.8	45,400				80
85	56.5	286.4	41,500	64.0	293.5	44,900				85
86	55.9	285.7	41,100	63.5	292.9	44,800	67.7	295.5	45,300	86
90	53.8	282.9	39,500	61.5	290.9	44,300	65.8	293.8	45,000	90
95	51.0	279.0	37,400	59.0	288.0	43,700	63.4	291.4	44,600	95
100	48.1	274.8	35,300	56.3	284.9	42,200	60.9	288.8	44,300	100
105	45.1	270.0	33,400	53.7	281.4	40,700	58.3	285.8	43,400	105
110	41.9	264.8	31,600	50.9	277.5	39,300	55.7	282.6	42,000	110
111	41.2	263.6	31,300	50.3	276.6	39,000	55.2	281.9	41,700	111
115	38.4	258.8	29,900	48.0	273.2	37,900	53.0	279.0	40,600	115
120	34.8	252.1	28,300	44.9	268.4	36,600	50.2	275.0	39,200	120
125	30.7	244.3	26,800	41.7	263.1	35,400	47.2	270.7	37,900	125
130	26.0	235.0	25,500	38.3	257.2	34,100	44.2	265.8	36,500	130
135	20.4	223.4	24,300	34.6	250.4	33,000	40.9	260.3	35,300	135
140	12.7	206.6	23,400	30.5	242.6	31,900	37.4	254.2	34,100	140
143	3.0	184.9	22,900	27.7	237.0	31,300	35.1	250.0	33,400	143
145				25.8	233.2	30,900	33.6	247.2	33,000	145
150				20.1	221.4	30,200	29.4	239.0	31,900	150
155				12.2	204.2	29,300	24.5	229.2	31,000	155
157				6.9	192.3	27,100	22.1	224.1	30,700	157
158							20.9	221.6	30,500	158
160							18.5	216.5	30,200	160
165							9.4	196.4	29,100	165
166							6.1	189.0	28,100	166
170										170
175										175
179										179
180										180
181										181
190										190
195										195
200										200
208										208
210										210
220										220
221										221

MLC250 S-3

ASME B30.5



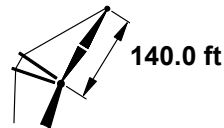
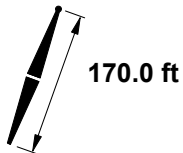
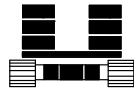
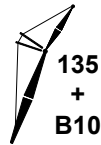
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45													45
50													50
55													55
60													60
65													65
70													70
71													71
75													75
80													80
85													85
86													86
90													90
95													95
100													100
105													105
110													110
111	62.6	287.2	43,100										111
115	60.6	285.1	43,100										115
120	58.0	282.1	42,000										120
125	55.4	278.8	39,900										125
130	52.7	275.2	38,000										130
135	49.9	271.2	36,200	57.6	276.9	32,900							135
140	46.9	266.7	34,600	54.9	273.5	31,400							140
143	45.0	263.8	33,700	53.3	271.3	30,500							143
145	43.8	261.8	33,100	52.2	269.8	30,000							145
150	40.5	256.3	31,700	49.3	265.7	28,700							150
155	37.0	250.0	30,400	46.3	261.2	27,500							155
157	35.5	247.2	29,900	45.1	259.2	27,000							157
158	34.7	245.8	29,600	44.5	258.2	26,800	52.5	264.5	24,000				158
160	33.2	242.9	29,100	43.2	256.2	26,300	51.4	262.9	23,600				160
165	28.9	234.6	28,000	39.9	250.5	25,300	48.5	258.7	22,700				165
166	27.9	232.6	27,700	39.2	249.3	25,100	47.9	257.8	22,500				166
170	23.9	224.5	26,900	36.3	244.2	24,300	45.5	254.0	21,800				170
175	17.7	211.4	25,800	32.4	236.9	23,300	42.3	248.8	20,900				175
179	9.7	193.7	25,000	28.9	230.0	22,600	39.6	244.2	20,300	48.0	250.8	17,900	179
180	7.7	189.2	24,800	28.0	228.3	22,500	38.9	243.0	20,100	47.4	249.9	17,800	180
181	3.0	178.5	24,600	26.9	225.8	22,300	38.2	241.6	19,900	46.7	248.9	17,700	181
190				16.4	203.8	20,800	31.3	228.8	18,600	41.0	239.6	16,400	190
195				3.6	175.3	19,900	26.7	219.8	17,900	37.6	233.5	15,800	195
200							21.3	208.5	17,200	33.8	226.6	15,200	200
208							6.7	176.4	16,200	26.6	212.3	14,300	208
210										24.8	208.7	14,100	210
220										9.9	176.7	13,000	220
221										6.9	170.0	12,900	221

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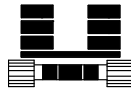
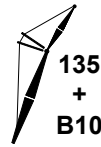
ASME B30.5



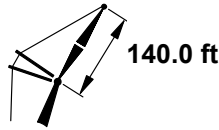
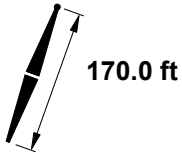
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
47	76.0	313.9	44,500 b						47	
50	74.8	313.1	44,000 b						50	
55	72.6	311.6	43,200						55	
60	70.5	309.9	42,500						60	
65	68.3	308.1	41,700						65	
70	66.1	306.0	41,100						70	
74	64.3	304.1	40,500	70.8	308.9	43,000			74	
75	63.8	303.6	40,400	70.4	308.5	42,900			75	
80	61.5	301.0	39,400	68.2	306.6	42,400			80	
85	59.1	298.2	37,900	66.0	304.5	41,900			85	
90	56.7	295.0	36,500	63.7	302.1	41,300	67.6	304.7	41,700	90
95	54.2	291.6	35,100	61.4	299.5	39,900	65.4	302.5	41,500	95
100	51.7	287.8	33,700	59.0	296.7	38,500	63.1	300.1	40,700	100
105	49.0	283.7	32,100	56.6	293.5	37,100	60.8	297.4	39,500	105
110	46.3	279.1	30,500	54.1	290.1	35,700	58.5	294.5	38,200	110
115	43.3	274.1	29,000	51.6	286.3	34,300	56.0	291.3	36,800	115
120	40.3	268.5	27,500	48.9	282.1	33,000	53.5	287.8	35,500	120
125	37.0	262.2	26,100	46.1	277.5	31,700	50.9	283.9	34,200	125
130	33.4	255.2	24,800	43.2	272.5	30,500	48.2	279.6	32,900	130
135	29.5	247.0	23,600	40.1	266.9	29,400	45.4	274.9	31,700	135
140	25.1	237.3	22,500	36.8	260.6	28,200	42.5	269.7	30,400	140
145	19.7	225.2	21,500	33.3	253.5	27,200	39.4	264.0	29,300	145
150	12.2	207.7	20,700	29.3	245.2	26,200	36.0	257.5	28,200	150
153	2.9	185.1	20,500	26.6	239.4	25,700	33.8	253.1	27,600	153
155				24.8	235.5	25,300	32.4	250.1	27,200	155
160				19.4	223.2	24,500	28.3	241.6	26,200	160
164				13.3	208.8	24,000	24.6	233.4	25,500	164
165				11.8	205.2	23,900	23.6	231.3	25,300	165
167				6.7	192.9	23,900	21.3	226.0	25,000	167
170							17.9	218.1	24,500	170
175							9.0	197.2	24,000	175
176							5.9	189.6	23,900	176
180										180
185										185
186										186
190										190
191										191
200										200
205										205
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218										218
220										220
230										230
231										231

MLC250 S-3

ASME B30.5



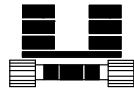
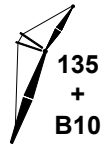
219,600 lb
+
80,000 lb



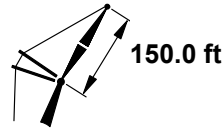
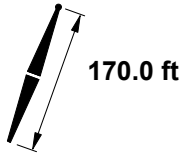
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
60													60
65													65
70													70
74													74
75													75
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115	62.9	296.4	39,500										115
120	60.6	293.7	38,600										120
125	58.2	290.8	37,500										125
130	55.7	287.5	36,400										130
135	53.2	283.9	35,200										135
140	50.6	280.0	34,000	57.7	285.5	31,000							140
145	47.9	275.7	32,700	55.3	282.2	29,600							145
150	45.1	271.0	31,300	52.8	278.6	28,300							150
153	43.3	267.8	30,500	51.2	276.2	27,600							153
155	42.1	265.7	30,000	50.1	274.6	27,100							155
160	39.0	259.9	28,800	47.4	270.2	26,000							160
164	36.3	254.6	27,900	45.1	266.4	25,100	52.6	272.5	22,400				164
165	35.6	253.3	27,600	44.6	265.4	24,900	52.0	271.7	22,200				165
167	34.1	250.3	27,200	43.4	263.3	24,500	51.0	270.1	21,900				167
170	31.9	245.8	26,600	41.6	260.1	23,900	49.4	267.6	21,300				170
175	27.8	237.1	25,500	38.4	254.1	23,000	46.6	263.1	20,500				175
176	26.9	235.0	25,300	37.7	252.7	22,800	46.1	262.1	20,300				176
180	23.1	226.6	24,600	35.0	247.4	22,100	43.8	258.1	19,700				180
185	17.1	212.9	23,600	31.2	239.7	21,300	40.7	252.6	18,900				185
186	15.1	208.3	23,500	30.4	237.9	21,100	40.1	251.4	18,800	47.8	258.0	16,500	186
190	7.4	189.9	22,700	27.0	230.7	20,500	37.5	246.5	18,200	45.5	254.2	16,000	190
191	2.9	178.8	22,500	25.9	228.2	20,300	36.7	245.0	18,100	44.9	253.1	15,900	191
200				15.8	205.2	19,000	30.1	231.5	16,900	39.5	243.3	14,800	200
205				3.5	175.7	18,200	25.7	222.1	16,300	36.2	236.9	14,300	205
210							20.5	210.4	15,700	32.5	229.5	13,700	210
218							6.4	177.0	14,700	25.6	214.6	12,900	218
220										23.8	210.9	12,700	220
230										9.6	177.6	11,700	230
231										6.7	170.6	11,600	231

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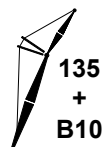
219,600 lb
+
80,000 lb



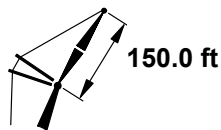
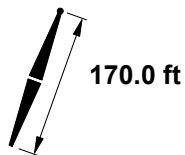
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50	75.8	323.4	41,300 b							50
55	73.8	322.1	40,600							55
60	71.8	320.5	39,900							60
65	69.8	318.8	39,300							65
70	67.7	316.8	38,600							70
75	65.7	314.7	37,600							75
77	64.8	313.7	37,100	70.9	318.4	39,800				77
80	63.6	312.3	36,200	69.7	317.3	39,600				80
85	61.4	309.7	34,900	67.7	315.4	39,100				85
90	59.2	306.8	33,500	65.6	313.2	37,900				90
93	57.8	305.0	32,700	64.3	311.8	37,100	68.0	314.3	38,500	93
95	56.9	303.7	32,200	63.5	310.8	36,600	67.1	313.4	38,500	95
100	54.6	300.3	30,900	61.3	308.2	35,200	65.1	311.2	37,300	100
105	52.3	296.6	29,600	59.1	305.3	34,000	62.9	308.8	36,200	105
110	49.8	292.6	28,300	56.8	302.2	32,600	60.8	306.1	34,900	110
115	47.3	288.2	27,200	54.5	298.8	31,300	58.6	303.2	33,600	115
120	44.6	283.3	26,100	52.2	295.1	30,100	56.3	300.0	32,400	120
125	41.8	278.0	25,000	49.7	291.0	28,800	54.0	296.5	31,100	125
130	38.9	272.1	23,900	47.1	286.6	27,600	51.6	292.7	29,900	130
135	35.7	265.5	23,000	44.5	281.7	26,400	49.1	288.5	28,600	135
140	32.3	258.1	21,900	41.7	276.4	25,400	46.5	284.0	27,500	140
145	28.5	249.6	20,900	38.7	270.5	24,400	43.8	279.0	26,400	145
150	24.2	239.5	20,000	35.5	263.8	23,300	41.0	273.6	25,200	150
155	19.0	226.9	19,200	32.1	256.4	22,400	38.0	267.5	24,200	155
160	11.8	208.7	18,600	28.3	247.8	21,500	34.7	260.7	23,200	160
163	2.8	185.4	18,400	25.7	241.7	21,000	32.6	256.1	22,700	163
165				24.0	237.6	20,700	31.2	253.0	22,300	165
170				18.7	224.8	19,900	27.3	244.1	21,400	170
175				11.4	206.3	19,300	22.8	233.4	20,600	175
177				6.5	193.5	19,200	20.6	227.9	20,300	177
180							17.2	219.7	19,900	180
185							8.7	198.0	19,300	185
186							5.7	190.1	19,200	186
190										190
193										193
200										200
201										201
210										210
215										215
220										220
228										228
230										230
240										240
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MLC250 S-3

ASME B30.5



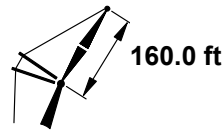
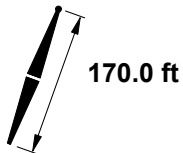
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
50													50
55													55
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
120	62.7	305.1	35,100										120
125	60.5	302.4	34,100										125
130	58.3	299.4	33,000										130
135	56.0	296.2	31,900										135
140	53.7	292.7	30,800										140
145	51.3	288.8	29,700	57.9	294.2	29,500							145
150	48.8	284.7	28,600	55.6	290.9	28,200							150
155	46.2	280.1	27,400	53.3	287.4	27,000							155
160	43.5	275.0	26,300	50.8	283.5	25,900							160
163	41.8	271.7	25,700	49.3	280.9	25,200							163
165	40.6	269.5	25,300	48.3	279.2	24,800							165
170	37.6	263.4	24,300	45.7	274.5	23,800	52.6	280.5	21,300				170
175	34.4	256.5	23,300	43.0	269.4	22,900	50.2	276.5	20,400				175
177	32.9	253.3	22,900	41.8	267.2	22,600	49.1	274.7	20,100				177
180	30.8	248.6	22,400	40.1	263.8	22,000	47.6	272.1	19,600				180
185	26.9	239.6	21,500	37.0	257.5	21,200	45.0	267.3	18,900				185
186	25.9	237.4	21,300	36.4	256.1	21,100	44.4	266.3	18,700				186
190	22.3	228.6	20,700	33.7	250.5	20,400	42.2	262.1	18,100				190
193	17.7	217.2	20,300	31.4	245.2	20,000	40.4	258.4	17,800	47.7	265.1	15,600	193
200	7.2	190.5	19,400	26.1	233.1	19,000	36.2	249.8	16,800	43.9	258.3	14,700	200
201	2.8	179.0	19,300	25.0	230.4	18,800	35.4	248.2	16,700	43.3	257.2	14,600	201
210				15.2	206.5	17,600	29.1	234.2	15,600	38.1	246.8	13,700	210
215				3.4	176.0	16,900	24.9	224.3	15,100	34.9	240.1	13,200	215
220							19.8	212.2	14,500	31.4	232.4	12,700	220
228							6.2	177.6	13,600	24.7	216.8	11,900	228
230										23.0	213.0	11,800	230
240										9.3	178.4	10,900	240
241										6.5	171.1	10,800	241

MLC250 S-3

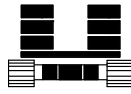
ASME B30.5



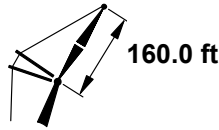
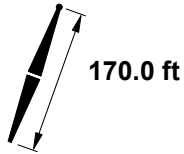
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
52	76.0	333.2	38,300 b						52	
55	74.9	332.4	37,900						55	
60	73.0	331.0	37,200						60	
65	71.1	329.4	36,600						65	
70	69.2	327.6	35,800						70	
75	67.3	325.6	34,400						75	
80	65.3	323.4	33,000	71.0	327.9	36,600			80	
85	63.3	321.0	31,700	69.1	326.1	35,800			85	
90	61.3	318.4	30,400	67.2	324.1	34,500			90	
95	59.3	315.5	29,100	65.2	321.9	33,300			95	
97	58.4	314.3	28,600	64.4	320.9	32,700	67.9	323.4	34,500	97
100	57.1	312.4	27,800	63.2	319.5	32,000	66.7	322.2	33,900	100
105	55.0	309.0	26,600	61.2	316.9	30,700	64.7	319.9	32,700	105
110	52.8	305.4	25,400	59.2	314.0	29,400	62.8	317.5	31,500	110
115	50.5	301.4	24,200	57.0	310.9	28,100	60.7	314.8	30,300	115
120	48.1	297.1	23,100	54.9	307.5	26,900	58.6	311.8	29,100	120
124	46.2	293.4	22,300	53.1	304.6	26,000	56.9	309.3	28,100	124
125	45.7	292.4	22,000	52.7	303.9	25,700	56.5	308.7	27,900	125
130	43.1	287.3	21,000	50.4	299.9	24,600	54.4	305.2	26,700	130
135	40.4	281.7	20,000	48.0	295.6	23,400	52.1	301.5	25,500	135
140	37.6	275.6	19,100	45.6	290.9	22,300	49.8	297.4	24,400	140
145	34.5	268.7	18,200	43.0	285.7	21,300	47.4	293.0	23,200	145
150	31.2	261.0	17,400	40.3	280.1	20,300	44.9	288.2	22,200	150
155	27.6	252.1	16,600	37.4	273.9	19,400	42.3	283.0	21,200	155
160	23.4	241.6	15,800	34.4	267.0	18,400	39.6	277.2	20,200	160
165	18.4	228.5	15,100	31.1	259.2	17,600	36.7	270.9	19,300	165
170	11.5	209.8	14,200	27.4	250.3	16,800	33.6	263.8	18,300	170
173	2.7	185.6	13,700	24.6	243.1	16,300	31.5	258.6	17,800	173
176				21.8	236.0	15,800	29.3	253.4	17,400	176
180				18.1	226.5	15,200	26.4	246.5	16,700	180
187				6.3	194.1	13,900	19.6	228.7	15,500	187
190							16.7	221.2	15,000	190
196							5.5	190.5	14,100	196
199										199
200										200
210										210
211										211
220										220
225										225
230										230
238										238
240										240
250										250
251										251

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ASME B30.5



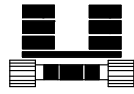
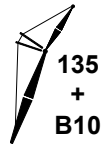
219,600 lb
+
80,000 lb



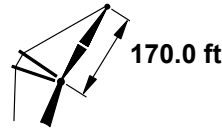
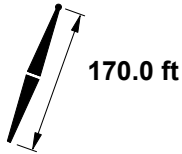
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
97													97
100													100
105													105
110													110
115													115
120													120
124	62.9	314.3	30,800										124
125	62.5	313.8	30,600										125
130	60.5	311.0	29,600										130
135	58.4	308.1	28,600										135
140	56.3	304.9	27,500										140
145	54.1	301.4	26,400										145
150	51.9	297.6	25,400	58.0	302.9	27,500							150
155	49.5	293.5	24,300	55.9	299.6	26,600							155
160	47.1	289.1	23,200	53.7	296.1	25,500							160
165	44.7	284.3	22,100	51.4	292.3	24,400							165
170	42.0	279.0	21,100	49.1	288.1	23,500							170
173	40.3	275.3	20,600	47.6	285.3	22,900							173
176	38.6	271.6	20,000	46.2	282.4	22,400	52.6	288.5	19,800				176
180	36.4	266.7	19,300	44.2	278.7	21,700	50.8	285.3	19,200				180
187	31.8	256.0	18,000	40.4	270.8	20,500	47.4	279.1	18,200				187
190	29.8	251.4	17,500	38.8	267.4	20,100	46.0	276.4	17,800				190
196	24.8	238.9	16,600	35.1	259.0	19,000	42.9	270.1	17,000				196
199	22.4	232.6	16,200	33.2	254.8	18,500	41.3	266.9	16,600	48.0	273.2	14,400	199
200	21.5	230.6	16,000	32.6	253.4	18,300	40.8	265.9	16,500	47.5	272.3	14,300	200
210	6.9	191.1	14,100	25.2	235.4	16,700	35.0	253.0	15,300	42.5	262.3	13,300	210
211	2.7	179.2	14,000	24.2	232.6	16,500	34.3	251.4	15,200	41.9	261.1	13,200	211
220				14.7	207.8	15,000	28.1	236.7	14,200	36.8	250.2	12,300	220
225				3.3	176.2	14,100	24.1	226.5	13,700	33.7	243.2	11,800	225
230							19.2	213.9	13,200	30.4	235.2	11,400	230
238							6.0	178.1	12,400	23.9	219.0	10,700	238
240										22.3	215.0	10,600	240
250										9.0	179.2	9,700	250
251										6.2	171.7	9,700	251

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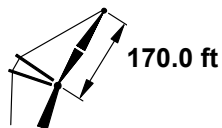
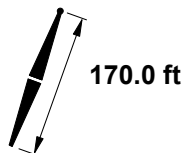
219,600 lb
+
80,000 lb



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	75.8	342.8	35,300							55
60	74.0	341.4	34,700							60
65	72.3	339.9	34,100							65
70	70.5	338.2	32,900							70
75	68.7	336.4	31,700							75
80	66.9	334.3	30,400							80
84	65.4	332.5	29,400	70.8	337.1	33,000				84
85	65.0	332.1	29,100	70.4	336.8	32,800				85
90	63.1	329.7	27,800	68.6	334.9	31,700				90
95	61.2	327.0	26,600	66.8	332.9	30,500				95
100	59.3	324.2	25,400	64.9	330.6	29,300				100
101	58.9	323.5	25,100	64.5	330.1	29,000	67.8	332.6	30,800	101
105	57.3	321.1	24,200	63.1	328.2	28,000	66.3	330.9	29,900	105
110	55.3	317.7	23,000	61.1	325.5	26,800	64.5	328.6	28,700	110
115	53.2	314.1	22,000	59.2	322.7	25,600	62.6	326.1	27,600	115
120	51.1	310.3	20,900	57.2	319.6	24,500	60.7	323.4	26,500	120
125	48.9	306.1	19,900	55.2	316.2	23,300	58.7	320.5	25,300	125
129	47.0	302.4	19,100	53.5	313.3	22,400	57.1	318.0	24,400	129
130	46.6	301.5	18,900	53.1	312.6	22,200	56.7	317.3	24,200	130
135	44.2	296.6	17,900	51.0	308.7	21,100	54.7	313.9	23,100	135
140	41.8	291.2	17,000	48.8	304.5	20,100	52.6	310.3	22,000	140
145	39.2	285.4	16,100	46.5	299.9	19,100	50.4	306.3	20,900	145
150	36.4	278.9	15,300	44.1	295.0	18,100	48.2	302.0	19,900	150
155	33.5	271.7	14,500	41.6	289.6	17,200	45.9	297.3	18,900	155
156	32.8	270.1	14,300	41.1	288.4	17,000	45.4	296.3	18,700	156
160	30.3	263.7	13,500	39.0	283.7	16,300	43.5	292.3	18,000	160
170	22.7	243.6	11,800	33.3	270.0	14,600	38.4	280.8	16,200	170
180	11.1	210.7	10,200	26.6	252.7	12,700	32.6	266.7	14,500	180
182	5.5	194.1	10,000	24.8	247.7	12,400	31.2	263.1	14,100	182
183	2.7	185.9	9,900	23.9	245.3	12,200	30.5	261.3	13,900	183
190				17.6	228.0	11,000	25.6	248.8	12,600	190
197				6.1	194.6	10,000	19.0	230.4	11,400	197
200							16.2	222.6	10,900	200
206							5.3	191.0	10,000	206
210										210
220										220
221										221
230										230
235										235
240										240
248										248
250										250
260										260
261										261

MLC250 S-3

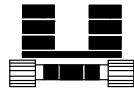
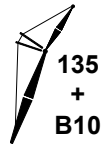
ASME B30.5



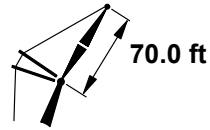
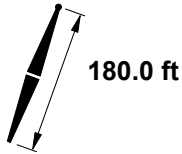
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
65													65
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
101													101
105													105
110													110
115													115
120													120
125													125
129	62.8	323.0	27,000										129
130	62.4	322.4	26,900										130
135	60.5	319.7	25,900										135
140	58.5	316.8	24,900										140
145	56.5	313.6	23,900										145
150	54.5	310.1	22,900										150
155	52.4	306.4	21,800										155
156	51.9	305.6	21,600	57.7	310.9	23,800							156
160	50.2	302.4	20,800	56.1	308.3	23,200							160
170	45.7	293.4	18,800	52.0	301.1	21,400							170
180	40.7	282.7	17,100	47.6	292.6	19,600							180
182	39.6	280.2	16,700	46.6	290.6	19,200	52.7	296.5	18,600				182
183	39.1	278.9	16,600	46.1	289.6	19,000	52.2	295.6	18,500				183
190	35.3	269.9	15,400	42.8	282.7	17,700	49.2	290.0	17,500				190
197	30.8	258.8	14,000	39.1	274.4	16,500	46.0	283.4	16,600				197
200	28.9	254.0	13,500	37.6	270.8	16,000	44.6	280.6	16,200				200
206	24.1	241.0	12,400	34.0	262.1	15,000	41.5	273.9	15,500	47.9	280.4	13,400	206
210	20.9	232.4	11,600	31.6	256.3	14,400	39.5	269.5	15,000	46.0	276.6	13,000	210
220	6.7	191.7	10,100	24.5	237.6	12,500	33.9	256.1	14,000	41.1	266.1	12,000	220
221	2.6	179.5	10,000	23.4	234.7	12,300	33.2	254.4	13,900	40.6	264.8	11,900	221
230				14.3	209.1	10,800	27.3	239.2	13,000	35.7	253.5	11,200	230
235				3.2	176.5	10,100	23.3	228.6	12,300	32.7	246.1	10,700	235
240							18.6	215.5	11,400	29.4	237.8	10,300	240
248							5.9	178.6	10,200	23.2	221.1	9,700	248
250										21.6	216.9	9,600	250
260										8.7	180.0	8,800	260
261										6.1	172.2	8,700	261

MLC250 S-3

ASME B30.5



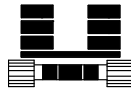
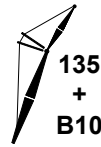
219,600 lb
+
80,000 lb



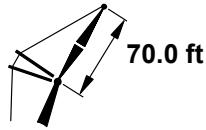
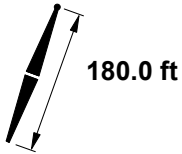
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	72.1	254.6	88,900 d						35	
40	67.8	252.8	88,500 c						40	
45	63.3	250.5	88,000 c						45	
50	58.6	247.7	87,500 b						50	
52	56.6	246.4	85,100 b	71.0	252.7	91,000 d			52	
55	53.7	244.4	81,400 b	68.4	251.6	91,000 c			55	
60	48.4	240.3	75,200 b	63.9	249.4	91,000 c			60	
65	42.7	235.4	69,500 b	59.2	246.7	88,000 b	67.7	249.8	91,200 c	65
70	36.2	229.4	64,300	54.3	243.4	82,900 b	63.2	247.6	87,100 c	70
75	28.6	221.5	59,700	49.1	239.5	78,200 b	58.6	244.8	82,200 b	75
80	18.3	209.9	54,900	43.4	234.7	73,900	53.6	241.4	76,500 b	80
83	7.1	196.6	46,600	39.6	231.2	71,500	50.4	239.0	73,200 b	83
85				37.1	228.8	69,900	48.3	237.4	71,000 b	85
86				35.6	227.3	69,200	47.2	236.4	70,100 b	86
90				29.7	221.2	66,200	42.6	232.4	66,200	90
95				19.9	210.4	62,800	36.1	226.3	62,000	95
99				4.0	191.4	47,500	30.0	220.0	59,000	99
100							28.5	218.4	58,200	100
105							18.1	206.8	54,800	105
106							14.3	202.3	53,700	106
108							6.7	193.2	51,700	108
110										110
115										115
120										120
123										123
125										125
126										126
130										130
135										135
138										138
140										140
144										144
145										145
150										150
153										153
155										155
160										160
165										165
166										166

MLC250 S-3

ASME B30.5



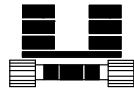
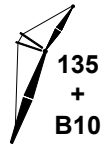
219,600 lb
+
80,000 lb



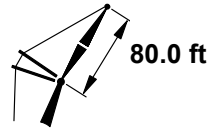
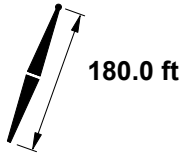
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
40													40
45													45
50													50
52													52
55													55
60													60
65													65
70													70
75													75
80													80
83													83
85													85
86	62.6	243.6	64,300 c										86
90	58.8	241.4	60,800 b										90
95	53.9	238.0	57,000 b										95
99	49.7	234.8	54,200 b										99
100	48.7	234.0	53,500 b										100
105	43.0	229.2	50,400										105
106	41.7	228.0	49,800	57.8	235.8	45,400 b							106
108	39.1	225.6	48,700	55.8	234.4	44,400 b							108
110	36.5	223.2	47,600	53.8	233.1	43,400 b							110
115	29.0	215.4	45,000	48.6	229.0	41,100 b							115
120	18.9	204.1	42,600	42.9	224.2	38,900							120
123	8.5	191.8	41,200	39.0	220.5	37,800							123
125				36.4	218.1	37,000							125
126				34.9	216.6	36,600	52.2	225.7	33,100 b				126
130				28.8	210.3	35,200	47.9	222.3	31,800 b				130
135				18.7	199.0	33,500	42.2	217.4	30,300				135
138				8.0	186.3	32,400	38.2	213.6	29,500				138
140							35.6	211.2	28,900				140
144							29.4	204.7	27,900	47.8	214.8	25,000 b	144
145							27.9	203.1	27,600	46.7	213.8	24,800	145
150							17.1	191.0	26,400	40.7	208.6	23,700	150
153							3.2	174.3	25,500	36.7	204.7	23,100	153
155										34.0	202.1	22,700	155
160										25.8	193.4	21,700	160
165										13.6	179.3	20,700	165
166										9.4	174.4	20,500	166

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



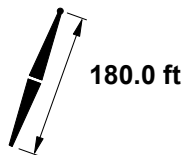
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.9	265.6	82,200 d						33	
35	74.4	265.1	82,000 d						35	
40	70.7	263.5	81,500 c						40	
45	66.8	261.5	81,100 c						45	
50	62.9	259.2	80,500 b						50	
55	58.8	256.4	77,200 b						55	
56	57.9	255.8	76,100 b	70.4	261.9	83,600 c			56	
60	54.5	253.1	71,800 b	67.3	260.4	83,600 c			60	
65	50.0	249.2	66,600	63.4	258.1	83,600 b			65	
69	46.1	245.6	62,800	60.1	255.9	80,800 b	67.6	259.0	83,500 c	69
70	45.1	244.7	61,800	59.3	255.4	80,100 b	66.8	258.6	83,500 c	70
75	39.8	239.2	57,400	55.1	252.1	75,800 b	62.8	256.2	79,300 b	75
80	33.8	232.5	53,400	50.6	248.3	71,800	58.7	253.4	75,200 b	80
85	26.7	223.9	49,800	45.7	243.9	68,100	54.4	250.1	70,700 b	85
90	17.1	211.5	46,100	40.5	238.5	64,700	49.9	246.3	65,900	90
91	13.6	206.7	44,300	39.3	237.2	64,100	48.9	245.3	65,100	91
93	6.6	197.2	40,700	37.0	234.6	62,800	47.0	243.5	63,400	93
95				34.6	232.0	61,500	45.0	241.7	61,700	95
100				27.7	223.8	58,500	39.7	236.2	58,000	100
105				18.6	212.1	54,400	33.7	229.5	54,600	105
109				3.7	191.8	41,700	28.0	222.6	52,200	109
110							26.6	220.9	51,600	110
112							22.7	215.9	50,400	112
115							16.9	208.4	48,700	115
118							6.2	193.7	45,300	118
120										120
125										125
130										130
132										132
133										133
135										135
140										140
145										145
148										148
150										150
151										151
155										155
160										160
163										163
165										165
170										170
175										175
176										176

MLC250 S-3

ASME B30.5



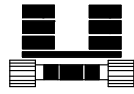
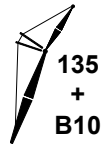
219,600 lb
+
80,000 lb



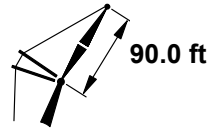
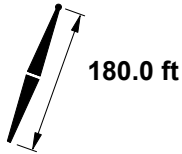
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
35													35
40													40
45													45
50													50
55													55
56													56
60													60
65													65
69													69
70													70
75													75
80													80
85													85
90													90
91	62.3	252.3	59,600 b										91
93	60.6	251.1	58,100 b										93
95	59.0	250.0	56,600 b										95
100	54.7	246.8	53,100 b										100
105	50.2	242.9	50,000										105
109	46.3	239.3	47,800										109
110	45.3	238.4	47,200										110
112	43.2	236.2	46,200	57.2	243.8	42,000 b							112
115	40.1	232.9	44,700	54.6	241.8	40,700 b							115
118	36.5	229.0	43,300	51.9	239.5	39,400 b							118
120	34.1	226.3	42,400	50.1	237.9	38,500							120
125	27.1	217.9	40,300	45.3	233.4	36,600							125
130	17.6	205.7	38,300	40.0	227.9	34,800							130
132	11.2	196.9	37,500	37.6	225.3	34,200	52.3	233.7	30,800				132
133	7.9	192.5	37,100	36.4	223.9	33,900	51.4	232.9	30,500				133
135				34.0	221.3	33,200	49.6	231.3	29,900				135
140				26.9	212.8	31,700	44.7	226.6	28,500				140
145				17.4	200.5	30,200	39.3	221.1	27,300				145
148				7.5	187.0	29,300	35.7	217.0	26,500				148
150							33.3	214.3	26,100				150
151							31.8	212.5	25,800	47.5	221.9	23,000	151
155							26.0	205.5	24,900	43.5	218.0	22,200	155
160							16.0	192.5	23,800	38.0	212.2	21,300	160
163							3.0	174.6	23,100	34.2	207.9	20,800	163
165										31.7	205.0	20,400	165
170										24.1	195.6	19,500	170
175										12.7	180.5	18,700	175
176										8.8	175.2	18,500	176

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ASME B30.5



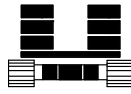
219,600 lb
+
80,000 lb



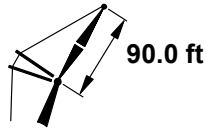
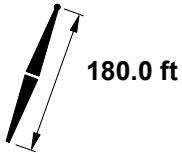
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.5	275.1	75,300 d						36	
40	72.9	274.0	75,000 c						40	
45	69.5	272.3	74,500 c						45	
50	66.1	270.3	73,900 b						50	
55	62.6	267.9	72,800 b						55	
59	59.6	265.6	69,000 b	70.6	271.5	76,300 c			59	
60	58.9	265.1	68,100 b	70.0	271.1	76,300 c			60	
65	55.1	261.8	63,600	66.5	269.1	76,300 b			65	
70	51.1	258.1	59,300	63.0	266.8	75,100 b			70	
73	48.6	255.5	56,800	60.8	265.1	73,600 b	67.4	268.2	76,100 c	73
75	46.9	253.7	55,200	59.4	264.0	72,600 b	66.1	267.3	76,100 b	75
80	42.4	248.7	51,400	55.6	260.8	70,100	62.5	264.9	73,400 b	80
85	37.4	242.7	47,900	51.7	257.2	66,900	58.9	262.1	69,700 b	85
90	31.8	235.5	44,800	47.5	252.9	63,700	55.1	258.9	65,700	90
95	25.2	226.2	42,000	43.0	247.9	60,600	51.1	255.1	61,600	95
100	16.1	213.0	39,800	38.1	242.1	57,800	46.9	250.7	57,800	100
103	6.2	197.8	36,400	34.8	237.9	56,100	44.2	247.7	55,800	103
105				32.6	235.0	55,000	42.3	245.7	54,500	105
110				26.1	226.1	51,000	37.4	239.7	51,500	110
115				17.5	213.6	47,600	31.8	232.4	48,700	115
117				10.5	202.9	42,500	29.1	228.7	47,700	117
119				3.5	192.1	37,400	26.4	225.0	46,700	119
120							25.1	223.2	46,200	120
125							16.0	209.8	43,900	125
128							5.9	194.3	40,700	128
130										130
135										135
138										138
140										140
143										143
145										145
150										150
155										155
158										158
160										160
165										165
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MLC250 S-3

ASME B30.5



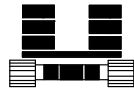
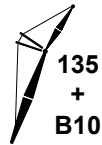
219,600 lb
+
80,000 lb



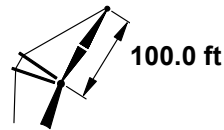
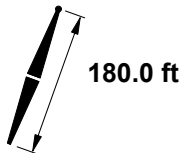
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
40													40
45													45
50													50
55													55
59													59
60													60
65													65
70													70
73													73
75													75
80													80
85													85
90													90
95	62.7	261.5	56,300 b										95
100	59.1	258.7	52,900 b										100
103	56.8	256.7	51,000 b										103
105	55.3	255.5	49,800										105
110	51.3	251.7	47,000										110
115	47.1	247.4	44,500										115
117	45.3	245.4	43,600	57.5	252.5	39,500							117
119	43.5	243.4	42,700	56.0	251.2	38,700							119
120	42.6	242.4	42,200	55.2	250.5	38,300							120
125	37.7	236.5	40,100	51.3	246.8	36,400							125
128	34.3	232.2	39,000	48.7	244.2	35,300							128
130	32.1	229.3	38,200	47.1	242.4	34,600							130
135	25.5	220.2	36,400	42.5	237.4	33,000							135
138	20.2	212.4	35,400	39.6	233.8	32,100	52.4	241.7	28,800				138
140	16.6	207.2	34,700	37.6	231.5	31,500	50.8	240.1	28,300				140
143	7.5	193.1	33,700	34.2	227.1	30,700	48.2	237.5	27,600				143
145				32.0	224.3	30,100	46.6	235.7	27,000				145
150				25.4	215.1	28,800	42.0	230.6	25,900				150
155				16.4	202.0	27,500	37.0	224.5	24,800				155
158				7.0	187.6	26,800	33.6	220.1	24,100	47.3	229.1	21,400	158
160							31.3	217.1	23,700	45.5	227.2	21,100	160
165							24.5	207.7	22,700	40.9	221.8	20,200	165
170							15.1	193.8	21,800	35.7	215.5	19,400	170
173							2.8	174.8	21,100	32.2	210.9	18,900	173
175										29.9	207.8	18,600	175
180										22.7	197.6	17,800	180
185										11.9	181.6	17,100	185
186										8.3	176.0	16,900	186

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



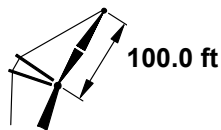
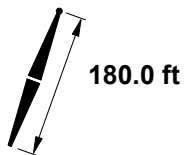
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	75.8	285.0	69,600 d							38
40	74.7	284.4	69,300 c							40
45	71.7	282.9	68,900 c							45
50	68.6	281.1	68,400 b							50
55	65.5	279.0	67,900 b							55
60	62.3	276.5	64,100 b							60
62	61.0	275.4	62,600 b	70.8	281.0	70,100 c				62
65	59.0	273.7	60,300	69.0	279.9	70,100 b				65
70	55.6	270.5	56,500	65.9	277.9	69,700 b				70
75	52.1	266.9	52,900	62.7	275.5	67,300				75
76	51.3	266.0	52,300	62.1	274.9	66,800	68.0	277.8	69,500 b	76
80	48.3	262.7	49,500	59.5	272.7	64,900	65.5	276.0	69,200 b	80
85	44.4	257.9	46,300	56.1	269.5	62,700	62.3	273.6	67,000	85
90	40.1	252.4	43,300	52.5	265.9	60,500	59.0	270.8	64,700	90
95	35.4	246.0	40,500	48.8	261.8	58,400	55.6	267.6	61,200	95
100	30.2	238.2	38,000	44.9	257.2	56,400	52.0	263.9	57,500	100
105	23.8	228.4	35,900	40.7	251.8	54,200	48.3	259.7	54,200	105
110	15.3	214.3	34,000	36.1	245.4	50,800	44.3	254.9	51,200	110
113	5.9	198.3	32,600	33.0	240.9	48,700	41.8	251.6	49,500	113
115				30.9	237.9	47,300	40.1	249.4	48,400	115
120				24.7	228.4	44,200	35.4	243.0	45,900	120
122				21.5	223.1	43,100	33.3	239.9	45,000	122
125				16.6	215.1	41,400	30.1	235.2	43,700	125
129				3.3	192.4	33,600	25.0	227.3	42,000	129
130							23.8	225.3	41,600	130
135							15.1	211.2	39,600	135
138							5.6	194.8	36,500	138
140										140
144										144
145										145
150										150
153										153
155										155
160										160
164										164
165										165
168										168
170										170
175										175
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183										183
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196										196

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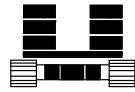
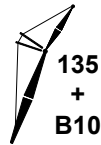
219,600 lb
+
80,000 lb



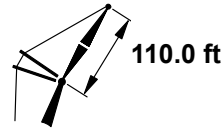
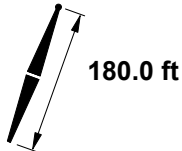
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38													38
40													40
45													45
50													50
55													55
60													60
62													62
65													65
70													70
75													75
76													76
80													80
85													85
90													90
95													95
100	62.5	270.1	52,500										100
105	59.2	267.3	49,400										105
110	55.8	264.2	46,700										110
113	53.7	262.0	45,200										113
115	52.2	260.5	44,200										115
120	48.5	256.4	41,900										120
122	46.9	254.5	41,000	57.8	261.2	37,100							122
125	44.6	251.6	39,800	55.7	259.2	36,000							125
129	41.2	247.3	38,300	52.9	256.3	34,600							129
130	40.3	246.2	37,900	52.2	255.6	34,200							130
135	35.7	239.8	36,100	48.5	251.4	32,600							135
138	32.5	235.2	35,100	46.1	248.6	31,700							138
140	30.4	232.1	34,500	44.5	246.7	31,100							140
144	25.4	224.3	33,200	41.1	242.3	30,000	52.5	249.7	26,900				144
145	24.2	222.4	32,900	40.3	241.2	29,800	51.8	248.9	26,600				145
150	15.8	208.6	31,500	35.6	234.8	28,500	48.0	244.7	25,400				150
153	7.1	193.8	30,600	32.4	230.1	27,700	45.6	241.8	24,800				153
155				30.3	227.0	27,300	44.0	239.9	24,400				155
160				24.1	217.3	26,100	39.8	234.3	23,300				160
164				17.3	206.2	25,200	36.0	229.1	22,600	47.9	237.1	19,900	164
165				15.6	203.4	25,000	35.0	227.8	22,400	47.1	236.2	19,800	165
168				6.7	188.2	24,300	31.8	223.0	21,800	44.7	233.2	19,300	168
170							29.7	219.9	21,500	43.1	231.2	18,900	170
175							23.2	209.8	20,600	38.7	225.5	18,200	175
180							14.3	195.1	19,700	33.9	218.6	17,400	180
183							2.7	175.1	19,200	30.5	213.7	17,000	183
185										28.3	210.3	16,700	185
190										21.5	199.6	16,100	190
196										7.9	176.7	15,200	196

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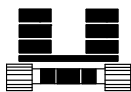
219,600 lb
+
80,000 lb



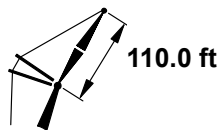
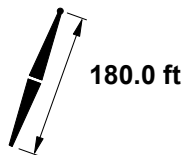
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41	75.5	294.5	53,600 c							41
45	73.4	293.4	52,600 c							45
50	70.6	291.8	51,600 b							50
55	67.9	289.9	50,500 b							55
60	65.0	287.7	49,400 b							60
65	62.1	285.2	48,500	71.0	290.6	52,600 b				65
70	59.1	282.4	47,500	68.2	288.7	51,900 b				70
75	56.0	279.2	46,600	65.4	286.6	51,200				75
80	52.8	275.6	45,700	62.5	284.1	50,500	67.8	286.9	51,500 b	80
85	49.5	271.6	44,200	59.5	281.3	49,700	65.0	284.7	51,000	85
90	46.0	267.1	41,600	56.4	278.2	49,000	62.1	282.2	50,500	90
95	42.2	261.9	39,100	53.2	274.7	48,200	59.1	279.4	50,000	95
100	38.2	256.0	36,800	49.9	270.7	47,500	56.0	276.2	49,400	100
104	34.6	250.5	35,100	47.1	267.1	46,900	53.4	273.4	49,000	104
105	33.7	249.1	34,700	46.4	266.3	46,800	52.8	272.7	48,900	105
110	28.7	240.9	32,700	42.7	261.2	46,000	49.4	268.6	48,200	110
115	22.7	230.5	31,100	38.7	255.4	45,300	45.9	264.1	47,600	115
120	14.6	215.6	29,700	34.3	248.6	44,200	42.2	258.9	46,000	120
123	5.6	198.8	29,300	31.4	243.8	42,600	39.7	255.3	44,600	123
125				29.4	240.6	41,600	38.1	253.0	43,700	125
127				27.1	236.6	40,600	36.4	250.2	42,900	127
130				23.6	230.5	39,200	33.7	246.1	41,600	130
135				15.8	216.6	37,000	28.7	237.8	39,700	135
139				3.2	192.7	30,400	23.8	229.5	38,300	139
140							22.6	227.4	37,900	140
145							14.4	212.5	36,200	145
148							5.3	195.2	33,200	148
150										150
155										155
160										160
163										163
165										165
170										170
171										171
175										175
178										178
180										180
185										185
190										190
193										193
195										195
200										200
205										205
206										206

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ASME B30.5



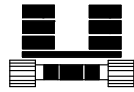
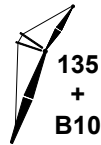
219,600 lb
+
80,000 lb



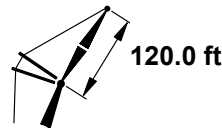
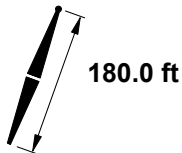
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41													41
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
104	62.8	279.3	49,400										104
105	62.2	278.8	49,400										105
110	59.3	276.0	46,600										110
115	56.2	272.8	44,100										115
120	53.0	269.3	41,900										120
123	51.0	266.9	40,600										123
125	49.6	265.3	39,800										125
127	48.2	263.5	39,000	58.0	269.8	35,200							127
130	46.1	260.8	37,900	56.1	267.9	34,200							130
135	42.4	255.6	36,100	52.9	264.3	32,600							135
139	39.2	250.9	34,800	50.2	261.1	31,400							139
140	38.4	249.8	34,500	49.6	260.3	31,100							140
145	34.0	242.9	33,000	46.1	255.8	29,700							145
148	31.0	238.0	32,100	43.8	252.7	29,000							148
150	29.0	234.7	31,600	42.3	250.6	28,500	52.6	257.7	25,400				150
155	23.0	224.5	30,200	38.3	244.7	27,300	49.2	253.6	24,300				155
160	15.0	210.0	29,000	33.9	237.9	26,100	45.7	249.0	23,300				160
163	6.7	194.4	28,200	30.9	233.0	25,500	43.4	245.9	22,800				163
165				28.9	229.7	25,100	41.9	243.8	22,400				165
170				22.9	219.4	24,100	37.8	237.8	21,500				170
171				21.3	216.5	23,900	36.9	236.4	21,300	47.7	244.3	18,800	171
175				14.9	204.8	23,100	33.4	230.8	20,600	44.8	240.5	18,200	175
178				6.4	188.8	22,500	30.3	225.8	20,100	42.5	237.2	17,700	178
180							28.3	222.5	19,800	41.0	235.1	17,500	180
185							22.1	211.8	19,100	36.8	228.9	16,800	185
190							13.7	196.3	18,300	32.2	221.6	16,100	190
193							2.6	175.3	17,800	29.1	216.3	15,700	193
195										27.0	212.8	15,500	195
200										20.5	201.4	14,900	200
205										10.8	183.6	14,300	205
206										7.5	177.4	14,200	206

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ASME B30.5



219,600 lb
+
80,000 lb



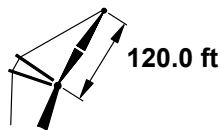
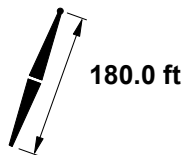
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
43	75.8	304.3	50,200 c						43	
45	74.8	303.8	49,800 c						45	
50	72.3	302.3	48,900 b						50	
55	69.8	300.6	47,900 b						55	
60	67.2	298.6	47,000 b						60	
65	64.6	296.4	46,200						65	
69	62.5	294.4	45,500	70.6	299.8	49,000 b			69	
70	61.9	293.9	45,300	70.1	299.4	48,800 b			70	
75	59.2	291.1	44,500	67.6	297.5	48,300			75	
80	56.4	287.9	43,800	64.9	295.3	47,700			80	
84	54.0	285.1	42,500	62.8	293.3	47,200	67.7	296.1	47,900	84
85	53.5	284.4	42,200	62.3	292.8	47,000	67.2	295.7	47,800	85
90	50.4	280.5	39,900	59.5	290.0	46,500	64.6	293.4	47,500	90
95	47.2	276.1	37,700	56.7	286.9	45,800	61.9	290.9	47,000	95
100	43.9	271.2	35,500	53.8	283.4	45,200	59.2	288.1	46,600	100
105	40.3	265.7	33,600	50.8	279.6	44,500	56.3	284.9	46,200	105
109	37.3	260.6	32,100	48.3	276.1	43,300	54.0	282.1	45,800	109
110	36.5	259.4	31,700	47.7	275.3	43,000	53.4	281.4	45,700	110
115	32.3	252.1	29,900	44.3	270.4	41,500	50.4	277.5	44,500	115
120	27.5	243.4	28,400	40.8	265.0	40,100	47.2	273.1	43,000	120
125	21.7	232.4	27,000	37.0	258.8	38,800	43.9	268.2	41,600	125
130	13.9	216.9	26,000	32.8	251.6	37,600	40.3	262.7	40,200	130
133	5.4	199.3	25,600	30.0	246.5	36,800	38.0	258.9	39,400	133
135				28.1	243.1	36,300	36.5	256.4	38,900	135
140				22.5	232.6	34,300	32.2	249.0	37,600	140
145				15.2	217.9	32,500	27.4	240.3	36,000	145
149				3.1	193.0	27,600	22.8	231.5	34,800	149
150							21.7	229.4	34,500	150
155							13.8	213.7	33,000	155
156							10.9	207.7	32,100	156
158							5.1	195.7	30,200	158
160										160
165										165
170										170
173										173
175										175
178										178
180										180
188										188
190										190
200										200
203										203
210										210
216										216

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



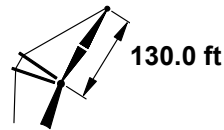
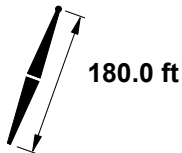
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
105													105
109	62.6	288.0	45,800										109
110	62.1	287.5	45,700										110
115	59.3	284.7	43,700										115
120	56.5	281.5	41,500										120
125	53.6	278.0	39,400										125
130	50.6	274.1	37,500										130
133	48.7	271.5	36,500	57.6	277.9	32,800							133
135	47.4	269.8	35,800	56.5	276.6	32,200							135
140	44.1	264.9	34,200	53.5	273.1	30,700							140
145	40.5	259.4	32,700	50.5	269.2	29,300							145
149	37.4	254.4	31,500	48.0	265.7	28,300							149
150	36.7	253.2	31,300	47.3	264.8	28,100							150
155	32.5	245.9	29,900	44.0	259.9	26,900							155
156	31.5	244.2	29,700	43.3	258.8	26,700	52.6	265.7	23,700				156
158	29.6	240.7	29,200	41.9	256.6	26,200	51.4	264.1	23,300				158
160	27.7	237.3	28,700	40.5	254.4	25,800	50.2	262.5	22,900				160
165	22.0	226.5	27,600	36.6	248.1	24,700	47.0	258.1	22,000				165
170	14.4	211.3	26,500	32.4	240.9	23,800	43.6	253.1	21,100				170
173	6.5	195.0	25,800	29.5	235.7	23,200	41.5	249.8	20,600				173
175				27.6	232.2	22,800	40.0	247.5	20,200				175
178				24.2	225.7	22,300	37.7	243.7	19,800	47.5	251.4	17,300	178
180				21.9	221.4	21,900	36.2	241.2	19,500	46.2	249.6	17,000	180
188				6.1	189.3	20,600	28.9	228.2	18,300	40.6	240.9	16,000	188
190							27.0	224.9	18,000	39.2	238.7	15,700	190
200							13.1	197.5	16,600	30.8	224.4	14,500	200
203							2.5	175.5	16,200	27.5	218.1	14,200	203
210										19.6	203.2	13,400	210
216										7.2	178.0	12,800	216

MLC250 S-3

ASME B30.5



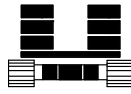
219,600 lb
+
80,000 lb



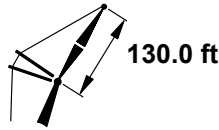
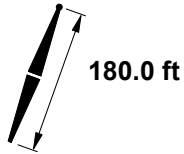
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
45	76.0	314.1	47,000 c						45	
50	73.7	312.8	46,100 b						50	
55	71.4	311.2	45,300 b						55	
60	69.1	309.4	44,500						60	
65	66.7	307.4	43,700						65	
70	64.3	305.1	43,000						70	
72	63.3	304.1	42,700	70.8	309.3	45,600			72	
75	61.8	302.5	42,300	69.4	308.2	45,300			75	
80	59.3	299.7	41,600	67.0	306.2	44,800			80	
85	56.7	296.6	40,100	64.6	304.0	44,300			85	
88	55.0	294.5	38,900	63.1	302.5	44,000	67.6	305.3	44,500	88
90	54.0	293.1	38,100	62.1	301.5	43,800	66.7	304.4	44,300	90
95	51.2	289.3	36,200	59.6	298.7	43,200	64.2	302.1	44,000	95
100	48.3	285.1	34,300	57.0	295.6	42,300	61.8	299.6	43,700	100
105	45.3	280.4	32,500	54.3	292.2	40,900	59.2	296.7	43,300	105
110	42.1	275.1	30,700	51.6	288.4	39,500	56.6	293.6	42,200	110
113	40.1	271.6	29,800	49.8	285.9	38,700	55.0	291.5	41,400	113
115	38.7	269.3	29,100	48.7	284.2	38,100	53.9	290.2	40,800	115
120	35.0	262.6	27,600	45.7	279.6	36,800	51.2	286.3	39,500	120
125	31.0	254.9	26,200	42.5	274.4	35,600	48.3	282.1	38,200	125
130	26.4	245.7	24,900	39.1	268.6	34,400	45.3	277.4	36,900	130
135	20.9	234.3	23,800	35.5	262.1	33,300	42.1	272.1	35,700	135
138	16.4	224.6	23,300	33.1	257.5	32,600	40.0	268.6	34,900	138
140	13.4	218.1	22,900	31.5	254.5	32,200	38.7	266.3	34,500	140
143	5.2	199.7	22,600	28.8	249.2	31,600	36.4	262.2	33,800	143
145				27.0	245.6	31,200	35.0	259.6	33,300	145
150				21.7	234.5	30,400	30.9	251.9	32,300	150
155				14.6	219.2	28,800	26.3	242.7	31,300	155
159				2.9	193.2	25,100	21.9	233.5	30,600	159
160							20.8	231.2	30,400	160
162							17.8	224.7	30,200	162
165							13.3	214.9	29,800	165
168							4.9	196.1	27,500	168
170										170
180										180
183										183
184										184
190										190
198										198
200										200
210										210
213										213
220										220
226										226

MLC250 S-3

ASME B30.5



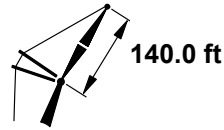
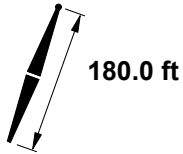
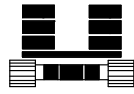
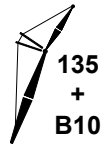
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45													45
50													50
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
113	62.9	297.2	42,300										113
115	61.9	296.1	42,300										115
120	59.4	293.3	41,200										120
125	56.8	290.2	39,200										125
130	54.1	286.8	37,300										130
135	51.3	283.0	35,500										135
138	49.6	280.4	34,600	57.8	286.5	31,000							138
140	48.4	278.7	33,900	56.7	285.3	30,400							140
143	46.6	275.9	33,000	55.1	283.2	29,600							143
145	45.4	274.1	32,400	54.1	281.8	29,100							145
150	42.2	268.9	31,000	51.3	278.0	27,800							150
155	38.9	263.0	29,700	48.4	273.8	26,600							155
159	35.9	257.7	28,800	46.0	270.0	25,800							159
160	35.2	256.4	28,500	45.4	269.1	25,500							160
162	33.6	253.3	28,100	44.1	267.0	25,100	52.6	273.7	22,300				162
165	31.2	248.7	27,400	42.2	263.9	24,500	51.0	271.3	21,700				165
168	28.4	243.3	26,700	40.2	260.4	23,900	49.2	268.8	21,200				168
170	26.6	239.7	26,300	38.8	258.0	23,500	48.1	267.1	20,800				170
180	13.8	212.5	24,300	31.1	243.7	21,800	41.8	257.0	19,200				180
183	6.2	195.5	23,700	28.1	237.6	21,300	39.7	253.2	18,800				183
184				27.1	235.5	21,100	39.0	252.0	18,600	48.0	259.5	16,200	184
190				21.1	223.3	20,100	34.7	244.4	17,800	44.3	253.7	15,500	190
198				5.9	189.8	18,900	27.7	230.7	16,700	38.9	244.5	14,500	198
200							26.0	227.3	16,500	37.6	242.2	14,300	200
210							12.6	198.6	15,200	29.6	227.1	13,200	210
213							2.4	175.7	14,800	26.4	220.4	12,900	213
220										18.8	204.9	12,200	220
226										6.9	178.6	11,600	226

MLC250 S-3

ASME B30.5



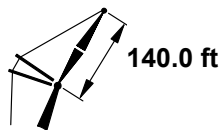
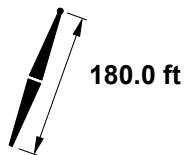
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
48	75.8	323.7	43,600 b							48
50	74.9	323.2	43,300 b							50
55	72.8	321.7	42,600							55
60	70.6	320.1	41,800							60
65	68.4	318.2	41,100							65
70	66.2	316.1	40,500							70
75	64.0	313.8	39,900	70.9	318.9	42,300				75
80	61.7	311.2	39,200	68.7	317.0	41,800				80
85	59.3	308.4	37,800	66.5	315.0	41,300				85
90	56.9	305.3	36,100	64.3	312.7	41,000				90
91	56.4	304.6	35,700	63.8	312.2	40,800	68.0	314.8	41,000	91
95	54.4	301.9	34,400	62.0	310.1	39,900	66.2	313.1	40,900	95
100	51.9	298.1	32,700	59.6	307.3	38,500	63.9	310.8	40,600	100
105	49.2	294.0	31,200	57.2	304.3	37,200	61.6	308.2	39,600	105
110	46.4	289.5	29,600	54.7	300.9	35,900	59.3	305.4	38,300	110
115	43.6	284.5	28,200	52.2	297.2	34,500	56.9	302.3	37,100	115
118	41.7	281.1	27,300	50.6	294.7	33,700	55.4	300.2	36,300	118
120	40.5	278.9	26,800	49.6	293.1	33,200	54.4	298.9	35,800	120
125	37.2	272.7	25,400	46.8	288.6	32,000	51.8	295.1	34,500	125
130	33.7	265.7	24,200	43.9	283.7	30,800	49.2	291.0	33,200	130
135	29.8	257.6	23,100	40.9	278.2	29,600	46.4	286.5	32,100	135
140	25.4	248.0	22,000	37.7	272.1	28,500	43.5	281.5	30,800	140
143	22.2	240.9	21,400	35.6	268.0	27,900	41.7	278.1	30,100	143
145	20.1	236.1	21,100	34.2	265.2	27,500	40.5	275.9	29,700	145
150	12.9	219.2	20,300	30.3	257.3	26,400	37.2	269.7	28,600	150
153	5.0	200.2	20,100	27.7	251.7	25,900	35.1	265.5	27,900	153
155				26.0	247.9	25,600	33.7	262.7	27,500	155
160				20.9	236.4	24,800	29.8	254.6	26,500	160
165				14.0	220.5	24,000	25.3	245.0	25,600	165
168				5.6	200.2	23,100	22.2	237.8	25,100	168
169				2.8	193.5	22,800	21.1	235.4	25,000	169
170							20.0	233.0	24,800	170
178							4.7	196.6	23,900	178
180										180
190										190
191										191
193										193
200										200
208										208
210										210
220										220
223										223
230										230
236										236

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ASME B30.5



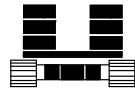
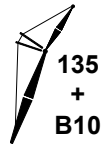
219,600 lb
+
80,000 lb



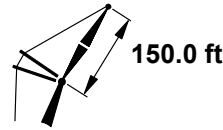
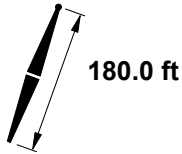
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
110													110
115													115
118	62.7	305.9	38,800										118
120	61.8	304.8	38,700										120
125	59.4	302.0	37,800										125
130	57.0	298.9	36,700										130
135	54.5	295.5	35,100										135
140	52.0	291.8	33,500										140
143	50.4	289.3	32,700	57.9	295.2	29,200							143
145	49.3	287.7	32,100	57.0	293.9	28,700							145
150	46.6	283.1	30,700	54.5	290.5	27,400							150
153	44.8	280.2	29,900	53.0	288.3	26,700							153
155	43.7	278.2	29,400	51.9	286.8	26,200							155
160	40.6	272.6	28,200	49.3	282.7	25,200							160
165	37.4	266.5	27,100	46.5	278.2	24,100							165
168	35.3	262.3	26,400	44.8	275.2	23,600	52.7	281.7	20,700				168
169	34.6	260.9	26,200	44.2	274.2	23,400	52.2	280.9	20,600				169
170	33.9	259.5	26,000	43.6	273.2	23,200	51.6	280.1	20,400				170
178	27.3	245.5	24,400	38.6	263.8	21,800	47.3	273.2	19,100				178
180	25.6	242.0	24,000	37.3	261.5	21,400	46.2	271.4	18,800				180
190	13.3	213.7	22,300	29.9	246.4	19,800	40.2	260.8	17,400				190
191	10.9	207.8	22,100	29.0	244.3	19,700	39.5	259.4	17,300	47.8	266.6	14,900	191
193	6.0	196.0	21,700	27.0	240.0	19,400	38.2	256.8	17,000	46.6	264.7	14,700	193
200				20.3	225.1	18,400	33.4	247.4	16,100	42.6	257.7	13,900	200
208				5.6	190.3	17,300	26.7	233.1	15,200	37.4	248.0	13,000	208
210							25.0	229.5	14,900	36.2	245.5	12,800	210
220							12.1	199.7	13,800	28.5	229.7	11,900	220
223							2.3	175.9	13,400	25.4	222.7	11,600	223
230										18.1	206.5	11,000	230
236										6.7	179.2	10,400	236

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ASME B30.5



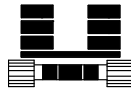
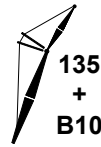
219,600 lb
+
80,000 lb



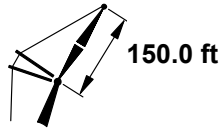
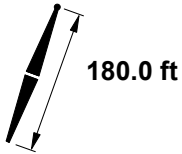
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50	75.9	333.5	40,700 b							50
55	74.0	332.2	40,000							55
60	72.0	330.6	39,300							60
65	69.9	328.9	38,600							65
70	67.9	327.0	38,100							70
75	65.8	324.8	37,400							75
78	64.5	323.4	36,600	71.0	328.4	39,100				78
80	63.7	322.5	36,100	70.2	327.7	39,000				80
85	61.6	319.9	34,700	68.2	325.8	38,600				85
90	59.4	317.0	33,400	66.1	323.7	37,900				90
95	57.1	313.9	32,100	64.0	321.4	36,700	67.9	324.0	37,900	95
100	54.8	310.6	30,900	61.8	318.8	35,300	65.8	321.9	37,400	100
105	52.4	306.9	29,500	59.6	316.0	34,000	63.7	319.5	36,300	105
110	50.0	302.9	28,400	57.4	312.9	32,800	61.5	316.9	35,100	110
115	47.4	298.5	27,100	55.1	309.6	31,500	59.3	314.1	33,800	115
120	44.8	293.7	25,900	52.7	305.9	30,300	57.1	311.0	32,700	120
122	43.7	291.5	25,400	51.8	304.3	29,800	56.2	309.6	32,200	122
125	42.0	288.4	24,700	50.3	302.0	29,000	54.8	307.6	31,400	125
130	39.1	282.5	23,600	47.8	297.6	27,900	52.4	303.9	30,200	130
135	35.9	276.0	22,500	45.1	292.9	26,700	50.0	299.9	29,000	135
140	32.5	268.7	21,400	42.4	287.6	25,600	47.4	295.5	27,900	140
145	28.8	260.2	20,500	39.5	281.9	24,600	44.8	290.7	26,700	145
149	25.4	252.2	19,800	37.0	276.7	23,800	42.5	286.4	25,900	149
150	24.5	250.3	19,600	36.3	275.5	23,600	42.0	285.4	25,700	150
155	19.4	237.9	18,900	33.0	268.2	22,600	39.0	279.5	24,600	155
160	12.5	220.4	18,200	29.3	259.9	21,700	35.9	273.0	23,600	160
163	4.8	200.6	18,100	26.8	254.1	21,300	33.9	268.6	23,000	163
165				25.1	250.2	20,900	32.5	265.6	22,600	165
170				20.1	238.2	20,100	28.7	257.2	21,800	170
174				12.4	218.4	19,600	25.0	248.2	21,100	174
179				2.7	193.7	18,900	20.3	237.0	20,300	179
180							19.4	234.8	20,200	180
188							4.6	197.0	19,200	188
190										190
198										198
200										200
203										203
210										210
218										218
220										220
230										230
233										233
240										240
246										246

MLC250 S-3

ASME B30.5



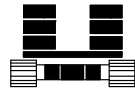
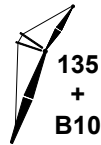
219,600 lb
+
80,000 lb



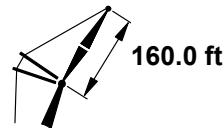
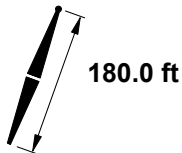
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50													50
55													55
60													60
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
122	62.9	315.1	34,900										122
125	61.7	313.5	34,300										125
130	59.5	310.7	33,400										130
135	57.2	307.6	32,300										135
140	54.9	304.2	31,300										140
145	52.5	300.5	30,200										145
149	50.6	297.3	29,300	57.6	303.2	27,600							149
150	50.1	296.5	29,100	57.2	302.6	27,300							150
155	47.6	292.2	28,000	54.9	299.2	26,200							155
160	44.9	287.4	26,900	52.5	295.6	25,100							160
163	43.2	284.2	26,300	51.0	293.1	24,500							163
165	42.1	282.1	25,800	50.1	291.5	24,000							165
170	39.2	276.3	24,800	47.5	287.2	23,100							170
174	36.6	270.8	24,100	45.3	283.1	22,400	52.7	289.7	19,700				174
179	33.3	263.9	23,100	42.6	278.1	21,500	50.3	285.7	18,900				179
180	32.7	262.5	22,900	42.1	277.1	21,300	49.8	284.9	18,700				180
188	26.3	247.9	21,500	37.2	267.2	20,100	45.6	277.5	17,600				188
190	24.7	244.2	21,100	36.0	264.8	19,800	44.6	275.6	17,300				190
198	15.2	220.7	20,000	30.3	252.2	18,600	40.0	266.6	16,300	47.7	273.8	14,000	198
200	12.9	214.8	19,700	28.9	249.1	18,300	38.8	264.4	16,000	46.6	271.9	13,800	200
203	5.8	196.6	19,400	26.1	242.4	18,000	36.8	260.2	15,700	45.0	268.8	13,500	203
210				19.6	226.8	17,000	32.2	250.4	14,900	41.1	261.5	12,800	210
218				5.5	190.8	16,000	25.8	235.4	14,000	36.1	251.3	12,000	218
220							24.1	231.7	13,800	34.9	248.7	11,800	220
230							11.7	200.8	12,800	27.5	232.2	11,000	230
233							2.2	176.1	12,500	24.5	225.0	10,700	233
240										17.5	208.1	10,100	240
246										6.5	179.8	9,600	246

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



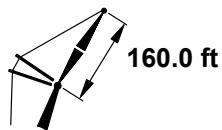
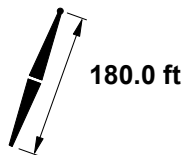
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	75.7	343.1	37,500 b							53
55	75.0	342.5	37,300							55
60	73.1	341.1	36,700							60
65	71.2	339.5	36,100							65
70	69.3	337.7	35,500							70
75	67.4	335.7	34,200							75
80	65.5	333.5	32,900							80
82	64.7	332.6	32,400	70.7	337.6	36,000				82
85	63.5	331.1	31,600	69.6	336.5	35,700				85
90	61.5	328.5	30,300	67.7	334.6	34,600				90
95	59.4	325.7	29,000	65.7	332.4	33,300				95
99	57.7	323.2	28,000	64.1	330.5	32,300	67.8	333.2	34,100	99
100	57.3	322.6	27,800	63.7	330.0	32,100	67.4	332.8	33,900	100
105	55.1	319.3	26,500	61.7	327.5	30,800	65.4	330.6	32,800	105
110	52.9	315.6	25,400	59.7	324.7	29,600	63.5	328.2	31,700	110
115	50.6	311.7	24,200	57.6	321.6	28,300	61.4	325.6	30,600	115
120	48.3	307.4	23,200	55.4	318.3	27,200	59.4	322.7	29,400	120
125	45.8	302.8	22,100	53.2	314.7	26,000	57.3	319.6	28,200	125
127	44.8	300.7	21,700	52.3	313.1	25,500	56.4	318.3	27,800	127
130	43.3	297.7	21,100	50.9	310.8	24,800	55.1	316.3	27,100	130
135	40.6	292.1	20,100	48.6	306.6	23,700	52.9	312.7	25,900	135
140	37.8	286.0	19,200	46.2	302.0	22,600	50.6	308.7	24,800	140
145	34.8	279.2	18,300	43.6	296.9	21,600	48.3	304.4	23,700	145
150	31.5	271.5	17,400	41.0	291.5	20,600	45.8	299.8	22,600	150
154	28.6	264.5	16,800	38.7	286.6	19,800	43.8	295.7	21,800	154
155	27.9	262.7	16,600	38.2	285.4	19,600	43.3	294.7	21,500	155
160	23.7	252.4	16,000	35.2	278.7	18,700	40.6	289.1	20,500	160
170	12.1	221.4	14,200	28.3	262.5	17,000	34.7	276.2	18,700	170
173	4.7	201.0	13,800	25.7	255.7	16,600	32.6	271.2	18,200	173
180				19.5	240.0	15,500	27.8	259.7	17,000	180
189				2.6	193.9	13,900	19.6	238.8	15,600	189
190							18.7	236.4	15,500	190
198							4.4	197.3	14,000	198
200										200
204										204
210										210
213										213
220										220
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MLC250 S-3

ASME B30.5



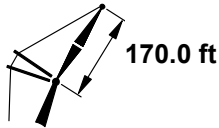
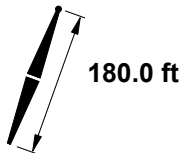
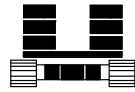
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
53													53
55													55
60													60
65													65
70													70
75													75
80													80
82													82
85													85
90													90
95													95
99													99
100													100
105													105
110													110
115													115
120													120
125													125
127	62.8	323.7	30,500										127
130	61.5	322.1	29,900										130
135	59.5	319.3	29,000										135
140	57.4	316.2	27,900										140
145	55.2	312.9	26,900										145
150	53.0	309.3	25,900										150
154	51.2	306.1	25,000	57.8	311.9	26,000							154
155	50.8	305.4	24,800	57.4	311.3	25,800							155
160	48.4	301.1	23,700	55.2	307.9	24,700							160
170	43.4	291.4	21,700	50.7	300.4	22,700							170
173	41.8	287.9	21,100	49.3	297.7	22,200							173
180	37.9	279.8	19,800	45.9	291.5	21,000	52.7	297.7	18,300				180
189	32.3	266.8	18,200	41.2	281.9	19,600	48.5	290.2	17,000				189
190	31.6	265.4	18,000	40.7	280.9	19,400	48.1	289.4	16,900				190
198	25.5	250.2	16,800	36.0	270.5	18,300	44.1	281.6	15,900				198
200	23.9	246.4	16,400	34.8	268.0	18,000	43.1	279.6	15,600				200
204	19.3	234.2	15,700	32.1	261.4	17,500	40.9	274.9	15,200	48.0	281.9	13,000	204
210	12.5	216.0	14,700	28.0	251.6	16,700	37.5	267.8	14,500	45.0	276.2	12,400	210
213	5.6	197.1	14,100	25.3	244.7	16,400	35.6	263.4	14,200	43.4	272.9	12,100	213
220				19.0	228.5	15,600	31.2	253.2	13,500	39.7	265.2	11,400	220
228				5.3	191.3	14,300	24.9	237.7	12,700	34.9	254.5	10,700	228
230							23.4	233.8	12,500	33.7	251.8	10,600	230
240							11.3	201.8	11,600	26.6	234.6	9,800	240
243							2.1	176.3	11,300	23.7	227.1	9,500	243
250										17.0	209.6	9,000	250
256										6.2	180.3	8,500	256

MLC250 S-3

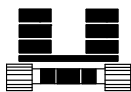
ASME B30.5



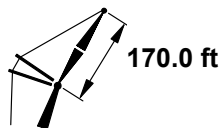
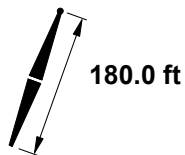
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
55	75.9	352.9	34,800						55	
60	74.1	351.5	34,200						60	
65	72.4	350.0	33,700						65	
70	70.6	348.3	32,700						70	
75	68.8	346.5	31,500						75	
80	67.0	344.5	30,300						80	
85	65.1	342.2	29,000	70.8	347.1	32,300			85	
90	63.3	339.8	27,700	69.0	345.3	31,700			90	
95	61.4	337.2	26,500	67.2	343.3	30,500			95	
100	59.4	334.4	25,400	65.4	341.1	29,300			100	
103	58.2	332.5	24,700	64.3	339.7	28,600	67.7	342.3	30,100	103
105	57.5	331.3	24,200	63.5	338.7	28,200	67.0	341.5	30,000	105
110	55.4	328.0	23,000	61.6	336.1	27,000	65.1	339.3	28,900	110
115	53.4	324.4	22,000	59.7	333.3	25,800	63.3	336.9	27,800	115
120	51.2	320.5	20,900	57.7	330.3	24,700	61.3	334.2	26,800	120
125	49.0	316.4	19,900	55.7	327.0	23,500	59.4	331.4	25,700	125
130	46.8	311.8	18,900	53.6	323.4	22,400	57.4	328.3	24,500	130
131	46.3	310.8	18,700	53.2	322.7	22,200	57.0	327.6	24,300	131
135	44.4	306.9	18,000	51.5	319.6	21,300	55.4	325.0	23,400	135
140	41.9	301.6	17,100	49.3	315.5	20,300	53.3	321.4	22,400	140
145	39.3	295.8	16,200	47.1	311.0	19,300	51.2	317.5	21,300	145
150	36.6	289.4	15,300	44.7	306.2	18,300	49.0	313.4	20,300	150
155	33.7	282.3	14,600	42.3	300.9	17,400	46.7	308.8	19,300	155
159	31.1	275.9	13,800	40.2	296.3	16,700	44.8	304.9	18,500	159
160	30.5	274.3	13,600	39.7	295.1	16,500	44.4	303.9	18,300	160
170	23.0	254.5	11,900	34.1	281.8	14,900	39.3	292.8	16,600	170
180	11.7	222.5	10,300	27.5	265.0	13,000	33.6	279.2	14,800	180
183	4.5	201.4	9,900	24.9	258.0	12,500	31.6	274.1	14,300	183
186				22.3	251.0	12,000	29.6	269.0	13,700	186
190				18.9	241.6	11,300	27.0	262.1	12,900	190
199				2.6	194.2	10,000	19.0	240.5	11,300	199
200							18.2	238.1	11,200	200
208							4.3	197.7	10,100	208
210										210
211										211
220										220
223										223
230										230
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250										250
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266										266

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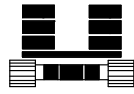
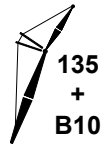
219,600 lb
+
80,000 lb



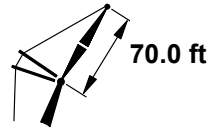
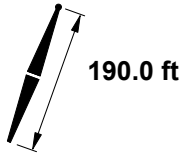
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
103													103
105													105
110													110
115													115
120													120
125													125
130													130
131	63.0	332.9	26,800										131
135	61.5	330.8	26,200										135
140	59.5	328.0	25,300										140
145	57.5	324.9	24,300										145
150	55.5	321.6	23,400										150
155	53.5	318.0	22,300										155
159	51.7	314.9	21,600	57.9	320.6	23,700							159
160	51.3	314.2	21,400	57.5	320.0	23,600							160
170	46.9	305.5	19,400	53.4	313.1	21,900							170
180	42.1	295.3	17,600	49.1	305.0	20,200							180
183	40.5	291.7	17,000	47.7	302.2	19,600							183
186	38.9	288.0	16,500	46.3	299.4	19,100	52.8	305.7	17,200				186
190	36.7	283.2	15,800	44.5	295.6	18,400	51.0	302.6	16,600				190
199	31.3	269.7	14,200	39.9	285.6	16,900	47.0	294.7	15,500				199
200	30.7	268.2	14,000	39.4	284.5	16,700	46.6	293.8	15,400				200
208	24.7	252.4	12,500	34.9	273.7	15,400	42.7	285.6	14,500				208
210	23.2	248.5	12,100	33.8	271.1	15,100	41.7	283.5	14,300				210
211	22.1	245.3	12,000	33.1	269.3	14,900	41.2	282.3	14,200	47.9	289.0	12,000	211
220	12.1	217.0	10,500	27.1	254.0	13,100	36.4	271.2	13,200	43.6	280.2	11,200	220
223	5.4	197.5	10,200	24.5	246.9	12,600	34.5	266.6	12,900	42.1	276.8	10,900	223
230				18.4	230.2	11,300	30.2	255.9	12,300	38.5	268.8	10,300	230
238				5.1	191.7	10,200	24.2	239.9	11,600	33.9	257.6	9,600	238
240							22.7	235.8	11,400	32.7	254.8	9,500	240
250							11.0	202.7	10,600	25.8	236.9	8,700	250
253							2.1	176.5	10,200	23.0	229.2	8,500	253
260										16.4	211.1	7,900	260
266										6.1	180.9	7,500	266

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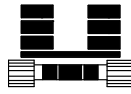
219,600 lb
+
80,000 lb



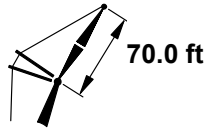
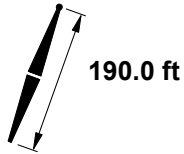
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	72.4	264.7	85,600 d						35	
40	68.1	262.9	85,200 c						40	
45	63.6	260.7	84,600 c						45	
50	58.9	258.0	83,300 c						50	
54	55.0	255.3	78,600 c	70.3	262.4	87,400 d			54	
55	54.0	254.6	77,400 b	69.4	262.0	87,400 d			55	
60	48.8	250.7	71,800 b	65.0	259.9	87,400 c			60	
65	43.1	245.8	66,600 b	60.4	257.3	83,200 c			65	
67	40.5	243.4	64,700 b	58.4	256.1	81,300 c	67.5	259.6	85,700 c	
70	36.7	239.8	61,800	55.5	254.2	78,400 b	64.8	258.3	82,800 c	
75	29.2	232.1	57,700	50.4	250.4	74,100 b	60.2	255.7	78,300 c	
80	19.2	221.0	53,000	44.9	245.9	70,000	55.4	252.5	73,900 b	
83	9.1	209.1	47,800	41.2	242.5	67,800	52.3	250.2	71,600 b	
85				38.7	240.3	66,300	50.2	248.7	70,000 b	
89				33.0	234.6	63,600	45.8	245.0	66,600 b	
90				31.6	233.2	62,900	44.7	244.1	65,800	
95				22.6	223.4	59,700	38.5	238.5	61,600	
100				6.0	203.9	48,700	31.3	231.3	57,800	
105							22.2	221.4	54,400	
110							4.4	200.3	49,500	
115									115	
120									120	
125									125	
126									126	
130									130	
135									135	
140									140	
142									142	
145									145	
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171									171	

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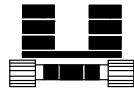
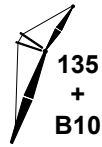
219,600 lb
+
80,000 lb



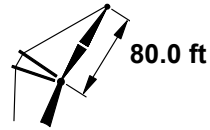
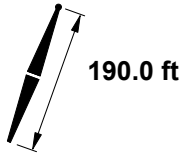
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35													35
40													40
45													45
50													50
54													54
55													55
60													60
65													65
67													67
70													70
75													75
80													80
83													83
85													85
89	62.2	253.0	60,900 c										89
90	61.3	252.5	60,100 c										90
95	56.5	249.5	56,300 b										95
100	51.4	245.9	52,900 b										100
105	46.0	241.5	49,800 b										105
110	40.0	236.1	47,000	57.2	244.8	42,600 b							110
115	33.1	229.3	44,500	52.2	241.3	40,300 b							115
120	24.6	220.3	42,200	46.8	237.0	38,200 b							120
125	11.3	204.8	40,000	40.9	231.8	36,300							125
126	5.7	198.1	39,500	39.6	230.5	36,000							126
130				34.2	225.3	34,500	52.5	234.9	31,000 b				130
135				26.0	216.7	32,900	47.1	230.7	29,500 b				135
140				14.1	203.0	31,300	41.2	225.5	28,200				140
142				3.0	189.7	30,600	38.5	223.0	27,700				142
145							34.5	219.1	26,900				145
149							28.1	212.3	25,900	47.8	223.4	23,000 b	149
150							26.5	210.6	25,700	46.7	222.5	22,800 b	150
155							14.9	197.4	24,500	40.7	217.3	21,800	155
157							5.6	186.3	24,000	38.0	214.7	21,400	157
160										34.0	210.7	20,900	160
165										25.8	202.0	20,000	165
170										13.6	188.0	19,100	170
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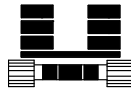
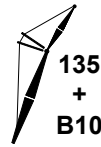
219,600 lb
+
80,000 lb



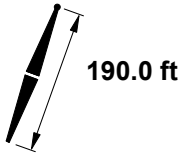
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.4	275.4	79,600 d							34
35	74.7	275.2	79,500 d							35
40	70.9	273.6	79,000 c							40
45	67.1	271.7	78,500 c							45
50	63.2	269.4	78,000 c							50
55	59.1	266.6	73,200 b							55
57	57.4	265.3	71,200 b	70.6	271.9	80,700 c				57
60	54.8	263.4	68,200 b	68.3	270.8	80,700 c				60
65	50.3	259.5	63,500 b	64.4	268.6	80,700 c				65
70	45.5	255.0	59,100	60.3	266.0	76,400 b				70
71	44.4	253.9	58,300	59.5	265.4	75,600 b	67.4	268.7	79,400 c	71
75	40.2	249.6	55,000	56.1	262.9	72,300 b	64.2	266.9	76,100 c	75
80	34.3	243.0	51,300	51.7	259.3	68,600	60.2	264.3	72,200 b	80
85	27.3	234.6	48,100	47.0	255.0	65,000	56.0	261.2	68,400 b	85
90	17.9	222.6	44,500	41.8	249.8	61,800	51.5	257.5	64,900	90
93	8.5	209.8	42,300	38.4	246.1	60,000	48.7	254.9	62,800	93
95				36.1	243.7	58,700	46.8	253.2	61,300	95
100				29.5	235.9	56,000	41.6	248.1	57,600	100
105				21.2	225.4	53,300	35.9	241.8	54,200	105
110				5.7	204.4	43,200	29.3	234.0	51,200	110
115							20.8	223.3	48,400	115
120							4.1	200.7	44,000	120
125										125
130										130
135										135
136										136
140										140
145										145
150										150
152										152
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181										181

MLC250 S-3

ASME B30.5



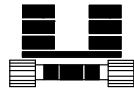
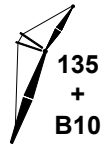
219,600 lb
+
80,000 lb



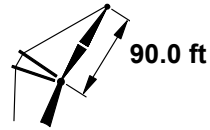
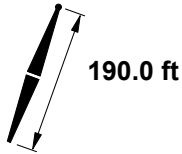
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
35													35
40													40
45													45
50													50
55													55
57													57
60													60
65													65
70													70
71													71
75													75
80													80
85													85
90													90
93	62.7	262.2	57,300 b										93
95	61.1	261.2	55,900 b										95
100	56.9	258.2	52,500 b										100
105	52.6	254.6	49,400										105
110	47.9	250.5	46,700										110
115	42.9	245.5	44,200	57.6	253.5	39,900 b							115
120	37.3	239.6	41,900	53.2	250.0	37,800 b							120
125	30.9	232.2	39,800	48.6	246.0	35,900							125
130	23.0	222.4	37,800	43.6	241.2	34,200							130
135	10.5	205.8	36,000	38.2	235.4	32,600							135
136	5.4	198.6	35,600	36.9	234.0	32,300	52.5	242.9	28,800				136
140				31.9	228.3	31,100	48.8	239.7	27,700				140
145				24.3	218.9	29,700	43.9	234.9	26,500				145
150				13.2	204.2	28,300	38.4	229.2	25,300				150
152				2.8	189.9	27,700	36.0	226.3	24,900				152
155							32.2	222.1	24,200				155
156							30.7	220.3	24,000	47.5	230.6	21,200	156
160							24.7	212.9	23,200	43.5	226.7	20,500	160
165							13.9	198.6	22,200	38.0	220.8	19,600	165
167							5.3	186.8	21,700	35.5	218.0	19,300	167
170										31.7	213.7	18,800	170
175										24.1	204.2	18,000	175
180										12.7	189.2	17,200	180
181										8.8	183.9	17,000	181

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ASME B30.5



219,600 lb
+
80,000 lb



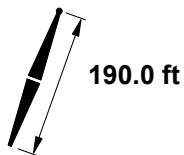
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.8	285.2	73,200 d						36	
40	73.1	284.1	72,800 c						40	
45	69.8	282.4	72,300 c						45	
50	66.3	280.4	71,800 c						50	
55	62.8	278.0	69,000 b						55	
60	59.2	275.3	64,700 b	70.8	281.5	73,900 c			60	
65	55.4	272.1	60,600 b	67.4	279.6	73,900 c			65	
70	51.4	268.4	56,700	63.9	277.3	73,900 b			70	
74	48.1	264.9	53,600	61.0	275.2	71,300 b	68.0	278.3	73,400 c	
75	47.2	264.1	52,900	60.3	274.7	70,700 b	67.3	277.9	73,400 c	
80	42.7	259.1	49,400	56.6	271.6	67,200	63.8	275.6	70,400 b	
85	37.8	253.1	46,200	52.6	268.0	63,900	60.2	273.0	67,000 b	
90	32.2	246.0	43,300	48.5	263.9	60,800	56.4	269.9	63,700	
95	25.7	237.0	40,700	44.1	259.1	57,900	52.5	266.3	60,700	
98	20.4	229.3	39,400	41.2	255.8	56,300	50.0	263.8	58,700	
100	16.9	224.1	38,500	39.3	253.5	55,200	48.4	262.2	57,400	
103	8.0	210.5	37,700	36.1	249.5	53,800	45.7	259.3	55,400	
105				34.0	246.8	52,800	44.0	257.4	54,100	
110				27.8	238.5	50,400	39.2	251.7	51,100	
115				19.9	227.2	47,400	33.8	245.0	48,400	
120				5.3	204.8	38,800	27.6	236.5	45,900	
125							19.6	225.1	43,600	
130							3.9	201.0	39,600	
135									135	
140									140	
142									142	
145									145	
146									146	
150									150	
155									155	
160									160	
162									162	
163									163	
165									165	
170									170	
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MLC250 S-3

ASME B30.5



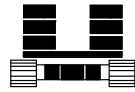
219,600 lb
+
80,000 lb



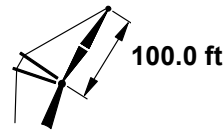
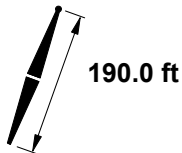
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
36													36
40													40
45													45
50													50
55													55
60													60
65													65
70													70
74													74
75													75
80													80
85													85
90													90
95													95
98	62.4	270.9	53,500 b										98
100	61.0	269.8	52,200 b										100
103	58.8	268.0	50,400 b										103
105	57.3	266.8	49,200										105
110	53.4	263.4	46,400										110
115	49.3	259.4	44,000										115
120	45.0	254.8	41,700	57.8	262.2	37,500							120
125	40.3	249.3	39,600	54.0	258.8	35,700							125
130	35.1	242.9	37,700	50.0	254.9	34,000							130
135	29.1	234.9	36,000	45.7	250.3	32,400							135
140	21.7	224.3	34,300	41.0	245.0	30,900							140
142	17.0	217.3	33,700	39.0	242.5	30,300	52.6	250.9	27,000				142
145	9.9	206.7	32,700	35.9	238.7	29,500	50.2	248.5	26,300				145
146	5.1	199.0	32,400	34.7	237.2	29,300	49.3	247.6	26,000				146
150				30.1	231.0	28,200	45.9	244.0	25,100				150
155				22.9	221.0	27,000	41.3	238.8	24,000				155
160				12.4	205.3	25,800	36.2	232.5	23,000				160
162				2.7	190.2	25,300	33.8	229.5	22,600				162
163							32.7	228.0	22,500	47.3	237.7	19,700	163
165							30.4	224.9	22,100	45.5	235.8	19,400	165
170							23.3	215.0	21,200	40.9	230.5	18,600	170
175							13.1	199.8	20,300	35.7	224.2	17,800	175
177							5.0	187.2	19,900	33.4	221.1	17,500	177
180										29.9	216.4	17,100	180
185										22.7	206.3	16,400	185
190										11.9	190.2	15,700	190
191										8.3	184.6	15,500	191

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ASME B30.5



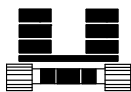
219,600 lb
+
80,000 lb



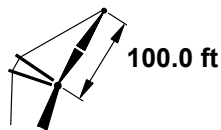
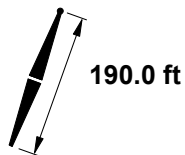
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39	75.5	294.8	55,800 d							39
40	74.9	294.5	55,600 d							40
45	71.9	293.0	54,300 c							45
50	68.8	291.2	53,000 b							50
55	65.7	289.1	51,800 b							55
60	62.5	286.7	50,600 b							60
63	60.6	285.0	50,000 b	71.0	291.0	54,900 c				63
65	59.3	283.9	49,600	69.8	290.3	54,600 c				65
70	55.9	280.8	48,500	66.7	288.3	53,800 b				70
75	52.3	277.1	47,500	63.5	286.0	52,900 b				75
78	50.1	274.7	46,900	61.6	284.4	52,400 b	67.8	287.5	53,800 b	78
80	48.6	273.0	46,500	60.3	283.3	52,000	66.6	286.7	53,600 b	80
85	44.7	268.3	44,100	56.9	280.3	51,100	63.4	284.3	53,000 b	85
90	40.4	262.8	41,400	53.4	276.8	50,300	60.1	281.6	52,400	90
95	35.8	256.5	38,900	49.8	272.8	49,400	56.8	278.6	51,700	95
100	30.6	248.8	36,600	45.9	268.3	48,500	53.3	275.1	51,000	100
102	28.1	245.0	35,800	44.2	266.2	48,200	51.8	273.5	50,700	102
105	24.3	239.2	34,600	41.7	263.1	47,700	49.6	271.1	50,300	105
110	16.0	225.6	32,900	37.2	257.0	46,800	45.7	266.5	49,600	110
113	7.6	211.2	32,300	34.2	252.7	46,400	43.3	263.4	48,700	113
115				32.2	249.8	46,100	41.6	261.3	48,100	115
120				26.4	240.9	43,500	37.1	255.2	45,600	120
125				18.9	228.9	41,000	32.0	247.9	43,400	125
126				16.1	224.2	39,600	30.8	246.1	42,900	126
130				5.1	205.3	34,100	26.1	238.9	41,300	130
135							18.6	226.8	39,300	135
140							3.7	201.4	34,800	140
145										145
148										148
150										150
155										155
156										156
160										160
165										165
169										169
170										170
172										172
175										175
180										180
185										185
187										187
190										190
200										200
201										201

MLC250 S-3

ASME B30.5



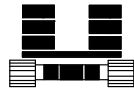
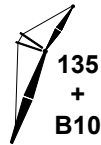
219,600 lb
+
80,000 lb



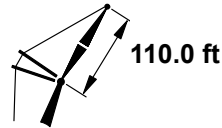
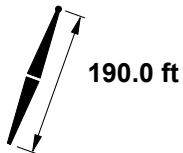
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95													95
100													100
102	62.8	280.1	50,500 b										102
105	60.9	278.5	48,800										105
110	57.6	275.5	46,000										110
113	55.5	273.5	44,600										113
115	54.1	272.1	43,600										115
120	50.5	268.3	41,300										120
125	46.7	263.8	39,300										125
126	45.8	262.8	38,900	57.4	270.2	34,900							126
130	42.6	258.8	37,400	54.6	267.5	33,500							130
135	38.1	252.9	35,600	51.0	263.7	31,900							135
140	33.2	245.9	34,000	47.2	259.4	30,500							140
145	27.6	237.4	32,500	43.2	254.4	29,100							145
148	23.3	230.7	31,700	40.6	251.0	28,400	52.7	258.9	25,100				148
150	20.5	226.2	31,100	38.8	248.7	27,900	51.2	257.4	24,700				150
155	9.4	207.5	29,700	34.0	241.9	26,700	47.4	253.1	23,600				155
156	4.8	199.5	29,400	32.9	240.2	26,500	46.6	252.1	23,400				156
160				28.5	233.6	25,600	43.4	248.1	22,600				160
165				21.7	223.0	24,500	39.1	242.4	21,700				165
169				13.8	209.7	23,700	35.2	237.0	21,000	47.9	245.8	18,300	169
170				11.8	206.3	23,500	34.3	235.7	20,800	47.1	244.9	18,100	170
172				2.5	190.4	23,000	32.1	232.4	20,500	45.5	242.9	17,800	172
175							28.8	227.6	20,000	43.1	239.9	17,400	175
180							22.1	217.0	19,200	38.7	234.1	16,700	180
185							12.4	200.9	18,400	33.9	227.3	16,000	185
187							4.7	187.6	18,000	31.6	224.0	15,800	187
190										28.3	219.0	15,400	190
200										11.3	191.3	14,100	200
201										7.9	185.3	14,000	201

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ASME B30.5



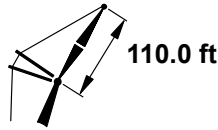
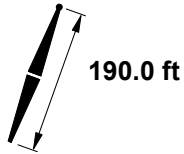
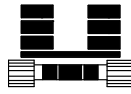
219,600 lb
+
80,000 lb



	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41	75.7	304.6	52,700 c							41
45	73.6	303.5	51,800 c							45
50	70.8	301.9	50,700 c							50
55	68.1	300.0	49,700 b							55
60	65.2	297.9	48,700 b							60
65	62.3	295.4	47,700 b							65
67	61.1	294.3	47,400 b	70.6	300.2	51,500 b				67
70	59.3	292.6	46,800	68.9	299.1	51,100 b				70
75	56.3	289.4	45,900	66.1	297.0	50,400 b				75
80	53.1	285.9	45,100	63.2	294.7	49,700				80
82	51.7	284.3	44,100	62.0	293.6	49,500	67.7	296.7	50,500 b	82
85	49.7	281.9	42,500	60.2	292.0	49,100	66.0	295.4	50,200 b	85
90	46.2	277.4	40,100	57.2	288.9	48,300	63.1	293.0	49,800	90
95	42.5	272.3	37,700	54.0	285.5	47,600	60.1	290.3	49,300	95
100	38.5	266.4	35,600	50.7	281.7	46,900	57.1	287.2	48,800	100
105	34.1	259.6	33,600	47.3	277.3	46,200	53.9	283.8	48,200	105
107	32.1	256.4	32,800	45.8	275.4	45,900	52.6	282.3	48,000	107
110	29.1	251.5	31,700	43.6	272.4	45,500	50.6	279.9	47,700	110
115	23.2	241.3	30,200	39.7	266.8	44,900	47.2	275.6	47,100	115
120	15.3	226.9	28,900	35.5	260.3	42,700	43.5	270.6	45,600	120
123	7.3	211.9	28,400	32.6	255.7	41,300	41.1	267.2	44,300	123
125				30.7	252.6	40,400	39.6	265.0	43,400	125
130				25.1	243.2	38,100	35.3	258.5	41,300	130
131				23.7	240.6	37,700	34.3	256.9	40,900	131
135				18.0	230.5	36,100	30.5	250.7	39,400	135
140				4.8	205.7	31,500	24.9	241.2	37,600	140
145							17.7	228.4	36,000	145
150							3.5	201.7	32,400	150
154										154
155										155
160										160
165										165
166										166
170										170
175										175
176										176
180										180
182										182
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211										211

MLC250 S-3

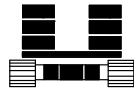
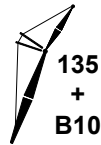
ASME B30.5



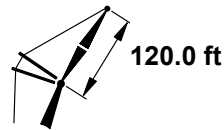
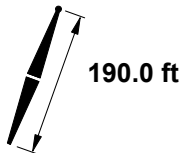
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
50													50
55													55
60													60
65													65
67													67
70													70
75													75
80													80
82													82
85													85
90													90
95													95
100													100
105													105
107	62.6	288.8	47,600										107
110	60.8	287.2	46,000										110
115	57.8	284.2	43,500										115
120	54.6	280.8	41,300										120
123	52.7	278.6	40,100										123
125	51.4	277.1	39,200										125
130	48.0	272.8	37,400										130
131	47.2	271.9	37,000	57.6	278.9	33,200							131
135	44.4	268.0	35,600	55.1	276.2	31,900							135
140	40.5	262.6	34,000	51.9	272.5	30,500							140
145	36.3	256.3	32,500	48.5	268.3	29,100							145
150	31.6	248.8	31,100	44.9	263.6	27,900							150
154	27.3	241.6	30,100	41.9	259.3	26,900	52.7	266.9	23,800				154
155	26.3	239.8	29,800	41.1	258.3	26,700	52.0	266.2	23,600				155
160	19.6	228.0	28,600	37.0	252.1	25,600	48.7	262.0	22,600				160
165	9.0	208.3	27,400	32.4	244.9	24,600	45.1	257.3	21,700				165
166	4.6	199.9	27,100	31.3	243.1	24,400	44.3	256.3	21,500				166
170				27.1	236.1	23,600	41.3	252.0	20,800				170
175				20.7	224.8	22,600	37.2	245.9	20,000				175
176				18.8	221.3	22,500	36.3	244.4	19,800	47.7	252.9	17,200	176
180				11.2	207.3	21,700	32.6	238.7	19,200	44.8	249.1	16,700	180
182				2.4	190.6	21,300	30.5	235.2	18,900	43.3	247.0	16,400	182
185							27.4	230.0	18,500	41.0	243.7	16,000	185
190							21.0	218.9	17,700	36.8	237.5	15,400	190
197							4.5	188.0	16,700	29.9	226.3	14,600	197
200										27.0	221.5	14,200	200
210										10.8	192.2	13,100	210
211										7.5	186.0	13,000	211

MLC250 S-3

ASME B30.5



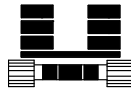
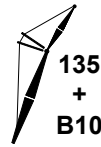
219,600 lb
+
80,000 lb



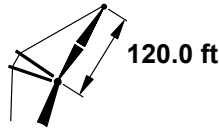
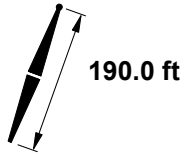
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	76.0	314.4	49,400 c							43
45	75.0	313.9	49,000 c							45
50	72.5	312.4	48,000 c							50
55	70.0	310.7	47,100 b							55
60	67.4	308.8	46,300 b							60
65	64.8	306.6	45,500							65
70	62.1	304.1	44,600	70.7	309.8	48,100 b				70
75	59.4	301.3	43,900	68.2	307.9	47,500 b				75
80	56.6	298.1	42,900	65.6	305.8	47,000				80
85	53.7	294.6	40,600	62.9	303.3	46,400				85
86	53.0	293.9	40,200	62.4	302.8	46,300	67.6	305.8	47,000	86
90	50.6	290.8	38,400	60.2	300.6	45,800	65.5	304.1	46,700	90
95	47.5	286.4	36,300	57.4	297.6	45,200	62.8	301.7	46,400	95
100	44.1	281.6	34,300	54.5	294.2	44,700	60.1	299.0	45,900	100
105	40.6	276.1	32,500	51.6	290.5	44,100	57.3	295.9	45,500	105
110	36.8	269.8	30,700	48.4	286.3	43,200	54.4	292.5	45,200	110
111	35.9	268.4	30,400	47.8	285.3	42,900	53.8	291.8	45,100	111
115	32.6	262.6	29,100	45.2	281.6	41,700	51.5	288.8	44,700	115
120	27.8	254.0	27,600	41.7	276.3	40,300	48.3	284.5	43,400	120
125	22.2	243.3	26,300	38.0	270.3	39,000	45.0	279.8	42,000	125
130	14.6	228.3	25,300	33.9	263.4	37,300	41.6	274.5	40,600	130
133	6.9	212.5	24,900	31.2	258.5	36,100	39.3	270.9	39,700	133
135				29.3	255.3	35,400	37.8	268.5	39,100	135
136				28.3	253.3	35,000	37.0	267.1	38,800	136
140				24.0	245.3	33,500	33.7	261.6	37,400	140
145				17.2	232.1	31,800	29.2	253.4	35,700	145
150				4.6	206.1	28,600	23.8	243.3	34,200	150
155							16.9	229.9	32,800	155
160							3.4	202.0	29,400	160
165										165
170										170
175										175
176										176
180										180
183										183
185										185
190										190
192										192
195										195
200										200
207										207
210										210
220										220
221										221

MLC250 S-3

ASME B30.5



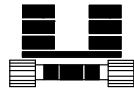
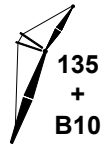
219,600 lb
+
80,000 lb



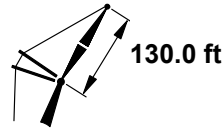
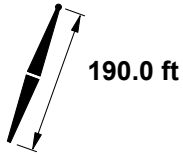
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
86													86
90													90
95													95
100													100
105													105
110													110
111	62.9	298.0	44,800										111
115	60.7	295.8	43,100										115
120	58.0	292.9	40,900										120
125	55.1	289.6	38,900										125
130	52.1	285.9	37,000										130
133	50.3	283.4	36,000										133
135	49.1	281.8	35,300										135
136	48.4	280.8	34,900	57.8	287.5	31,200							136
140	45.8	277.2	33,700	55.5	284.9	30,000							140
145	42.4	272.0	32,200	52.6	281.3	28,700							145
150	38.7	266.2	30,800	49.5	277.2	27,500							150
155	34.7	259.5	29,500	46.3	272.7	26,300							155
160	30.3	251.6	28,300	42.9	267.6	25,200	52.7	274.9	22,200				160
165	25.1	242.1	27,200	39.3	261.9	24,200	49.7	270.9	21,300				165
170	18.7	229.6	26,100	35.3	255.4	23,200	46.5	266.4	20,400				170
175	8.6	209.1	25,000	31.0	247.7	22,300	43.1	261.4	19,600				175
176	4.4	200.3	24,800	30.0	245.8	22,100	42.3	260.2	19,400				176
180				26.0	238.5	21,500	39.5	255.7	18,800				180
183				22.3	231.4	21,000	37.1	251.8	18,400	47.5	260.1	15,900	183
185				19.8	226.6	20,600	35.5	249.2	18,100	46.2	258.2	15,600	185
190				10.7	208.3	19,800	31.2	241.6	17,400	42.8	253.1	15,000	190
192				2.3	190.8	19,400	29.2	237.9	17,100	41.3	250.8	14,800	192
195							26.2	232.4	16,700	39.2	247.4	14,400	195
200							20.1	220.8	16,100	35.2	240.8	13,800	200
207							4.3	188.4	15,200	28.6	228.9	13,100	207
210										25.8	223.8	12,800	210
220										10.3	193.1	11,800	220
221										7.2	186.7	11,700	221

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



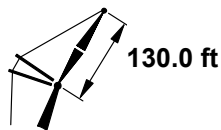
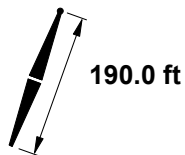
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	75.7	324.0	46,000 c							46
50	73.9	322.9	45,400 b							50
55	71.6	321.3	44,600 b							55
60	69.2	319.5	43,800							60
65	66.8	317.5	43,100							65
70	64.4	315.3	42,400							70
73	62.9	313.7	41,900	70.9	319.3	44,800				73
75	62.0	312.7	41,700	69.9	318.6	44,600				75
80	59.4	309.9	40,600	67.6	316.7	44,100				80
85	56.8	306.8	38,600	65.2	314.5	43,700				85
89	54.7	304.1	37,100	63.2	312.5	43,300	68.0	315.4	43,700	89
90	54.2	303.4	36,700	62.7	312.0	43,200	67.5	315.0	43,600	90
95	51.4	299.6	34,900	60.2	309.3	42,700	65.1	312.8	43,400	95
100	48.5	295.4	33,100	57.6	306.3	42,200	62.6	310.3	43,000	100
105	45.5	290.7	31,400	55.0	303.0	41,000	60.1	307.6	42,700	105
110	42.3	285.5	29,800	52.2	299.3	39,600	57.5	304.6	42,400	110
115	38.9	279.7	28,200	49.4	295.2	38,300	54.9	301.2	41,100	115
116	38.2	278.4	27,900	48.8	294.3	38,100	54.3	300.5	40,800	116
120	35.3	273.1	26,800	46.4	290.7	37,000	52.1	297.5	39,800	120
125	31.3	265.5	25,400	43.3	285.7	35,800	49.3	293.5	38,500	125
130	26.7	256.4	24,300	40.0	280.0	34,600	46.3	288.9	37,200	130
135	21.3	245.2	23,200	36.4	273.7	33,400	43.2	283.9	36,000	135
140	14.0	229.5	22,400	32.5	266.4	32,400	39.9	278.2	34,800	140
141	11.6	224.0	22,300	31.6	264.7	32,200	39.1	276.9	34,600	141
143	6.7	213.1	22,100	29.9	261.3	31,700	37.7	274.4	34,100	143
145				28.2	257.8	31,300	36.3	271.8	33,600	145
150				23.1	247.4	29,700	32.4	264.5	32,700	150
155				16.6	233.5	28,200	28.0	255.9	31,600	155
160				4.4	206.5	26,000	22.9	245.4	30,800	160
165							16.3	231.3	30,000	165
166							13.7	225.5	29,400	166
170							3.3	202.3	26,800	170
175										175
180										180
186										186
189										189
190										190
200										200
202										202
210										210
217										217
220										220
230										230
231										231

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



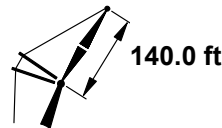
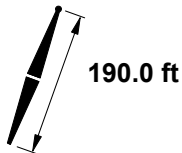
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105													105
110													110
115													115
116	62.7	306.6	41,400										116
120	60.7	304.5	40,600										120
125	58.1	301.5	38,600										125
130	55.5	298.3	36,700										130
135	52.8	294.6	35,000										135
140	50.0	290.6	33,400										140
141	49.4	289.8	33,100	58.0	296.2	29,500							141
143	48.2	288.0	32,600	56.9	294.9	29,000							143
145	47.0	286.2	32,000	55.9	293.6	28,400							145
150	43.9	281.3	30,600	53.2	290.0	27,200							150
155	40.6	275.8	29,300	50.4	286.1	26,000							155
160	37.1	269.6	28,100	47.5	281.7	25,000							160
165	33.3	262.5	27,000	44.4	276.9	24,000							165
166	32.4	260.8	26,800	43.7	275.8	23,800	52.8	282.9	20,800				166
170	29.0	254.2	25,900	41.1	271.5	23,000	50.5	279.8	20,100				170
175	24.1	244.3	24,900	37.7	265.4	22,100	47.6	275.4	19,300				175
180	18.0	231.3	24,000	33.9	258.5	21,300	44.5	270.6	18,600				180
186	4.2	200.6	22,800	28.5	247.8	20,300	40.5	263.8	17,700				186
189				25.8	242.5	19,800	38.5	260.3	17,300	48.0	268.2	14,800	189
190				24.9	240.7	19,700	37.8	259.2	17,200	47.4	267.2	14,700	190
200				10.3	209.2	18,200	29.9	244.3	15,900	41.0	257.0	13,600	200
202				2.2	191.0	17,900	27.8	239.9	15,700	39.6	254.3	13,400	202
210							19.3	222.5	14,700	33.8	243.9	12,600	210
217							4.1	188.8	13,900	27.5	231.4	11,900	217
220										24.8	226.0	11,600	220
230										9.9	194.0	10,700	230
231										6.9	187.3	10,600	231

MLC250 S-3

ASME B30.5



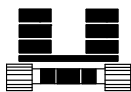
219,600 lb
+
80,000 lb



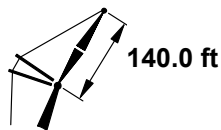
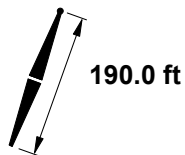
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
48	75.9	333.8	43,000 b						48	
50	75.1	333.3	42,700 b						50	
55	72.9	331.8	41,900 b						55	
60	70.8	330.2	41,200						60	
65	68.6	328.3	40,500						65	
70	66.4	326.3	39,900						70	
75	64.1	323.9	39,300						75	
76	63.7	323.4	39,000	71.0	328.9	41,600			76	
80	61.8	321.4	38,000	69.3	327.4	41,200			80	
85	59.5	318.6	36,400	67.0	325.4	40,800			85	
90	57.1	315.5	34,800	64.8	323.2	40,400			90	
93	55.6	313.4	33,800	63.4	321.7	40,100	67.9	324.6	40,300	93
95	54.6	312.1	33,200	62.5	320.7	39,900	67.0	323.7	40,200	95
100	52.0	308.4	31,700	60.2	318.0	38,600	64.7	321.5	40,000	100
105	49.4	304.3	30,200	57.8	315.0	37,300	62.4	319.0	39,700	105
110	46.6	299.8	28,700	55.3	311.7	36,000	60.1	316.3	38,500	110
115	43.8	294.8	27,300	52.8	308.0	34,700	57.7	313.3	37,300	115
120	40.7	289.3	26,000	50.2	304.1	33,400	55.3	309.9	36,000	120
125	37.5	283.2	24,700	47.5	299.7	32,200	52.7	306.3	34,800	125
130	34.0	276.2	23,500	44.6	294.9	31,100	50.1	302.3	33,600	130
135	30.1	268.2	22,500	41.7	289.5	29,800	47.4	297.9	32,300	135
140	25.7	258.8	21,400	38.5	283.6	28,800	44.5	293.1	31,200	140
145	20.5	247.1	20,600	35.1	276.9	27,700	41.5	287.7	30,000	145
147	17.7	240.5	20,300	33.6	273.8	27,300	40.3	285.4	29,600	147
150	13.5	230.7	19,900	31.3	269.3	26,700	38.4	281.8	28,900	150
153	6.4	213.7	19,600	28.8	263.9	26,200	36.3	277.7	28,300	153
155				27.1	260.3	25,800	34.9	275.1	27,900	155
160				22.2	249.4	24,900	31.2	267.4	26,900	160
165				16.0	235.0	24,300	27.0	258.4	25,900	165
170				4.3	206.9	23,700	22.0	247.4	25,200	170
172							19.5	241.5	24,900	172
175							15.7	232.7	24,400	175
180							3.1	202.6	23,900	180
185										185
190										190
196										196
200										200
210										210
212										212
220										220
227										227
230										230
240										240
241										241

MLC250 S-3

ASME B30.5



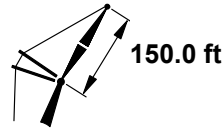
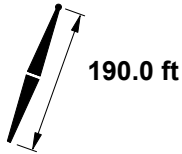
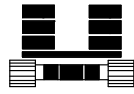
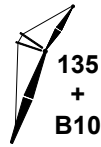
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
93													93
95													95
100													100
105													105
110													110
115													115
120	63.0	315.8	38,000										120
125	60.6	313.1	37,900										125
130	58.3	310.2	36,300										130
135	55.8	306.9	34,600										135
140	53.3	303.4	33,100										140
145	50.7	299.5	31,600										145
147	49.6	297.8	31,000	57.7	304.2	27,500							147
150	48.0	295.2	30,200	56.2	302.3	26,800							150
153	46.3	292.4	29,500	54.7	300.2	26,100							153
155	45.2	290.5	29,000	53.7	298.8	25,600							155
160	42.2	285.2	27,800	51.1	294.9	24,600							160
165	39.1	279.4	26,700	48.4	290.7	23,600							165
170	35.7	272.9	25,600	45.6	286.0	22,600							170
172	34.3	269.9	25,200	44.5	284.0	22,300	52.8	290.9	19,400				172
175	32.1	265.4	24,600	42.7	280.9	21,700	51.2	288.6	18,900				175
180	28.0	256.8	23,700	39.6	275.2	20,900	48.6	284.4	18,100				180
185	23.2	246.3	22,800	36.3	268.7	20,100	45.8	279.7	17,400				185
190	17.3	232.8	21,900	32.6	261.5	19,300	42.8	274.6	16,800				190
196	4.1	201.0	20,900	27.4	250.3	18,500	39.0	267.4	16,000	47.8	275.3	13,600	196
200				24.0	242.9	17,900	36.4	262.5	15,500	45.5	271.5	13,200	200
210				9.9	210.1	16,600	28.8	246.9	14,400	39.5	260.6	12,200	210
212				2.2	191.2	16,300	26.8	242.4	14,200	38.1	257.9	12,000	212
220							18.6	224.2	13,300	32.5	246.9	11,200	220
227							4.0	189.1	12,600	26.4	233.8	10,600	227
230										23.8	228.2	10,400	230
240										9.6	194.9	9,600	240
241										6.7	187.9	9,500	241

MLC250 S-3

ASME B30.5



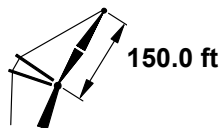
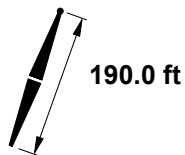
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51	75.7	343.3	39,900 b							51
55	74.1	342.2	39,400							55
60	72.1	340.7	38,700							60
65	70.1	339.0	38,100							65
70	68.0	337.1	37,500							70
75	66.0	335.0	36,900							75
80	63.8	332.6	35,500	70.7	338.1	38,500				80
85	61.7	330.1	34,200	68.7	336.2	38,100				85
90	59.5	327.2	32,900	66.6	334.1	37,700				90
95	57.3	324.2	31,500	64.5	331.9	36,600				95
97	56.3	322.8	31,000	63.6	330.9	36,200	67.8	333.7	37,200	97
100	55.0	320.8	30,200	62.4	329.4	35,500	66.5	332.5	37,100	100
105	52.6	317.1	28,800	60.2	326.6	34,200	64.4	330.2	36,300	105
110	50.2	313.1	27,600	57.9	323.6	33,000	62.3	327.7	35,200	110
115	47.6	308.8	26,300	55.7	320.4	31,700	60.1	324.9	34,100	115
120	45.0	304.0	25,200	53.3	316.8	30,500	57.9	321.9	32,900	120
125	42.2	298.8	23,900	50.9	312.9	29,300	55.6	318.6	31,700	125
130	39.3	292.9	22,900	48.4	308.6	28,100	53.2	315.1	30,500	130
135	36.2	286.5	21,800	45.8	304.0	27,000	50.8	311.2	29,400	135
140	32.8	279.2	20,900	43.1	298.9	25,900	48.3	306.9	28,300	140
145	29.1	270.8	20,000	40.2	293.3	24,800	45.7	302.2	27,100	145
150	24.8	261.0	19,100	37.1	287.0	23,900	43.0	297.1	26,000	150
152	22.8	256.1	18,800	35.8	284.2	23,500	41.8	294.8	25,600	152
155	19.8	248.8	18,400	33.8	280.0	22,900	40.1	291.5	24,900	155
160	13.1	231.9	17,800	30.2	272.0	21,900	37.0	285.2	24,000	160
163	6.2	214.2	17,600	27.8	266.4	21,400	35.0	281.0	23,400	163
165				26.2	262.7	21,100	33.7	278.1	23,000	165
170				21.5	251.3	20,300	30.1	270.1	22,100	170
175				15.4	236.3	19,700	26.0	260.7	21,200	175
178				8.6	218.9	19,300	23.2	253.9	20,800	178
180				4.1	207.3	19,100	21.3	249.3	20,500	180
185							15.1	234.1	19,700	185
190							3.0	202.8	19,200	190
200										200
203										203
206										206
210										210
220										220
222										222
230										230
237										237
240										240
250										250
251										251

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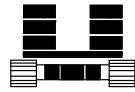
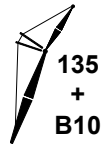
219,600 lb
+
80,000 lb



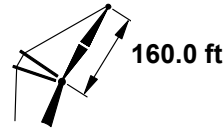
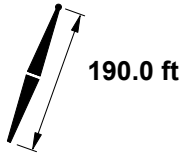
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51													51
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
97													97
100													100
105													105
110													110
115													115
120													120
125	62.8	324.5	34,400										125
130	60.6	321.8	33,500										130
135	58.4	318.9	32,600										135
140	56.1	315.6	31,600										140
145	53.8	312.1	30,600										145
150	51.4	308.3	29,500										150
152	50.4	306.6	29,100	57.8	312.9	26,200							152
155	48.9	304.1	28,500	56.5	311.0	25,500							155
160	46.3	299.6	27,400	54.1	307.5	24,500							160
163	44.7	296.5	26,800	52.7	305.2	23,900							163
165	43.6	294.5	26,300	51.7	303.7	23,500							165
170	40.7	289.0	25,300	49.3	299.6	22,500							170
175	37.7	282.9	24,300	46.7	295.1	21,600							175
178	35.8	278.8	23,800	45.1	292.1	21,100	52.8	298.9	18,400				178
180	34.5	276.0	23,400	44.0	290.2	20,800	51.9	297.4	18,100				180
185	30.9	268.3	22,500	41.2	284.7	20,000	49.4	293.3	17,400				185
190	27.0	259.2	21,600	38.2	278.7	19,300	46.8	288.8	16,700				190
200	16.7	234.3	20,100	31.5	264.3	17,900	41.3	278.5	15,400				200
203	10.3	217.8	19,700	29.0	258.5	17,500	39.5	274.7	15,100	47.7	282.5	12,800	203
206	3.9	201.4	19,400	26.5	252.7	17,100	37.6	270.8	14,800	46.1	279.5	12,500	206
210				23.2	245.0	16,600	35.1	265.8	14,300	43.9	275.6	12,100	210
220				9.6	211.0	15,400	27.8	249.4	13,300	38.1	264.1	11,200	220
222				2.1	191.4	15,200	25.9	244.7	13,100	36.8	261.3	11,000	222
230							18.0	225.8	12,300	31.4	249.7	10,300	230
237							3.8	189.5	11,600	25.5	236.1	9,800	237
240										23.0	230.3	9,500	240
250										9.3	195.7	8,700	250
251										6.5	188.4	8,600	251

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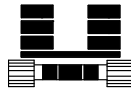
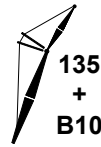
219,600 lb
+
80,000 lb



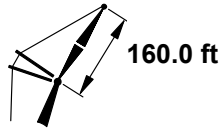
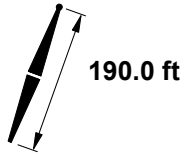
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
53	75.9	353.1	37,000 b						53	
55	75.1	352.6	36,800						55	
60	73.3	351.2	36,200						60	
65	71.4	349.6	35,600						65	
70	69.5	347.8	35,000						70	
75	67.5	345.9	34,000						75	
80	65.6	343.7	32,700						80	
83	64.4	342.3	32,000	70.8	347.6	35,400			83	
85	63.6	341.3	31,500	70.0	346.9	35,300			85	
90	61.6	338.7	30,200	68.1	345.0	34,500			90	
95	59.5	335.9	29,000	66.2	342.9	33,300			95	
100	57.4	332.8	27,800	64.2	340.6	32,200			100	
101	57.0	332.2	27,500	63.8	340.0	31,900	67.7	342.9	33,600	101
105	55.3	329.5	26,600	62.2	338.0	30,900	66.1	341.2	32,900	105
110	53.1	325.9	25,400	60.2	335.3	29,800	64.1	338.9	31,900	110
115	50.8	322.0	24,300	58.1	332.3	28,500	62.1	336.4	30,800	115
120	48.5	317.7	23,200	55.9	329.0	27,300	60.1	333.6	29,700	120
125	46.0	313.1	22,100	53.8	325.5	26,200	58.0	330.6	28,500	125
129	44.0	309.1	21,300	52.0	322.5	25,300	56.3	328.0	27,600	129
130	43.5	308.1	21,100	51.5	321.7	25,100	55.9	327.3	27,400	130
135	40.8	302.5	20,200	49.2	317.6	24,000	53.7	323.8	26,300	135
140	38.0	296.4	19,300	46.8	313.1	22,800	51.4	320.0	25,100	140
145	35.0	289.7	18,400	44.3	308.1	21,800	49.1	315.8	24,000	145
150	31.7	282.1	17,500	41.6	302.8	20,800	46.7	311.3	22,900	150
155	28.1	273.4	16,800	38.9	296.9	19,900	44.2	306.4	21,900	155
157	26.5	269.3	16,500	37.7	294.2	19,500	43.1	304.2	21,500	157
160	24.0	263.2	16,000	35.9	290.3	18,900	41.5	301.0	20,900	160
170	12.6	233.0	14,300	29.2	274.7	17,200	35.8	288.5	19,000	170
173	6.0	214.7	13,900	26.7	268.2	16,800	33.8	283.8	18,500	173
180				20.8	253.2	15,800	29.1	272.7	17,300	180
184				14.1	235.0	15,000	25.7	264.1	16,700	184
190				4.0	207.6	14,000	20.6	251.1	15,800	190
200							2.9	203.1	14,000	200
209										209
210										210
216										216
220										220
230										230
232										232
240										240
247										247
250										250
260										260
261										261

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ASME B30.5



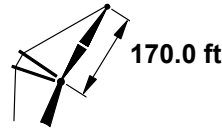
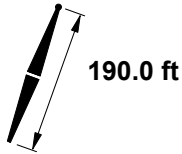
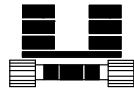
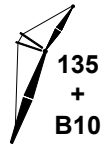
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
53													53
55													55
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
129	63.0	333.7	30,100										129
130	62.6	333.2	30,100										130
135	60.6	330.5	29,200										135
140	58.5	327.5	28,300										140
145	56.4	324.3	27,300										145
150	54.2	320.9	26,300										150
155	51.9	317.1	25,300										155
157	51.0	315.5	24,900	58.0	321.6	24,700							157
160	49.6	313.0	24,300	56.7	319.7	24,100							160
170	44.7	303.8	22,200	52.3	312.5	22,100							170
173	43.1	300.4	21,600	50.9	310.0	21,600							173
180	39.4	292.7	20,300	47.6	304.1	20,400							180
184	37.0	287.2	19,600	45.6	300.1	19,800	52.8	306.9	17,100				184
190	33.4	279.1	18,500	42.5	294.1	18,900	50.1	302.2	16,300				190
200	26.1	261.6	16,900	36.9	282.1	17,500	45.2	293.0	15,000				200
209	17.2	238.3	15,500	31.1	268.6	16,400	40.5	283.2	14,000	48.0	290.5	11,700	209
210	16.2	235.8	15,300	30.5	267.1	16,300	40.0	282.2	13,900	47.5	289.6	11,600	210
216	3.8	201.7	14,200	25.6	255.0	15,600	36.4	274.2	13,300	44.5	283.6	11,100	216
220				22.4	247.0	15,100	34.0	268.9	12,900	42.5	279.6	10,700	220
230				9.3	211.8	14,100	26.9	251.9	12,000	36.8	267.5	9,800	230
232				2.0	191.6	13,800	25.0	247.0	11,800	35.5	264.5	9,600	232
240							17.4	227.3	11,100	30.4	252.5	9,000	240
247							3.7	189.8	10,500	24.7	238.3	8,500	247
250										22.3	232.3	8,200	250
260										9.0	196.5	7,500	260
261										6.2	189.0	7,400	261

MLC250 S-3

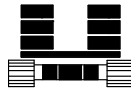
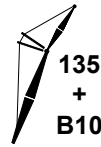
ASME B30.5



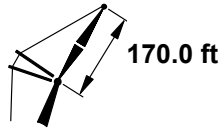
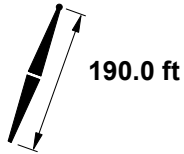
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	76.0	362.9	34,300							55
60	74.3	361.6	33,700							60
65	72.5	360.1	32,900							65
70	70.7	358.5	32,100							70
75	68.9	356.6	31,200							75
80	67.1	354.6	30,100							80
85	65.3	352.4	28,900							85
86	64.9	351.9	28,600	70.9	357.1	31,600				86
90	63.4	350.0	27,700	69.5	355.7	31,300				90
95	61.5	347.4	26,500	67.7	353.7	30,600				95
100	59.6	344.6	25,400	65.8	351.6	29,500				100
104	58.0	342.1	24,400	64.3	349.7	28,500	68.0	352.5	29,400	104
105	57.6	341.5	24,200	64.0	349.2	28,300	67.6	352.1	29,400	105
110	55.6	338.2	23,100	62.1	346.7	27,200	65.8	349.9	29,100	110
115	53.5	334.6	22,000	60.2	343.9	26,000	63.9	347.6	28,000	115
120	51.4	330.8	20,900	58.2	341.0	24,900	62.0	345.0	27,000	120
125	49.2	326.6	20,000	56.2	337.7	23,800	60.1	342.3	25,900	125
130	46.9	322.2	19,000	54.1	334.3	22,700	58.1	339.3	24,900	130
134	45.0	318.3	18,200	52.4	331.2	21,800	56.5	336.7	24,000	134
135	44.6	317.3	18,000	52.0	330.5	21,600	56.1	336.0	23,800	135
140	42.1	312.0	17,100	49.9	326.4	20,600	54.1	332.5	22,700	140
145	39.5	306.2	16,300	47.6	322.1	19,600	51.9	328.8	21,700	145
150	36.8	299.8	15,400	45.3	317.3	18,600	49.8	324.7	20,600	150
155	33.9	292.8	14,700	42.9	312.1	17,700	47.5	320.3	19,600	155
160	30.7	284.9	13,700	40.3	306.5	16,800	45.2	315.5	18,700	160
163	28.7	279.5	13,200	38.7	302.8	16,300	43.7	312.4	18,100	163
165	27.3	275.9	12,800	37.6	300.3	15,900	42.8	310.4	17,700	165
170	23.3	265.3	11,900	34.8	293.5	15,100	40.2	304.7	16,900	170
180	12.3	234.1	10,300	28.4	277.2	13,200	34.7	291.6	15,200	180
183	5.8	215.3	10,000	25.9	270.6	12,700	32.7	286.7	14,600	183
190				20.1	255.0	11,500	28.2	275.3	13,300	190
200				3.9	208.0	10,000	20.0	252.9	11,500	200
210							2.8	203.3	10,100	210
216										216
220										220
226										226
230										230
240										240
242										242
250										250
257										257
260										260
270										270
271										271

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ASME B30.5



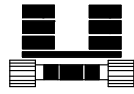
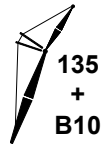
219,600 lb
+
80,000 lb



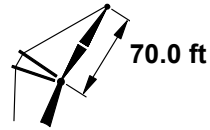
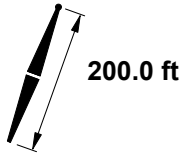
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55													55
60													60
65													65
70													70
75													75
80													80
85													85
86													86
90													90
95													95
100													100
104													104
105													105
110													110
115													115
120													120
125													125
130													130
134	62.8	342.4	26,200										134
135	62.4	341.8	26,200										135
140	60.5	339.1	25,600										140
145	58.6	336.2	24,700										145
150	56.6	333.0	23,800										150
155	54.5	329.6	22,800										155
160	52.4	325.9	21,800										160
163	51.1	323.5	21,200	57.7	329.6	23,200							163
165	50.3	321.9	20,800	56.9	328.3	22,800							165
170	48.1	317.6	19,900	54.8	324.9	21,900							170
180	43.3	307.8	18,000	50.6	317.3	20,200							180
183	41.8	304.3	17,500	49.2	314.7	19,700							183
190	38.2	296.2	16,300	46.1	308.4	18,600	52.9	314.9	16,000				190
200	32.3	282.0	14,600	41.2	297.9	17,200	48.5	306.7	14,800				200
210	25.3	263.9	12,600	35.8	285.4	15,600	43.8	297.1	13,700				210
216	19.6	247.8	11,700	32.0	276.0	14,600	40.8	290.3	13,100	47.9	297.7	10,700	216
220	15.7	237.2	11,000	29.5	269.8	13,900	38.7	285.7	12,700	46.0	293.9	10,300	220
226	3.7	202.0	10,100	24.9	257.3	12,700	35.2	277.4	12,100	43.1	287.6	9,800	226
230				21.8	248.9	12,000	32.9	271.9	11,800	41.1	283.4	9,400	230
240				9.0	212.6	10,400	26.1	254.2	10,900	35.7	270.8	8,600	240
242				2.0	191.7	10,200	24.3	249.1	10,800	34.4	267.7	8,500	242
250							16.9	228.8	10,100	29.4	255.2	7,900	250
257							3.6	190.1	9,500	24.0	240.5	7,400	257
260										21.6	234.2	7,200	260
270										8.7	197.3	6,500	270
271										6.1	189.5	6,400	271

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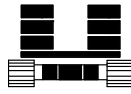
219,600 lb
+
80,000 lb



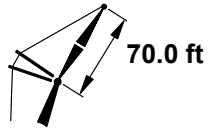
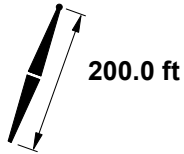
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	72.7	274.8	82,800 d						35	
40	68.4	273.1	82,300 d						40	
45	63.9	270.9	81,700 c						45	
50	59.3	268.2	78,700 c						50	
55	54.4	264.9	73,300 b	70.5	272.4	84,000 d			55	
60	49.2	260.9	68,200 b	66.1	270.4	84,000 c			60	
65	43.5	256.2	63,600 b	61.5	267.9	80,600 c			65	
69	38.4	251.5	60,100 b	57.7	265.5	76,900 c	67.3	269.3	69	
70	37.2	250.3	59,200	56.7	265.0	76,000 b	66.4	268.9	70	
75	29.8	242.7	55,400	51.7	261.3	71,800 b	61.8	266.5	75	
80	20.0	231.9	51,000	46.3	257.0	67,900 b	57.1	263.5	80	
84	4.6	213.6	44,600	41.5	252.8	65,000 b	53.0	260.7	84	
85				40.3	251.7	64,300	52.0	260.0	85	
90				33.5	245.0	61,000	46.7	255.7	90	
91				31.8	243.2	60,400	45.5	254.6	91	
95				25.1	236.1	57,900	40.7	250.4	95	
100				12.3	221.3	54,200	34.0	243.9	100	
101				7.6	215.6	50,000	32.3	242.1	101	
105							25.7	235.2	105	
110							13.5	221.1	110	
111							9.4	216.2	111	
113									113	
115									115	
120									120	
125									125	
128									128	
130									130	
134									134	
135									135	
140									140	
145									145	
150									150	
154									154	
155									155	
160									160	
161									161	
165									165	
170									170	
175									175	
176									176	

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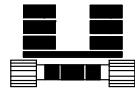
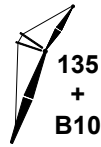
219,600 lb
+
80,000 lb



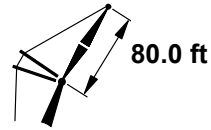
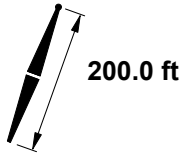
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35													35
40													40
45													45
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
84													84
85													85
90													90
91	62.7	263.0	58,400 c										91
95	59.0	260.8	55,400 c										95
100	54.1	257.5	52,100 b										100
101	53.0	256.7	51,500 b										101
105	48.9	253.5	49,000 b										105
110	43.2	248.7	46,300										110
111	41.9	247.5	45,800										111
113	39.3	245.1	44,800	57.6	254.5	40,300 b							113
115	36.8	242.7	43,800	55.7	253.2	39,400 b							115
120	29.3	235.0	41,500	50.6	249.4	37,400 b							120
125	19.3	223.9	39,400	45.0	244.9	35,500 b							125
128	9.4	212.2	38,200	41.3	241.5	34,500 b							128
130				38.9	239.3	33,800							130
134				33.2	233.7	32,500	52.7	244.2	28,900 b				134
135				31.8	232.3	32,200	51.7	243.4	28,600 b				135
140				22.9	222.6	30,700	46.2	239.0	27,300 b				140
145				7.0	203.9	29,200	40.2	233.7	26,000				145
150							33.4	227.0	24,900				150
154							26.7	219.9	24,000	47.8	232.1	21,100b	154
155							25.0	218.1	23,800	46.7	231.2	20,900b	155
160							12.1	203.2	22,700	40.7	225.9	20,000	160
161							7.3	197.4	22,500	39.4	224.6	19,800	161
165										34.0	219.4	19,100	165
170										25.8	210.7	18,300	170
175										13.6	196.7	17,500	175
176										9.4	191.8	17,300	176

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219,600 lb
+
80,000 lb



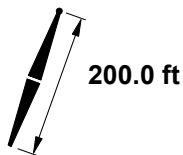
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.7	285.5	77,200 d						34	
35	75.0	285.2	77,100 d						35	
40	71.2	283.7	76,600 d						40	
45	67.4	281.8	76,000 c						45	
50	63.4	279.5	74,000 c						50	
55	59.4	276.8	69,300 b						55	
58	56.8	274.9	66,700 b	70.7	281.9	77,700 d			58	
60	55.1	273.6	64,900 b	69.2	281.2	77,700 c			60	
65	50.6	269.8	60,600 b	65.3	279.1	77,700 c			65	
70	45.8	265.3	56,500	61.3	276.6	74,000 b			70	
72	43.7	263.2	55,000	59.7	275.4	72,400 b	67.9	278.9	75,700 c	72
75	40.6	260.0	52,800	57.2	273.6	70,000 b	65.6	277.6	73,400 c	75
80	34.7	253.5	49,400	52.8	270.1	66,400 b	61.6	275.1	69,700 b	80
85	27.8	245.3	46,400	48.1	266.0	63,000	57.4	272.2	66,200 b	85
90	18.7	233.7	43,000	43.1	261.1	59,900	53.1	268.7	62,800 b	90
94	4.3	214.0	39,500	38.7	256.4	57,500	49.4	265.4	60,200 b	94
95				37.6	255.2	56,900	48.5	264.6	59,600	95
96				36.3	253.8	56,400	47.5	263.7	59,000	96
100				31.3	247.9	54,200	43.5	259.8	56,700	100
105				23.5	238.3	51,700	38.0	254.0	53,800	105
110				11.5	222.4	47,900	31.7	246.8	50,800	110
111				7.1	216.3	44,400	30.2	244.9	50,200	111
115							24.1	237.4	48,000	115
118							17.2	228.3	46,500	118
120							12.7	222.3	45,500	120
121							8.8	217.0	45,000	121
125										125
130										130
135										135
138										138
140										140
145										145
150										150
155										155
160										160
161										161
165										165
170										170
171										171
175										175
180										180
185										185
186										186

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ASME B30.5



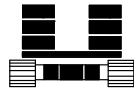
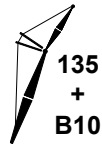
219,600 lb
+
80,000 lb



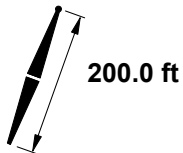
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
35													35
40													40
45													45
50													50
55													55
58													58
60													60
65													65
70													70
72													72
75													75
80													80
85													85
90													90
94													94
95													95
96	62.4	271.7	54,300 b										96
100	59.1	269.4	51,700 b										100
105	54.9	266.2	48,700 b										105
110	50.3	262.4	45,900										110
111	49.4	261.5	45,500										111
115	45.5	257.9	43,500										115
118	42.4	254.6	42,100	57.9	263.1	37,700 b							118
120	40.3	252.5	41,200	56.2	261.8	36,900 b							120
121	39.1	251.2	40,800	55.3	261.1	36,600 b							121
125	34.3	245.9	39,200	51.8	258.2	35,100							125
130	27.3	237.5	37,300	47.1	253.9	33,400							130
135	18.1	225.6	35,500	42.0	248.9	31,800							135
138	8.8	213.0	34,400	38.6	245.2	30,900							138
140				36.3	242.7	30,300	52.7	252.2	26,800 b				140
145				29.7	235.0	29,000	48.1	248.0	25,600				145
150				21.4	224.6	27,700	43.1	243.1	24,500				150
155				6.5	204.4	26,400	37.5	237.2	23,400				155
160							31.2	229.9	22,400				160
161							29.6	228.0	22,200	47.5	239.2	19,400	161
165							23.4	220.2	21,500	43.5	235.3	18,700	165
170							11.3	204.2	20,500	38.0	229.5	17,900	170
171							6.8	198.0	20,300	36.7	228.1	17,800	171
175										31.7	222.3	17,200	175
180										24.1	212.9	16,500	180
185										12.7	197.8	15,700	185
186										8.8	192.6	15,600	186

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ASME B30.5



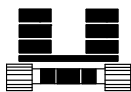
219,600 lb
+
80,000 lb



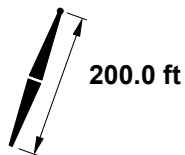
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	76.0	295.3	71,100 d						36	
40	73.4	294.2	70,700 d						40	
45	70.0	292.6	70,200 c						45	
50	66.6	290.6	69,400 c						50	
55	63.1	288.2	65,500 b						55	
60	59.4	285.5	61,600 b						60	
61	58.7	284.8	60,800 b	70.9	291.5	71,400 c			61	
65	55.7	282.3	57,800 b	68.2	290.0	71,400 c			65	
70	51.7	278.6	54,200	64.8	287.8	71,400 b			70	
75	47.5	274.4	50,700	61.2	285.3	68,400 b			75	
76	46.6	273.4	50,100	60.4	284.7	67,700 b	67.8	288.1	70,400 c	76
80	43.1	269.4	47,500	57.5	282.3	65,000	65.0	286.3	67,900 b	80
85	38.2	263.6	44,500	53.6	278.9	61,800	61.4	283.8	64,600 b	85
90	32.7	256.6	41,900	49.6	274.9	58,800	57.7	280.9	61,500 b	90
95	26.2	247.7	39,400	45.2	270.3	56,000	53.9	277.5	58,600	95
100	17.6	235.2	36,700	40.5	264.9	53,500	49.8	273.5	55,800	100
104	4.1	214.4	35,400	36.4	259.8	51,600	46.4	269.9	53,700	104
105				35.4	258.5	51,100	45.5	269.0	53,200	105
110				29.4	250.6	48,800	40.9	263.7	50,600	110
115				22.1	240.3	46,000	35.7	257.3	47,900	115
120				10.8	223.4	42,800	29.9	249.6	45,500	120
121				6.7	216.9	39,800	28.4	247.5	45,000	121
124							24.1	241.4	43,700	124
125							22.7	239.4	43,200	125
130							11.9	223.4	41,100	130
131							8.3	217.8	40,600	131
135										135
140										140
145										145
146										146
148										148
150										150
155										155
160										160
165										165
168										168
170										170
175										175
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MLC250 S-3

ASME B30.5



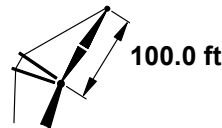
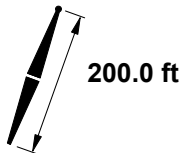
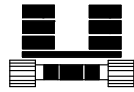
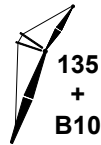
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
36													36
40													40
45													45
50													50
55													55
60													60
61													61
65													65
70													70
75													75
76													76
80													80
85													85
90													90
95													95
100	62.9	280.9	51,400 b										100
104	59.9	278.7	49,000 b										104
105	59.2	278.1	48,400 b										105
110	55.4	274.9	45,700										110
115	51.5	271.2	43,300										115
120	47.3	266.9	41,000										120
121	46.4	265.9	40,600										121
124	43.7	262.9	39,400	57.4	271.2	35,200							124
125	42.8	261.9	39,000	56.7	270.5	34,800							125
130	37.9	256.0	37,100	52.8	267.0	33,100							130
131	36.7	254.6	36,800	51.9	266.2	32,800							131
135	32.3	248.9	35,400	48.6	262.9	31,600							135
140	25.8	239.9	33,800	44.2	258.1	30,100							140
145	17.0	227.1	32,200	39.5	252.6	28,800							145
146	14.1	222.7	31,900	38.4	251.2	28,600	52.8	260.2	25,100				146
148	8.3	213.7	31,300	36.3	248.5	28,100	51.1	258.6	24,700				148
150				34.2	245.9	27,600	49.5	256.9	24,300				150
155				28.0	237.6	26,400	45.2	252.3	23,200				155
160				20.2	226.4	25,200	40.5	246.9	22,200				160
165				6.2	205.0	24,100	35.3	240.5	21,300				165
168							31.7	235.8	20,800	47.3	246.4	18,000	168
170							29.4	232.6	20,400	45.5	244.5	17,700	170
175							22.0	222.2	19,600	40.9	239.2	17,000	175
180							10.7	205.2	18,800	35.7	232.8	16,300	180
181							6.4	198.5	18,600	34.6	231.3	16,100	181
185										29.9	225.1	15,600	185
190										22.7	214.9	15,000	190
195										11.9	198.9	14,300	195
196										8.3	193.3	14,200	196

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ASME B30.5



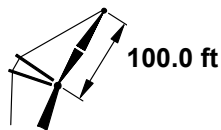
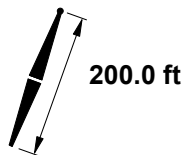
	88°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39	75.7	304.9	54,800 d							39
40	75.1	304.6	54,500 d							40
45	72.1	303.1	53,300 c							45
50	69.0	301.4	52,100 c							50
55	65.9	299.3	50,900 b							55
60	62.8	296.9	49,900 b							60
65	59.5	294.1	48,800 b	70.5	300.7	53,600 c				65
70	56.1	291.0	47,800	67.4	298.8	52,900 b				70
75	52.6	287.4	46,700	64.3	296.5	52,000 b				75
80	48.9	283.3	45,100	61.1	293.9	51,200	67.6	297.2	52,600 b	80
85	45.0	278.6	42,500	57.7	291.0	50,400	64.5	295.0	52,100 b	85
90	40.7	273.2	40,000	54.3	287.6	49,600	61.3	292.5	51,500	90
95	36.1	266.9	37,600	50.7	283.8	48,700	58.0	289.5	51,000	95
100	30.9	259.4	35,500	46.9	279.4	47,900	54.5	286.2	50,300	100
105	24.8	249.9	33,600	42.8	274.3	47,100	50.9	282.4	49,600	105
110	16.7	236.8	32,100	38.4	268.5	46,300	47.1	278.0	48,800	110
114	3.9	214.7	31,000	34.5	263.0	45,000	43.9	274.0	47,200	114
115				33.5	261.6	44,700	43.1	273.0	46,700	115
120				27.9	253.2	42,100	38.7	267.3	44,700	120
125				20.9	242.2	39,900	33.9	260.5	42,900	125
129				12.4	227.8	38,000	29.4	253.8	41,300	129
130				10.3	224.3	37,500	28.3	252.2	40,900	130
131				6.3	217.4	34,900	26.9	250.0	40,500	131
135							21.5	241.4	39,000	135
140							11.3	224.4	37,100	140
141							7.9	218.5	36,800	141
145										145
150										150
152										152
155										155
158										158
160										160
165										165
170										170
174										174
175										175
180										180
185										185
190										190
191										191
195										195
200										200
205										205
206										206

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



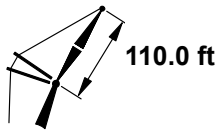
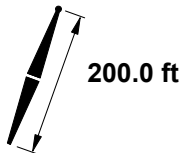
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39													39
40													40
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105	62.6	289.5	48,000 b										105
110	59.3	286.8	45,300										110
114	56.6	284.2	43,400										114
115	55.9	283.6	42,900										115
120	52.4	280.0	40,700										120
125	48.7	275.9	38,600										125
129	45.5	272.1	37,100	57.7	279.9	33,000							129
130	44.7	271.1	36,800	57.0	279.2	32,700							130
131	43.9	270.1	36,400	56.3	278.5	32,400							131
135	40.5	265.7	35,100	53.5	275.7	31,200							135
140	35.8	259.3	33,500	49.9	271.8	29,700							140
141	34.8	257.8	33,200	49.1	270.9	29,500							141
145	30.6	251.7	32,000	46.0	267.3	28,400							145
150	24.4	242.1	30,600	41.9	262.1	27,200							150
152	21.1	236.7	30,100	40.1	259.7	26,700	52.8	268.2	23,400				152
155	16.1	228.6	29,300	37.4	256.0	26,000	50.6	265.8	22,800				155
158	7.9	214.4	28,500	34.4	251.7	25,400	48.3	263.2	22,200				158
160				32.4	248.9	24,900	46.8	261.4	21,800				160
165				26.5	240.0	23,900	42.8	256.4	20,900				165
170				19.1	228.1	22,900	38.3	250.5	20,000				170
174				8.5	210.0	22,100	34.4	245.0	19,400	47.9	254.5	16,700	174
175				5.8	205.5	21,900	33.5	243.6	19,200	47.1	253.5	16,500	175
180							27.8	235.2	18,500	43.1	248.6	15,800	180
185							20.9	224.1	17,700	38.7	242.8	15,200	185
190							10.1	206.1	17,000	33.9	236.0	14,600	190
191							6.1	199.1	16,800	32.7	234.3	14,500	191
195										28.3	227.7	14,000	195
200										21.5	216.9	13,400	200
205										11.3	199.9	12,900	205
206										7.9	194.0	12,700	206

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ASME B30.5



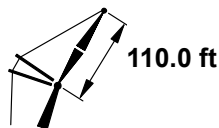
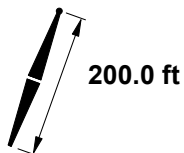
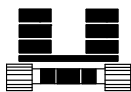
219,600 lb
+
80,000 lb



	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	75.9	314.7	51,700 d							41
45	73.8	313.6	50,800 c							45
50	71.0	312.0	49,900 c							50
55	68.2	310.2	48,800 b							55
60	65.4	308.0	47,900 b							60
65	62.5	305.6	47,000 b							65
68	60.7	303.9	46,500 b	70.7	310.2	50,500 b				68
70	59.5	302.8	46,100	69.6	309.5	50,200 b				70
75	56.5	299.7	45,200	66.8	307.5	49,600 b				75
80	53.3	296.2	43,300	63.9	305.2	48,900				80
84	50.6	293.0	41,400	61.5	303.1	48,400	67.5	306.4	49,400 b	84
85	50.0	292.2	40,900	61.0	302.6	48,300	67.0	306.0	49,300 b	85
90	46.5	287.7	38,600	57.9	299.6	47,600	64.1	303.7	49,000	90
95	42.8	282.7	36,500	54.8	296.3	46,900	61.2	301.1	48,500	95
100	38.8	276.9	34,500	51.6	292.6	46,300	58.2	298.2	48,000	100
105	34.4	270.1	32,600	48.2	288.4	45,600	55.0	294.9	47,600	105
109	30.5	263.7	31,200	45.3	284.5	45,000	52.4	291.9	47,100	109
110	29.5	262.1	30,900	44.6	283.6	44,900	51.8	291.2	47,000	110
115	23.6	252.1	29,400	40.7	278.2	43,600	48.4	287.0	45,900	115
120	15.9	238.2	28,200	36.5	271.9	41,300	44.8	282.3	44,000	120
124	3.7	215.1	27,600	32.8	266.0	39,600	41.7	278.0	42,600	124
125				31.9	264.5	39,100	41.0	276.9	42,300	125
130				26.6	255.6	37,000	36.8	270.7	40,600	130
134				21.3	246.3	35,500	33.1	264.9	39,300	134
135				20.0	244.0	35,200	32.2	263.4	39,000	135
140				9.8	225.2	33,500	27.0	254.6	37,300	140
141				6.0	218.0	32,400	25.7	252.3	36,900	141
145							20.5	243.2	35,600	145
150							10.8	225.4	34,100	150
151							7.5	219.1	33,800	151
155										155
158										158
160										160
165										165
168										168
170										170
180										180
181										181
185										185
190										190
200										200
201										201
210										210
216										216

MLC250 S-3

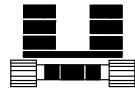
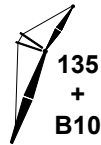
ASME B30.5



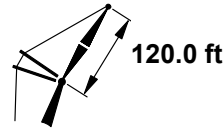
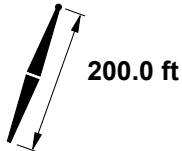
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41													41
45													45
50													50
55													55
60													60
65													65
68													68
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
105													105
109	62.9	298.7	45,800										109
110	62.3	298.2	45,200										110
115	59.4	295.4	42,800										115
120	56.3	292.3	40,600										120
124	53.7	289.4	39,000										124
125	53.1	288.7	38,600										125
130	49.8	284.8	36,800										130
134	47.0	281.2	35,400	57.9	288.5	31,400							134
135	46.3	280.3	35,000	57.3	287.9	31,100							135
140	42.5	275.1	33,500	54.1	284.5	29,700							140
141	41.7	274.0	33,200	53.5	283.7	29,400							141
145	38.5	269.3	32,000	50.8	280.6	28,400							145
150	34.1	262.5	30,600	47.4	276.3	27,200							150
151	33.1	260.9	30,400	46.7	275.3	26,900							151
155	29.2	254.4	29,300	43.7	271.4	26,000							155
158	25.6	248.3	28,600	41.4	268.0	25,400	52.8	276.2	22,200				158
160	23.3	244.2	28,100	39.8	265.8	24,900	51.5	274.6	21,800				160
165	15.4	230.0	27,000	35.6	259.3	23,900	48.1	270.4	20,900				165
168	7.5	215.1	26,300	32.7	254.7	23,400	46.0	267.5	20,400				168
170				30.8	251.7	23,000	44.5	265.6	20,000				170
180				18.2	229.8	21,200	36.5	253.9	18,500				180
181				15.7	225.0	21,000	35.6	252.4	18,400	47.7	261.6	15,700	181
185				5.6	206.0	20,300	31.9	246.5	17,800	44.8	257.8	15,200	185
190							26.5	237.6	17,100	41.0	252.4	14,600	190
200							9.7	207.0	15,800	32.2	238.9	13,500	200
201							5.8	199.6	15,600	31.1	236.9	13,400	201
210										20.5	218.7	12,500	210
216										7.5	194.7	11,800	216

MLC250 S-3

ASME B30.5



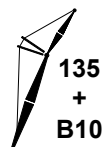
219,600 lb
+
80,000 lb



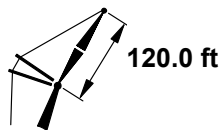
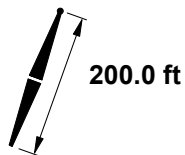
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
44	75.6	324.2	48,300 c						44	
45	75.1	324.0	48,100 c						45	
50	72.7	322.5	47,200 b						50	
55	70.1	320.8	46,400 b						55	
60	67.6	318.9	45,500						60	
65	65.0	316.7	44,700						65	
70	62.3	314.2	43,900						70	
71	61.8	313.7	43,800	70.8	319.8	47,100 b			71	
75	59.6	311.5	43,200	68.8	318.3	46,700 b			75	
80	56.8	308.4	41,100	66.2	316.2	46,200			80	
85	53.9	304.9	39,100	63.6	313.9	45,700			85	
87	52.7	303.3	38,300	62.5	312.8	45,400	68.0	316.0	46,000	87
90	50.8	301.0	37,000	60.9	311.3	45,100	66.4	314.7	45,800	90
95	47.7	296.7	35,000	58.1	308.3	44,500	63.8	312.4	45,500	95
100	44.4	291.9	33,200	55.3	305.0	44,000	61.1	309.8	45,200	100
105	40.9	286.5	31,500	52.3	301.4	43,400	58.3	306.9	44,800	105
110	37.1	280.3	29,800	49.2	297.3	42,900	55.5	303.6	44,400	110
114	33.7	274.6	28,600	46.6	293.6	42,100	53.1	300.7	44,100	114
115	32.9	273.1	28,200	46.0	292.7	41,900	52.5	300.0	44,000	115
120	28.2	264.7	26,900	42.6	287.6	40,100	49.4	295.9	43,100	120
125	22.6	254.1	25,600	38.9	281.8	38,100	46.2	291.4	41,400	125
130	15.3	239.6	24,700	34.9	275.1	36,200	42.8	286.3	39,800	130
134	3.5	215.4	24,300	31.4	268.9	34,700	39.9	281.7	38,600	134
135				30.5	267.3	34,300	39.2	280.5	38,200	135
140				25.4	257.9	32,600	35.2	273.9	36,800	140
145				19.1	245.7	31,000	30.8	266.2	35,400	145
150				9.4	226.0	29,600	25.8	257.0	33,900	150
151				5.8	218.5	29,300	24.5	254.6	33,600	151
155							19.6	245.0	32,400	155
160							10.3	226.3	31,100	160
161							7.2	219.8	30,800	161
164										164
165										165
170										170
178										178
180										180
188										188
190										190
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210										210
211										211
220										220
226										226

MLC250 S-3

ASME B30.5



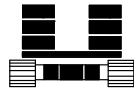
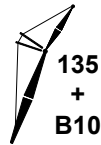
219,600 lb
+
80,000 lb



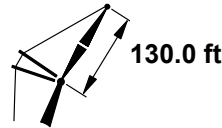
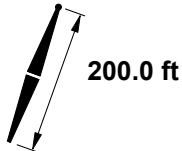
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
55													55
60													60
65													65
70													70
71													71
75													75
80													80
85													85
87													87
90													90
95													95
100													100
105													105
110													110
114	62.7	307.4	42,900										114
115	62.2	306.9	42,400										115
120	59.4	304.1	40,200										120
125	56.6	301.0	38,200										125
130	53.7	297.5	36,400										130
134	51.3	294.4	35,000										134
135	50.7	293.6	34,700										135
140	47.5	289.3	33,100	57.5	296.6	29,300							140
145	44.2	284.4	31,600	54.6	293.2	28,000							145
150	40.6	278.9	30,300	51.6	289.4	26,700							150
151	39.9	277.7	30,000	51.0	288.6	26,500							151
155	36.8	272.7	29,000	48.5	285.3	25,600							155
160	32.6	265.5	27,800	45.3	280.6	24,500							160
161	31.7	263.8	27,600	44.6	279.5	24,300							161
164	28.8	258.6	26,900	42.5	276.4	23,700	52.9	284.2	20,600				164
165	27.9	256.9	26,700	41.8	275.3	23,500	52.3	283.4	20,400				165
170	22.3	246.2	25,600	38.1	269.3	22,600	49.2	279.3	19,600				170
178	7.2	215.8	24,000	31.2	257.4	21,200	43.9	271.5	18,400				178
180				29.5	254.4	20,900	42.5	269.6	18,100				180
188				19.8	235.9	19,600	36.4	259.6	17,000	47.5	268.8	14,400	188
190				17.4	231.3	19,300	34.9	257.1	16,700	46.2	266.9	14,200	190
195				5.3	206.5	18,500	30.5	249.3	16,100	42.8	261.8	13,600	195
200							25.4	239.9	15,500	39.2	256.0	13,100	200
210							9.3	207.8	14,300	30.8	241.8	12,100	210
211							5.6	200.1	14,100	29.7	239.6	12,000	211
220										19.6	220.5	11,100	220
226										7.2	195.3	10,600	226

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ASME B30.5



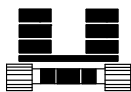
219,600 lb
+
80,000 lb



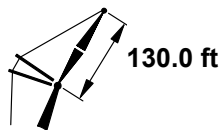
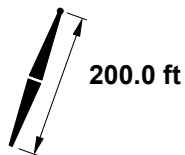
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
46	75.9	334.0	45,200 c						46	
50	74.0	333.0	44,600 b						50	
55	71.7	331.4	43,800 b						55	
60	69.4	329.7	43,100						60	
65	67.0	327.7	42,300						65	
70	64.6	325.4	41,700						70	
74	62.6	323.4	41,000	71.0	329.3	43,900 b			74	
75	62.1	322.9	40,900	70.5	329.0	43,900			75	
80	59.6	320.1	39,000	68.2	327.1	43,400			80	
85	57.0	317.0	37,200	65.8	325.0	42,900			85	
90	54.4	313.6	35,400	63.3	322.6	42,500			90	
91	53.8	312.9	35,000	62.8	322.0	42,400	67.8	325.1	42,700	91
95	51.6	309.8	33,600	60.8	319.9	42,000	65.9	323.4	42,500	95
100	48.7	305.7	32,000	58.3	317.0	41,500	63.5	321.1	42,300	100
105	45.7	301.0	30,400	55.6	313.7	41,000	61.0	318.4	42,000	105
110	42.6	295.9	28,800	52.9	310.1	39,700	58.4	315.5	41,700	110
115	39.2	290.1	27,400	50.1	306.1	38,500	55.8	312.3	41,200	115
118	37.0	286.2	26,600	48.3	303.5	37,700	54.2	310.1	40,400	118
120	35.6	283.6	26,100	47.2	301.7	37,200	53.1	308.7	40,000	120
125	31.6	276.0	24,800	44.1	296.9	36,000	50.3	304.8	38,800	125
130	27.1	267.1	23,700	40.8	291.4	34,800	47.4	300.4	37,500	130
135	21.7	256.1	22,700	37.3	285.2	33,600	44.3	295.5	36,300	135
140	14.7	240.9	21,800	33.5	278.2	32,000	41.0	290.1	35,100	140
144	3.4	215.7	21,500	30.1	271.6	30,700	38.3	285.2	34,200	144
145				29.3	270.0	30,400	37.6	284.0	34,000	145
150				24.4	260.1	28,900	33.8	277.0	32,900	150
155				18.4	247.3	27,600	29.6	268.9	31,900	155
160				9.0	226.8	26,400	24.8	259.2	31,000	160
161				5.5	219.0	26,200	23.6	256.7	30,700	161
165							18.8	246.7	29,700	165
170							9.9	227.2	28,500	170
171							6.9	220.4	28,300	171
175										175
180										180
188										188
190										190
194										194
200										200
205										205
210										210
220										220
221										221
230										230
236										236

MLC250 S-3

ASME B30.5



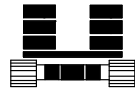
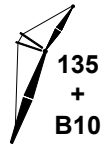
219,600 lb
+
80,000 lb



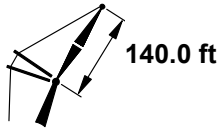
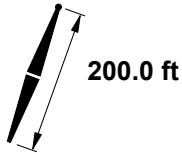
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46													46
50													50
55													55
60													60
65													65
70													70
74													74
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
110													110
115													115
118	63.0	316.6	40,500										118
120	62.0	315.6	39,900										120
125	59.5	312.8	37,900										125
130	56.9	309.6	36,100										130
135	54.2	306.2	34,400										135
140	51.4	302.4	32,900										140
144	49.1	299.1	31,700										144
145	48.6	298.2	31,400	57.7	305.2	27,700							145
150	45.5	293.6	30,100	55.0	301.9	26,500							150
155	42.4	288.4	28,800	52.3	298.2	25,300							155
160	39.0	282.6	27,600	49.5	294.2	24,300							160
161	38.3	281.2	27,400	48.9	293.3	24,100							161
165	35.3	276.0	26,500	46.5	289.7	23,300							165
170	31.3	268.4	25,500	43.4	284.6	22,400	52.9	292.2	19,300				170
171	30.4	266.6	25,300	42.7	283.5	22,200	52.3	291.4	19,200				171
175	26.8	259.4	24,500	40.1	279.0	21,500	50.1	288.2	18,600				175
180	21.4	248.2	23,600	36.5	272.7	20,700	47.1	283.8	17,800				180
188	6.9	216.4	22,100	29.9	260.1	19,400	42.1	275.5	16,700				188
190				28.3	257.0	19,100	40.8	273.4	16,500				190
194				23.7	247.3	18,600	37.9	268.1	16,000	48.0	276.8	13,400	194
200				16.8	232.8	17,700	33.5	260.2	15,200	44.3	271.0	12,800	200
205				5.1	207.0	17,000	29.2	252.0	14,700	41.0	265.6	12,300	205
210							24.4	242.1	14,100	37.6	259.5	11,800	210
220							8.9	208.6	13,000	29.6	244.4	10,900	220
221							5.3	200.6	12,900	28.5	242.2	10,900	221
230										18.8	222.2	10,100	230
236										6.9	195.9	9,500	236

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



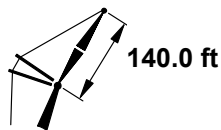
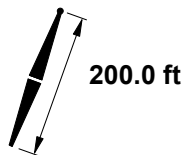
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
49	75.6	343.6	42,100 b						49	
50	75.2	343.3	41,900 b						50	
55	73.1	341.9	41,200 b						55	
60	70.9	340.3	40,600						60	
65	68.7	338.5	39,900						65	
70	66.5	336.4	39,300						70	
75	64.3	334.1	38,200						75	
78	62.9	332.6	37,300	70.7	338.5	40,700			78	
80	62.0	331.6	36,600	69.8	337.8	40,500			80	
85	59.6	328.8	35,100	67.6	335.8	40,200			85	
90	57.2	325.7	33,600	65.4	333.7	39,700			90	
95	54.8	322.3	32,100	63.1	331.2	39,300	67.7	334.3	39,500	95
100	52.2	318.6	30,600	60.8	328.6	38,600	65.5	332.2	39,300	100
105	49.6	314.6	29,100	58.4	325.6	37,400	63.2	329.8	39,000	105
110	46.8	310.1	27,800	56.0	322.4	36,100	60.9	327.1	38,500	110
115	44.0	305.2	26,500	53.4	318.9	34,900	58.6	324.2	37,400	115
120	40.9	299.7	25,200	50.9	315.0	33,600	56.1	321.0	36,200	120
123	39.0	296.0	24,500	49.2	312.4	32,900	54.6	318.9	35,500	123
125	37.7	293.6	24,000	48.2	310.7	32,400	53.6	317.5	35,000	125
130	34.2	286.7	22,900	45.4	306.0	31,300	51.0	313.6	33,900	130
135	30.4	278.8	21,900	42.4	300.8	30,100	48.3	309.4	32,700	135
140	26.1	269.5	20,900	39.3	295.0	29,000	45.5	304.7	31,500	140
145	20.9	258.0	20,000	35.9	288.5	27,900	42.6	299.5	30,400	145
150	14.1	242.1	19,400	32.3	281.1	26,900	39.5	293.8	29,300	150
154	3.3	216.0	19,100	29.0	274.3	26,200	36.8	288.6	28,400	154
155				28.2	272.6	26,000	36.1	287.3	28,200	155
160				23.5	262.2	25,100	32.5	280.0	27,200	160
165				17.7	248.9	24,400	28.5	271.5	26,300	165
170				8.7	227.6	23,600	23.8	261.3	25,400	170
171				5.3	219.4	23,500	22.4	258.0	25,300	171
176							15.3	241.3	24,600	176
180							9.6	228.0	24,000	180
181							6.7	221.0	24,000	181
190										190
198										198
200										200
201										201
210										210
215										215
220										220
230										230
231										231
240										240
246										246

MLC250 S-3

ASME B30.5



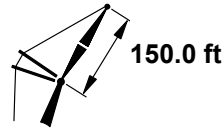
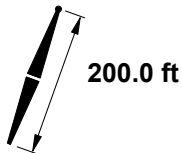
219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49													49
50													50
55													55
60													60
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95													95
100													100
105													105
110													110
115													115
120													120
123	62.8	325.3	37,200										123
125	61.8	324.2	37,200										125
130	59.5	321.4	35,700										130
135	57.1	318.3	34,000										135
140	54.6	314.9	32,500										140
145	52.1	311.2	31,000										145
150	49.4	307.1	29,700	57.9	313.9	26,000							150
154	47.2	303.5	28,700	55.9	311.3	25,100							154
155	46.7	302.6	28,400	55.4	310.6	24,900							155
160	43.8	297.7	27,300	52.9	307.0	23,900							160
165	40.8	292.2	26,200	50.3	303.0	22,900							165
170	37.5	286.0	25,100	47.6	298.7	22,000							170
171	36.8	284.5	24,900	47.0	297.6	21,800							171
176	33.1	277.1	24,000	44.1	292.6	21,000	52.9	300.2	18,000				176
180	30.2	271.1	23,200	41.7	288.5	20,300	50.8	297.0	17,400				180
181	29.2	269.0	23,100	41.1	287.3	20,100	50.3	296.1	17,300				181
190	20.6	250.0	21,500	35.1	275.9	18,800	45.3	288.0	16,100				190
198	6.6	217.0	20,200	28.8	262.7	17,700	40.5	279.2	15,100				198
200				27.2	259.4	17,400	39.2	277.0	14,800				200
201				26.1	256.9	17,300	38.5	275.7	14,700	47.8	284.0	12,200	201
210				16.1	234.3	16,100	32.2	263.1	13,800	42.6	275.0	11,300	210
215				4.9	207.4	15,500	28.2	254.6	13,200	39.5	269.3	10,800	215
220							23.5	244.2	12,700	36.2	262.8	10,400	220
230							8.6	209.4	11,800	28.5	247.0	9,500	230
231							5.1	201.0	11,600	27.5	244.7	9,400	231
240										18.1	223.8	8,700	240
246										6.7	196.5	8,200	246

MLC250 S-3

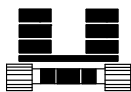
ASME B30.5



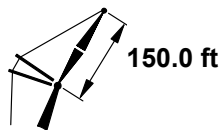
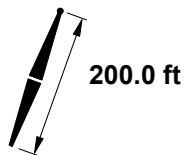
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	75.8	353.4	39,200 b							51
55	74.2	352.3	38,700 b							55
60	72.2	350.8	38,100							60
65	70.2	349.1	37,500							65
70	68.2	347.2	36,800							70
75	66.1	345.1	35,600							75
80	64.0	342.8	34,300							80
81	63.6	342.3	34,000	70.8	348.1	37,800				81
85	61.9	340.2	33,000	69.2	346.6	37,400				85
90	59.7	337.4	31,700	67.1	344.6	37,000				90
95	57.4	334.4	30,500	65.0	342.4	36,600				95
99	55.6	331.7	29,400	63.3	340.4	35,700	67.6	343.5	36,500	99
100	55.1	331.0	29,100	62.9	339.9	35,500	67.2	343.1	36,400	100
105	52.8	327.4	27,900	60.7	337.2	34,300	65.1	340.9	36,200	105
110	50.3	323.4	26,700	58.5	334.3	33,000	63.0	338.4	35,200	110
115	47.8	319.1	25,500	56.2	331.1	31,800	60.9	335.8	34,200	115
120	45.2	314.3	24,400	53.9	327.6	30,600	58.6	332.8	33,100	120
125	42.4	309.1	23,300	51.5	323.8	29,500	56.4	329.7	32,000	125
127	41.2	306.8	22,900	50.5	322.1	29,000	55.4	328.3	31,500	127
130	39.5	303.4	22,300	49.0	319.6	28,300	54.1	326.2	30,800	130
135	36.4	296.9	21,300	46.4	315.1	27,200	51.7	322.4	29,600	135
140	33.0	289.7	20,400	43.7	310.1	26,100	49.2	318.3	28,500	140
145	29.3	281.5	19,500	40.9	304.6	25,100	46.6	313.8	27,500	145
150	25.2	271.8	18,700	37.9	298.5	24,100	43.9	308.8	26,400	150
155	20.2	259.8	18,000	34.7	291.7	23,100	41.1	303.3	25,300	155
160	13.6	243.4	17,400	31.1	284.0	22,200	38.1	297.3	24,300	160
164	3.2	216.3	17,200	28.0	276.8	21,500	35.5	291.9	23,500	164
165				27.2	275.0	21,300	34.9	290.5	23,300	165
170				22.7	264.3	20,500	31.4	282.9	22,400	170
180				8.4	228.3	19,300	23.0	263.4	20,800	180
181				5.2	219.9	19,100	21.6	260.0	20,600	181
182							20.3	256.5	20,500	182
190							9.2	228.8	19,400	190
191							6.4	221.6	19,300	191
200										200
208										208
210										210
220										220
225										225
230										230
240										240
241										241
250										250
256										256

MLC250 S-3

ASME B30.5



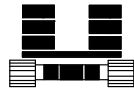
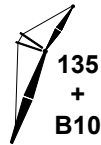
219,600 lb
+
80,000 lb



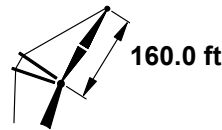
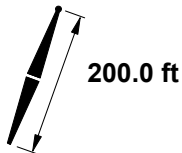
	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51													51
55													55
60													60
65													65
70													70
75													75
80													80
81													81
85													85
90													90
95													95
99													99
100													100
105													105
110													110
115													115
120													120
125													125
127	63.0	334.5	33,700										127
130	61.7	332.9	33,600										130
135	59.5	330.1	32,800										135
140	57.3	327.0	31,900										140
145	55.0	323.6	30,900										145
150	52.6	320.0	29,600										150
155	50.2	316.0	28,300	58.0	322.6	24,800							155
160	47.6	311.6	27,200	55.7	319.3	23,800							160
164	45.5	307.8	26,300	53.8	316.5	23,000							164
165	45.0	306.9	26,100	53.4	315.7	22,800							165
170	42.2	301.6	25,100	51.0	311.9	21,900							170
180	36.2	289.4	23,200	45.9	303.0	20,200							180
181	35.5	287.8	23,000	45.3	301.9	20,100							181
182	34.8	286.2	22,800	44.7	300.8	19,900	52.9	308.2	17,000				182
190	29.1	273.7	21,500	40.3	292.3	18,700	49.0	301.7	16,000				190
191	28.2	271.5	21,400	39.6	290.9	18,600	48.5	300.7	15,900				191
200	19.9	251.8	20,000	33.9	279.0	17,400	43.7	292.1	14,800				200
208	6.4	217.5	18,800	27.8	265.2	16,400	39.0	282.9	13,900	47.7	291.1	11,400	208
210				26.3	261.8	16,100	37.9	280.5	13,700	46.6	289.3	11,200	210
220				15.6	235.7	15,000	31.1	266.0	12,700	41.1	278.9	10,300	220
225				4.8	207.8	14,400	27.2	257.0	12,200	38.1	272.8	9,800	225
230							22.6	246.2	11,800	34.9	266.0	9,400	230
240							8.3	210.1	10,900	27.5	249.5	8,600	240
241							5.0	201.5	10,800	26.5	247.1	8,500	241
250										17.5	225.4	7,900	250
256										6.5	197.1	7,400	256

MLC250 S-3

ASME B30.5



219,600 lb
+
80,000 lb



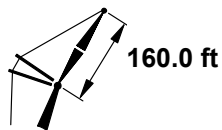
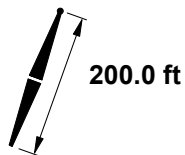
	88°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft		
53	76.0	363.2	36,400 b						53	
55	75.2	362.7	36,200 b						55	
60	73.4	361.3	35,600						60	
65	71.5	359.7	34,800						65	
70	69.6	358.0	33,800						70	
75	67.7	356.0	32,800						75	
80	65.7	353.8	31,800						80	
84	64.1	352.0	31,000	70.9	357.6	34,700			84	
85	63.8	351.5	30,800	70.5	357.3	34,700			85	
90	61.7	348.9	29,700	68.6	355.4	34,300			90	
95	59.7	346.1	28,600	66.7	353.3	33,300			95	
100	57.6	343.1	27,500	64.7	351.1	32,100			100	
102	56.7	341.7	27,100	63.9	350.1	31,700	68.0	353.1	32,800	102
105	55.4	339.7	26,500	62.7	348.6	31,000	66.8	351.8	32,800	105
110	53.2	336.2	25,400	60.7	345.9	29,800	64.8	349.6	31,900	110
115	51.0	332.3	24,300	58.6	343.0	28,700	62.8	347.1	30,900	115
120	48.6	328.0	23,300	56.5	339.8	27,500	60.8	344.4	29,800	120
125	46.2	323.4	22,200	54.3	336.3	26,400	58.7	341.5	28,800	125
130	43.7	318.4	21,200	52.1	332.6	25,300	56.6	338.3	27,700	130
132	42.6	316.2	20,800	51.1	331.0	24,800	55.7	337.0	27,200	132
135	41.0	312.9	20,300	49.7	328.5	24,200	54.4	334.9	26,500	135
140	38.2	306.9	19,300	47.4	324.1	23,100	52.2	331.2	25,400	140
150	31.9	292.6	17,600	42.3	314.0	21,100	47.5	322.8	23,300	150
160	24.4	273.9	16,100	36.6	301.9	19,200	42.5	312.8	21,300	160
161	23.2	271.0	15,900	36.0	300.4	19,000	41.9	311.5	21,100	161
170	13.2	244.5	14,500	30.1	286.7	17,500	36.8	300.7	19,400	170
174	3.1	216.5	13,900	26.9	278.5	16,900	34.2	294.7	18,700	174
180				22.0	266.3	16,000	30.4	285.6	17,600	180
188				10.9	236.5	14,700	23.9	269.5	16,400	188
190				8.1	229.0	14,400	22.3	265.4	16,100	190
191				5.0	220.3	14,100	20.9	261.8	16,000	191
200							8.9	229.6	14,400	200
201							6.2	222.1	14,200	201
210										210
214										214
218										218
220										220
230										230
235										235
240										240
250										250
251										251
260										260
266										266

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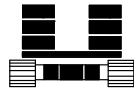
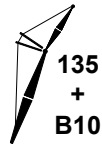
219,600 lb
+
80,000 lb



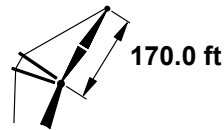
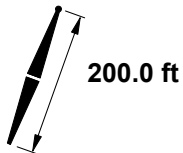
	75°			70°			65°			60°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
53													53
55													55
60													60
65													65
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
102													102
105													105
110													110
115													115
120													120
125													125
130													130
132	62.8	343.1	29,500										132
135	61.6	341.6	29,400										135
140	59.6	338.7	28,500										140
150	55.3	332.3	26,700										150
160	50.8	324.8	24,700										160
161	50.4	323.9	24,500	57.7	330.6	23,200							161
170	46.0	316.0	22,700	53.8	324.5	21,500							170
174	44.0	311.7	21,900	52.0	321.3	20,800							174
180	40.8	305.4	20,800	49.2	316.5	19,800							180
188	36.2	295.1	19,300	45.3	309.0	18,600	52.9	316.2	15,800				188
190	35.0	292.6	19,000	44.3	307.1	18,300	52.0	314.6	15,500				190
191	34.3	290.9	18,800	43.8	306.0	18,200	51.6	313.8	15,400				191
200	28.2	276.3	17,300	38.9	295.9	17,000	47.3	306.1	14,400				200
201	27.3	274.0	17,200	38.3	294.5	16,900	46.8	305.1	14,300				201
210	19.2	253.5	15,900	32.8	282.0	15,800	42.3	296.1	13,300				210
214	12.7	235.8	15,100	29.9	274.9	15,300	40.0	291.2	12,900	48.0	299.2	10,200	214
218	6.2	218.1	14,400	26.9	267.7	14,900	37.7	286.3	12,500	46.0	295.4	9,800	218
220				25.4	264.1	14,700	36.6	283.9	12,300	45.0	293.5	9,700	220
230				15.1	237.0	13,600	30.1	268.7	11,400	39.7	282.5	8,800	230
235				4.6	208.2	13,100	26.3	259.4	11,000	36.8	276.2	8,400	235
240							21.9	248.2	10,600	33.7	269.1	8,100	240
250							8.0	210.8	9,800	26.6	251.9	7,300	250
251							4.8	201.9	9,700	25.6	249.4	7,300	251
260										17.0	226.9	6,700	260
266										6.2	197.7	6,200	266

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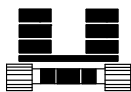
219,600 lb
+
80,000 lb



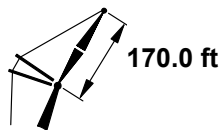
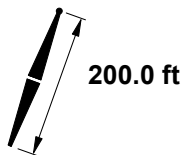
	88°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	75.8	372.8	33,100							56
60	74.4	371.7	32,600							60
65	72.6	370.2	31,800							65
70	70.9	368.6	31,100							70
75	69.1	366.8	30,200							75
80	67.2	364.7	29,400							80
85	65.4	362.6	28,500							85
87	64.7	361.6	28,200	71.0	367.1	30,800				87
90	63.5	360.2	27,600	69.9	366.1	30,700				90
95	61.6	357.6	26,500	68.1	364.2	30,400				95
100	59.7	354.8	25,300	66.3	362.1	29,500				100
105	57.7	351.7	24,200	64.4	359.8	28,400				105
106	57.3	351.1	24,000	64.0	359.3	28,100	67.9	362.2	28,700	106
110	55.7	348.4	23,100	62.5	357.3	27,200	66.4	360.5	28,600	110
115	53.7	344.9	22,100	60.6	354.6	26,100	64.6	358.3	28,200	115
120	51.5	341.1	21,000	58.7	351.6	25,100	62.7	355.8	27,200	120
125	49.3	336.9	20,000	56.7	348.5	23,900	60.8	353.1	26,100	125
130	47.1	332.5	19,000	54.6	345.1	22,900	58.8	350.2	25,100	130
135	44.7	327.6	18,100	52.5	341.4	21,800	56.8	347.0	24,100	135
137	43.8	325.5	17,700	51.7	339.8	21,400	56.0	345.7	23,600	137
140	42.3	322.4	17,200	50.4	337.4	20,800	54.8	343.6	23,000	140
145	39.7	316.6	16,300	48.2	333.1	19,800	52.7	340.0	22,000	145
150	37.0	310.3	15,500	45.9	328.4	18,800	50.5	336.0	20,900	150
160	31.0	295.5	13,800	41.0	317.8	17,000	46.0	327.1	19,000	160
166	26.6	283.8	12,700	37.7	310.2	16,000	43.1	320.8	17,900	166
170	23.6	276.1	12,000	35.5	305.2	15,400	41.1	316.6	17,200	170
180	12.8	245.7	10,400	29.2	289.4	13,500	35.7	304.0	15,500	180
184	3.0	216.8	9,900	26.0	280.9	12,800	33.2	297.7	14,700	184
190				21.3	268.2	11,700	29.4	288.3	13,600	190
194				15.9	252.8	11,100	26.3	279.9	12,900	194
200				7.9	229.7	10,200	21.6	267.4	11,800	200
201				4.8	220.8	10,100	20.3	263.7	11,700	201
210							8.7	230.4	10,300	210
211							6.1	222.7	10,100	211
220										220
221										221
228										228
230										230
240										240
245										245
250										250
260										260
261										261
265										265

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219,600 lb
+
80,000 lb



	75°			70°			65°			60°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
70													70
75													75
80													80
85													85
87													87
90													90
95													95
100													100
105													105
106													106
110													110
115													115
120													120
125													125
130													130
135													135
137	62.7	351.8	25,600										137
140	61.5	350.2	25,600										140
145	59.6	347.4	25,000										145
150	57.6	344.3	24,100										150
160	53.5	337.5	22,300										160
166	50.9	332.7	21,100	57.8	339.3	21,900							166
170	49.2	329.5	20,400	56.2	336.7	21,200							170
180	44.6	320.1	18,500	52.1	329.5	19,500							180
184	42.6	315.7	17,800	50.3	326.1	19,000							184
190	39.6	309.1	16,700	47.7	321.0	18,100							190
194	37.3	303.7	16,100	45.8	317.1	17,500	53.0	324.2	14,800				194
200	33.9	295.7	15,100	42.9	311.1	16,700	50.4	319.4	14,100				200
201	33.3	294.0	14,900	42.4	310.0	16,600	49.9	318.5	14,000				201
210	27.3	278.8	13,200	37.7	299.3	15,500	45.8	310.5	13,000				210
211	26.4	276.4	13,000	37.1	297.9	15,400	45.3	309.4	12,900				211
220	18.7	255.2	11,400	31.8	284.9	14,400	40.9	299.9	12,100				220
221	17.1	250.6	11,300	31.1	283.1	14,300	40.4	298.6	12,000	47.9	306.3	9,200	221
228	6.0	218.6	10,200	26.1	270.0	13,000	36.6	289.7	11,300	44.6	299.5	8,600	228
230				24.7	266.3	12,700	35.5	287.2	11,200	43.6	297.6	8,400	230
240				14.6	238.3	10,900	29.2	271.4	10,400	38.5	286.1	7,700	240
245				4.5	208.6	10,300	25.5	261.7	10,000	35.7	279.5	7,300	245
250							21.3	250.1	9,600	32.7	272.1	7,000	250
260							7.8	211.5	8,800	25.8	254.3	6,300	260
261							4.7	202.3	8,700	25.0	252.0	6,300	261
265										21.6	242.9	6,000	265