

# Liftcrane Jib Capacities

Jib No. 134 on  
 Boom No. B10:82A  
 149,600 lb Crane Counterweight  
 0 lb Carbody Counterweight  
 360 Degree Rating

## MLC250 SERIES 1



**LIFTING CAPACITIES:** Chart supplements Boom Capacity chart **No. 9890-A**. Lifting capacities for various boom lengths, jib lengths, and 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 jib point sheaves is considered part of load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface with gantry up. Refer to Boom Rigging **No. 80137888**, Jib Rigging **No. 80117860**, Wire Rope Specifications chart **No. 9916-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9917-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 must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9915-A**.



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



**BOOM ANGLE:** Boom angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



**JIB POINT ELEVATION:** Jib point elevation is vertical distance from ground level to centerline of 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, and boom support straps.

Refer to Tables 1 and 2 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom and jib point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

**Caution:** Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 3,000 lb.

**Table 1**

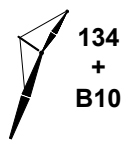
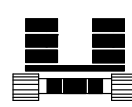

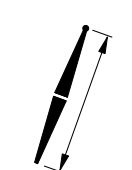
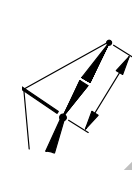


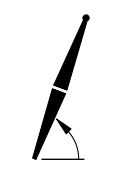
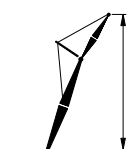

Over End or Side of Crawlers							
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Jib No. 134					
		30.0 ft	40.0 ft	50.0 ft	60.0 ft	70.0 ft	80.0 ft
		Block Weight (lb)					
90.0 - 110.0	8	13,000	13,000	13,000	13,000	13,000	10,800
120.0	8	13,000	13,000	13,000	13,000	12,200	10,700
130.0	8	13,000	13,000	13,000	11,200	10,300	9,300
140.0	8	12,600	12,300	11,200	10,100	8,600	7,800
150.0	8	10,200	10,000	9,100	8,100	6,900	6,100
160.0	8	8,800	8,000	7,200	6,400	5,400	4,700
170.0	8	6,200	5,500	4,700	3,800	3,100	#
180.0	8	4,000	3,200	#	#	#	#
190.0	8	#	#	#	#	#	#
200.0	8	#	#	<b>Raising Not Permitted</b>			
210.0	8	#	#				
220.0	8	#	#				

**Table 2**

Over End of Blocked Crawlers							
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Jib No. 134					
		30.0 ft	40.0 ft	50.0 ft	60.0 ft	70.0 ft	80.0 ft
		Block Weight (lb)					
90.0 - 110.0	8	13,000	13,000	13,000	13,000	13,000	10,800
120.0	8	13,000	13,000	13,000	13,000	12,200	10,700
130.0	8	13,000	13,000	13,000	11,200	10,300	9,300
140.0	8	12,600	12,300	11,200	10,100	8,600	7,800
150.0	8	10,200	10,000	9,100	8,100	6,900	6,100
160.0	8	9,100	8,200	7,300	6,500	5,400	4,700
170.0	8	7,100	6,400	5,600	4,900	4,400	4,200
180.0	8	5,400	4,700	4,100	4,000	4,000	4,000
190.0	8	4,000	4,000	4,000	3,400	#	#
200.0	8	3,500	#	#	#	#	#
210.0	8	#	#	#	#	#	#
220.0	8	#	#	#	<b>Raising Not Permitted</b>		

**Warning:** Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

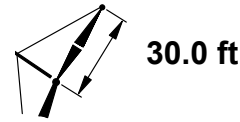
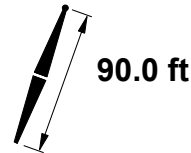
## Explanation of Symbols

	Jib No. 134 + Boom No. B10:82A
	Crane Counterweight + Carbody Counterweight
	360 Degree Rating
	Boom Length
	Jib Length
	Jib Offset Angle
	Operating Radius (see page 1)
	Boom Angle (see page 1)
	Jib Point Elevation (see page 1)
	Lifting Capacities (see page 1)

REFERENCE ONLY!

# MLC250 S-1

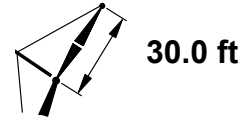
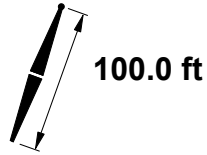
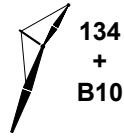
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
30	79.2	125.6	59,000	79.3	123.6	59,000				30
35	76.7	124.4	59,000	76.8	122.2	59,000	79.3	120.5	48,800	35
40	74.3	123.0	59,000	74.2	120.6	58,000	76.7	118.8	46,200	40
45	71.7	121.3	59,000	71.7	118.7	56,900	74.1	116.9	43,800	45
50	69.2	119.4	59,000	69.0	116.5	56,000	71.4	114.7	41,700	50
55	66.6	117.3	58,700	66.4	114.0	55,100	68.7	112.2	39,800	55
60	63.9	114.8	57,500	63.6	111.3	54,300	65.9	109.4	38,200	60
65	61.2	112.1	56,300	60.8	108.2	53,500	63.1	106.3	36,700	65
70	58.4	109.1	55,300	57.9	104.8	51,600	60.1	102.8	35,300	70
75	55.5	105.7	54,400	54.9	100.9	49,100	57.0	98.8	34,100	75
80	52.5	101.9	49,700	51.7	96.7	46,100	53.7	94.5	33,100	80
85	49.4	97.6	45,500	48.4	91.9	42,400	50.3	89.5	32,100	85
90	46.1	92.9	41,900	44.8	86.5	39,000	46.7	84.0	31,300	90
95	42.6	87.6	38,600	41.0	80.3	36,100	42.7	77.6	30,500	95
100	38.9	81.5	35,700	36.9	73.2	33,400				100
105	34.8	74.5	33,100	32.1	64.8	31,000				105
110	30.2	66.3	30,700							110
115	24.8	56.2	28,600							115

# MLC250 S-1

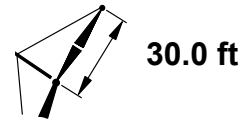
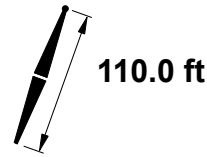
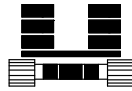
ASME B30.5



	5°			15°			25°					
	ft	o	ft	lb	ft	o	ft	lb	ft			
30	80.0		135.8	59,000						30		
35	77.8		134.7	59,000	80.1		133.9	59,000		35		
40	75.5		133.4	59,000	77.8		132.6	59,000	80.2	130.9	49,800	40
45	73.2		131.9	59,000	75.5		131.1	58,400	77.8	129.3	47,200	45
50	70.9		130.2	59,000	73.2		129.4	57,400	75.4	127.6	44,900	50
55	68.5		128.2	59,000	70.8		127.4	56,500	73.0	125.6	42,900	55
60	66.1		126.0	58,300	68.3		125.2	55,600	70.5	123.3	41,100	60
65	63.6		123.5	57,200	65.9		122.7	54,800	68.0	120.8	39,400	65
70	61.1		120.8	56,200	63.3		119.9	54,100	65.4	118.0	37,900	70
75	58.5		117.7	53,900	60.7		116.9	53,400	62.8	114.9	36,600	75
80	55.9		114.4	49,100	58.1		113.5	49,800	60.1	111.4	35,300	80
85	53.1		110.7	44,900	55.3		109.7	45,600	57.2	107.6	34,200	85
90	50.3		106.5	41,200	52.4		105.6	41,800	54.3	103.3	33,200	90
95	47.3		102.0	38,000	49.4		101.0	38,500	51.2	98.6	32,300	95
100	44.2		96.9	35,100	46.2		95.8	35,500	48.0	93.4	31,500	100
105	40.8		91.3	32,500	42.8		90.1	32,900	44.5	87.4	30,800	105
110	37.3		84.8	30,200	39.2		83.6	30,500				110
115	33.3		77.5	28,000	35.2		76.1	28,300				115
120	28.9		68.8	26,100	30.7		67.2	26,300				120
125	23.7		58.2	24,300								125

# MLC250 S-1

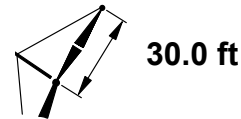
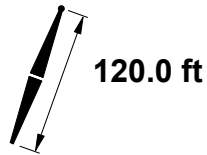
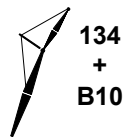
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
30	80.8	145.9	59,000							30
35	78.7	144.9	59,000	80.8	144.2	59,000				35
40	76.6	143.7	59,000	78.7	143.0	59,000	80.9	141.2	50,700	40
45	74.4	142.3	59,000	76.6	141.6	58,700	78.7	139.8	48,200	45
50	72.3	140.8	59,000	74.4	140.0	57,800	76.5	138.2	46,000	50
55	70.1	139.0	59,000	72.2	138.1	56,900	74.3	136.3	44,000	55
60	67.9	136.9	59,000	70.0	136.1	56,100	72.1	134.3	42,200	60
65	65.7	134.7	58,000	67.7	133.8	55,300	69.8	132.0	40,500	65
70	63.4	132.2	56,900	65.4	131.3	54,600	67.4	129.4	39,000	70
75	61.0	129.4	53,400	63.1	128.6	53,900	65.0	126.6	37,700	75
80	58.7	126.4	48,600	60.7	125.5	49,300	62.6	123.5	36,500	80
85	56.2	123.1	44,400	58.2	122.2	45,100	60.1	120.1	35,300	85
90	53.7	119.4	40,700	55.6	118.5	41,300	57.5	116.3	34,300	90
95	51.0	115.4	37,400	53.0	114.4	38,000	54.8	112.2	33,400	95
100	48.3	111.0	34,500	50.3	110.0	35,100	51.9	107.7	32,500	100
105	45.5	106.2	31,900	47.4	105.1	32,400	49.0	102.6	31,800	105
110	42.5	100.8	29,600	44.3	99.6	30,000	45.9	97.0	30,300	110
115	39.3	94.8	27,500	41.1	93.6	27,800	42.5	90.8	28,100	115
120	35.8	88.0	25,500	37.6	86.7	25,800				120
125	32.0	80.3	23,800	33.8	78.8	24,000				125
130	27.8	71.2	22,100							130
135	22.8	60.1	20,600							135

# MLC250 S-1

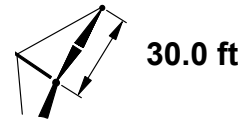
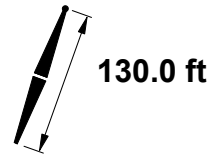
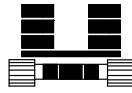
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	79.4	155.2	59,000							35
40	77.5	154.0	59,000	79.5	153.3	59,000				40
45	75.5	152.8	59,000	77.5	152.0	59,000	79.5	150.2	49,100	45
50	73.5	151.3	59,000	75.5	150.5	58,100	77.5	148.7	46,900	50
55	71.5	149.6	59,000	73.5	148.8	57,200	75.4	147.0	45,000	55
60	69.5	147.7	59,000	71.4	146.9	56,400	73.4	145.0	43,200	60
65	67.4	145.7	58,600	69.3	144.8	55,700	71.2	142.9	41,600	65
70	65.3	143.4	57,600	67.2	142.5	55,000	69.1	140.6	40,100	70
75	63.2	140.8	53,100	65.1	140.0	54,000	66.9	138.0	38,700	75
80	61.0	138.1	48,300	62.9	137.2	49,100	64.7	135.2	37,500	80
85	58.7	135.1	44,100	60.6	134.2	44,800	62.4	132.1	36,400	85
90	56.5	131.8	40,400	58.3	130.8	41,100	60.1	128.7	35,300	90
95	54.1	128.2	37,100	56.0	127.2	37,800	57.6	125.0	34,400	95
100	51.7	124.3	34,300	53.5	123.3	34,800	55.2	121.0	33,500	100
105	49.2	120.0	31,700	51.0	118.9	32,200	52.6	116.6	32,600	105
110	46.5	115.3	29,300	48.3	114.2	29,800	49.9	111.8	30,200	110
115	43.8	110.2	27,200	45.6	109.0	27,600	47.0	106.5	27,900	115
120	40.9	104.5	25,300	42.6	103.3	25,600	44.0	100.5	25,900	120
125	37.8	98.2	23,500	39.5	96.9	23,800				125
130	34.5	91.1	21,900	36.2	89.7	22,100				130
135	30.9	83.0	20,400	32.5	81.5	20,600				135
140	26.8	73.6	19,000							140
145	22.0	62.0	17,600							145

# MLC250 S-1

ASME B30.5

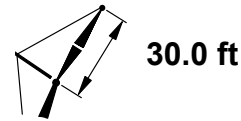
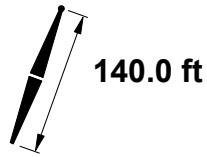


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.1	165.3	59,000							35
40	78.3	164.3	59,000	80.2	163.5	59,000				40
45	76.4	163.1	59,000	78.3	162.3	59,000	80.2	160.5	49,900	45
50	74.6	161.7	59,000	76.4	160.9	58,400	78.3	159.1	47,800	50
55	72.7	160.2	59,000	74.6	159.3	57,500	76.4	157.5	45,900	55
60	70.8	158.4	59,000	72.7	157.6	56,700	74.5	155.7	44,100	60
65	68.9	156.5	59,000	70.7	155.7	56,000	72.5	153.8	42,500	65
70	66.9	154.4	58,200	68.8	153.5	55,400	70.5	151.6	41,100	70
75	65.0	152.1	52,700	66.8	151.2	53,700	68.5	149.2	39,700	75
80	63.0	149.5	47,900	64.8	148.6	48,700	66.5	146.6	38,500	80
85	60.9	146.7	43,700	62.7	145.8	44,500	64.4	143.8	37,300	85
90	58.8	143.7	40,000	60.6	142.8	40,700	62.2	140.7	36,300	90
95	56.7	140.5	36,700	58.4	139.5	37,400	60.1	137.4	35,300	95
100	54.5	136.9	33,800	56.2	136.0	34,400	57.8	133.8	34,400	100
105	52.2	133.1	31,200	54.0	132.1	31,800	55.5	129.8	32,300	105
110	49.9	128.9	28,900	51.6	127.9	29,400	53.1	125.5	29,900	110
115	47.5	124.4	26,800	49.2	123.3	27,200	50.6	120.9	27,600	115
120	45.0	119.4	24,900	46.6	118.3	25,300	48.0	115.7	25,600	120
125	42.3	114.0	23,100	43.9	112.8	23,500	45.3	110.1	23,800	125
130	39.5	108.1	21,500	41.1	106.8	21,800	42.4	103.9	22,000	130
135	36.6	101.5	20,000	38.1	100.1	20,200				135
140	33.4	94.1	18,600	34.9	92.6	18,800				140
145	29.9	85.6	17,300	31.3	84.0	17,500				145
150	25.9	75.8	16,100							150
155	21.3	63.9	14,900							155



# MLC250 S-1

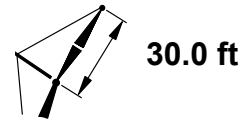
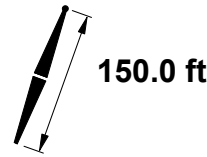
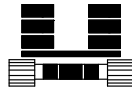
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.7	175.5	59,000							35
40	79.0	174.5	59,000	80.8	173.7	59,000				40
45	77.3	173.4	59,000	79.0	172.6	59,000	80.8	170.8	50,600	45
50	75.5	172.1	59,000	77.3	171.3	58,500	79.0	169.5	48,600	50
55	73.8	170.7	59,000	75.5	169.8	57,700	77.3	168.0	46,700	55
60	72.0	169.0	59,000	73.7	168.2	57,000	75.4	166.3	45,000	60
65	70.2	167.2	59,000	71.9	166.4	56,300	73.6	164.5	43,400	65
70	68.4	165.3	58,000	70.1	164.4	55,600	71.8	162.5	42,000	70
75	66.5	163.1	52,400	68.3	162.2	53,400	69.9	160.3	40,600	75
80	64.7	160.7	47,500	66.4	159.9	48,500	68.0	157.9	39,400	80
85	62.8	158.2	43,300	64.5	157.3	44,200	66.1	155.3	38,300	85
90	60.9	155.4	39,700	62.5	154.5	40,400	64.1	152.4	37,200	90
95	58.9	152.4	36,400	60.6	151.5	37,100	62.1	149.4	36,200	95
100	56.9	149.2	33,500	58.5	148.2	34,200	60.1	146.0	34,800	100
105	54.8	145.7	30,900	56.5	144.7	31,500	58.0	142.5	32,000	105
110	52.7	141.9	28,600	54.3	140.9	29,100	55.8	138.6	29,600	110
115	50.5	137.8	26,500	52.1	136.8	27,000	53.6	134.4	27,400	115
120	48.3	133.4	24,500	49.9	132.3	25,000	51.2	129.9	25,400	120
125	46.0	128.6	22,800	47.5	127.5	23,200	48.8	124.9	23,500	125
130	43.5	123.4	21,200	45.1	122.2	21,500	46.3	119.6	21,800	130
135	41.0	117.7	19,700	42.5	116.5	20,000	43.7	113.7	20,200	135
140	38.3	111.5	18,300	39.8	110.2	18,600				140
145	35.4	104.6	17,000	36.9	103.2	17,200				145
150	32.3	96.9	15,800	33.7	95.4	16,000				150
155	28.9	88.2	14,700							155
160	25.1	78.0	13,600							160
165	20.6	65.6	12,600							165

# MLC250 S-1

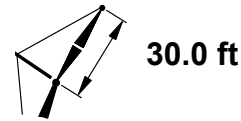
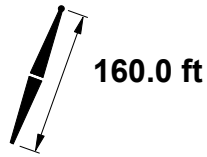
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.6	184.7	59,000							40
45	78.0	183.7	59,000	79.6	182.9	59,000				45
50	76.3	182.5	59,000	78.0	181.6	58,600	79.7	179.8	49,300	50
55	74.7	181.1	59,000	76.3	180.3	57,900	78.0	178.4	47,400	55
60	73.0	179.6	59,000	74.7	178.7	57,200	76.3	176.8	45,800	60
65	71.3	177.9	59,000	73.0	177.0	56,500	74.6	175.1	44,200	65
70	69.6	176.0	57,500	71.3	175.2	55,900	72.9	173.2	42,800	70
75	67.9	174.0	51,800	69.5	173.1	52,900	71.1	171.2	41,500	75
80	66.2	171.8	47,000	67.8	170.9	48,000	69.4	168.9	40,300	80
85	64.4	169.4	42,800	66.0	168.5	43,700	67.6	166.5	39,100	85
90	62.6	166.8	39,100	64.2	165.9	39,900	65.7	163.9	38,100	90
95	60.8	164.1	35,800	62.4	163.1	36,600	63.9	161.1	37,100	95
100	59.0	161.1	32,900	60.5	160.1	33,600	62.0	158.0	34,300	100
105	57.1	157.8	30,300	58.6	156.9	31,000	60.1	154.7	31,600	105
110	55.1	154.4	28,000	56.7	153.4	28,600	58.1	151.2	29,100	110
115	53.1	150.7	25,900	54.7	149.6	26,400	56.0	147.4	26,900	115
120	51.1	146.7	23,900	52.6	145.6	24,400	54.0	143.3	24,900	120
125	49.0	142.3	22,200	50.5	141.3	22,600	51.8	138.8	23,000	125
130	46.8	137.7	20,600	48.3	136.6	21,000	49.6	134.1	21,300	130
135	44.6	132.7	19,100	46.0	131.5	19,400	47.2	128.9	19,800	135
140	42.2	127.2	17,700	43.7	126.0	18,000	44.8	123.3	18,300	140
145	39.8	121.3	16,400	41.2	120.0	16,700	42.3	117.1	16,900	145
150	37.1	114.8	15,200	38.5	113.5	15,500				150
155	34.4	107.7	14,100	35.7	106.2	14,300				155
160	31.4	99.7	13,000	32.7	98.1	13,200				160
165	28.1	90.6	12,000							165
170	24.4	80.1	11,100							170
175	20.0	67.3	10,200							175

# MLC250 S-1

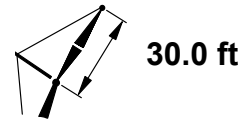
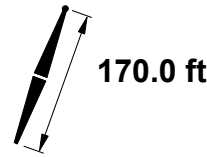
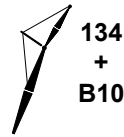
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.2		194.9							40
45	78.6		193.9							45
50	77.1		192.8							50
55	75.5		191.5							55
60	73.9		190.0							60
65	72.4		188.5							65
70	70.8		186.7							70
75	69.2		184.8							75
80	67.5		182.7							80
85	65.9		180.5							85
90	64.2		178.1							90
95	62.5		175.5							95
100	60.8		172.7							100
105	59.0		169.7							105
110	57.2		166.5							110
115	55.4		163.1							115
120	53.5		159.4							120
125	51.6		155.5							125
130	49.6		151.3							130
135	47.6		146.7							135
140	45.5		141.9							140
145	43.3		136.6							145
150	41.0		131.0							150
155	38.6		124.8							155
160	36.1		118.1							160
165	33.4		110.6							165
170	30.5		102.4							170
175	27.3		93.0							175
180	23.7		82.2							180

# MLC250 S-1

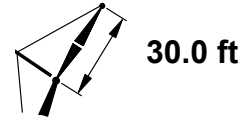
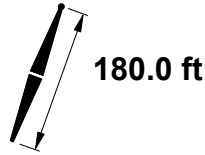
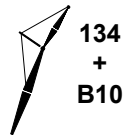
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.7	205.1	59,000							40
45	79.2	204.1	59,000	80.7	203.3	59,000				45
50	77.7	203.0	59,000	79.2	202.2	58,600				50
55	76.3	201.8	59,000	77.7	201.0	57,900	80.7	200.3	50,500	55
60	74.8	200.5	59,000	76.3	199.6	57,300	79.2	199.1	48,800	60
65	73.3	199.0	59,000	74.8	198.1	56,700	77.7	197.7	47,200	65
70	71.8	197.3	56,700	73.2	196.5	56,100	76.2	196.2	45,700	70
75	70.2	195.5	51,100	71.7	194.7	52,200	74.7	194.5	44,300	75
80	68.7	193.6	46,200	70.2	192.7	47,300	73.1	192.7	43,000	80
85	67.2	191.5	42,000	68.6	190.6	42,900	71.6	190.7	41,800	85
90	65.6	189.2	38,300	67.0	188.3	39,200	70.0	188.6	40,700	90
95	64.0	186.8	35,000	65.4	185.9	35,800	68.4	186.3	39,600	95
100	62.4	184.2	32,100	63.8	183.2	32,900	66.8	183.8	36,600	100
105	60.7	181.4	29,500	62.2	180.4	30,200	65.1	181.2	33,600	105
110	59.1	178.4	27,200	60.5	177.4	27,800	63.5	178.3	30,900	110
115	57.4	175.2	25,000	58.8	174.2	25,700	61.8	175.3	28,400	115
120	55.6	171.8	23,100	57.0	170.8	23,700	60.0	172.0	26,200	120
125	53.9	168.2	21,300	55.2	167.2	21,900	58.3	168.6	24,200	125
130	52.1	164.3	19,700	53.4	163.3	20,200	56.5	164.9	22,400	130
135	50.2	160.2	18,200	51.5	159.1	18,700	54.6	160.9	20,700	135
140	48.3	155.7	16,900	49.6	154.6	17,300	52.7	156.7	19,100	140
145	46.3	151.0	15,600	47.6	149.9	16,000	50.8	152.1	17,600	145
150	44.3	145.9	14,400	45.6	144.7	14,700	48.7	147.3	16,300	150
155	42.1	140.5	13,300	43.4	139.2	13,600	46.6	142.0	15,000	155
160	39.9	134.6	12,200	41.2	133.3	12,500	44.5	136.4	13,800	160
165	37.6	128.2	11,300	38.8	126.8	11,500	42.2	130.3	12,700	165
170	35.1	121.2	10,300	36.4	119.7	10,600				170
175	32.5	113.5	9,500	33.7	112.0	9,700				175
180	29.7	105.0	8,700	30.8	103.3	8,800				180
185	26.6	95.3	7,900							185
190	23.1	84.2	7,100							190

# MLC250 S-1

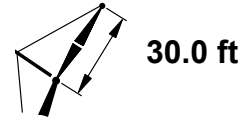
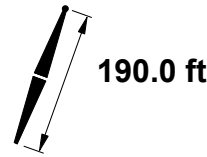
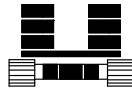
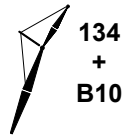
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.7	214.3	59,000							45
50	78.3	213.3	59,000	79.8	212.5	58,500				50
55	76.9	212.1	59,000	78.3	211.3	57,900	79.8	209.4	49,400	55
60	75.5	210.8	59,000	76.9	210.0	57,300	78.4	208.1	47,800	60
65	74.1	209.4	59,000	75.5	208.6	56,700	76.9	206.6	46,400	65
70	72.7	207.9	56,400	74.1	207.0	56,200	75.5	205.1	45,000	70
75	71.2	206.2	50,700	72.6	205.3	51,900	74.0	203.3	43,700	75
80	69.8	204.3	45,800	71.2	203.4	46,900	72.5	201.5	42,500	80
85	68.3	202.3	41,600	69.7	201.4	42,600	71.0	199.4	41,400	85
90	66.8	200.2	37,900	68.2	199.3	38,800	69.5	197.3	39,700	90
95	65.3	197.9	34,600	66.7	197.0	35,500	68.0	195.0	36,300	95
100	63.8	195.5	31,700	65.2	194.5	32,500	66.5	192.5	33,300	100
105	62.3	192.8	29,100	63.6	191.9	29,900	64.9	189.8	30,600	105
110	60.7	190.0	26,800	62.0	189.1	27,500	63.3	187.0	28,100	110
115	59.1	187.1	24,600	60.5	186.1	25,300	61.7	183.9	25,900	115
120	57.5	183.9	22,700	58.8	182.9	23,300	60.0	180.7	23,900	120
125	55.8	180.5	21,000	57.2	179.5	21,500	58.4	177.2	22,000	125
130	54.2	176.9	19,300	55.5	175.9	19,900	56.7	173.6	20,300	130
135	52.5	173.1	17,800	53.8	172.0	18,300	54.9	169.7	18,800	135
140	50.7	169.0	16,500	52.0	168.0	16,900	53.1	165.5	17,300	140
145	48.9	164.7	15,200	50.2	163.6	15,600	51.3	161.1	16,000	145
150	47.0	160.1	14,000	48.3	158.9	14,400	49.4	156.4	14,700	150
155	45.1	155.1	12,900	46.4	154.0	13,200	47.4	151.3	13,500	155
160	43.1	149.9	11,900	44.4	148.6	12,200	45.3	145.9	12,400	160
165	41.1	144.2	10,900	42.3	142.9	11,200	43.2	140.0	11,400	165
170	38.9	138.1	10,000	40.1	136.7	10,200				170
175	36.6	131.5	9,100	37.8	130.0	9,300				175
180	34.3	124.3	8,300	35.4	122.8	8,500				180
185	31.7	116.3	7,500	32.8	114.7	7,700				185
190	28.9	107.5	6,800							190
195	25.9	97.6	6,100							195
200	22.5	86.1	5,400							200

# MLC250 S-1

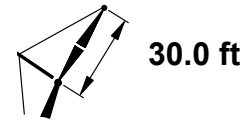
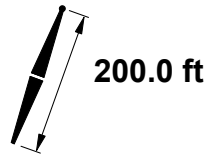
ASME B30.5



ft	5°			15°			25°			ft
	o	ft	lb	o	ft	lb	o	ft	lb	
45	80.2	224.5	59,000							45
50	78.9	223.5	59,000	80.2	222.7	58,500				50
55	77.5	222.4	59,000	78.9	221.6	57,800	80.3	219.7	50,000	55
60	76.2	221.2	59,000	77.5	220.3	57,300	78.9	218.4	48,400	60
65	74.8	219.8	59,000	76.2	219.0	56,700	77.5	217.0	47,000	65
70	73.5	218.4	55,900	74.8	217.5	56,200	76.2	215.5	45,600	70
75	72.1	216.7	50,200	73.5	215.9	51,500	74.8	213.9	44,400	75
80	70.7	215.0	45,300	72.1	214.1	46,500	73.4	212.1	43,200	80
85	69.3	213.1	41,100	70.7	212.2	42,100	72.0	210.2	42,100	85
90	67.9	211.1	37,300	69.3	210.2	38,300	70.5	208.2	39,300	90
95	66.5	208.9	34,100	67.8	208.0	35,000	69.1	206.0	35,900	95
100	65.1	206.6	31,200	66.4	205.7	32,000	67.6	203.6	32,800	100
105	63.6	204.1	28,600	64.9	203.2	29,300	66.2	201.1	30,100	105
110	62.2	201.5	26,200	63.5	200.6	26,900	64.7	198.4	27,600	110
115	60.7	198.7	24,100	62.0	197.7	24,800	63.2	195.6	25,400	115
120	59.2	195.7	22,100	60.4	194.7	22,800	61.6	192.6	23,400	120
125	57.6	192.6	20,400	58.9	191.6	21,000	60.0	189.3	21,500	125
130	56.0	189.2	18,800	57.3	188.2	19,300	58.4	185.9	19,800	130
135	54.4	185.7	17,300	55.7	184.6	17,800	56.8	182.3	18,300	135
140	52.8	181.9	15,900	54.1	180.8	16,400	55.2	178.5	16,800	140
145	51.1	177.9	14,600	52.4	176.8	15,100	53.5	174.4	15,500	145
150	49.4	173.6	13,400	50.7	172.5	13,800	51.7	170.0	14,200	150
155	47.7	169.1	12,300	48.9	168.0	12,700	49.9	165.4	13,000	155
160	45.9	164.3	11,300	47.1	163.1	11,600	48.1	160.5	11,900	160
165	44.0	159.2	10,300	45.2	158.0	10,600	46.1	155.2	10,900	165
170	42.1	153.7	9,400	43.2	152.4	9,700	44.2	149.6	9,900	170
175	40.1	147.8	8,500	41.2	146.5	8,800	42.1	143.5	9,000	175
180	38.0	141.5	7,700	39.1	140.1	8,000				180
185	35.8	134.7	6,900	36.9	133.2	7,200				185
190	33.4	127.2	6,200	34.5	125.7	6,400				190
195	30.9	119.1	5,500	32.0	117.4	5,700				195
200	28.2	110.0	4,900							200
205	25.3	99.8	4,200							205

# MLC250 S-1

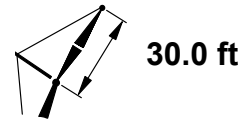
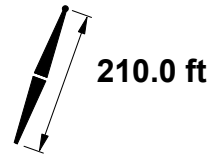
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.6	234.7	59,000							45
50	79.4	233.7	59,000	80.7	232.9	58,200				50
55	78.1	232.7	59,000	79.4	231.8	57,700	80.7	229.9	50,500	55
60	76.8	231.5	59,000	78.1	230.6	57,100	79.4	228.7	49,000	60
65	75.5	230.2	59,000	76.8	229.3	56,600	78.1	227.4	47,600	65
70	74.2	228.8	55,500	75.5	227.9	56,400	76.8	226.0	46,200	70
75	72.9	227.3	49,800	74.2	226.4	51,100	75.5	224.4	45,000	75
80	71.6	225.6	44,900	72.9	224.7	46,100	74.1	222.7	43,800	80
85	70.3	223.8	40,600	71.6	222.9	41,800	72.8	220.9	42,700	85
90	68.9	221.9	36,900	70.2	221.0	38,000	71.4	219.0	39,000	90
95	67.6	219.8	33,700	68.9	218.9	34,600	70.1	216.9	35,500	95
100	66.2	217.6	30,700	67.5	216.7	31,600	68.7	214.7	32,500	100
105	64.9	215.3	28,100	66.1	214.4	29,000	67.3	212.3	29,800	105
110	63.5	212.8	25,800	64.7	211.9	26,600	65.9	209.8	27,300	110
115	62.1	210.2	23,700	63.3	209.2	24,400	64.5	207.1	25,100	115
120	60.6	207.4	21,700	61.9	206.4	22,400	63.0	204.2	23,000	120
125	59.2	204.4	20,000	60.4	203.4	20,600	61.5	201.2	21,200	125
130	57.7	201.2	18,300	58.9	200.2	18,900	60.0	198.0	19,500	130
135	56.2	197.9	16,800	57.4	196.9	17,400	58.5	194.6	17,900	135
140	54.7	194.4	15,500	55.9	193.4	16,000	57.0	191.0	16,400	140
145	53.1	190.7	14,200	54.3	189.6	14,700	55.4	187.2	15,100	145
150	51.6	186.7	13,000	52.7	185.6	13,400	53.8	183.2	13,800	150
155	49.9	182.5	11,900	51.1	181.4	12,300	52.1	178.9	12,700	155
160	48.3	178.1	10,800	49.4	177.0	11,200	50.4	174.4	11,600	160
165	46.6	173.4	9,900	47.7	172.2	10,200	48.7	169.6	10,500	165
170	44.8	168.4	9,000	45.9	167.2	9,300	46.9	164.5	9,600	170
175	43.0	163.1	8,100	44.1	161.8	8,400	45.0	159.0	8,700	175
180	41.1	157.4	7,300	42.2	156.1	7,600	43.1	153.2	7,800	180
185	39.1	151.3	6,500	40.2	150.0	6,800				185
190	37.1	144.8	5,800	38.2	143.4	6,000				190
195	34.9	137.8	5,100	36.0	136.3	5,300				195
200	32.7	130.1	4,500	33.7	128.5	4,600				200
205				31.2	120.0	4,000				205

# MLC250 S-1

ASME B30.5

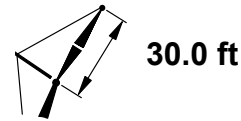
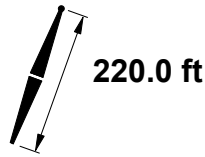


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
45	81.0	244.8	59,000							45
50	79.8	243.9	59,000							50
55	78.6	242.9	59,000	79.8	242.0	57,400				55
60	77.4	241.8	59,000	78.6	240.9	56,900	79.9	239.0	49,500	60
65	76.1	240.6	59,000	77.4	239.7	56,400	78.6	237.7	48,100	65
70	74.9	239.2	55,100	76.1	238.3	56,000	77.4	236.4	46,800	70
75	73.7	237.7	49,300	74.9	236.9	50,700	76.1	234.9	45,600	75
80	72.4	236.2	44,400	73.6	235.3	45,700	74.8	233.3	44,400	80
85	71.1	234.4	40,200	72.4	233.6	41,300	73.6	231.6	42,500	85
90	69.9	232.6	36,500	71.1	231.7	37,500	72.3	229.7	38,600	90
95	68.6	230.7	33,200	69.8	229.8	34,200	71.0	227.7	35,200	95
100	67.3	228.6	30,300	68.5	227.7	31,200	69.7	225.6	32,100	100
105	66.0	226.3	27,700	67.2	225.4	28,500	68.3	223.3	29,400	105
110	64.7	224.0	25,300	65.9	223.0	26,100	67.0	221.0	26,900	110
115	63.3	221.5	23,200	64.5	220.5	23,900	65.6	218.4	24,700	115
120	62.0	218.8	21,200	63.2	217.9	22,000	64.3	215.7	22,600	120
125	60.6	216.0	19,500	61.8	215.0	20,100	62.9	212.9	20,800	125
130	59.2	213.1	17,900	60.4	212.1	18,500	61.5	209.9	19,100	130
135	57.8	209.9	16,400	59.0	208.9	16,900	60.0	206.7	17,500	135
140	56.4	206.6	15,000	57.5	205.6	15,500	58.6	203.3	16,000	140
145	54.9	203.1	13,700	56.1	202.1	14,200	57.1	199.7	14,700	145
150	53.4	199.4	12,500	54.6	198.4	13,000	55.6	196.0	13,400	150
155	51.9	195.5	11,400	53.1	194.4	11,800	54.1	192.0	12,200	155
160	50.4	191.4	10,400	51.5	190.3	10,800	52.5	187.8	11,100	160
165	48.8	187.1	9,400	49.9	185.9	9,800	50.9	183.4	10,100	165
170	47.2	182.5	8,500	48.3	181.3	8,800	49.2	178.7	9,200	170
175	45.5	177.6	7,600	46.6	176.4	8,000	47.5	173.7	8,200	175
180	43.8	172.4	6,800	44.9	171.2	7,100	45.7	168.4	7,400	180
185	42.0	166.9	6,000	43.1	165.6	6,300	43.9	162.8	6,600	185
190	40.2	161.1	5,300	41.2	159.7	5,600	42.0	156.7	5,800	190
195	38.3	154.8	4,600	39.3	153.4	4,900				195
200	36.3	148.1	4,000	37.3	146.6	4,200				200



# MLC250 S-1

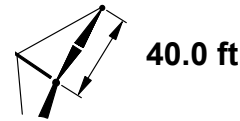
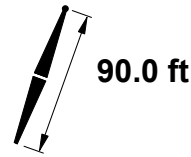
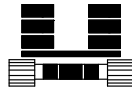
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.2	254.1	59,000							50
55	79.1	253.1	59,000	80.3	252.3	57,200				55
60	77.9	252.0	59,000	79.1	251.2	56,700	80.3	249.2	50,000	60
65	76.7	250.9	59,000	77.9	250.0	56,200	79.1	248.0	48,600	65
70	75.5	249.6	54,700	76.7	248.7	55,800	77.9	246.7	47,300	70
75	74.3	248.2	48,900	75.5	247.3	50,300	76.7	245.3	46,100	75
80	73.1	246.7	44,000	74.3	245.8	45,300	75.5	243.8	45,000	80
85	71.9	245.0	39,800	73.1	244.1	41,000	74.3	242.1	42,200	85
90	70.7	243.3	36,100	71.9	242.4	37,200	73.0	240.4	38,200	90
95	69.5	241.4	32,800	70.7	240.5	33,800	71.8	238.5	34,800	95
100	68.3	239.4	29,900	69.4	238.5	30,800	70.5	236.5	31,700	100
105	67.0	237.3	27,200	68.2	236.4	28,100	69.3	234.3	29,000	105
110	65.8	235.1	24,900	66.9	234.1	25,700	68.0	232.0	26,500	110
115	64.5	232.7	22,800	65.6	231.7	23,500	66.7	229.6	24,300	115
120	63.2	230.2	20,800	64.3	229.2	21,600	65.4	227.1	22,300	120
125	61.9	227.5	19,000	63.0	226.5	19,700	64.1	224.4	20,400	125
130	60.6	224.7	17,400	61.7	223.7	18,100	62.8	221.5	18,700	130
135	59.3	221.7	15,900	60.4	220.7	16,500	61.4	218.5	17,100	135
140	57.9	218.6	14,500	59.0	217.6	15,100	60.0	215.3	15,600	140
145	56.5	215.3	13,300	57.6	214.3	13,800	58.6	212.0	14,300	145
150	55.1	211.8	12,100	56.2	210.8	12,600	57.2	208.5	13,000	150
155	53.7	208.2	11,000	54.8	207.1	11,400	55.8	204.7	11,900	155
160	52.3	204.3	9,900	53.4	203.2	10,400	54.3	200.8	10,800	160
165	50.8	200.3	9,000	51.9	199.2	9,400	52.8	196.7	9,700	165
170	49.3	196.0	8,000	50.4	194.9	8,400	51.3	192.3	8,800	170
175	47.7	191.5	7,200	48.8	190.3	7,600	49.7	187.7	7,900	175
180	46.2	186.7	6,400	47.2	185.5	6,700	48.1	182.8	7,000	180
185	44.5	181.7	5,600	45.6	180.4	5,900	46.4	177.7	6,200	185
190	42.9	176.3	4,900	43.9	175.1	5,200	44.7	172.2	5,400	190
195	41.1	170.6	4,200	42.1	169.3	4,500	42.9	166.4	4,700	195

# MLC250 S-1

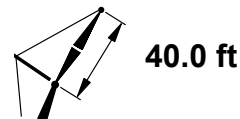
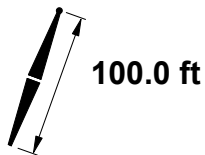
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
30	80.7	135.7	55,300							30
35	78.5	134.6	53,600							35
40	76.2	133.3	52,200	79.3	132.3	48,200				40
45	73.9	131.8	50,800	77.0	130.8	47,300	80.1	128.6	39,400	45
50	71.6	130.1	49,500	74.6	129.0	46,400	77.7	126.8	37,400	50
55	69.2	128.1	48,400	72.2	127.1	45,500	75.2	124.8	35,600	55
60	66.8	125.9	47,300	69.8	124.8	44,700	72.8	122.5	34,000	60
65	64.3	123.4	46,100	67.3	122.3	44,100	70.2	120.0	32,500	65
70	61.8	120.7	45,200	64.8	119.6	41,900	67.6	117.1	31,200	70
75	59.2	117.7	44,300	62.1	116.5	39,700	65.0	114.0	30,000	75
80	56.6	114.3	43,500	59.5	113.1	37,800	62.2	110.5	29,000	80
85	53.8	110.6	42,800	56.7	109.3	36,000	59.3	106.6	28,000	85
90	51.0	106.5	41,000	53.8	105.2	34,500	56.4	102.4	27,100	90
95	48.0	101.9	38,900	50.8	100.5	33,000	53.3	97.6	26,300	95
100	44.8	96.8	36,500	47.6	95.4	31,700	50.0	92.3	25,600	100
105	41.5	91.2	33,900	44.2	89.6	30,600	46.4	86.2	25,000	105
110	37.9	84.7	31,600	40.5	83.0	29,500				110
115	34.0	77.3	29,400	36.5	75.5	28,600				115
120	29.6	68.7	27,500	31.9	66.5	27,800				120
125	24.4	58.0	25,700							125

# MLC250 S-1

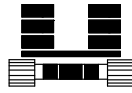
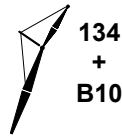
ASME B30.5



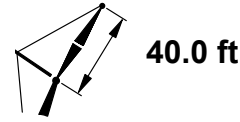
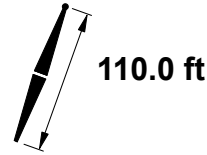
	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
35	79.3	144.9	54,100							35
40	77.2	143.7	52,700	80.1	142.6	48,500				40
45	75.1	142.3	51,400	77.9	141.2	47,500	80.8	139.0	40,200	45
50	72.9	140.7	50,200	75.8	139.6	46,700	78.6	137.3	38,200	50
55	70.8	138.9	49,000	73.6	137.8	46,000	76.4	135.5	36,400	55
60	68.6	136.9	47,900	71.3	135.8	45,200	74.1	133.4	34,800	60
65	66.3	134.6	46,900	69.1	133.5	44,500	71.8	131.1	33,400	65
70	64.0	132.1	46,000	66.8	131.0	43,800	69.5	128.5	32,100	70
75	61.7	129.4	45,100	64.4	128.2	41,600	67.0	125.7	31,000	75
80	59.3	126.3	44,300	62.0	125.1	39,600	64.6	122.5	29,900	80
85	56.8	123.0	43,500	59.5	121.8	37,800	62.0	119.1	28,900	85
90	54.3	119.3	42,100	56.9	118.1	36,100	59.4	115.3	28,000	90
95	51.7	115.3	38,800	54.3	114.0	34,700	56.7	111.2	27,200	95
100	48.9	110.9	35,900	51.5	109.5	33,400	53.8	106.6	26,500	100
105	46.1	106.1	33,300	48.6	104.6	32,100	50.8	101.5	25,800	105
110	43.1	100.7	31,000	45.6	99.1	31,000	47.7	95.8	25,200	110
115	39.9	94.7	28,800	42.3	93.0	29,300	44.3	89.4	24,700	115
120	36.4	87.9	26,900	38.8	86.1	27,300				120
125	32.7	80.2	25,100	34.9	78.2	25,400				125
130	28.4	71.1	23,400							130
135	23.4	60.0	21,900							135

# MLC250 S-1

ASME B30.5



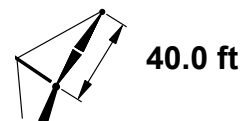
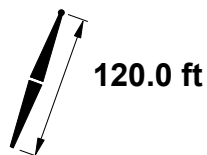
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
35	80.0	155.1	54,400							35
40	78.1	154.0	53,000	80.8	152.9	48,600				40
45	76.1	152.7	51,800	78.8	151.6	47,800				45
50	74.1	151.2	50,600	76.8	150.1	47,100	79.4	147.8	38,900	50
55	72.1	149.5	49,600	74.7	148.4	46,300	77.4	146.1	37,200	55
60	70.1	147.7	48,500	72.7	146.5	45,600	75.3	144.2	35,600	60
65	68.0	145.6	47,600	70.6	144.4	45,000	73.2	142.0	34,200	65
70	65.9	143.3	46,600	68.5	142.1	44,300	71.0	139.7	33,000	70
75	63.7	140.8	45,800	66.3	139.6	43,300	68.8	137.1	31,800	75
80	61.6	138.0	44,900	64.1	136.8	41,300	66.5	134.2	30,700	80
85	59.3	135.0	44,200	61.9	133.8	39,500	64.2	131.1	29,700	85
90	57.0	131.7	41,500	59.5	130.4	37,800	61.9	127.7	28,900	90
95	54.7	128.1	38,300	57.2	126.8	36,300	59.4	124.0	28,000	95
100	52.3	124.2	35,400	54.7	122.8	34,900	56.9	119.9	27,300	100
105	49.7	119.9	32,700	52.2	118.5	33,400	54.3	115.5	26,600	105
110	47.1	115.2	30,400	49.5	113.7	31,000	51.6	110.6	26,000	110
115	44.4	110.1	28,300	46.7	108.5	28,800	48.7	105.2	25,400	115
120	41.5	104.4	26,300	43.8	102.7	26,800	45.7	99.2	24,900	120
125	38.4	98.1	24,500	40.6	96.3	24,900				125
130	35.1	91.0	22,900	37.3	89.1	23,200				130
135	31.5	82.9	21,400	33.5	80.8	21,700				135
140	27.4	73.4	20,000							140
145	22.5	61.8	18,600							145

# MLC250 S-1

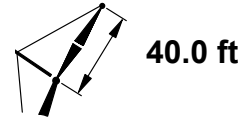
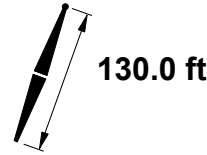
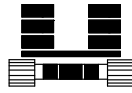
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.7	165.3	54,600							35
40	78.8	164.2	53,300							40
45	77.0	163.0	52,200							45
50	75.1	161.6	51,000	79.5	161.9	48,000				50
55	73.3	160.1	50,000	77.6	160.5	47,200	80.1	158.2	39,500	55
60	71.4	158.4	49,000	75.7	159.0	46,500	78.2	156.6	37,900	60
65	69.4	156.4	48,100	73.8	157.2	45,800	76.3	154.8	36,300	65
70	67.5	154.3	47,200	71.9	155.3	45,300	74.3	152.8	35,000	70
75	65.5	152.0	46,300	69.9	153.1	44,700	72.3	150.7	33,700	75
80	63.5	149.4	45,500	67.9	150.8	44,200	70.3	148.3	32,600	80
85	61.5	146.7	44,900	65.9	148.2	43,000	68.2	145.7	31,500	85
90	59.4	143.7	41,200	63.8	145.4	41,000	66.1	142.8	30,500	90
95	57.2	140.4	37,900	61.7	142.4	39,300	64.0	139.7	29,600	95
100	55.0	136.8	35,000	59.6	139.1	37,800	61.8	136.3	28,800	100
105	52.8	133.0	32,400	57.4	135.5	35,800	59.5	132.7	28,000	105
110	50.4	128.8	30,100	55.1	131.6	33,100	57.1	128.7	27,300	110
115	48.0	124.3	28,000	52.7	127.4	30,700	54.7	124.4	26,700	115
120	45.5	119.3	26,000	50.3	122.8	28,500	52.2	119.6	26,100	120
125	42.9	113.9	24,200	47.7	117.8	26,500	49.6	114.5	25,600	125
130	40.1	107.9	22,600	45.0	112.3	24,700	46.8	108.8	25,100	130
135	37.1	101.3	21,100	42.2	106.2	23,000	43.9	102.5	23,300	135
140	33.9	93.9	19,700	39.2	99.5	21,500				140
145	30.4	85.5	18,400	35.9	91.9	20,000				145
150	26.4	75.6	17,200	32.3	83.3	18,600				150
155	21.8	63.6	16,000							155

# MLC250 S-1

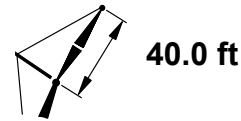
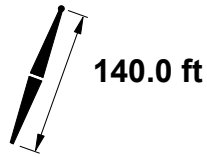
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.5	174.5	53,500							40
45	77.8	173.3	52,500	80.1	172.2	48,100				45
50	76.0	172.0	51,400	78.4	170.9	47,400	80.7	168.5	40,100	50
55	74.3	170.6	50,400	76.6	169.4	46,800	79.0	167.0	38,500	55
60	72.5	169.0	49,400	74.8	167.8	46,200	77.1	165.4	37,000	60
65	70.7	167.2	48,500	73.0	166.0	45,500	75.3	163.5	35,700	65
70	68.9	165.2	47,700	71.2	164.0	45,000	73.5	161.5	34,400	70
75	67.1	163.0	46,800	69.3	161.8	44,400	71.6	159.3	33,300	75
80	65.2	160.7	46,100	67.5	159.4	44,000	69.7	156.9	32,200	80
85	63.3	158.1	44,500	65.6	156.9	42,600	67.7	154.2	31,300	85
90	61.4	155.3	40,800	63.6	154.1	40,900	65.7	151.4	30,400	90
95	59.4	152.3	37,500	61.6	151.0	38,400	63.7	148.3	29,500	95
100	57.4	149.1	34,600	59.6	147.8	35,400	61.6	145.0	28,800	100
105	55.3	145.6	32,000	57.5	144.2	32,700	59.5	141.3	28,100	105
110	53.2	141.8	29,600	55.4	140.4	30,300	57.3	137.4	27,400	110
115	51.1	137.7	27,500	53.2	136.3	28,100	55.1	133.2	26,800	115
120	48.8	133.3	25,600	50.9	131.8	26,100	52.7	128.6	26,200	120
125	46.5	128.5	23,800	48.5	127.0	24,300	50.3	123.7	24,800	125
130	44.0	123.3	22,200	46.1	121.7	22,600	47.8	118.2	23,000	130
135	41.5	117.6	20,700	43.5	115.9	21,100	45.1	112.3	21,400	135
140	38.8	111.4	19,300	40.7	109.6	19,700				140
145	35.9	104.5	18,000	37.8	102.6	18,300				145
150	32.8	96.8	16,800	34.7	94.7	17,100				150
155	29.4	88.0	15,600							155
160	25.6	77.8	14,600							160
165	21.1	65.4	13,600							165

# MLC250 S-1

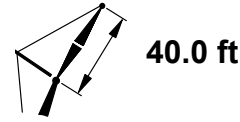
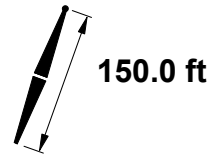
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.1	184.7	53,700							40
45	78.5	183.6	52,700	80.7	182.5	48,200				45
50	76.8	182.4	51,700	79.0	181.2	47,600				50
55	75.2	181.0	50,600	77.4	179.9	47,000	79.6	177.4	39,000	55
60	73.5	179.5	49,800	75.7	178.3	46,400	77.9	175.9	37,600	60
65	71.8	177.8	48,900	74.0	176.6	45,800	76.2	174.1	36,300	65
70	70.1	176.0	48,100	72.3	174.8	45,300	74.4	172.3	35,100	70
75	68.4	173.9	47,300	70.6	172.7	44,700	72.7	170.2	33,900	75
80	66.7	171.7	46,500	68.8	170.5	44,300	70.9	167.9	32,900	80
85	64.9	169.3	44,100	67.0	168.1	43,800	69.1	165.5	31,900	85
90	63.1	166.8	40,400	65.2	165.5	41,400	67.3	162.8	31,100	90
95	61.3	164.0	37,200	63.4	162.7	38,100	65.4	160.0	30,200	95
100	59.4	161.0	34,200	61.5	159.7	35,100	63.5	156.9	29,500	100
105	57.6	157.8	31,600	59.6	156.4	32,400	61.5	153.6	28,700	105
110	55.6	154.3	29,300	57.7	152.9	30,000	59.5	150.0	28,100	110
115	53.6	150.6	27,200	55.7	149.2	27,800	57.5	146.2	27,400	115
120	51.6	146.6	25,200	53.6	145.1	25,800	55.4	142.0	26,400	120
125	49.5	142.2	23,500	51.5	140.8	24,000	53.2	137.6	24,500	125
130	47.3	137.6	21,800	49.3	136.1	22,300	51.0	132.8	22,800	130
135	45.1	132.6	20,300	47.0	131.0	20,800	48.6	127.5	21,200	135
140	42.7	127.1	18,900	44.6	125.4	19,400	46.2	121.8	19,700	140
145	40.2	121.2	17,700	42.1	119.4	18,000	43.6	115.6	18,300	145
150	37.6	114.7	16,400	39.4	112.8	16,800				150
155	34.8	107.5	15,300	36.6	105.5	15,600				155
160	31.8	99.5	14,300	33.5	97.3	14,500				160
165	28.5	90.5	13,300							165
170	24.8	79.9	12,300							170

# MLC250 S-1

ASME B30.5

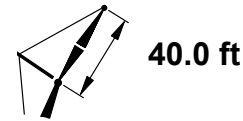
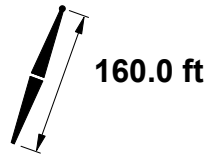


	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.6	194.8	53,700							40
45	79.1	193.8	52,800							45
50	77.5	192.7	51,800	79.6	191.5	47,600				50
55	76.0	191.4	50,900	78.1	190.2	47,000	80.2	187.8	39,600	55
60	74.4	190.0	50,000	76.5	188.8	46,500	78.6	186.3	38,200	60
65	72.8	188.4	49,200	74.9	187.2	46,000	77.0	184.7	36,900	65
70	71.2	186.6	48,400	73.3	185.4	45,500	75.3	182.9	35,700	70
75	69.6	184.7	47,600	71.7	183.5	45,000	73.7	181.0	34,600	75
80	68.0	182.7	47,000	70.0	181.4	44,500	72.0	178.9	33,500	80
85	66.3	180.4	43,600	68.4	179.2	44,100	70.3	176.6	32,600	85
90	64.7	178.0	39,900	66.7	176.8	40,900	68.6	174.1	31,700	90
95	63.0	175.4	36,600	65.0	174.2	37,600	66.9	171.4	30,900	95
100	61.2	172.6	33,700	63.2	171.3	34,600	65.1	168.6	30,100	100
105	59.5	169.6	31,100	61.4	168.3	31,900	63.3	165.5	29,400	105
110	57.7	166.4	28,700	59.6	165.1	29,500	61.5	162.2	28,700	110
115	55.9	163.0	26,600	57.8	161.6	27,300	59.6	158.7	28,000	115
120	54.0	159.3	24,600	55.9	157.9	25,300	57.6	154.9	25,900	120
125	52.1	155.4	22,900	54.0	153.9	23,500	55.7	150.8	24,000	125
130	50.1	151.2	21,200	52.0	149.7	21,800	53.6	146.5	22,300	130
135	48.1	146.6	19,700	49.9	145.1	20,300	51.5	141.8	20,700	135
140	45.9	141.8	18,300	47.8	140.2	18,800	49.3	136.7	19,200	140
145	43.8	136.5	17,100	45.6	134.9	17,500	47.1	131.3	17,900	145
150	41.5	130.8	15,900	43.3	129.1	16,300	44.7	125.3	16,600	150
155	39.1	124.7	14,700	40.8	122.8	15,100				155
160	36.5	117.9	13,700	38.2	116.0	14,000				160
165	33.8	110.5	12,700	35.5	108.4	13,000				165
170	30.9	102.2	11,800	32.5	99.9	12,000				170
175	27.7	92.8	10,900							175
180	24.1	82.0	10,000							180



# MLC250 S-1

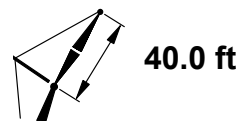
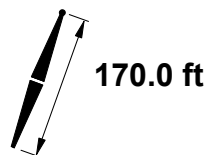
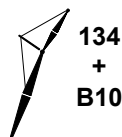
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.6	204.1	52,800							45
50	78.2	203.0	51,900	80.2	201.8	47,700				50
55	76.7	201.7	51,100	78.7	200.6	47,100	80.7	198.1	40,000	55
60	75.2	200.4	50,200	77.2	199.2	46,600	79.2	196.7	38,700	60
65	73.7	198.9	49,500	75.7	197.7	46,100	77.7	195.2	37,400	65
70	72.2	197.2	48,700	74.2	196.0	45,600	76.1	193.5	36,200	70
75	70.7	195.4	48,000	72.6	194.2	45,100	74.6	191.7	35,100	75
80	69.2	193.5	47,300	71.1	192.3	44,700	73.0	189.7	34,100	80
85	67.6	191.4	43,200	69.5	190.2	44,300	71.4	187.5	33,200	85
90	66.0	189.1	39,500	67.9	187.9	40,600	69.8	185.2	32,300	90
95	64.4	186.7	36,200	66.3	185.4	37,200	68.2	182.7	31,500	95
100	62.8	184.1	33,300	64.7	182.8	34,200	66.5	180.0	30,700	100
105	61.2	181.3	30,700	63.1	180.0	31,600	64.8	177.2	30,000	105
110	59.5	178.3	28,300	61.4	177.0	29,100	63.1	174.1	29,300	110
115	57.8	175.1	26,200	59.7	173.8	27,000	61.4	170.9	27,700	115
120	56.1	171.7	24,200	57.9	170.3	25,000	59.6	167.4	25,600	120
125	54.3	168.1	22,500	56.1	166.7	23,100	57.8	163.6	23,700	125
130	52.5	164.2	20,800	54.3	162.7	21,500	55.9	159.6	22,000	130
135	50.6	160.1	19,300	52.4	158.6	19,900	54.0	155.4	20,400	135
140	48.7	155.6	18,000	50.5	154.1	18,500	52.0	150.8	18,900	140
145	46.7	150.9	16,700	48.5	149.3	17,200	50.0	145.9	17,600	145
150	44.7	145.8	15,500	46.4	144.2	15,900	47.9	140.6	16,300	150
155	42.6	140.3	14,400	44.3	138.6	14,800	45.6	134.9	15,100	155
160	40.4	134.4	13,300	42.0	132.6	13,700	43.3	128.8	14,000	160
165	38.0	128.0	12,300	39.7	126.1	12,700				165
170	35.6	121.1	11,400	37.2	119.0	11,700				170
175	32.9	113.4	10,500	34.5	111.2	10,800				175
180	30.1	104.8	9,700	31.6	102.5	9,900				180
185	27.0	95.2	8,900							185
190	23.5	83.9	8,200							190

# MLC250 S-1

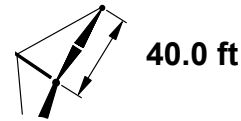
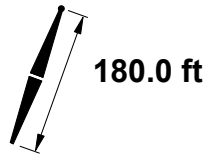
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.1	214.3	52,800							45
50	78.8	213.2	51,900	80.7	212.0	47,700				50
55	77.4	212.1	51,100	79.2	210.9	47,200				55
60	75.9	210.8	50,300	77.8	209.6	46,700	79.7	207.0	39,100	60
65	74.5	209.3	49,600	76.4	208.1	46,200	78.3	205.6	37,900	65
70	73.1	207.8	48,900	75.0	206.6	45,700	76.8	204.0	36,800	70
75	71.7	206.1	48,200	73.5	204.9	45,300	75.4	202.3	35,700	75
80	70.2	204.2	47,000	72.0	203.0	44,900	73.9	200.4	34,700	80
85	68.7	202.3	42,800	70.6	201.0	44,000	72.4	198.4	33,800	85
90	67.2	200.1	39,000	69.1	198.9	40,200	70.9	196.2	32,900	90
95	65.7	197.8	35,700	67.6	196.6	36,800	69.3	193.9	32,100	95
100	64.2	195.4	32,800	66.0	194.1	33,800	67.8	191.3	31,300	100
105	62.7	192.7	30,200	64.5	191.4	31,200	66.2	188.7	30,600	105
110	61.1	189.9	27,900	62.9	188.6	28,700	64.6	185.8	29,600	110
115	59.5	187.0	25,700	61.3	185.6	26,500	63.0	182.7	27,300	115
120	57.9	183.8	23,800	59.7	182.4	24,500	61.3	179.5	25,300	120
125	56.3	180.4	22,000	58.0	179.0	22,700	59.6	176.0	23,400	125
130	54.6	176.8	20,400	56.3	175.4	21,000	57.9	172.3	21,600	130
135	52.9	173.0	18,900	54.6	171.5	19,500	56.1	168.4	20,000	135
140	51.1	168.9	17,500	52.8	167.4	18,100	54.3	164.2	18,600	140
145	49.3	164.6	16,200	51.0	163.0	16,700	52.5	159.7	17,200	145
150	47.4	160.0	15,000	49.1	158.4	15,500	50.5	155.0	15,900	150
155	45.5	155.0	13,900	47.2	153.4	14,300	48.5	149.9	14,700	155
160	43.5	149.7	12,800	45.2	148.0	13,300	46.5	144.4	13,600	160
165	41.5	144.1	11,900	43.1	142.3	12,200	44.3	138.5	12,500	165
170	39.3	137.9	10,900	40.9	136.1	11,300				170
175	37.0	131.3	10,100	38.6	129.4	10,400				175
180	34.7	124.1	9,300	36.1	122.0	9,500				180
185	32.1	116.2	8,500	33.5	113.9	8,700				185
190	29.3	107.4	7,700							190
195	26.3	97.4	7,000							195
200	22.9	85.9	6,400							200

# MLC250 S-1

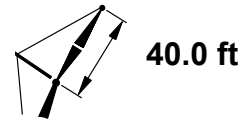
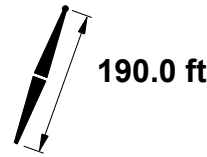
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.6	224.4	52,700							45
50	79.3	223.4	51,900							50
55	77.9	222.3	51,100	79.7	221.1	47,100				55
60	76.6	221.1	50,400	78.4	219.9	46,700	80.2	217.4	39,600	60
65	75.2	219.8	49,700	77.0	218.5	46,200	78.8	216.0	38,400	65
70	73.9	218.3	49,000	75.7	217.1	45,700	77.5	214.5	37,200	70
75	72.5	216.7	48,300	74.3	215.4	45,300	76.1	212.8	36,200	75
80	71.1	214.9	46,600	72.9	213.7	45,000	74.7	211.1	35,200	80
85	69.7	213.0	42,400	71.5	211.8	43,700	73.2	209.1	34,300	85
90	68.3	211.0	38,600	70.1	209.7	39,900	71.8	207.1	33,400	90
95	66.9	208.8	35,400	68.7	207.6	36,500	70.4	204.9	32,600	95
100	65.5	206.5	32,400	67.2	205.2	33,500	68.9	202.5	31,800	100
105	64.0	204.0	29,800	65.8	202.7	30,800	67.4	200.0	31,100	105
110	62.6	201.4	27,500	64.3	200.1	28,400	65.9	197.3	29,300	110
115	61.1	198.6	25,300	62.8	197.3	26,200	64.4	194.4	27,000	115
120	59.6	195.6	23,400	61.2	194.3	24,200	62.8	191.4	24,900	120
125	58.0	192.5	21,600	59.7	191.1	22,300	61.2	188.1	23,000	125
130	56.4	189.1	20,000	58.1	187.7	20,700	59.6	184.7	21,300	130
135	54.8	185.6	18,500	56.5	184.1	19,100	58.0	181.0	19,700	135
140	53.2	181.8	17,100	54.9	180.3	17,700	56.3	177.2	18,200	140
145	51.5	177.8	15,800	53.2	176.3	16,400	54.6	173.1	16,900	145
150	49.8	173.5	14,600	51.4	172.0	15,100	52.8	168.7	15,600	150
155	48.1	169.0	13,500	49.7	167.4	14,000	51.0	164.0	14,400	155
160	46.3	164.2	12,400	47.8	162.5	12,900	49.2	159.0	13,300	160
165	44.4	159.1	11,500	46.0	157.4	11,900	47.2	153.7	12,200	165
170	42.5	153.6	10,500	44.0	151.8	10,900	45.2	148.0	11,200	170
175	40.5	147.7	9,700	42.0	145.9	10,000	43.1	141.9	10,300	175
180	38.4	141.4	8,900	39.8	139.4	9,200				180
185	36.1	134.5	8,100	37.6	132.5	8,400				185
190	33.8	127.1	7,400	35.2	124.9	7,600				190
195	31.3	118.9	6,700	32.7	116.6	6,900				195
200	28.6	109.8	6,000							200
205	25.6	99.6	5,400							205
210	22.3	87.8	4,700							210

# MLC250 S-1

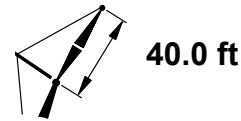
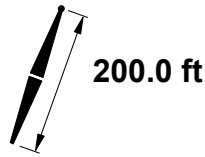
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
45	81.0	234.6	52,600							45
50	79.7	233.6	51,900							50
55	78.5	232.6	51,100	80.2	231.4	47,100				55
60	77.2	231.4	50,400	78.9	230.2	46,600	80.7	227.7	40,000	60
65	75.9	230.1	49,700	77.6	228.9	46,200	79.3	226.3	38,800	65
70	74.6	228.7	49,000	76.3	227.5	45,800	78.0	224.9	37,700	70
75	73.3	227.2	48,400	75.0	225.9	45,400	76.7	223.3	36,700	75
80	72.0	225.5	46,100	73.7	224.3	45,000	75.4	221.6	35,700	80
85	70.7	223.7	41,800	72.4	222.5	43,200	74.0	219.8	34,800	85
90	69.3	221.8	38,100	71.0	220.5	39,400	72.7	217.9	33,900	90
95	68.0	219.7	34,800	69.7	218.5	36,000	71.3	215.8	33,100	95
100	66.6	217.5	31,900	68.3	216.3	33,000	69.9	213.5	32,400	100
105	65.3	215.2	29,300	66.9	213.9	30,300	68.5	211.1	31,300	105
110	63.9	212.7	26,900	65.5	211.4	27,900	67.1	208.6	28,800	110
115	62.4	210.1	24,800	64.1	208.7	25,700	65.6	205.9	26,500	115
120	61.0	207.3	22,800	62.7	205.9	23,700	64.2	203.0	24,500	120
125	59.6	204.3	21,000	61.2	202.9	21,800	62.7	200.0	22,600	125
130	58.1	201.1	19,400	59.7	199.7	20,100	61.2	196.8	20,800	130
135	56.6	197.8	17,900	58.2	196.4	18,600	59.7	193.4	19,200	135
140	55.1	194.3	16,500	56.7	192.8	17,200	58.1	189.8	17,800	140
145	53.5	190.6	15,200	55.1	189.1	15,800	56.5	185.9	16,400	145
150	51.9	186.6	14,000	53.5	185.1	14,600	54.9	181.9	15,100	150
155	50.3	182.4	12,900	51.9	180.9	13,400	53.2	177.6	13,900	155
160	48.6	178.0	11,900	50.2	176.4	12,400	51.5	173.0	12,800	160
165	46.9	173.3	10,900	48.4	171.7	11,300	49.7	168.2	11,700	165
170	45.2	168.3	10,000	46.7	166.6	10,400	47.9	163.0	10,800	170
175	43.4	163.0	9,100	44.8	161.2	9,500	46.0	157.5	9,800	175
180	41.5	157.3	8,300	42.9	155.5	8,600	44.1	151.6	8,900	180
185	39.5	151.2	7,500	40.9	149.3	7,800				185
190	37.5	144.7	6,800	38.9	142.7	7,100				190
195	35.3	137.6	6,100	36.7	135.5	6,400				195
200	33.0	130.0	5,400	34.3	127.8	5,700				200
205	30.6	121.6	4,800	31.9	119.2	5,000				205
210	28.0	112.3	4,200							210

# MLC250 S-1

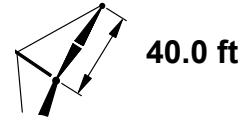
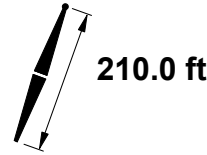
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.2	243.8	51,700							50
55	79.0	242.8	51,000	80.6	241.6	47,000				55
60	77.7	241.7	50,300	79.4	240.5	46,600				60
65	76.5	240.5	49,600	78.2	239.2	46,100	79.8	236.7	39,200	65
70	75.3	239.1	49,000	76.9	237.9	45,700	78.6	235.3	38,100	70
75	74.0	237.7	48,400	75.7	236.4	45,300	77.3	233.8	37,100	75
80	72.8	236.1	45,700	74.4	234.8	45,000	76.0	232.2	36,200	80
85	71.5	234.4	41,400	73.1	233.1	42,900	74.7	230.4	35,300	85
90	70.2	232.5	37,700	71.9	231.3	39,000	73.4	228.6	34,400	90
95	69.0	230.6	34,400	70.6	229.3	35,600	72.1	226.6	33,600	95
100	67.7	228.5	31,500	69.3	227.2	32,600	70.8	224.5	32,900	100
105	66.4	226.3	28,800	68.0	225.0	29,900	69.5	222.2	31,000	105
110	65.0	223.9	26,500	66.6	222.6	27,500	68.1	219.8	28,500	110
115	63.7	221.4	24,300	65.3	220.1	25,300	66.8	217.2	26,200	115
120	62.3	218.7	22,400	63.9	217.4	23,300	65.4	214.5	24,100	120
125	61.0	215.9	20,600	62.5	214.6	21,400	64.0	211.7	22,200	125
130	59.6	213.0	19,000	61.1	211.6	19,800	62.6	208.6	20,500	130
135	58.2	209.8	17,500	59.7	208.4	18,200	61.1	205.4	18,900	135
140	56.7	206.5	16,100	58.3	205.1	16,800	59.7	202.0	17,400	140
145	55.3	203.0	14,800	56.8	201.6	15,400	58.2	198.4	16,000	145
150	53.8	199.3	13,600	55.3	197.8	14,200	56.7	194.7	14,800	150
155	52.3	195.4	12,500	53.8	193.9	13,000	55.1	190.7	13,600	155
160	50.7	191.3	11,400	52.2	189.7	12,000	53.5	186.4	12,400	160
165	49.2	186.9	10,500	50.6	185.4	11,000	51.9	182.0	11,400	165
170	47.5	182.3	9,500	49.0	180.7	10,000	50.2	177.2	10,400	170
175	45.9	177.5	8,700	47.3	175.8	9,100	48.5	172.2	9,500	175
180	44.2	172.3	7,900	45.6	170.6	8,300	46.7	166.9	8,600	180
185	42.4	166.8	7,100	43.8	165.0	7,500	44.9	161.2	7,800	185
190	40.5	160.9	6,400	41.9	159.1	6,700	43.0	155.1	7,000	190
195	38.6	154.7	5,700	40.0	152.7	6,000				195
200	36.6	147.9	5,000	37.9	145.9	5,300				200
205	34.5	140.7	4,400	35.8	138.5	4,600				205
210				33.5	130.5	4,000				210

# MLC250 S-1

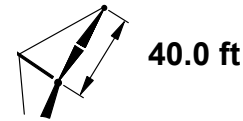
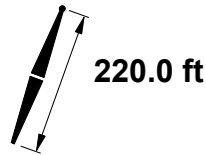
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
50	80.6	254.0	51,400							50
55	79.4	253.0	50,800							55
60	78.2	252.0	50,100							60
65	77.1	250.8	49,600				80.2	247.0	39,600	65
70	75.9	249.5	48,900				79.0	245.6	38,500	70
75	74.7	248.1	48,400	76.3	246.8	45,300	77.8	244.2	37,500	75
80	73.5	246.6	45,300	75.1	245.3	45,000	76.6	242.7	36,600	80
85	72.3	244.9	41,000	73.8	243.7	42,500	75.4	241.0	35,700	85
90	71.1	243.2	37,200	72.6	241.9	38,600	74.1	239.2	34,900	90
95	69.8	241.3	33,900	71.4	240.0	35,200	72.9	237.3	34,100	95
100	68.6	239.3	31,000	70.2	238.0	32,200	71.6	235.3	33,300	100
105	67.4	237.2	28,400	68.9	235.9	29,500	70.4	233.2	30,600	105
110	66.1	235.0	26,000	67.6	233.7	27,100	69.1	230.9	28,100	110
115	64.8	232.6	23,900	66.4	231.3	24,800	67.8	228.4	25,800	115
120	63.6	230.1	21,900	65.1	228.7	22,800	66.5	225.9	23,700	120
125	62.3	227.4	20,100	63.8	226.0	21,000	65.2	223.2	21,800	125
130	60.9	224.6	18,500	62.4	223.2	19,300	63.8	220.3	20,100	130
135	59.6	221.6	17,000	61.1	220.2	17,800	62.5	217.3	18,500	135
140	58.3	218.5	15,600	59.7	217.1	16,300	61.1	214.1	17,000	140
145	56.9	215.2	14,300	58.3	213.8	15,000	59.7	210.7	15,600	145
150	55.5	211.7	13,100	56.9	210.3	13,700	58.3	207.1	14,300	150
155	54.1	208.1	12,000	55.5	206.6	12,600	56.8	203.4	13,100	155
160	52.6	204.2	10,900	54.1	202.7	11,500	55.3	199.5	12,000	160
165	51.1	200.2	10,000	52.6	198.6	10,500	53.8	195.3	11,000	165
170	49.6	195.9	9,000	51.0	194.3	9,500	52.3	190.9	10,000	170
175	48.1	191.4	8,200	49.5	189.7	8,700	50.7	186.3	9,100	175
180	46.5	186.6	7,400	47.9	184.9	7,800	49.0	181.3	8,200	180
185	44.9	181.5	6,600	46.2	179.8	7,000	47.4	176.1	7,300	185
190	43.2	176.2	5,900	44.5	174.4	6,200	45.6	170.6	6,600	190
195	41.5	170.5	5,200	42.8	168.7	5,500	43.8	164.7	5,800	195
200	39.7	164.5	4,500	41.0	162.6	4,800				200
205				39.1	156.0	4,200				205

# MLC250 S-1

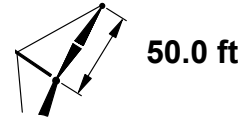
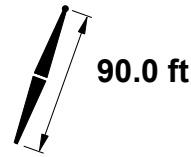
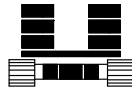
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.9	264.2	51,200							50
55	79.8	263.2	50,500							55
60	78.7	262.2	49,900	80.2	261.0	46,200				60
65	77.6	261.1	49,300	79.1	259.8	45,900	80.6	257.2	40,000	65
70	76.4	259.8	48,800	78.0	258.6	45,500	79.5	256.0	38,900	70
75	75.3	258.5	48,200	76.8	257.2	45,200	78.3	254.6	37,900	75
80	74.1	257.0	44,800	75.7	255.8	44,900	77.1	253.1	37,000	80
85	73.0	255.5	40,600	74.5	254.2	42,100	76.0	251.5	36,100	85
90	71.8	253.8	36,800	73.3	252.5	38,300	74.8	249.8	35,300	90
95	70.7	252.0	33,500	72.1	250.7	34,900	73.6	248.0	34,500	95
100	69.5	250.1	30,600	71.0	248.8	31,800	72.4	246.1	33,100	100
105	68.3	248.1	27,900	69.8	246.8	29,100	71.2	244.0	30,300	105
110	67.1	245.9	25,600	68.6	244.6	26,700	70.0	241.8	27,700	110
115	65.9	243.7	23,400	67.3	242.3	24,500	68.7	239.5	25,500	115
120	64.7	241.3	21,500	66.1	239.9	22,400	67.5	237.1	23,400	120
125	63.4	238.7	19,700	64.9	237.4	20,600	66.2	234.5	21,500	125
130	62.2	236.1	18,100	63.6	234.7	18,900	65.0	231.8	19,700	130
135	60.9	233.2	16,500	62.3	231.9	17,400	63.7	228.9	18,100	135
140	59.6	230.3	15,200	61.1	228.9	15,900	62.4	225.9	16,600	140
145	58.3	227.2	13,900	59.7	225.7	14,600	61.0	222.7	15,300	145
150	57.0	223.9	12,700	58.4	222.4	13,300	59.7	219.4	14,000	150
155	55.7	220.4	11,500	57.1	219.0	12,200	58.3	215.8	12,800	155
160	54.3	216.8	10,500	55.7	215.3	11,100	56.9	212.1	11,700	160
165	52.9	213.0	9,500	54.3	211.5	10,100	55.5	208.2	10,600	165
170	51.5	209.0	8,600	52.9	207.4	9,100	54.1	204.1	9,600	170
175	50.1	204.8	7,700	51.4	203.2	8,200	52.6	199.8	8,700	175
180	48.6	200.3	6,900	49.9	198.7	7,400	51.1	195.3	7,800	180
185	47.1	195.7	6,200	48.4	194.0	6,600	49.5	190.4	7,000	185
190	45.5	190.7	5,400	46.9	189.0	5,800	47.9	185.4	6,200	190
195	43.9	185.5	4,700	45.2	183.8	5,100	46.3	180.0	5,400	195
200	42.3	180.0	4,100	43.6	178.2	4,400	44.6	174.3	4,700	200
205							42.8	168.2	4,100	205

# MLC250 S-1

ASME B30.5

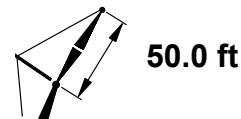
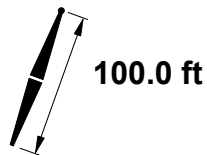


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	79.7	144.9	45,400							35
40	77.6	143.7	44,100							40
45	75.4	142.3	42,900	79.0	141.1	39,800				45
50	73.3	140.7	41,700	76.8	139.5	38,900	80.5	136.9	32,500	50
55	71.1	138.9	40,700	74.6	137.7	38,000	78.3	135.1	30,700	55
60	68.9	136.8	39,700	72.4	135.6	37,000	76.0	133.0	29,200	60
65	66.6	134.6	38,700	70.2	133.4	36,200	73.7	130.7	27,800	65
70	64.4	132.1	37,700	67.8	130.8	35,100	71.3	128.1	26,600	70
75	62.0	129.3	36,700	65.5	128.0	33,200	68.9	125.2	25,500	75
80	59.6	126.3	35,800	63.1	125.0	31,500	66.4	122.1	24,400	80
85	57.2	123.0	34,900	60.6	121.6	30,100	63.9	118.6	23,500	85
90	54.6	119.3	34,100	58.0	117.9	28,700	61.2	114.8	22,700	90
95	52.0	115.3	33,300	55.3	113.9	27,400	58.5	110.7	21,900	95
100	49.3	110.9	31,600	52.6	109.4	26,300	55.6	106.0	21,200	100
105	46.4	106.1	30,000	49.7	104.5	25,300	52.6	100.9	20,600	105
110	43.4	100.7	28,700	46.6	99.0	24,400	49.4	95.2	20,000	110
115	40.2	94.7	27,500	43.3	92.8	23,600	46.0	88.8	19,500	115
120	36.8	87.9	26,300	39.8	85.9	22,800				120
125	33.0	80.2	25,300	35.9	77.9	22,200				125
130	28.7	71.1	24,300	31.5	68.5	21,500				130
135	23.7	59.9	23,200							135



# MLC250 S-1

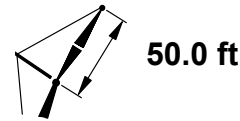
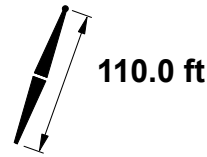
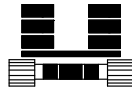
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.4	155.1	45,700							35
40	78.4	154.0	44,500							40
45	76.4	152.7	43,300	79.8	151.5	40,100				45
50	74.4	151.2	42,300	77.8	150.0	39,300				50
55	72.4	149.5	41,200	75.7	148.3	38,300	79.1	145.6	31,400	55
60	70.4	147.7	40,200	73.7	146.4	37,500	77.0	143.7	29,900	60
65	68.3	145.6	39,400	71.6	144.3	36,700	74.9	141.6	28,500	65
70	66.2	143.3	38,400	69.5	142.0	36,000	72.7	139.2	27,300	70
75	64.1	140.8	37,500	67.3	139.4	34,600	70.5	136.6	26,200	75
80	61.9	138.0	36,600	65.1	136.7	32,900	68.3	133.7	25,200	80
85	59.7	135.0	35,700	62.8	133.6	31,400	65.9	130.6	24,300	85
90	57.4	131.7	34,900	60.5	130.3	30,000	63.6	127.2	23,500	90
95	55.0	128.1	34,200	58.1	126.6	28,800	61.1	123.5	22,700	95
100	52.6	124.2	33,500	55.7	122.7	27,600	58.6	119.4	22,000	100
105	50.1	119.9	32,000	53.1	118.3	26,600	56.0	114.9	21,300	105
110	47.4	115.2	30,500	50.5	113.6	25,600	53.2	110.0	20,700	110
115	44.7	110.0	29,200	47.7	108.3	24,700	50.3	104.6	20,200	115
120	41.8	104.4	27,500	44.7	102.5	23,900	47.3	98.5	19,700	120
125	38.7	98.1	25,800	41.6	96.1	23,100	44.0	91.8	19,300	125
130	35.4	91.0	24,100	38.2	88.8	22,500				130
135	31.8	82.9	22,600	34.5	80.5	21,900				135
140	27.7	73.4	21,200							140
145	22.9	61.8	19,900							145

# MLC250 S-1

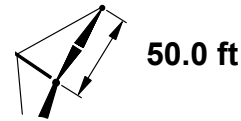
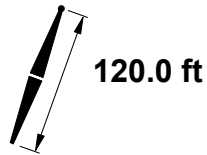
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	81.0	165.3	45,900							35
40	79.1	164.2	44,700							40
45	77.3	163.0	43,700	80.4	161.8	40,300				45
50	75.4	161.6	42,600	78.6	160.4	39,600				50
55	73.6	160.1	41,700	76.7	158.8	38,700	79.8	156.1	31,900	55
60	71.7	158.3	40,800	74.8	157.1	37,900	77.9	154.3	30,500	60
65	69.7	156.4	39,800	72.8	155.1	37,100	75.9	152.3	29,200	65
70	67.8	154.3	39,000	70.9	153.0	36,400	73.9	150.1	28,000	70
75	65.8	152.0	38,200	68.9	150.6	35,700	71.9	147.8	26,900	75
80	63.8	149.4	37,300	66.8	148.1	34,200	69.8	145.1	25,900	80
85	61.8	146.7	36,400	64.8	145.3	32,700	67.7	142.3	25,000	85
90	59.7	143.6	35,700	62.7	142.2	31,200	65.5	139.2	24,100	90
95	57.5	140.4	35,000	60.5	138.9	30,000	63.3	135.8	23,300	95
100	55.3	136.8	34,200	58.3	135.3	28,800	61.0	132.1	22,600	100
105	53.1	133.0	33,400	56.0	131.4	27,700	58.7	128.1	22,000	105
110	50.7	128.8	31,000	53.6	127.2	26,700	56.3	123.7	21,400	110
115	48.3	124.3	28,900	51.2	122.6	25,900	53.7	119.0	20,800	115
120	45.8	119.3	26,900	48.6	117.6	25,000	51.1	113.8	20,400	120
125	43.2	113.9	25,200	45.9	112.1	24,200	48.3	108.1	19,900	125
130	40.4	107.9	23,500	43.1	106.0	23,500	45.3	101.7	19,400	130
135	37.4	101.3	22,000	40.0	99.2	22,500				135
140	34.2	93.9	20,600	36.8	91.6	21,000				140
145	30.7	85.5	19,300	33.1	83.0	19,600				145
150	26.7	75.6	18,100							150
155	22.1	63.6	16,900							155

# MLC250 S-1

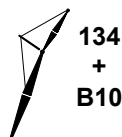
ASME B30.5



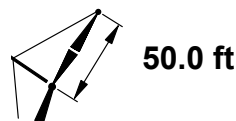
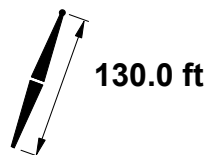
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.8	174.5	45,000							40
45	78.1	173.3	43,900	81.0	172.1	40,400				45
50	76.3	172.0	42,900	79.3	170.8	39,700				50
55	74.6	170.6	42,000	77.5	169.3	39,000	80.5	166.5	32,500	55
60	72.8	168.9	41,100	75.7	167.6	38,200	78.7	164.8	31,000	60
65	71.0	167.1	40,300	73.9	165.8	37,500	76.8	163.0	29,700	65
70	69.2	165.2	39,500	72.1	163.8	36,800	75.0	161.0	28,600	70
75	67.4	163.0	38,800	70.2	161.7	36,100	73.1	158.7	27,500	75
80	65.5	160.6	37,900	68.3	159.3	35,500	71.2	156.3	26,500	80
85	63.6	158.1	37,100	66.4	156.7	33,900	69.2	153.7	25,600	85
90	61.7	155.3	36,300	64.5	153.9	32,500	67.2	150.8	24,800	90
95	59.7	152.3	35,500	62.5	150.9	31,100	65.2	147.7	24,000	95
100	57.7	149.1	34,900	60.5	147.6	30,000	63.1	144.4	23,200	100
105	55.6	145.6	33,000	58.4	144.0	28,900	61.0	140.7	22,600	105
110	53.5	141.8	30,700	56.2	140.2	27,800	58.8	136.8	22,000	110
115	51.3	137.7	28,500	54.0	136.1	26,900	56.5	132.5	21,400	115
120	49.1	133.3	26,600	51.8	131.6	26,000	54.2	127.9	21,000	120
125	46.7	128.5	24,800	49.4	126.7	25,200	51.7	122.9	20,400	125
130	44.3	123.3	23,200	46.9	121.4	23,700	49.2	117.5	20,000	130
135	41.8	117.6	21,700	44.3	115.7	22,200	46.5	111.5	19,600	135
140	39.1	111.4	20,300	41.6	109.3	20,700	43.6	104.8	19,200	140
145	36.2	104.5	19,000	38.6	102.3	19,400				145
150	33.1	96.8	17,800	35.5	94.4	18,100				150
155	29.7	88.0	16,600	32.0	85.3	16,900				155
160	25.9	77.8	15,600							160
165	21.3	65.4	14,600							165

# MLC250 S-1

ASME B30.5



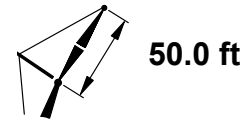
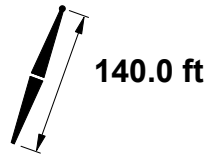
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.4	184.7	45,100							40
45	78.7	183.6	44,100							45
50	77.1	182.4	43,200	79.9	181.1	39,900				50
55	75.5	181.0	42,300	78.2	179.7	39,300				55
60	73.8	179.5	41,500	76.5	178.2	38,500	79.3	175.3	31,500	60
65	72.1	177.8	40,600	74.9	176.5	37,800	77.6	173.6	30,300	65
70	70.4	175.9	39,900	73.1	174.6	37,100	75.9	171.7	29,100	70
75	68.7	173.9	39,100	71.4	172.6	36,500	74.1	169.6	28,100	75
80	66.9	171.7	38,500	69.7	170.3	35,900	72.3	167.3	27,100	80
85	65.2	169.3	37,700	67.9	167.9	35,000	70.5	164.9	26,200	85
90	63.4	166.7	36,900	66.1	165.3	33,600	68.7	162.2	25,300	90
95	61.6	164.0	36,200	64.2	162.5	32,300	66.8	159.4	24,600	95
100	59.7	161.0	35,200	62.4	159.5	31,100	64.9	156.3	23,900	100
105	57.8	157.7	32,600	60.4	156.2	29,900	62.9	152.9	23,200	105
110	55.9	154.3	30,200	58.5	152.7	28,900	60.9	149.4	22,600	110
115	53.9	150.5	28,100	56.5	149.0	27,900	58.9	145.5	22,100	115
120	51.9	146.5	26,100	54.4	144.9	26,900	56.7	141.3	21,500	120
125	49.8	142.2	24,400	52.3	140.5	25,000	54.6	136.9	21,000	125
130	47.6	137.6	22,700	50.1	135.8	23,400	52.3	132.0	20,600	130
135	45.3	132.5	21,200	47.8	130.7	21,800	49.9	126.7	20,200	135
140	43.0	127.1	19,800	45.4	125.2	20,400	47.4	121.0	19,700	140
145	40.5	121.2	18,600	42.9	119.2	19,000	44.8	114.7	19,400	145
150	37.9	114.7	17,300	40.2	112.5	17,800				150
155	35.1	107.5	16,200	37.4	105.2	16,600				155
160	32.1	99.5	15,200	34.3	97.0	15,500				160
165	28.8	90.4	14,200							165
170	25.1	79.9	13,200							170

# MLC250 S-1

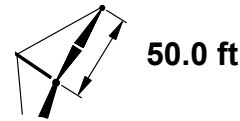
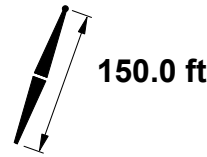
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.9	194.8	45,200							40
45	79.3	193.8	44,300							45
50	77.8	192.7	43,400	80.4	191.4	39,900				50
55	76.2	191.4	42,600	78.9	190.1	39,300				55
60	74.7	189.9	41,800	77.3	188.6	38,700	79.9	185.7	32,000	60
65	73.1	188.4	40,900	75.7	187.0	38,100	78.3	184.1	30,800	65
70	71.5	186.6	40,200	74.1	185.3	37,400	76.7	182.3	29,600	70
75	69.9	184.7	39,500	72.5	183.3	36,800	75.0	180.4	28,600	75
80	68.2	182.6	38,800	70.8	181.3	36,200	73.4	178.2	27,600	80
85	66.6	180.4	38,200	69.1	179.0	35,600	71.7	175.9	26,700	85
90	64.9	178.0	37,400	67.5	176.6	34,700	69.9	173.5	25,900	90
95	63.2	175.4	36,700	65.7	173.9	33,300	68.2	170.8	25,100	95
100	61.5	172.6	34,800	64.0	171.1	32,100	66.4	167.9	24,400	100
105	59.7	169.6	32,200	62.2	168.1	31,000	64.6	164.8	23,700	105
110	57.9	166.4	29,800	60.4	164.9	29,900	62.8	161.5	23,100	110
115	56.1	163.0	27,700	58.6	161.4	28,600	60.9	158.0	22,600	115
120	54.2	159.3	25,800	56.7	157.7	26,600	58.9	154.2	22,100	120
125	52.3	155.4	24,000	54.7	153.7	24,700	56.9	150.1	21,600	125
130	50.3	151.1	22,400	52.7	149.4	23,000	54.9	145.7	21,000	130
135	48.3	146.6	20,900	50.7	144.9	21,500	52.8	141.0	20,600	135
140	46.2	141.7	19,500	48.5	139.9	20,000	50.6	135.9	20,200	140
145	44.0	136.5	18,200	46.3	134.6	18,700	48.3	130.4	19,200	145
150	41.7	130.8	17,000	44.0	128.8	17,500	45.9	124.5	17,900	150
155	39.3	124.6	15,900	41.6	122.5	16,300	43.3	117.9	16,600	155
160	36.8	117.9	14,800	39.0	115.7	15,200				160
165	34.1	110.5	13,800	36.2	108.1	14,200				165
170	31.2	102.2	12,900	33.2	99.6	13,200				170
175	28.0	92.8	12,000							175
180	24.4	81.9	11,200							180

# MLC250 S-1

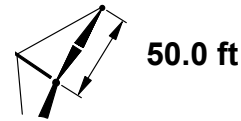
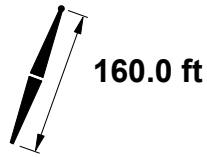
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
45	79.9	204.0	44,400							45
50	78.4	203.0	43,500							50
55	76.9	201.7	42,700							55
60	75.5	200.4	42,000							60
65	74.0	198.9	41,200							65
70	72.5	197.2	40,500	80.9	201.6	40,000				70
75	70.9	195.4	39,800	79.4	200.4	39,500				75
80	69.4	193.5	39,100	77.9	199.0	38,900	80.5	196.1	32,400	80
85	67.8	191.4	38,500	76.4	197.5	38,300	78.9	194.5	31,200	85
90	66.3	189.1	37,900	76.4	197.5	38,300	77.4	192.9	30,100	90
95	64.7	186.7	37,200	74.9	195.8	37,600	75.8	191.0	29,100	95
100	63.1	184.1	34,200	73.4	194.0	37,100	74.3	189.0	28,200	100
105	61.4	181.3	31,600	71.8	192.1	36,500	74.3	189.0	28,200	105
110	59.7	178.3	29,300	70.3	190.0	35,900	72.7	186.9	27,200	110
115	58.0	175.1	27,100	68.7	187.7	35,500	71.1	184.6	26,400	115
120	56.3	171.7	25,200	67.1	185.2	34,400	69.4	182.1	25,700	120
125	54.5	168.1	23,400	65.4	182.6	33,100	67.8	179.4	24,900	125
130	52.7	164.2	21,800	63.8	179.8	32,000	66.1	176.5	24,300	130
135	50.9	160.0	20,300	62.1	176.8	30,200	64.4	173.4	23,600	135
140	48.9	155.6	18,900	60.4	173.5	28,000	62.6	170.1	23,100	140
145	47.0	150.9	17,600	58.6	170.1	26,000	60.8	166.6	22,500	145
150	44.9	145.8	16,400	56.9	166.4	24,200	59.0	162.9	22,100	150
155	42.8	140.3	15,300	55.0	162.5	22,500	57.1	158.9	21,600	155
160	40.6	134.4	14,200	53.1	158.3	20,900	55.2	154.6	21,100	160
165	38.3	128.0	13,200	51.2	153.8	19,500	53.2	150.0	20,100	165
170	35.8	121.0	12,300	49.2	149.0	18,200	51.1	145.0	18,700	170
175	33.2	113.3	11,400	47.1	143.9	16,900	49.0	139.7	17,400	175
180	30.3	104.8	10,600	45.0	138.3	15,800	46.8	134.0	16,200	180
185	27.2	95.1	9,800	42.7	132.3	14,700	44.4	127.8	15,000	185
190	23.7	83.9	9,100	40.4	125.8	13,600				190

# MLC250 S-1

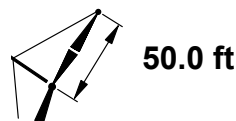
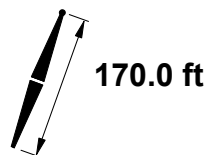
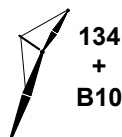
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.4	214.2	44,400							45
50	79.0	213.2	43,600							50
55	77.6	212.0	42,800	80.0	210.7	39,500				55
60	76.2	210.7	42,100	78.5	209.4	39,000	81.0	206.4	32,800	60
65	74.8	209.3	41,400	77.1	207.9	38,500	79.5	205.0	31,700	65
70	73.3	207.8	40,700	75.7	206.4	37,900	78.0	203.4	30,600	70
75	71.9	206.1	40,000	74.2	204.7	37,300	76.6	201.6	29,500	75
80	70.4	204.2	39,400	72.8	202.8	36,700	75.1	199.7	28,600	80
85	69.0	202.2	38,800	71.3	200.8	36,200	73.6	197.7	27,700	85
90	67.5	200.1	38,200	69.8	198.7	35,700	72.1	195.5	26,900	90
95	66.0	197.8	36,800	68.3	196.3	35,300	70.5	193.2	26,200	95
100	64.5	195.4	33,800	66.7	193.9	34,100	69.0	190.7	25,400	100
105	62.9	192.7	31,200	65.2	191.2	32,300	67.4	188.0	24,800	105
110	61.3	189.9	28,800	63.6	188.4	29,900	65.8	185.1	24,100	110
115	59.8	186.9	26,700	62.0	185.4	27,700	64.1	182.0	23,600	115
120	58.1	183.8	24,800	60.4	182.2	25,700	62.5	178.8	23,000	120
125	56.5	180.4	23,000	58.7	178.8	23,800	60.8	175.3	22,500	125
130	54.8	176.8	21,400	57.0	175.1	22,100	59.0	171.6	22,000	130
135	53.1	173.0	19,900	55.3	171.3	20,600	57.3	167.6	21,300	135
140	51.3	168.9	18,500	53.5	167.2	19,200	55.4	163.4	19,800	140
145	49.5	164.6	17,200	51.7	162.8	17,800	53.6	158.9	18,400	145
150	47.7	159.9	16,000	49.8	158.1	16,600	51.6	154.1	17,100	150
155	45.7	155.0	14,900	47.8	153.1	15,400	49.6	149.0	15,900	155
160	43.8	149.7	13,800	45.8	147.7	14,300	47.6	143.4	14,700	160
165	41.7	144.0	12,800	43.7	142.0	13,300	45.4	137.5	13,700	165
170	39.5	137.9	11,900	41.5	135.8	12,300	43.1	131.0	12,700	170
175	37.3	131.3	11,000	39.2	129.0	11,400				175
180	34.9	124.1	10,200	36.8	121.7	10,600				180
185	32.3	116.1	9,400	34.2	113.6	9,700				185
190	29.6	107.3	8,700	31.3	104.5	9,000				190
195	26.5	97.4	8,000							195
200	23.1	85.8	7,300							200

# MLC250 S-1

ASME B30.5

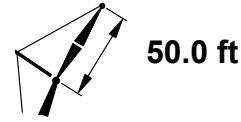
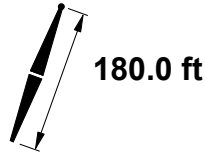
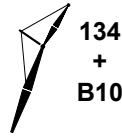


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.8	224.4	44,400							45
50	79.5	223.4	43,600							50
55	78.2	222.3	42,900	80.4	220.9	39,600				55
60	76.8	221.1	42,200	79.1	219.7	39,100				60
65	75.5	219.7	41,500	77.7	218.3	38,600	80.0	215.3	32,000	65
70	74.1	218.3	40,900	76.4	216.8	38,000	78.6	213.8	31,000	70
75	72.7	216.6	40,200	75.0	215.2	37,500	77.2	212.2	30,000	75
80	71.4	214.9	39,600	73.6	213.5	37,000	75.8	210.4	29,100	80
85	70.0	213.0	39,000	72.2	211.6	36,500	74.4	208.5	28,200	85
90	68.6	211.0	38,500	70.8	209.5	36,000	72.9	206.4	27,400	90
95	67.1	208.8	36,300	69.3	207.3	35,500	71.5	204.2	26,700	95
100	65.7	206.5	33,400	67.9	205.0	34,600	70.0	201.8	25,900	100
105	64.3	204.0	30,700	66.4	202.5	31,900	68.5	199.3	25,300	105
110	62.8	201.4	28,400	64.9	199.9	29,500	67.0	196.6	24,600	110
115	61.3	198.6	26,200	63.4	197.0	27,300	65.5	193.7	24,000	115
120	59.8	195.6	24,300	61.9	194.0	25,300	63.9	190.6	23,500	120
125	58.2	192.4	22,500	60.4	190.8	23,400	62.4	187.4	23,000	125
130	56.7	189.1	20,900	58.8	187.5	21,700	60.7	183.9	22,500	130
135	55.1	185.5	19,400	57.2	183.9	20,200	59.1	180.3	20,900	135
140	53.4	181.8	18,000	55.5	180.1	18,700	57.4	176.4	19,400	140
145	51.8	177.8	16,700	53.8	176.0	17,400	55.7	172.2	18,000	145
150	50.0	173.5	15,500	52.1	171.7	16,100	53.9	167.8	16,700	150
155	48.3	169.0	14,400	50.3	167.1	15,000	52.1	163.1	15,500	155
160	46.5	164.2	13,300	48.5	162.3	13,900	50.2	158.1	14,400	160
165	44.6	159.0	12,400	46.6	157.1	12,900	48.3	152.8	13,300	165
170	42.7	153.5	11,400	44.6	151.5	11,900	46.2	147.0	12,300	170
175	40.7	147.7	10,600	42.6	145.5	11,000	44.1	140.9	11,400	175
180	38.6	141.3	9,800	40.5	139.1	10,100				180
185	36.4	134.5	9,000	38.2	132.1	9,300				185
190	34.0	127.0	8,200	35.8	124.5	8,600				190
195	31.5	118.9	7,500	33.3	116.2	7,800				195
200	28.8	109.8	6,900							200
205	25.9	99.6	6,200							205
210	22.5	87.7	5,600							210



# MLC250 S-1

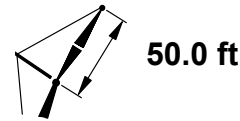
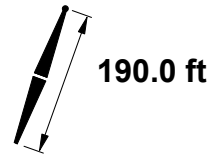
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.0	233.6	43,600							50
55	78.7	232.6	42,900							55
60	77.4	231.4	42,200							60
65	76.1	230.1	41,600							65
70	74.8	228.7	41,000				80.5	225.7	32,400	70
75	73.5	227.2	40,400	75.7	225.7	37,700	77.8	222.7	30,300	75
80	72.2	225.5	39,800	74.3	224.1	37,200	76.5	221.0	29,500	80
85	70.9	223.7	39,200	73.0	222.3	36,700	75.1	219.1	28,600	85
90	69.5	221.8	38,700	71.7	220.3	36,200	73.8	217.2	27,800	90
95	68.2	219.7	35,900	70.3	218.2	35,800	72.4	215.1	27,100	95
100	66.8	217.5	33,000	68.9	216.0	34,300	71.0	212.8	26,400	100
105	65.5	215.2	30,300	67.5	213.7	31,600	69.6	210.4	25,800	105
110	64.1	212.7	28,000	66.1	211.2	29,100	68.2	207.9	25,100	110
115	62.7	210.1	25,800	64.7	208.5	26,900	66.7	205.2	24,500	115
120	61.2	207.2	23,900	63.3	205.7	24,900	65.2	202.3	24,000	120
125	59.8	204.3	22,100	61.8	202.7	23,000	63.8	199.2	23,400	125
130	58.3	201.1	20,500	60.3	199.5	21,400	62.2	196.0	22,200	130
135	56.8	197.8	19,000	58.8	196.1	19,800	60.7	192.6	20,600	135
140	55.3	194.3	17,600	57.3	192.6	18,400	59.1	188.9	19,100	140
145	53.7	190.5	16,300	55.7	188.8	17,000	57.5	185.1	17,700	145
150	52.1	186.6	15,100	54.1	184.8	15,800	55.9	181.0	16,400	150
155	50.5	182.4	14,000	52.5	180.6	14,600	54.2	176.7	15,200	155
160	48.8	178.0	12,900	50.8	176.1	13,500	52.5	172.1	14,100	160
165	47.1	173.3	11,900	49.1	171.4	12,500	50.7	167.2	13,000	165
170	45.4	168.3	11,000	47.3	166.3	11,500	48.9	162.0	12,000	170
175	43.6	162.9	10,200	45.4	160.9	10,600	47.0	156.5	11,000	175
180	41.7	157.3	9,300	43.5	155.2	9,800	45.0	150.6	10,100	180
185	39.7	151.2	8,600	41.5	149.0	9,000	43.0	144.2	9,300	185
190	37.7	144.7	7,800	39.4	142.4	8,200				190
195	35.5	137.6	7,100	37.3	135.2	7,500				195
200	33.2	129.9	6,500	34.9	127.4	6,800				200
205	30.8	121.5	5,800	32.4	118.8	6,100				205
210	28.2	112.2	5,200							210
215	25.3	101.7	4,700							215
220	22.0	89.6	4,100							220

# MLC250 S-1

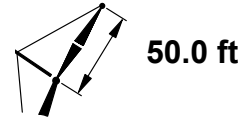
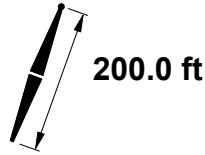
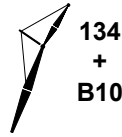
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
50	80.4	243.8	43,600							50
55	79.2	242.8	42,900							55
60	77.9	241.7	42,300	80.0	240.3	39,000				60
65	76.7	240.4	41,600	78.8	239.0	38,600	80.9	236.0	32,700	65
70	75.5	239.1	41,000	77.5	237.7	38,200	79.6	234.6	31,700	70
75	74.2	237.6	40,400	76.3	236.2	37,700	78.4	233.1	30,800	75
80	73.0	236.0	39,900	75.0	234.6	37,300	77.1	231.5	29,900	80
85	71.7	234.3	39,400	73.8	232.9	36,800	75.8	229.7	29,000	85
90	70.4	232.5	38,700	72.5	231.0	36,400	74.5	227.9	28,200	90
95	69.2	230.6	35,400	71.2	229.1	35,900	73.2	225.9	27,500	95
100	67.9	228.5	32,400	69.9	227.0	33,800	71.9	223.7	26,800	100
105	66.6	226.2	29,800	68.6	224.7	31,100	70.5	221.5	26,200	105
110	65.2	223.9	27,400	67.2	222.3	28,600	69.2	219.0	25,600	110
115	63.9	221.4	25,300	65.9	219.8	26,400	67.8	216.5	25,000	115
120	62.5	218.7	23,300	64.5	217.1	24,400	66.4	213.8	24,400	120
125	61.2	215.9	21,500	63.1	214.3	22,500	65.0	210.9	23,500	125
130	59.8	212.9	19,900	61.7	211.3	20,800	63.6	207.8	21,700	130
135	58.4	209.8	18,400	60.3	208.2	19,300	62.1	204.6	20,100	135
140	56.9	206.5	17,000	58.9	204.8	17,800	60.7	201.2	18,600	140
145	55.5	203.0	15,700	57.4	201.3	16,500	59.2	197.6	17,200	145
150	54.0	199.3	14,500	55.9	197.6	15,200	57.6	193.8	15,900	150
155	52.5	195.4	13,400	54.4	193.6	14,100	56.1	189.8	14,700	155
160	50.9	191.3	12,300	52.8	189.5	13,000	54.5	185.6	13,600	160
165	49.4	186.9	11,400	51.2	185.1	12,000	52.9	181.1	12,500	165
170	47.7	182.3	10,400	49.6	180.4	11,000	51.2	176.3	11,500	170
175	46.1	177.4	9,600	47.9	175.5	10,100	49.4	171.2	10,600	175
180	44.3	172.3	8,800	46.2	170.2	9,200	47.7	165.9	9,700	180
185	42.6	166.8	8,000	44.4	164.7	8,400	45.8	160.1	8,800	185
190	40.7	160.9	7,300	42.5	158.7	7,700	43.9	154.0	8,000	190
195	38.8	154.6	6,600	40.5	152.4	6,900				195
200	36.8	147.9	5,900	38.5	145.5	6,200				200
205	34.7	140.6	5,300	36.4	138.1	5,600				205
210	32.5	132.8	4,700	34.1	130.1	4,900				210
215	30.1	124.1	4,100	31.7	121.3	4,300				215

# MLC250 S-1

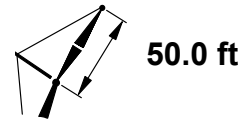
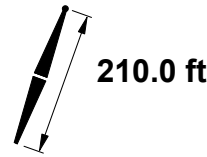
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.8	254.0	43,400							50
55	79.6	253.0	42,800							55
60	78.4	251.9	42,200	80.4	250.5	38,900				60
65	77.3	250.8	41,600	79.2	249.3	38,500				65
70	76.1	249.5	41,000	78.1	248.0	38,200	80.1	244.9	32,000	70
75	74.9	248.1	40,400	76.9	246.6	37,800	78.8	243.5	31,100	75
80	73.7	246.6	39,900	75.7	245.1	37,400	77.6	242.0	30,200	80
85	72.5	244.9	39,400	74.4	243.5	36,900	76.4	240.3	29,400	85
90	71.3	243.2	38,200	73.2	241.7	36,500	75.2	238.5	28,700	90
95	70.0	241.3	34,900	72.0	239.8	36,100	73.9	236.6	27,900	95
100	68.8	239.3	32,000	70.7	237.8	33,400	72.6	234.6	27,200	100
105	67.6	237.2	29,400	69.5	235.7	30,700	71.4	232.4	26,600	105
110	66.3	234.9	27,000	68.2	233.4	28,200	70.1	230.1	25,900	110
115	65.0	232.6	24,800	66.9	231.0	26,000	68.8	227.7	25,400	115
120	63.7	230.0	22,900	65.7	228.5	24,000	67.5	225.1	24,900	120
125	62.4	227.4	21,100	64.3	225.8	22,100	66.2	222.4	23,200	125
130	61.1	224.6	19,500	63.0	223.0	20,400	64.8	219.5	21,400	130
135	59.8	221.6	18,000	61.7	220.0	18,900	63.4	216.4	19,800	135
140	58.4	218.5	16,600	60.3	216.8	17,400	62.1	213.2	18,300	140
145	57.1	215.2	15,300	58.9	213.5	16,100	60.6	209.9	16,900	145
150	55.7	211.7	14,100	57.5	210.0	14,800	59.2	206.3	15,600	150
155	54.3	208.0	12,900	56.1	206.3	13,700	57.8	202.5	14,400	155
160	52.8	204.2	11,900	54.6	202.4	12,600	56.3	198.6	13,200	160
165	51.3	200.1	10,900	53.1	198.3	11,600	54.7	194.4	12,200	165
170	49.8	195.9	10,000	51.6	194.0	10,600	53.2	190.0	11,200	170
175	48.3	191.3	9,100	50.1	189.4	9,700	51.6	185.3	10,200	175
180	46.7	186.6	8,300	48.4	184.6	8,900	49.9	180.4	9,300	180
185	45.1	181.5	7,500	46.8	179.5	8,000	48.3	175.1	8,500	185
190	43.4	176.2	6,800	45.1	174.1	7,300	46.5	169.6	7,700	190
195	41.6	170.5	6,100	43.3	168.3	6,600	44.7	163.7	6,900	195
200	39.9	164.4	5,500	41.5	162.2	5,900	42.8	157.3	6,200	200
205	38.0	158.0	4,800	39.6	155.7	5,200				205
210	36.0	151.1	4,200	37.6	148.6	4,600				210
215				35.5	141.0	4,000				215

# MLC250 S-1

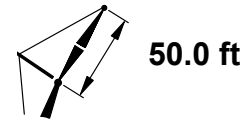
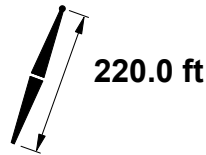
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
55	80.0	263.2	42,700							55
60	78.9	262.2	42,100							60
65	77.8	261.0	41,500							65
70	76.6	259.8	41,000				80.5	255.2	32,400	70
75	75.5	258.5	40,400				79.3	253.9	31,400	75
80	74.3	257.0	39,900	76.2	255.5	37,400	78.1	252.4	30,600	80
85	73.2	255.5	39,400	75.1	254.0	37,000	77.0	250.8	29,800	85
90	72.0	253.8	37,800	73.9	252.3	36,600	75.8	249.1	29,000	90
95	70.8	252.0	34,500	72.7	250.5	36,100	74.6	247.3	28,300	95
100	69.7	250.1	31,500	71.5	248.6	33,000	73.4	245.3	27,600	100
105	68.5	248.1	28,900	70.3	246.5	30,300	72.2	243.3	27,000	105
110	67.3	245.9	26,500	69.1	244.4	27,800	70.9	241.1	26,400	110
115	66.1	243.6	24,400	67.9	242.1	25,600	69.7	238.8	25,800	115
120	64.8	241.2	22,400	66.7	239.7	23,600	68.4	236.3	24,700	120
125	63.6	238.7	20,600	65.4	237.1	21,700	67.2	233.7	22,800	125
130	62.4	236.0	19,000	64.2	234.4	20,000	65.9	231.0	21,000	130
135	61.1	233.2	17,500	62.9	231.6	18,400	64.6	228.1	19,400	135
140	59.8	230.3	16,100	61.6	228.6	17,000	63.3	225.1	17,900	140
145	58.5	227.1	14,800	60.3	225.5	15,600	62.0	221.9	16,500	145
150	57.2	223.9	13,600	59.0	222.2	14,400	60.6	218.5	15,200	150
155	55.8	220.4	12,500	57.6	218.7	13,200	59.2	215.0	14,000	155
160	54.5	216.8	11,400	56.2	215.0	12,100	57.8	211.3	12,800	160
165	53.1	213.0	10,400	54.9	211.2	11,100	56.4	207.3	11,700	165
170	51.7	209.0	9,500	53.4	207.2	10,200	55.0	203.2	10,700	170
175	50.2	204.8	8,600	52.0	202.9	9,300	53.5	198.9	9,800	175
180	48.8	200.3	7,800	50.5	198.4	8,400	52.0	194.3	8,900	180
185	47.3	195.6	7,000	49.0	193.7	7,600	50.4	189.5	8,100	185
190	45.7	190.7	6,300	47.4	188.7	6,800	48.8	184.4	7,300	190
195	44.1	185.5	5,600	45.8	183.4	6,100	47.1	179.0	6,500	195
200	42.5	180.0	5,000	44.1	177.9	5,400	45.4	173.2	5,800	200
205	40.8	174.1	4,300	42.4	171.9	4,800	43.7	167.1	5,100	205
210				40.6	165.6	4,100				210

# MLC250 S-1

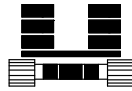
ASME B30.5



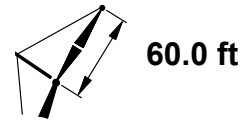
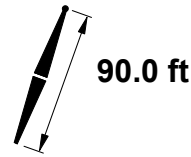
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.4	273.4	42,500							55
60	79.3	272.4	41,900							60
65	78.2	271.3	41,400							65
70	77.1	270.1	40,800	80.1	269.9	38,400				70
75	76.0	268.8	40,400	79.0	268.7	38,000	80.8	265.5	32,700	75
80	74.9	267.4	39,900	77.9	267.4	37,700	79.7	264.2	31,800	80
85	73.8	265.9	39,400	76.8	266.0	37,400	78.6	262.8	30,900	85
90	72.7	264.3	37,400	75.6	264.5	37,000	77.5	261.3	30,100	90
95	71.6	262.6	34,000	74.5	262.8	36,700	76.3	259.6	29,400	95
100	70.5	260.8	31,100	73.4	261.1	35,700	75.2	257.9	28,700	100
105	69.3	258.9	28,500	72.3	259.3	32,700	74.0	256.0	28,000	105
110	68.2	256.8	26,100	71.1	257.3	29,900	72.9	254.0	27,300	110
115	67.0	254.6	23,900	70.0	255.3	27,400	71.7	252.0	26,800	115
120	65.8	252.3	22,000	68.8	253.1	25,200	70.5	249.7	26,200	120
125	64.7	249.9	20,200	67.6	250.8	23,200	69.3	247.4	24,400	125
130	63.5	247.4	18,500	66.4	248.3	21,300	68.1	244.9	22,400	130
135	62.3	244.7	17,000	65.2	245.8	19,600	66.9	242.3	20,700	135
140	61.0	241.9	15,600	64.0	243.1	18,000	65.7	239.6	19,000	140
145	59.8	238.9	14,300	62.8	240.2	16,600	64.4	236.7	17,500	145
150	58.6	235.8	13,100	61.5	237.3	15,200	63.2	233.7	16,100	150
155	57.3	232.5	12,000	60.3	234.1	14,000	61.9	230.5	14,800	155
160	56.0	229.1	11,000	59.0	230.8	12,800	60.6	227.2	13,600	160
165	54.7	225.5	10,000	57.7	227.4	11,700	59.3	223.6	12,400	165
170	53.4	221.8	9,100	56.4	223.8	10,700	57.9	220.0	11,400	170
175	52.0	217.8	8,200	55.1	220.0	9,700	56.6	216.1	10,400	175
180	50.6	213.6	7,400	53.7	216.0	8,800	55.2	212.0	9,400	180
185	49.2	209.3	6,600	52.3	211.8	8,000	53.8	207.7	8,500	185
190	47.8	204.7	5,900	50.9	207.4	7,200	52.3	203.2	7,700	190
195	46.3	199.9	5,200	49.4	202.7	6,400	50.8	198.5	6,900	195
200	44.8	194.8	4,500	47.9	197.9	5,700	49.3	193.5	6,100	200
205				46.4	192.7	5,000	47.7	188.3	5,400	205
210				44.8	187.3	4,400	46.1	182.7	4,700	210
							44.4	176.8	4,100	210

# MLC250 S-1

ASME B30.5



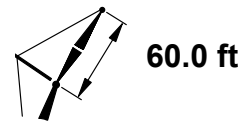
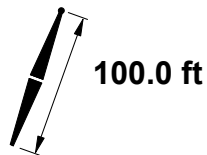
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.4	155.1	39,100							35
40	78.5	154.0	38,000							40
45	76.5	152.7	36,900	80.5	151.5	34,000				45
50	74.5	151.2	35,900	78.5	150.0	33,100				50
55	72.5	149.6	34,800	76.5	148.3	32,200	80.6	145.6	27,000	55
60	70.4	147.7	33,800	74.4	146.4	31,400	78.5	143.6	25,500	60
65	68.4	145.6	32,700	72.3	144.3	30,700	76.4	141.5	24,200	65
70	66.3	143.3	31,900	70.2	142.0	30,000	74.2	139.1	23,100	70
75	64.1	140.8	31,000	68.1	139.5	29,100	72.0	136.5	22,100	75
80	61.9	138.0	30,200	65.9	136.7	27,600	69.8	133.7	21,200	80
85	59.7	135.0	29,400	63.6	133.6	26,200	67.5	130.5	20,300	85
90	57.4	131.7	28,700	61.3	130.3	25,000	65.1	127.1	19,500	90
95	55.1	128.1	28,000	58.9	126.7	23,900	62.6	123.4	18,800	95
100	52.6	124.2	27,300	56.5	122.7	22,900	60.1	119.3	18,200	100
105	50.1	119.9	26,300	53.9	118.4	22,000	57.5	114.8	17,600	105
110	47.5	115.2	25,100	51.2	113.6	21,100	54.7	109.9	17,100	110
115	44.8	110.1	23,900	48.5	108.4	20,300	51.8	104.5	16,500	115
120	41.9	104.4	22,900	45.5	102.6	19,600	48.8	98.4	16,100	120
125	38.8	98.1	22,000	42.4	96.2	18,900	45.5	91.7	15,700	125
130	35.5	91.0	21,100	39.0	88.9	18,400	41.9	84.0	15,300	130
135	31.8	82.9	20,300	35.2	80.6	17,800				135
140	27.8	73.5	19,500	31.0	70.8	17,300				140
145	22.9	61.9	18,900							145

# MLC250 S-1

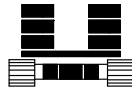
ASME B30.5



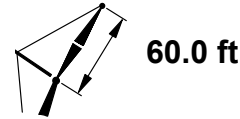
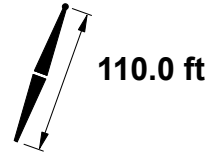
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	81.0	165.3	39,300							35
40	79.2	164.3	38,300							40
45	77.3	163.1	37,200							45
50	75.5	161.7	36,300	79.3	160.4	33,300				50
55	73.6	160.1	35,300	77.4	158.8	32,600				55
60	71.7	158.4	34,300	75.5	157.1	31,800	79.3	154.2	26,100	60
65	69.8	156.5	33,300	73.5	155.2	31,000	77.3	152.2	24,800	65
70	67.9	154.3	32,500	71.6	153.0	30,400	75.3	150.0	23,700	70
75	65.9	152.0	31,600	69.6	150.7	29,700	73.3	147.6	22,600	75
80	63.9	149.5	30,800	67.5	148.1	28,700	71.2	145.0	21,700	80
85	61.8	146.7	30,100	65.5	145.3	27,300	69.1	142.1	20,900	85
90	59.7	143.7	29,300	63.4	142.3	26,100	67.0	139.0	20,200	90
95	57.6	140.4	28,700	61.2	138.9	25,000	64.7	135.6	19,400	95
100	55.4	136.9	28,100	59.0	135.4	23,900	62.5	132.0	18,700	100
105	53.1	133.0	27,400	56.7	131.5	23,000	60.1	128.0	18,200	105
110	50.8	128.8	26,600	54.3	127.2	22,100	57.7	123.6	17,600	110
115	48.4	124.3	25,500	51.9	122.6	21,300	55.1	118.8	17,100	115
120	45.9	119.4	24,300	49.3	117.6	20,500	52.5	113.6	16,600	120
125	43.2	113.9	23,400	46.6	112.1	19,900	49.7	107.9	16,200	125
130	40.4	108.0	22,400	43.8	106.0	19,200	46.7	101.6	15,800	130
135	37.5	101.4	21,500	40.8	99.3	18,600	43.5	94.5	15,500	135
140	34.3	94.0	20,800	37.5	91.7	18,100				140
145	30.8	85.5	20,100	33.9	83.0	17,600				145
150	26.8	75.7	19,200							150
155	22.1	63.7	18,000							155

# MLC250 S-1

ASME B30.5



149,600 lb  
+  
0 lb

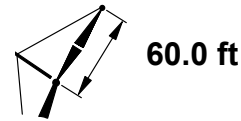
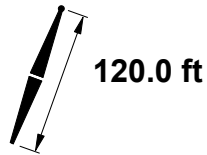


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.8	174.5	38,400							40
45	78.1	173.4	37,500							45
50	76.4	172.1	36,600	79.9	170.8	33,500				50
55	74.6	170.6	35,700	78.2	169.3	32,800				55
60	72.8	169.0	34,700	76.4	167.7	32,100	80.0	164.7	26,500	60
65	71.0	167.2	33,900	74.6	165.9	31,400	78.2	162.8	25,300	65
70	69.2	165.2	33,000	72.7	163.9	30,700	76.3	160.8	24,200	70
75	67.4	163.0	32,200	70.9	161.7	30,100	74.4	158.6	23,200	75
80	65.5	160.7	31,400	69.0	159.3	29,500	72.5	156.1	22,300	80
85	63.6	158.1	30,700	67.1	156.7	28,400	70.5	153.5	21,500	85
90	61.7	155.3	30,000	65.1	153.9	27,100	68.5	150.6	20,600	90
95	59.7	152.3	29,300	63.2	150.9	25,900	66.5	147.5	19,900	95
100	57.7	149.1	28,700	61.1	147.6	24,900	64.4	144.2	19,300	100
105	55.7	145.6	28,000	59.0	144.0	23,900	62.3	140.5	18,700	105
110	53.6	141.8	27,500	56.9	140.2	23,000	60.1	136.6	18,100	110
115	51.4	137.7	26,900	54.7	136.1	22,200	57.8	132.4	17,700	115
120	49.1	133.3	25,800	52.4	131.6	21,500	55.5	127.7	17,200	120
125	46.8	128.5	24,700	50.1	126.8	20,700	53.0	122.7	16,700	125
130	44.4	123.3	23,800	47.6	121.5	20,100	50.5	117.2	16,300	130
135	41.8	117.6	22,500	45.0	115.7	19,500	47.8	111.2	16,000	135
140	39.1	111.4	21,100	42.2	109.3	18,900	44.9	104.6	15,600	140
145	36.3	104.5	19,800	39.3	102.3	18,400	41.8	97.2	15,300	145
150	33.2	96.8	18,600	36.1	94.4	17,900				150
155	29.8	88.1	17,500	32.6	85.4	17,400				155
160	25.9	77.9	16,400							160
165	21.4	65.5	15,400							165



# MLC250 S-1

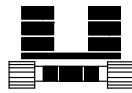
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.4	184.7	38,600							40
45	78.8	183.6	37,700							45
50	77.1	182.4	36,900	80.5	181.1	33,700				50
55	75.5	181.0	36,000	78.8	179.7	33,000				55
60	73.8	179.5	35,200	77.2	178.2	32,300	80.6	175.1	26,900	60
65	72.1	177.8	34,300	75.5	176.5	31,700	78.9	173.4	25,700	65
70	70.5	176.0	33,400	73.8	174.6	31,000	77.1	171.5	24,700	70
75	68.7	174.0	32,600	72.0	172.6	30,400	75.4	169.4	23,700	75
80	67.0	171.8	31,900	70.3	170.3	29,900	73.6	167.1	22,800	80
85	65.2	169.4	31,200	68.5	167.9	29,400	71.8	164.7	22,000	85
90	63.4	166.8	30,500	66.7	165.3	28,100	69.9	162.0	21,200	90
95	61.6	164.0	29,900	64.9	162.5	27,000	68.0	159.2	20,500	95
100	59.8	161.0	29,200	63.0	159.5	25,900	66.1	156.1	19,800	100
105	57.9	157.8	28,600	61.1	156.2	24,900	64.2	152.7	19,200	105
110	55.9	154.3	28,100	59.1	152.7	24,000	62.2	149.1	18,700	110
115	53.9	150.6	27,600	57.1	149.0	23,100	60.1	145.3	18,200	115
120	51.9	146.6	27,000	55.0	144.9	22,300	58.0	141.1	17,700	120
125	49.8	142.3	25,300	52.9	140.5	21,600	55.8	136.6	17,200	125
130	47.6	137.6	23,600	50.7	135.8	20,900	53.5	131.7	16,800	130
135	45.4	132.6	22,100	48.4	130.7	20,300	51.1	126.5	16,400	135
140	43.0	127.2	20,700	46.0	125.2	19,700	48.7	120.7	16,100	140
145	40.5	121.2	19,500	43.5	119.2	19,200	46.0	114.4	15,700	145
150	37.9	114.7	18,300	40.8	112.6	18,600	43.2	107.5	15,400	150
155	35.2	107.6	17,100	38.0	105.2	17,600				155
160	32.2	99.6	16,100	34.9	97.0	16,500				160
165	28.9	90.5	15,100	31.5	87.7	15,400				165
170	25.1	80.0	14,100							170
175	20.8	67.2	13,200							175

# MLC250 S-1

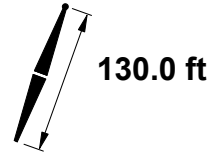
ASME B30.5



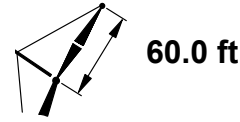
149,600 lb  
+  
0 lb



360°



130.0 ft

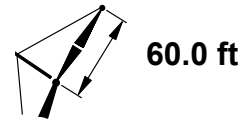
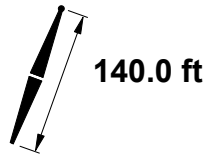


60.0 ft

ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.9	194.9	38,700							40
45	79.4	193.9	37,800							45
50	77.8	192.7	37,000	81.0	191.4	33,900				50
55	76.3	191.4	36,300	79.5	190.1	33,300				55
60	74.7	190.0	35,500	77.9	188.6	32,500				60
65	73.1	188.4	34,700	76.3	187.0	31,900	79.5	183.9	26,100	65
70	71.5	186.7	33,900	74.7	185.2	31,300	77.9	182.1	25,100	70
75	69.9	184.8	33,100	73.0	183.3	30,700	76.2	180.1	24,100	75
80	68.3	182.7	32,400	71.4	181.2	30,200	74.5	178.0	23,200	80
85	66.6	180.5	31,600	69.7	179.0	29,600	72.8	175.7	22,400	85
90	65.0	178.0	31,000	68.0	176.6	29,100	71.1	173.2	21,600	90
95	63.3	175.4	30,300	66.3	173.9	27,800	69.4	170.6	21,000	95
100	61.5	172.7	29,700	64.6	171.1	26,800	67.6	167.7	20,400	100
105	59.8	169.7	29,100	62.8	168.1	25,700	65.8	164.6	19,700	105
110	58.0	166.5	28,600	61.0	164.9	24,900	63.9	161.3	19,100	110
115	56.2	163.0	28,100	59.2	161.4	24,000	62.0	157.7	18,600	115
120	54.3	159.4	26,600	57.3	157.7	23,200	60.1	153.9	18,100	120
125	52.4	155.4	24,800	55.3	153.7	22,400	58.1	149.8	17,700	125
130	50.4	151.2	23,200	53.3	149.4	21,700	56.0	145.4	17,200	130
135	48.4	146.7	21,700	51.3	144.8	21,100	53.9	140.7	16,900	135
140	46.2	141.8	20,300	49.1	139.9	20,400	51.7	135.6	16,500	140
145	44.1	136.5	19,000	46.9	134.6	19,600	49.4	130.1	16,200	145
150	41.8	130.9	17,800	44.6	128.8	18,300	47.0	124.1	15,900	150
155	39.4	124.7	16,700	42.2	122.5	17,200	44.5	117.6	15,600	155
160	36.8	118.0	15,600	39.6	115.7	16,100	41.8	110.4	15,300	160
165	34.1	110.5	14,600	36.8	108.1	15,000				165
170	31.2	102.3	13,700	33.8	99.6	14,100				170
175	28.0	92.9	12,800	30.5	89.9	13,100				175
180	24.4	82.0	12,000							180
185	20.2	68.8	11,200							185

# MLC250 S-1

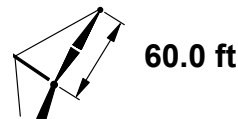
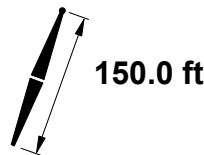
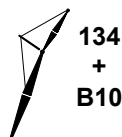
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.9	204.1	37,900							45
50	78.5	203.0	37,200							50
55	77.0	201.8	36,500	80.0	200.4	33,300				55
60	75.5	200.4	35,800	78.5	199.0	32,700				60
65	74.0	198.9	35,000	77.0	197.5	32,100	80.1	194.3	26,500	65
70	72.5	197.3	34,200	75.5	195.8	31,600	78.5	192.6	25,500	70
75	71.0	195.5	33,500	73.9	194.0	31,000	77.0	190.8	24,500	75
80	69.4	193.5	32,800	72.4	192.1	30,400	75.4	188.8	23,700	80
85	67.9	191.4	32,100	70.8	189.9	30,000	73.8	186.6	22,900	85
90	66.3	189.2	31,400	69.2	187.7	29,500	72.2	184.3	22,100	90
95	64.7	186.7	30,800	67.6	185.2	28,800	70.5	181.8	21,500	95
100	63.1	184.1	30,200	66.0	182.6	27,700	68.9	179.1	20,800	100
105	61.5	181.3	29,600	64.4	179.8	26,600	67.2	176.2	20,200	105
110	59.8	178.3	29,100	62.7	176.7	25,700	65.5	173.2	19,600	110
115	58.1	175.1	28,100	61.0	173.5	24,800	63.7	169.9	19,100	115
120	56.4	171.7	26,200	59.2	170.1	24,000	61.9	166.3	18,600	120
125	54.6	168.1	24,400	57.4	166.4	23,200	60.1	162.6	18,100	125
130	52.8	164.2	22,800	55.6	162.5	22,500	58.2	158.6	17,700	130
135	50.9	160.1	21,300	53.7	158.3	21,800	56.3	154.3	17,300	135
140	49.0	155.7	19,900	51.8	153.8	20,600	54.3	149.7	17,000	140
145	47.0	150.9	18,600	49.8	149.0	19,300	52.2	144.7	16,600	145
150	45.0	145.8	17,400	47.7	143.9	18,000	50.1	139.4	16,300	150
155	42.9	140.4	16,300	45.5	138.3	16,900	47.8	133.6	16,000	155
160	40.6	134.5	15,200	43.3	132.3	15,800	45.5	127.4	15,700	160
165	38.3	128.1	14,300	40.9	125.8	14,700	43.0	120.6	15,100	165
170	35.8	121.1	13,300	38.4	118.7	13,800				170
175	33.2	113.4	12,500	35.7	110.8	12,800				175
180	30.4	104.9	11,600	32.8	102.0	12,000				180
185	27.3	95.2	10,900							185
190	23.7	84.0	10,100							190

# MLC250 S-1

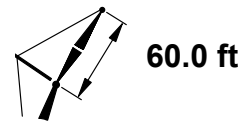
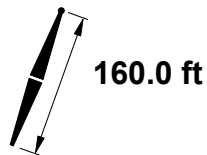
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.4	214.3	38,000							45
50	79.0	213.2	37,300							50
55	77.6	212.1	36,600	80.5	210.7	33,500				55
60	76.2	210.8	35,900	79.1	209.4	32,900				60
65	74.8	209.4	35,200	77.6	207.9	32,300	80.6	204.7	26,900	65
70	73.4	207.8	34,500	76.2	206.3	31,700	79.1	203.1	25,800	70
75	71.9	206.1	33,800	74.8	204.6	31,300	77.6	201.3	24,900	75
80	70.5	204.3	33,100	73.3	202.8	30,700	76.1	199.5	24,100	80
85	69.0	202.3	32,500	71.8	200.8	30,200	74.6	197.4	23,300	85
90	67.5	200.1	31,800	70.3	198.6	29,800	73.1	195.2	22,600	90
95	66.0	197.8	31,200	68.8	196.3	29,300	71.6	192.9	21,900	95
100	64.5	195.4	30,600	67.3	193.8	28,500	70.0	190.4	21,200	100
105	62.9	192.8	30,100	65.7	191.2	27,500	68.4	187.7	20,600	105
110	61.4	190.0	29,500	64.1	188.4	26,500	66.8	184.8	20,000	110
115	59.8	187.0	27,500	62.5	185.4	25,600	65.2	181.7	19,500	115
120	58.2	183.8	25,600	60.9	182.2	24,800	63.5	178.4	19,100	120
125	56.5	180.4	23,800	59.2	178.8	24,000	61.8	175.0	18,600	125
130	54.9	176.8	22,200	57.5	175.1	23,100	60.1	171.2	18,100	130
135	53.1	173.0	20,700	55.8	171.3	21,500	58.3	167.3	17,700	135
140	51.4	169.0	19,300	54.0	167.1	20,100	56.5	163.1	17,400	140
145	49.6	164.6	18,000	52.2	162.8	18,700	54.6	158.6	17,000	145
150	47.7	160.0	16,800	50.3	158.1	17,500	52.7	153.7	16,700	150
155	45.8	155.1	15,700	48.4	153.1	16,300	50.7	148.6	16,400	155
160	43.8	149.8	14,600	46.4	147.7	15,200	48.6	143.0	15,700	160
165	41.7	144.1	13,700	44.3	142.0	14,200	46.4	137.1	14,700	165
170	39.6	138.0	12,700	42.1	135.7	13,200	44.1	130.6	13,600	170
175	37.3	131.4	11,900	39.8	129.0	12,300				175
180	34.9	124.1	11,000	37.3	121.6	11,400				180
185	32.4	116.2	10,300	34.7	113.5	10,600				185
190	29.6	107.4	9,500	31.9	104.5	9,800				190
195	26.6	97.5	8,800							195
200	23.1	85.9	8,100							200

# MLC250 S-1

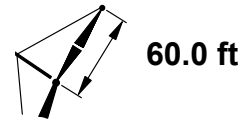
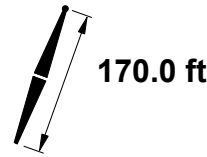
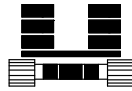
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.9	224.4	38,000							45
50	79.5	223.5	37,300							50
55	78.2	222.4	36,700	80.9	220.9	33,600				55
60	76.9	221.1	36,100	79.6	219.7	33,000				60
65	75.5	219.8	35,400	78.2	218.3	32,500	81.0	215.0	27,200	65
70	74.1	218.3	34,800	76.9	216.8	31,900	79.6	213.5	26,200	70
75	72.8	216.7	34,000	75.5	215.2	31,400	78.2	211.9	25,300	75
80	71.4	214.9	33,400	74.1	213.4	30,900	76.8	210.1	24,400	80
85	70.0	213.0	32,700	72.7	211.5	30,400	75.4	208.1	23,700	85
90	68.6	211.0	32,100	71.3	209.5	30,000	74.0	206.1	22,900	90
95	67.2	208.9	31,500	69.8	207.3	29,500	72.5	203.9	22,300	95
100	65.7	206.5	31,000	68.4	205.0	29,200	71.0	201.5	21,700	100
105	64.3	204.1	30,400	66.9	202.5	28,300	69.5	198.9	21,000	105
110	62.8	201.4	29,200	65.5	199.8	27,300	68.0	196.2	20,500	110
115	61.3	198.6	27,100	63.9	197.0	26,400	66.5	193.3	19,900	115
120	59.8	195.6	25,200	62.4	194.0	25,500	64.9	190.3	19,500	120
125	58.3	192.5	23,400	60.9	190.8	24,400	63.3	187.0	19,000	125
130	56.7	189.1	21,700	59.3	187.4	22,700	61.7	183.6	18,600	130
135	55.1	185.6	20,200	57.7	183.8	21,100	60.1	179.9	18,100	135
140	53.5	181.8	18,900	56.0	180.0	19,700	58.4	176.0	17,800	140
145	51.8	177.8	17,600	54.3	176.0	18,400	56.7	171.8	17,400	145
150	50.1	173.5	16,400	52.6	171.7	17,100	54.9	167.4	17,100	150
155	48.3	169.0	15,300	50.8	167.1	15,900	53.1	162.7	16,600	155
160	46.5	164.2	14,200	49.0	162.2	14,900	51.2	157.7	15,400	160
165	44.7	159.1	13,200	47.1	157.0	13,800	49.2	152.4	14,400	165
170	42.7	153.6	12,300	45.1	151.5	12,900	47.2	146.6	13,400	170
175	40.7	147.7	11,500	43.1	145.5	12,000	45.1	140.4	12,400	175
180	38.6	141.4	10,600	41.0	139.1	11,100	42.9	133.7	11,500	180
185	36.4	134.5	9,900	38.7	132.1	10,300				185
190	34.1	127.1	9,100	36.3	124.5	9,500				190
195	31.6	118.9	8,400	33.8	116.1	8,800				195
200	28.9	109.9	7,800	31.0	106.8	8,000				200
205	25.9	99.7	7,100							205
210	22.6	87.8	6,500							210

# MLC250 S-1

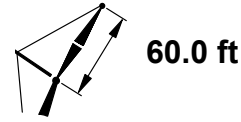
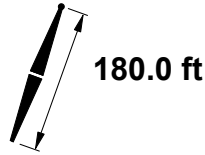
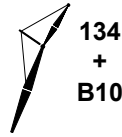
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
50	80.0	233.7	37,400							50
55	78.7	232.6	36,700							55
60	77.4	231.4	36,100	80.1	230.0	33,100				60
65	76.1	230.1	35,500	78.8	228.7	32,600				65
70	74.9	228.7	34,900	77.5	227.2	32,100	80.1	223.9	26,500	70
75	73.5	227.2	34,300	76.1	225.7	31,500	78.8	222.3	25,600	75
80	72.2	225.5	33,600	74.8	224.0	31,100	77.4	220.6	24,800	80
85	70.9	223.7	33,000	73.5	222.2	30,600	76.1	218.8	24,000	85
90	69.6	221.8	32,400	72.1	220.3	30,200	74.7	216.8	23,300	90
95	68.2	219.8	31,800	70.8	218.2	29,800	73.3	214.7	22,600	95
100	66.9	217.6	31,300	69.4	216.0	29,300	71.9	212.5	22,000	100
105	65.5	215.2	30,700	68.0	213.6	29,000	70.5	210.1	21,500	105
110	64.1	212.7	28,800	66.6	211.1	28,000	69.1	207.5	20,900	110
115	62.7	210.1	26,600	65.2	208.5	27,100	67.7	204.8	20,400	115
120	61.3	207.3	24,700	63.8	205.6	25,800	66.2	201.9	19,800	120
125	59.8	204.3	22,900	62.3	202.6	24,000	64.7	198.9	19,400	125
130	58.3	201.2	21,300	60.8	199.5	22,300	63.2	195.6	19,000	130
135	56.8	197.8	19,800	59.3	196.1	20,700	61.6	192.2	18,600	135
140	55.3	194.3	18,400	57.8	192.5	19,300	60.1	188.6	18,100	140
145	53.8	190.6	17,100	56.2	188.8	17,900	58.5	184.7	17,800	145
150	52.2	186.6	15,900	54.6	184.8	16,700	56.8	180.6	17,400	150
155	50.6	182.4	14,800	53.0	180.6	15,500	55.1	176.3	16,200	155
160	48.9	178.0	13,700	51.3	176.1	14,400	53.4	171.7	15,100	160
165	47.2	173.3	12,800	49.5	171.3	13,400	51.6	166.8	14,000	165
170	45.4	168.3	11,800	47.8	166.3	12,400	49.8	161.6	13,000	170
175	43.6	163.0	11,000	45.9	160.9	11,500	47.9	156.0	12,000	175
180	41.7	157.3	10,100	44.0	155.1	10,700	45.9	150.1	11,100	180
185	39.8	151.2	9,400	42.0	148.9	9,900	43.9	143.7	10,300	185
190	37.7	144.7	8,600	39.9	142.3	9,100				190
195	35.5	137.7	8,000	37.7	135.1	8,300				195
200	33.3	130.0	7,300	35.4	127.3	7,600				200
205	30.8	121.6	6,700	32.9	118.7	7,000				205
210	28.2	112.3	6,100							210
215	25.3	101.8	5,500							215
220	22.0	89.7	4,900							220

# MLC250 S-1

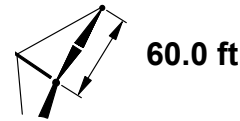
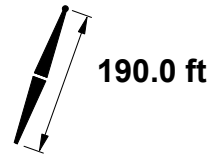
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.4	243.8	37,300							50
55	79.2	242.8	36,700							55
60	78.0	241.7	36,100	80.5	240.2	33,100				60
65	76.7	240.5	35,500	79.2	239.0	32,600				65
70	75.5	239.1	34,900	78.0	237.6	32,100	80.6	234.3	26,800	70
75	74.3	237.7	34,400	76.8	236.2	31,700	79.3	232.8	25,900	75
80	73.0	236.1	33,800	75.5	234.6	31,200	78.0	231.1	25,100	80
85	71.7	234.4	33,300	74.2	232.8	30,800	76.7	229.4	24,400	85
90	70.5	232.5	32,700	72.9	231.0	30,400	75.4	227.5	23,600	90
95	69.2	230.6	32,100	71.6	229.0	29,900	74.1	225.5	23,000	95
100	67.9	228.5	31,600	70.3	226.9	29,500	72.8	223.4	22,400	100
105	66.6	226.3	30,700	69.0	224.7	29,200	71.4	221.1	21,800	105
110	65.3	223.9	28,300	67.7	222.3	28,800	70.1	218.7	21,300	110
115	63.9	221.4	26,200	66.4	219.8	27,500	68.7	216.1	20,800	115
120	62.6	218.8	24,200	65.0	217.1	25,500	67.3	213.4	20,200	120
125	61.2	215.9	22,500	63.6	214.3	23,600	65.9	210.5	19,800	125
130	59.8	213.0	20,800	62.2	211.3	21,900	64.5	207.5	19,400	130
135	58.4	209.8	19,300	60.8	208.1	20,300	63.0	204.2	18,900	135
140	57.0	206.5	17,900	59.3	204.8	18,900	61.6	200.8	18,600	140
145	55.5	203.0	16,700	57.9	201.2	17,500	60.1	197.2	18,100	145
150	54.0	199.3	15,500	56.4	197.5	16,300	58.5	193.4	17,100	150
155	52.5	195.4	14,300	54.8	193.6	15,100	57.0	189.4	15,900	155
160	51.0	191.3	13,300	53.3	189.4	14,000	55.4	185.1	14,700	160
165	49.4	187.0	12,300	51.7	185.0	13,000	53.7	180.6	13,700	165
170	47.8	182.4	11,400	50.0	180.4	12,100	52.0	175.8	12,700	170
175	46.1	177.5	10,500	48.4	175.4	11,200	50.3	170.8	11,700	175
180	44.4	172.3	9,700	46.6	170.2	10,300	48.5	165.4	10,800	180
185	42.6	166.8	9,000	44.8	164.6	9,500	46.7	159.6	9,900	185
190	40.8	161.0	8,200	42.9	158.7	8,700	44.7	153.5	9,100	190
195	38.9	154.7	7,500	41.0	152.3	8,000	42.7	146.9	8,400	195
200	36.9	148.0	6,900	39.0	145.5	7,300				200
205	34.8	140.7	6,200	36.8	138.1	6,600				205
210	32.5	132.8	5,600	34.5	130.0	6,000				210
215	30.1	124.2	5,100	32.1	121.2	5,400				215
220	27.6	114.7	4,500							220
225	24.7	103.9	4,000							225

# MLC250 S-1

ASME B30.5

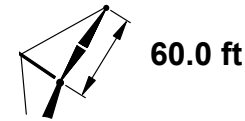
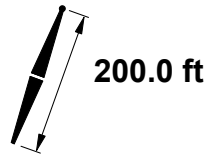


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.8	254.0	37,300							50
55	79.6	253.1	36,700							55
60	78.5	252.0	36,100	80.9	250.5	33,100				60
65	77.3	250.8	35,600	79.7	249.3	32,700				65
70	76.1	249.5	35,000	78.5	248.0	32,200	80.9	244.6	27,100	70
75	74.9	248.1	34,500	77.3	246.6	31,800	79.7	243.1	26,200	75
80	73.7	246.6	33,900	76.1	245.0	31,300	78.5	241.6	25,400	80
85	72.5	245.0	33,500	74.9	243.4	30,900	77.3	239.9	24,700	85
90	71.3	243.2	32,900	73.7	241.6	30,500	76.0	238.1	24,000	90
95	70.1	241.3	32,300	72.4	239.8	30,100	74.8	236.2	23,300	95
100	68.8	239.3	31,800	71.2	237.8	29,700	73.5	234.2	22,700	100
105	67.6	237.2	30,200	69.9	235.6	29,300	72.3	232.0	22,100	105
110	66.3	235.0	27,800	68.7	233.4	29,000	71.0	229.7	21,600	110
115	65.1	232.6	25,600	67.4	231.0	27,000	69.7	227.3	21,100	115
120	63.8	230.1	23,700	66.1	228.4	25,000	68.3	224.7	20,600	120
125	62.5	227.4	21,900	64.8	225.7	23,100	67.0	222.0	20,200	125
130	61.2	224.6	20,300	63.5	222.9	21,400	65.7	219.1	19,700	130
135	59.8	221.6	18,800	62.1	219.9	19,800	64.3	216.0	19,300	135
140	58.5	218.5	17,400	60.8	216.8	18,400	62.9	212.8	18,900	140
145	57.1	215.2	16,100	59.4	213.4	17,000	61.5	209.4	17,900	145
150	55.7	211.7	14,900	58.0	209.9	15,800	60.1	205.9	16,600	150
155	54.3	208.1	13,800	56.5	206.3	14,600	58.6	202.1	15,400	155
160	52.8	204.2	12,700	55.1	202.4	13,500	57.1	198.1	14,300	160
165	51.4	200.2	11,700	53.6	198.3	12,500	55.6	193.9	13,200	165
170	49.9	195.9	10,800	52.1	193.9	11,500	54.0	189.5	12,200	170
175	48.3	191.4	9,900	50.5	189.4	10,600	52.4	184.8	11,200	175
180	46.7	186.6	9,100	48.9	184.6	9,800	50.8	179.9	10,300	180
185	45.1	181.6	8,400	47.2	179.4	8,900	49.1	174.6	9,500	185
190	43.4	176.2	7,600	45.5	174.0	8,200	47.3	169.1	8,700	190
195	41.7	170.5	6,900	43.8	168.3	7,400	45.5	163.1	7,900	195
200	39.9	164.5	6,300	42.0	162.1	6,800	43.6	156.8	7,100	200
205	38.0	158.1	5,700	40.1	155.6	6,100				205
210	36.1	151.1	5,100	38.1	148.6	5,500				210
215	34.0	143.7	4,500	36.0	141.0	4,900				215
220				33.7	132.7	4,300				220



# MLC250 S-1

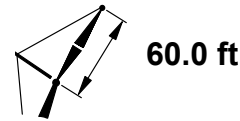
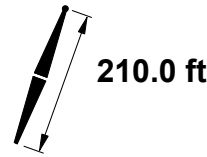
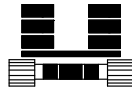
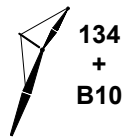
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.0	263.2	36,600							55
60	78.9	262.2	36,000							60
65	77.8	261.1	35,500	80.1	259.6	32,700				65
70	76.6	259.8	35,000	79.0	258.3	32,300				70
75	75.5	258.5	34,500	77.8	257.0	31,800	80.2	253.5	26,500	75
80	74.4	257.0	34,000	76.7	255.5	31,400	79.0	252.0	25,700	80
85	73.2	255.5	33,500	75.5	253.9	31,000	77.8	250.4	25,000	85
90	72.0	253.8	33,100	74.3	252.2	30,600	76.6	248.7	24,300	90
95	70.9	252.0	32,500	73.1	250.4	30,200	75.4	246.9	23,700	95
100	69.7	250.1	32,000	72.0	248.5	29,900	74.2	244.9	23,100	100
105	68.5	248.1	29,700	70.8	246.5	29,500	73.0	242.9	22,500	105
110	67.3	246.0	27,300	69.6	244.3	28,900	71.8	240.7	21,900	110
115	66.1	243.7	25,200	68.3	242.0	26,600	70.5	238.4	21,500	115
120	64.9	241.3	23,200	67.1	239.6	24,600	69.3	235.9	20,900	120
125	63.6	238.7	21,500	65.9	237.1	22,700	68.0	233.3	20,500	125
130	62.4	236.1	19,800	64.6	234.4	21,000	66.7	230.6	20,000	130
135	61.1	233.3	18,300	63.3	231.5	19,400	65.4	227.7	19,600	135
140	59.8	230.3	16,900	62.0	228.6	18,000	64.1	224.6	19,000	140
145	58.5	227.2	15,600	60.7	225.4	16,600	62.8	221.4	17,600	145
150	57.2	223.9	14,400	59.4	222.1	15,400	61.4	218.1	16,300	150
155	55.9	220.5	13,300	58.0	218.6	14,200	60.1	214.5	15,100	155
160	54.5	216.8	12,300	56.7	215.0	13,100	58.7	210.8	13,900	160
165	53.1	213.0	11,300	55.3	211.1	12,100	57.2	206.9	12,800	165
170	51.7	209.0	10,400	53.8	207.1	11,100	55.8	202.7	11,800	170
175	50.3	204.8	9,500	52.4	202.8	10,200	54.3	198.4	10,900	175
180	48.8	200.4	8,700	50.9	198.4	9,400	52.8	193.8	10,000	180
185	47.3	195.7	7,900	49.4	193.6	8,500	51.2	189.0	9,100	185
190	45.7	190.8	7,200	47.8	188.6	7,800	49.6	183.8	8,300	190
195	44.2	185.5	6,500	46.2	183.4	7,100	47.9	178.4	7,500	195
200	42.5	180.0	5,800	44.5	177.8	6,400	46.2	172.7	6,800	200
205	40.8	174.2	5,200	42.8	171.9	5,700	44.4	166.6	6,100	205
210	39.1	168.0	4,600	41.0	165.5	5,100	42.6	160.0	5,400	210
215	37.2	161.3	4,100	39.2	158.8	4,500				215

# MLC250 S-1

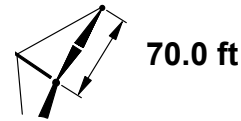
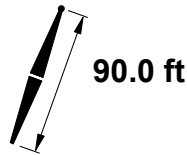
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
55	80.4	273.4	36,500							55
60	79.3	272.4	36,000							60
65	78.2	271.3	35,500	80.5	269.8	32,700				65
70	77.2	270.2	34,900	79.4	268.6	32,200				70
75	76.1	268.9	34,500	78.3	267.3	31,900	80.5	263.8	26,800	75
80	75.0	267.5	34,000	77.2	265.9	31,500	79.4	262.4	26,000	80
85	73.8	266.0	33,500	76.1	264.4	31,000	78.3	260.9	25,300	85
90	72.7	264.4	33,100	74.9	262.8	30,700	77.1	259.2	24,600	90
95	71.6	262.7	32,700	73.8	261.1	30,300	76.0	257.5	24,000	95
100	70.5	260.8	31,900	72.7	259.2	30,000	74.8	255.6	23,400	100
105	69.3	258.9	29,200	71.5	257.3	29,600	73.7	253.7	22,800	105
110	68.2	256.8	26,900	70.4	255.2	28,400	72.5	251.6	22,200	110
115	67.0	254.7	24,700	69.2	253.0	26,200	71.3	249.3	21,700	115
120	65.9	252.4	22,800	68.0	250.7	24,200	70.1	247.0	21,300	120
125	64.7	250.0	21,000	66.8	248.3	22,300	68.9	244.5	20,800	125
130	63.5	247.4	19,300	65.6	245.7	20,600	67.7	241.9	20,400	130
135	62.3	244.7	17,800	64.4	243.0	19,000	66.5	239.2	19,900	135
140	61.1	241.9	16,400	63.2	240.2	17,500	65.2	236.3	18,600	140
145	59.8	239.0	15,100	62.0	237.2	16,200	64.0	233.2	17,200	145
150	58.6	235.8	13,900	60.7	234.1	14,900	62.7	230.1	15,900	150
155	57.3	232.6	12,800	59.4	230.8	13,800	61.4	226.7	14,700	155
160	56.0	229.2	11,800	58.1	227.3	12,700	60.1	223.2	13,500	160
165	54.7	225.6	10,800	56.8	223.7	11,600	58.7	219.5	12,400	165
170	53.4	221.8	9,900	55.5	219.9	10,700	57.3	215.6	11,400	170
175	52.0	217.8	9,000	54.1	215.9	9,800	56.0	211.5	10,500	175
180	50.7	213.7	8,200	52.7	211.7	8,900	54.5	207.3	9,600	180
185	49.3	209.3	7,400	51.3	207.3	8,100	53.1	202.7	8,700	185
190	47.8	204.7	6,700	49.8	202.7	7,300	51.6	198.0	7,900	190
195	46.3	199.9	6,000	48.3	197.8	6,600	50.1	193.0	7,100	195
200	44.8	194.8	5,300	46.8	192.6	5,900	48.5	187.7	6,400	200
205	43.3	189.4	4,700	45.2	187.2	5,200	46.9	182.1	5,700	205
210	41.7	183.8	4,100	43.6	181.5	4,600	45.2	176.2	5,000	210
215				41.9	175.4	4,000	43.4	169.9	4,400	215

# MLC250 S-1

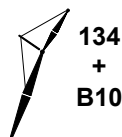
ASME B30.5



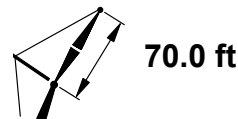
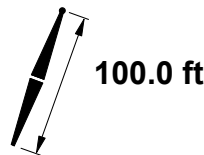
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.3	164.5	29,500							40
45	77.5	163.3	29,500							45
50	75.6	162.0	28,700	80.1	160.8	26,600				50
55	73.8	160.5	27,900	78.2	159.3	25,900				55
60	71.9	158.8	27,100	76.3	157.6	25,300	80.9	154.7	23,300	60
65	70.0	156.9	26,300	74.4	155.7	24,600	78.9	152.8	22,800	65
70	68.0	154.8	25,600	72.4	153.6	24,000	76.9	150.6	21,900	70
75	66.0	152.5	24,900	70.4	151.3	23,400	74.9	148.3	20,800	75
80	64.0	150.0	24,200	68.4	148.7	22,900	72.8	145.7	19,800	80
85	62.0	147.3	23,600	66.3	146.0	22,300	70.7	142.9	18,900	85
90	59.9	144.3	23,000	64.2	143.0	21,800	68.6	139.8	18,100	90
95	57.8	141.1	22,400	62.1	139.7	21,300	66.4	136.5	17,400	95
100	55.6	137.6	21,800	59.9	136.2	20,800	64.1	132.9	16,700	100
105	53.4	133.8	21,300	57.6	132.4	20,400	61.8	128.9	16,100	105
110	51.0	129.7	20,700	55.3	128.2	19,700	59.4	124.6	15,500	110
115	48.6	125.2	20,200	52.8	123.7	19,000	56.8	120.0	15,000	115
120	46.1	120.4	19,700	50.3	118.8	18,200	54.2	114.9	14,500	120
125	43.5	115.1	19,300	47.6	113.4	17,500	51.5	109.2	14,100	125
130	40.8	109.2	18,900	44.8	107.4	16,800	48.5	103.0	13,700	130
135	37.8	102.7	18,500	41.9	100.8	16,300	45.4	96.1	13,300	135
140	34.7	95.5	18,100	38.6	93.4	15,700	42.0	88.3	13,000	140
145	31.2	87.3	17,400	35.1	85.0	15,200				145
150	27.4	77.8	16,800	31.1	75.1	14,800				150
155	22.9	66.3	16,200							155

# MLC250 S-1

ASME B30.5



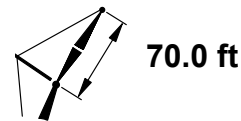
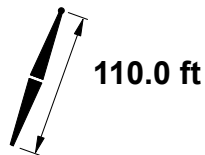
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.0	174.7	29,500							40
45	78.2	173.6	29,500							45
50	76.5	172.4	29,100	80.7	171.2	26,800				50
55	74.7	170.9	28,200	78.9	169.7	26,200				55
60	73.0	169.4	27,500	77.1	168.1	25,600				60
65	71.2	167.6	26,700	75.3	166.3	24,900	79.6	163.3	22,900	65
70	69.4	165.6	26,000	73.5	164.4	24,300	77.8	161.3	22,400	70
75	67.5	163.5	25,400	71.7	162.2	23,800	75.9	159.1	21,400	75
80	65.7	161.2	24,700	69.8	159.9	23,200	74.0	156.7	20,400	80
85	63.8	158.7	24,100	67.9	157.3	22,700	72.0	154.1	19,500	85
90	61.9	155.9	23,500	66.0	154.6	22,200	70.1	151.3	18,700	90
95	59.9	153.0	22,900	64.0	151.6	21,700	68.0	148.3	17,900	95
100	57.9	149.8	22,400	62.0	148.4	21,300	66.0	145.0	17,300	100
105	55.9	146.3	21,900	59.9	144.9	20,800	63.8	141.4	16,600	105
110	53.8	142.6	21,300	57.8	141.1	20,400	61.7	137.5	16,100	110
115	51.6	138.6	20,900	55.6	137.0	19,800	59.4	133.3	15,500	115
120	49.4	134.2	20,300	53.3	132.6	19,100	57.1	128.8	15,000	120
125	47.1	129.5	19,900	51.0	127.9	18,300	54.6	123.9	14,600	125
130	44.6	124.4	19,500	48.5	122.7	17,700	52.1	118.5	14,200	130
135	42.1	118.8	19,100	46.0	117.0	17,100	49.4	112.6	13,800	135
140	39.5	112.7	18,700	43.2	110.8	16,500	46.6	106.1	13,400	140
145	36.6	105.9	18,300	40.4	103.9	16,000	43.6	98.8	13,100	145
150	33.6	98.4	17,900	37.2	96.2	15,500				150
155	30.2	89.9	17,300	33.8	87.4	15,100				155
160	26.5	80.0	16,600	30.0	77.2	14,700				160
165	22.2	68.1	16,100							165

# MLC250 S-1

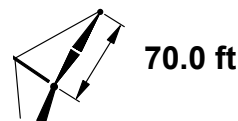
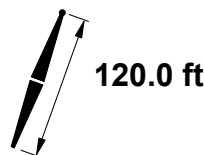
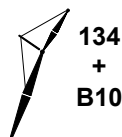
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.5	184.9	29,500							40
45	78.9	183.9	29,500							45
50	77.3	182.7	29,300							50
55	75.6	181.4	28,500	79.6	180.1	26,300				55
60	74.0	179.9	27,800	77.9	178.6	25,700				60
65	72.3	178.2	27,100	76.2	176.9	25,100	80.3	173.8	23,100	65
70	70.6	176.4	26,400	74.5	175.1	24,600	78.5	171.9	22,600	70
75	68.9	174.4	25,800	72.8	173.1	24,100	76.8	169.9	21,800	75
80	67.1	172.2	25,200	71.0	170.9	23,500	75.0	167.7	20,900	80
85	65.4	169.9	24,600	69.2	168.5	23,100	73.2	165.3	20,000	85
90	63.6	167.3	24,000	67.4	166.0	22,600	71.3	162.6	19,200	90
95	61.8	164.6	23,400	65.6	163.2	22,100	69.5	159.8	18,500	95
100	59.9	161.6	22,800	63.7	160.2	21,600	67.5	156.8	17,800	100
105	58.0	158.5	22,400	61.8	157.0	21,200	65.6	153.5	17,100	105
110	56.1	155.0	21,900	59.9	153.5	20,800	63.6	149.9	16,600	110
115	54.1	151.4	21,300	57.9	149.8	20,400	61.6	146.1	16,000	115
120	52.1	147.4	20,900	55.9	145.8	19,900	59.4	142.0	15,500	120
125	50.0	143.2	20,500	53.7	141.5	19,200	57.3	137.6	15,100	125
130	47.9	138.6	20,000	51.6	136.9	18,500	55.0	132.8	14,600	130
135	45.6	133.6	19,600	49.3	131.9	17,900	52.7	127.6	14,200	135
140	43.3	128.3	19,200	46.9	126.4	17,300	50.2	122.0	13,900	140
145	40.8	122.4	18,900	44.4	120.5	16,800	47.6	115.8	13,500	145
150	38.3	116.1	18,500	41.8	114.0	16,300	44.9	109.0	13,200	150
155	35.5	109.0	18,100	39.0	106.9	15,800	41.9	101.4	13,000	155
160	32.6	101.2	17,000	36.0	98.9	15,400				160
165	29.3	92.4	16,000	32.7	89.8	15,000				165
170	25.7	82.2	15,100							170
175	21.5	69.9	14,200							175

# MLC250 S-1

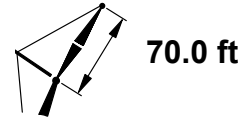
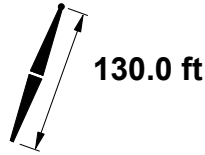
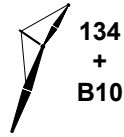
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	81.0	195.1	29,500							40
45	79.5	194.1	29,500							45
50	77.9	193.0	29,500							50
55	76.4	191.7	28,800	80.1	190.4	26,500				55
60	74.8	190.3	28,100	78.6	189.0	25,900				60
65	73.2	188.8	27,500	77.0	187.4	25,400	80.8	184.2	23,200	65
70	71.7	187.0	26,800	75.4	185.7	24,800	79.2	182.5	22,800	70
75	70.0	185.2	26,200	73.7	183.8	24,300	77.5	180.6	22,300	75
80	68.4	183.1	25,600	72.1	181.8	23,800	75.8	178.5	21,300	80
85	66.8	180.9	25,000	70.4	179.6	23,400	74.2	176.2	20,500	85
90	65.1	178.6	24,400	68.8	177.2	22,900	72.4	173.8	19,700	90
95	63.4	176.0	23,900	67.0	174.6	22,400	70.7	171.1	18,900	95
100	61.7	173.2	23,300	65.3	171.8	22,000	68.9	168.3	18,300	100
105	59.9	170.3	22,800	63.5	168.8	21,600	67.1	165.3	17,600	105
110	58.1	167.1	22,300	61.7	165.6	21,200	65.3	162.0	17,000	110
115	56.3	163.7	21,900	59.9	162.2	20,800	63.4	158.5	16,500	115
120	54.5	160.1	21,400	58.0	158.5	20,400	61.5	154.7	16,000	120
125	52.6	156.2	20,900	56.1	154.6	20,000	59.5	150.7	15,500	125
130	50.6	152.1	20,500	54.1	150.4	19,300	57.4	146.4	15,100	130
135	48.6	147.6	20,100	52.1	145.9	18,700	55.3	141.7	14,700	135
140	46.5	142.8	19,800	49.9	141.0	18,000	53.1	136.7	14,300	140
145	44.3	137.6	19,400	47.7	135.8	17,500	50.9	131.2	14,000	145
150	42.0	132.0	18,800	45.4	130.1	17,000	48.5	125.4	13,700	150
155	39.7	126.0	17,700	43.0	123.9	16,500	46.0	118.9	13,400	155
160	37.2	119.3	16,600	40.5	117.2	16,000	43.3	111.9	13,100	160
165	34.5	112.1	15,600	37.8	109.7	15,600				165
170	31.6	104.0	14,700	34.8	101.4	15,100				170
175	28.5	94.8	13,800	31.6	92.0	14,200				175
180	25.0	84.3	13,000							180
185	20.9	71.6	12,200							185

# MLC250 S-1

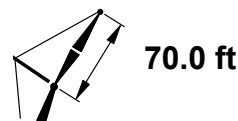
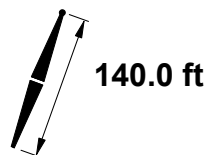
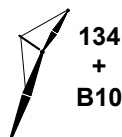
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.0	204.3	29,500							45
50	78.6	203.3	29,500							50
55	77.1	202.1	29,100	80.6	200.7	26,600				55
60	75.6	200.7	28,400	79.2	199.4	26,100				60
65	74.1	199.2	27,700	77.7	197.9	25,600				65
70	72.6	197.6	27,100	76.1	196.3	25,100	79.8	193.0	22,900	70
75	71.1	195.9	26,500	74.6	194.5	24,500	78.2	191.2	22,600	75
80	69.6	193.9	25,900	73.1	192.6	24,100	76.6	189.2	21,700	80
85	68.0	191.9	25,300	71.5	190.5	23,600	75.0	187.1	20,900	85
90	66.4	189.6	24,800	69.9	188.2	23,200	73.4	184.8	20,100	90
95	64.8	187.2	24,300	68.3	185.8	22,800	71.8	182.3	19,400	95
100	63.2	184.7	23,700	66.7	183.2	22,300	70.1	179.7	18,700	100
105	61.6	181.9	23,200	65.0	180.4	21,900	68.4	176.8	18,100	105
110	59.9	179.0	22,700	63.4	177.4	21,500	66.7	173.8	17,500	110
115	58.2	175.8	22,300	61.7	174.3	21,100	65.0	170.5	17,000	115
120	56.5	172.4	21,800	59.9	170.9	20,700	63.2	167.1	16,500	120
125	54.8	168.9	21,400	58.1	167.2	20,400	61.4	163.3	16,000	125
130	52.9	165.0	21,000	56.3	163.4	20,100	59.5	159.4	15,500	130
135	51.1	160.9	20,600	54.4	159.2	19,400	57.6	155.1	15,100	135
140	49.2	156.6	20,200	52.5	154.8	18,800	55.6	150.6	14,800	140
145	47.2	151.9	19,500	50.5	150.1	18,200	53.6	145.7	14,400	145
150	45.2	146.9	18,300	48.5	145.0	17,700	51.4	140.4	14,100	150
155	43.1	141.5	17,200	46.3	139.5	17,200	49.2	134.8	13,700	155
160	40.9	135.7	16,200	44.1	133.6	16,700	46.9	128.7	13,500	160
165	38.6	129.4	15,200	41.8	127.2	15,700	44.5	122.0	13,200	165
170	36.2	122.5	14,300	39.3	120.2	14,700	41.9	114.6	13,000	170
175	33.6	115.0	13,400	36.6	112.5	13,800				175
180	30.8	106.6	12,600	33.8	104.0	12,900				180
185	27.7	97.2	11,800	30.6	94.3	12,100				185
190	24.3	86.3	11,000							190
195	20.3	73.3	10,300							195

# MLC250 S-1

ASME B30.5

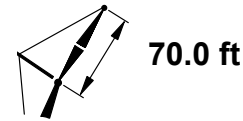
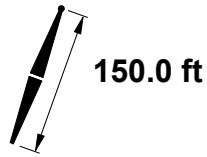


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.5	214.5	29,500							45
50	79.1	213.5	29,500							50
55	77.7	212.4	29,200							55
60	76.3	211.1	28,600	79.7	209.7	26,200				60
65	74.9	209.7	27,900	78.3	208.3	25,700				65
70	73.5	208.2	27,300	76.8	206.8	25,300	80.3	203.4	23,000	70
75	72.0	206.5	26,700	75.4	205.1	24,800	78.8	201.7	22,700	75
80	70.6	204.7	26,200	73.9	203.3	24,300	77.3	199.8	22,200	80
85	69.1	202.7	25,600	72.4	201.3	23,900	75.8	197.8	21,300	85
90	67.6	200.6	25,100	70.9	199.2	23,400	74.3	195.7	20,500	90
95	66.1	198.3	24,600	69.4	196.9	23,000	72.8	193.3	19,800	95
100	64.6	195.9	24,100	67.9	194.4	22,600	71.2	190.9	19,100	100
105	63.1	193.3	23,600	66.4	191.8	22,200	69.6	188.2	18,500	105
110	61.5	190.6	23,200	64.8	189.0	21,800	68.0	185.3	17,900	110
115	59.9	187.6	22,700	63.2	186.1	21,500	66.4	182.3	17,400	115
120	58.3	184.5	22,300	61.6	182.9	21,100	64.7	179.1	16,900	120
125	56.7	181.1	21,800	59.9	179.5	20,700	63.0	175.6	16,400	125
130	55.0	177.6	21,500	58.2	175.9	20,400	61.3	172.0	16,000	130
135	53.3	173.8	21,000	56.5	172.1	20,200	59.5	168.0	15,600	135
140	51.6	169.8	20,400	54.7	168.1	19,500	57.7	163.9	15,200	140
145	49.8	165.5	19,100	52.9	163.7	18,900	55.9	159.4	14,800	145
150	47.9	160.9	17,900	51.0	159.1	18,300	53.9	154.7	14,500	150
155	46.0	156.1	16,800	49.1	154.2	17,500	51.9	149.6	14,100	155
160	44.0	150.9	15,700	47.1	148.9	16,400	49.9	144.1	13,800	160
165	42.0	145.3	14,800	45.0	143.2	15,400	47.7	138.2	13,600	165
170	39.8	139.2	13,900	42.9	137.1	14,400	45.5	131.9	13,300	170
175	37.6	132.7	13,000	40.6	130.5	13,500	43.1	124.9	13,100	175
180	35.2	125.6	12,200	38.2	123.2	12,600				180
185	32.7	117.8	11,400	35.6	115.3	11,800				185
190	30.0	109.2	10,700	32.8	106.4	11,000				190
195	27.0	99.5	10,000	29.7	96.4	10,300				195
200	23.7	88.4	9,300							200
205	19.8	75.0	8,600							205



# MLC250 S-1

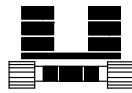
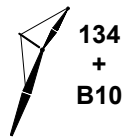
ASME B30.5



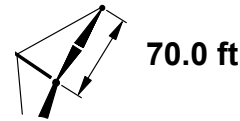
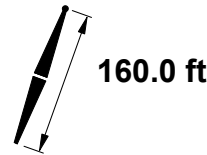
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.9	224.7	29,500							45
50	79.6	223.7	29,500							50
55	78.3	222.6	29,400							55
60	76.9	221.4	28,700	80.2	220.0	26,300				60
65	75.6	220.1	28,100	78.8	218.7	25,900				65
70	74.2	218.6	27,600	77.5	217.2	25,400	80.8	213.8	23,100	70
75	72.9	217.0	27,000	76.1	215.6	24,900	79.4	212.2	22,800	75
80	71.5	215.3	26,400	74.7	213.9	24,500	77.9	210.4	22,400	80
85	70.1	213.5	25,900	73.3	212.0	24,100	76.5	208.5	21,700	85
90	68.7	211.5	25,400	71.9	210.0	23,700	75.1	206.5	20,900	90
95	67.3	209.3	24,900	70.5	207.8	23,300	73.6	204.3	20,200	95
100	65.9	207.0	24,400	69.0	205.5	22,900	72.2	201.9	19,500	100
105	64.4	204.6	24,000	67.5	203.1	22,500	70.7	199.4	18,900	105
110	62.9	202.0	23,500	66.1	200.4	22,100	69.2	196.7	18,300	110
115	61.5	199.2	23,100	64.6	197.7	21,700	67.6	193.9	17,800	115
120	59.9	196.3	22,600	63.0	194.7	21,400	66.1	190.9	17,300	120
125	58.4	193.2	22,200	61.5	191.5	21,000	64.5	187.6	16,800	125
130	56.8	189.8	21,800	59.9	188.2	20,800	62.9	184.2	16,400	130
135	55.3	186.3	21,200	58.3	184.6	20,400	61.2	180.6	16,000	135
140	53.6	182.6	19,800	56.7	180.9	20,100	59.6	176.7	15,600	140
145	52.0	178.6	18,500	55.0	176.9	19,400	57.8	172.6	15,200	145
150	50.3	174.4	17,300	53.3	172.6	18,100	56.1	168.3	14,800	150
155	48.5	170.0	16,200	51.5	168.1	17,000	54.3	163.6	14,500	155
160	46.7	165.2	15,100	49.7	163.3	15,900	52.4	158.7	14,200	160
165	44.9	160.1	14,200	47.8	158.2	14,800	50.4	153.4	13,900	165
170	42.9	154.7	13,200	45.9	152.7	13,900	48.4	147.7	13,600	170
175	41.0	148.9	12,400	43.8	146.8	13,000	46.3	141.6	13,400	175
180	38.9	142.7	11,600	41.7	140.4	12,100	44.1	135.0	12,600	180
185	36.7	135.9	10,800	39.5	133.6	11,300	41.8	127.8	11,700	185
190	34.4	128.6	10,100	37.1	126.1	10,500				190
195	31.9	120.6	9,400	34.6	117.9	9,800				195
200	29.3	111.7	8,700	31.9	108.8	9,000				200
205	26.4	101.8	8,100							205
210	23.1	90.3	7,400							210
215	19.3	76.6	6,900							215

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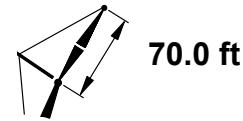
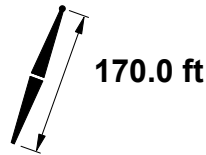
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.1	233.9	29,500							50
55	78.8	232.9	29,500							55
60	77.5	231.7	28,900	80.6	230.3	26,400				60
65	76.2	230.5	28,300	79.3	229.0	25,900				65
70	74.9	229.1	27,800	78.0	227.6	25,500				70
75	73.6	227.5	27,200	76.7	226.1	25,100	79.8	222.6	22,900	75
80	72.3	225.9	26,700	75.4	224.4	24,600	78.5	220.9	22,600	80
85	71.0	224.1	26,100	74.1	222.7	24,300	77.2	219.1	22,000	85
90	69.7	222.2	25,600	72.7	220.8	23,900	75.8	217.2	21,300	90
95	68.3	220.2	25,200	71.4	218.7	23,400	74.4	215.1	20,600	95
100	67.0	218.0	24,700	70.0	216.5	23,100	73.0	212.9	19,900	100
105	65.6	215.7	24,300	68.6	214.2	22,700	71.6	210.5	19,300	105
110	64.2	213.3	23,800	67.2	211.7	22,300	70.2	208.0	18,700	110
115	62.8	210.7	23,400	65.8	209.1	22,000	68.7	205.3	18,200	115
120	61.4	207.9	22,900	64.4	206.3	21,700	67.3	202.4	17,700	120
125	59.9	204.9	22,500	62.9	203.3	21,300	65.8	199.4	17,200	125
130	58.5	201.8	22,200	61.4	200.2	21,000	64.3	196.2	16,800	130
135	57.0	198.5	20,700	59.9	196.9	20,700	62.7	192.8	16,300	135
140	55.5	195.0	19,300	58.4	193.3	20,300	61.2	189.2	15,900	140
145	53.9	191.3	18,100	56.8	189.6	19,000	59.6	185.4	15,600	145
150	52.3	187.4	16,900	55.2	185.7	17,700	57.9	181.4	15,200	150
155	50.7	183.3	15,700	53.6	181.5	16,600	56.3	177.1	14,900	155
160	49.1	178.9	14,700	51.9	177.1	15,500	54.5	172.5	14,600	160
165	47.4	174.3	13,700	50.2	172.4	14,500	52.8	167.7	14,300	165
170	45.6	169.3	12,800	48.4	167.4	13,500	51.0	162.5	14,000	170
175	43.8	164.1	11,900	46.6	162.0	12,600	49.1	157.0	13,200	175
180	41.9	158.5	11,100	44.7	156.4	11,700	47.1	151.2	12,300	180
185	40.0	152.5	10,400	42.7	150.3	10,900	45.1	144.9	11,400	185
190	38.0	146.0	9,600	40.7	143.7	10,100	42.9	138.0	10,600	190
195	35.8	139.1	8,900	38.5	136.7	9,400	40.6	130.6	9,800	195
200	33.6	131.6	8,300	36.2	129.0	8,700				200
205	31.2	123.3	7,700	33.7	120.5	8,000				205
210	28.6	114.2	7,100	31.1	111.2	7,400				210
215	25.7	104.0	6,500							215
220	22.6	92.2	5,900							220
225	18.8	78.1	5,400							225

# MLC250 S-1

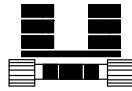
ASME B30.5



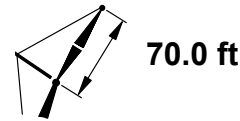
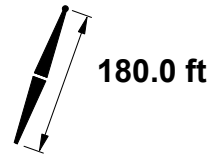
	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
50	80.5		244.1							50
55	79.3		243.1							55
60	78.1		242.0							60
65	76.8		240.8	81.0	240.5					65
70	75.6		239.5	79.8	239.3	26,400				70
75	74.4		238.0	78.5	238.0	26,000				75
80	74.4		238.0	77.3	236.5	25,200	80.3	233.0	22,900	80
85	73.1		236.4	76.0	235.0	24,800	79.0	231.4	22,600	85
90	71.8		234.8	74.8	233.3	24,400	77.7	229.7	22,300	90
95	70.6		233.0	73.5	231.5	24,000	76.4	227.8	21,600	95
100	69.3		231.0	72.2	229.5	23,700	75.1	225.8	20,900	100
105	68.0		229.0	70.9	227.4	23,300	73.8	223.7	20,300	105
110	66.7		226.8	69.6	225.2	22,900	72.5	221.5	19,700	110
115	65.4		224.4	68.3	222.9	22,600	71.1	219.1	19,100	115
120	64.0		221.9	66.9	220.4	22,200	69.7	216.5	18,600	120
125	62.7		219.3	65.6	217.7	21,900	68.4	213.9	18,100	125
130	61.3		216.5	64.2	214.9	21,600	67.0	211.0	17,600	130
135	59.9		213.6	62.8	212.0	21,300	65.5	208.0	17,100	135
140	58.5		210.5	61.4	208.8	21,000	64.1	204.8	16,700	140
145	57.1		207.2	59.9	205.5	19,900	62.6	201.4	16,300	145
150	55.7		203.8	58.5	202.0	18,600	61.1	197.8	15,900	150
155	54.2		200.1	57.0	198.3	17,300	59.6	194.1	15,600	155
160	52.7		196.2	55.4	194.4	16,100	58.0	190.1	15,200	160
165	51.1		192.2	53.9	190.3	15,000	56.4	185.9	14,900	165
170	49.6		187.9	52.3	186.0	14,000	54.8	181.4	14,600	170
175	47.9		183.3	50.7	181.4	13,100	53.1	176.7	13,800	175
180	46.3		178.5	49.0	176.5	12,100	51.4	171.7	12,800	180
185	44.6		173.4	47.3	171.3	11,300	49.6	166.3	11,900	185
190	42.8		167.9	45.5	165.8	10,500	47.8	160.6	11,000	190
195	41.0		162.1	43.6	159.9	9,700	45.9	154.6	10,200	195
200	39.1		156.0	41.7	153.7	9,000	43.9	148.0	9,400	200
205	37.1		149.3	39.7	146.9	8,300	41.8	141.0	8,700	205
210	35.0		142.2	37.6	139.7	7,600				210
215	32.8		134.4	35.3	131.7	7,000				215
220	30.5		126.0	32.9	123.1	6,400				220
225	27.9		116.6	30.3	113.5	5,800				225
230	25.2		106.1							230
235	22.1		94.1							235

# MLC250 S-1

ASME B30.5



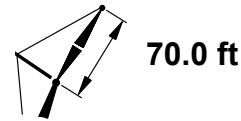
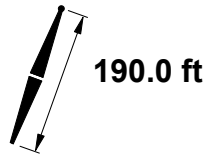
149,600 lb  
+  
0 lb



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.9	254.2	29,500							50
55	79.7	253.3	29,500							55
60	78.5	252.2	29,100							60
65	77.4	251.1	28,600	80.2	249.6	26,000				65
70	76.2	249.8	28,000	79.0	248.3	25,700				70
75	75.0	248.4	27,500	77.8	246.9	25,300	80.7	243.4	23,000	75
80	73.8	246.9	27,000	76.6	245.4	24,900	79.5	241.8	22,700	80
85	72.6	245.3	26,500	75.4	243.8	24,600	78.3	240.2	22,400	85
90	71.4	243.6	26,100	74.2	242.1	24,200	77.0	238.4	22,000	90
95	70.2	241.8	25,600	73.0	240.2	23,800	75.8	236.5	21,300	95
100	68.9	239.8	25,200	71.7	238.2	23,500	74.5	234.5	20,600	100
105	67.7	237.7	24,700	70.5	236.1	23,100	73.2	232.4	20,000	105
110	66.4	235.5	24,300	69.2	233.9	22,800	72.0	230.1	19,500	110
115	65.2	233.1	23,900	67.9	231.5	22,500	70.7	227.7	18,900	115
120	63.9	230.6	23,500	66.6	229.0	22,100	69.3	225.1	18,400	120
125	62.6	228.0	22,900	65.3	226.3	21,800	68.0	222.4	17,900	125
130	61.3	225.2	21,300	64.0	223.5	21,500	66.7	219.6	17,500	130
135	59.9	222.3	19,800	62.7	220.6	21,000	65.3	216.5	17,100	135
140	58.6	219.2	18,400	61.3	217.5	19,500	63.9	213.4	16,700	140
145	57.2	215.9	17,100	59.9	214.2	18,200	62.5	210.0	16,300	145
150	55.8	212.5	15,900	58.5	210.7	16,900	61.1	206.5	15,900	150
155	54.4	208.8	14,800	57.1	207.1	15,800	59.6	202.7	15,600	155
160	53.0	205.0	13,800	55.6	203.2	14,700	58.1	198.8	15,200	160
165	51.5	201.0	12,800	54.2	199.2	13,600	56.6	194.7	14,400	165
170	50.0	196.8	11,900	52.6	194.9	12,700	55.1	190.3	13,400	170
175	48.5	192.3	11,000	51.1	190.4	11,800	53.5	185.6	12,500	175
180	46.9	187.6	10,200	49.5	185.6	10,900	51.8	180.7	11,600	180
185	45.3	182.6	9,400	47.9	180.5	10,100	50.1	175.5	10,700	185
190	43.6	177.3	8,700	46.2	175.2	9,300	48.4	170.0	9,900	190
195	41.9	171.7	8,000	44.4	169.5	8,600	46.6	164.2	9,100	195
200	40.1	165.7	7,400	42.6	163.5	7,900	44.7	157.9	8,400	200
205	38.3	159.4	6,700	40.7	157.0	7,200	42.8	151.2	7,700	205
210	36.3	152.5	6,100	38.8	150.1	6,600	40.7	143.9	7,000	210
215	34.3	145.2	5,600	36.7	142.6	6,000				215
220	32.1	137.3	5,000	34.5	134.5	5,400				220
225	29.8	128.6	4,500	32.1	125.6	4,900				225
230	27.3	119.0	4,000	29.6	115.7	4,300				230

# MLC250 S-1

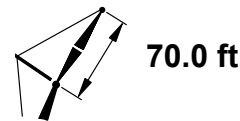
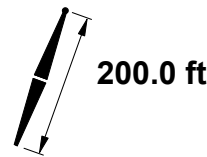
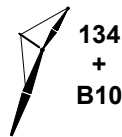
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.1	263.5	29,500							55
60	79.0	262.5	29,100							60
65	77.9	261.4	28,600	80.6	259.9	26,100				65
70	76.7	260.1	28,100	79.5	258.6	25,800				70
75	75.6	258.8	27,600	78.3	257.3	25,400				75
80	74.4	257.4	27,100	77.2	255.9	25,000	79.9	252.2	22,800	80
85	73.3	255.8	26,600	76.0	254.3	24,700	78.7	250.6	22,500	85
90	72.1	254.2	26,200	74.8	252.7	24,300	77.6	249.0	22,200	90
95	71.0	252.4	25,700	73.6	250.9	24,000	76.4	247.2	21,600	95
100	69.8	250.5	25,400	72.5	249.0	23,600	75.2	245.2	21,000	100
105	68.6	248.5	24,900	71.3	247.0	23,300	73.9	243.2	20,400	105
110	67.4	246.4	24,500	70.1	244.8	23,000	72.7	241.0	19,800	110
115	66.2	244.2	24,100	68.8	242.6	22,700	71.5	238.7	19,300	115
120	65.0	241.8	23,800	67.6	240.2	22,300	70.2	236.3	18,700	120
125	63.7	239.3	22,400	66.4	237.7	22,100	69.0	233.7	18,300	125
130	62.5	236.6	20,700	65.1	235.0	21,700	67.7	231.0	17,800	130
135	61.2	233.9	19,200	63.8	232.2	20,500	66.4	228.1	17,400	135
140	60.0	230.9	17,800	62.6	229.2	19,000	65.1	225.1	17,000	140
145	58.7	227.8	16,500	61.3	226.1	17,700	63.8	222.0	16,600	145
150	57.3	224.6	15,300	59.9	222.8	16,400	62.4	218.6	16,200	150
155	56.0	221.2	14,200	58.6	219.4	15,200	61.0	215.1	15,900	155
160	54.7	217.6	13,200	57.2	215.8	14,100	59.6	211.4	15,100	160
165	53.3	213.8	12,200	55.8	212.0	13,100	58.2	207.5	14,000	165
170	51.9	209.8	11,300	54.4	208.0	12,100	56.8	203.4	13,000	170
175	50.4	205.7	10,400	53.0	203.8	11,200	55.3	199.1	12,000	175
180	49.0	201.3	9,600	51.5	199.3	10,400	53.8	194.6	11,100	180
185	47.5	196.6	8,800	50.0	194.6	9,600	52.2	189.8	10,200	185
190	45.9	191.8	8,100	48.4	189.7	8,800	50.6	184.7	9,400	190
195	44.3	186.6	7,400	46.8	184.5	8,100	49.0	179.3	8,600	195
200	42.7	181.2	6,800	45.1	179.0	7,400	47.2	173.6	7,900	200
205	41.0	175.4	6,100	43.4	173.1	6,700	45.5	167.6	7,200	205
210	39.3	169.2	5,500	41.7	166.9	6,100	43.7	161.1	6,500	210
215	37.5	162.7	5,000	39.8	160.2	5,500	41.7	154.2	5,900	215
220	35.6	155.7	4,400	37.9	153.1	4,900				220
225				35.9	145.4	4,300				225

# MLC250 S-1

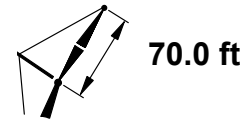
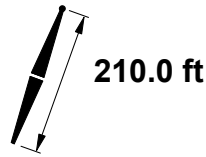
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.5	273.7	29,500							55
60	79.4	272.7	29,200							60
65	78.3	271.6	28,700	81.0	270.1	26,100				65
70	77.2	270.4	28,200	79.9	268.9	25,800				70
75	76.1	269.2	27,700	78.8	267.7	25,400				75
80	75.0	267.8	27,200	77.6	266.3	25,100	80.3	262.6	22,800	80
85	73.9	266.3	26,800	76.5	264.8	24,700	79.2	261.1	22,600	85
90	72.8	264.7	26,300	75.4	263.2	24,400	78.0	259.5	22,300	90
95	71.7	263.0	25,900	74.3	261.5	24,100	76.9	257.7	21,900	95
100	70.6	261.2	25,500	73.2	259.7	23,700	75.7	255.9	21,200	100
105	69.4	259.3	25,100	72.0	257.7	23,400	74.6	253.9	20,700	105
110	68.3	257.3	24,700	70.9	255.7	23,100	73.4	251.9	20,100	110
115	67.1	255.1	24,400	69.7	253.5	22,800	72.2	249.7	19,600	115
120	66.0	252.9	23,700	68.5	251.2	22,500	71.0	247.3	19,100	120
125	64.8	250.5	21,900	67.3	248.8	22,200	69.8	244.9	18,600	125
130	63.6	248.0	20,300	66.1	246.3	21,700	68.6	242.3	18,100	130
135	62.4	245.3	18,800	64.9	243.6	20,100	67.4	239.6	17,700	135
140	61.2	242.5	17,400	63.7	240.8	18,600	66.1	236.7	17,300	140
145	60.0	239.6	16,100	62.5	237.9	17,300	64.9	233.7	16,900	145
150	58.7	236.5	14,900	61.2	234.8	16,000	63.6	230.6	16,600	150
155	57.4	233.3	13,800	59.9	231.5	14,800	62.3	227.2	15,900	155
160	56.2	229.9	12,700	58.6	228.1	13,700	61.0	223.7	14,700	160
165	54.9	226.3	11,700	57.3	224.5	12,700	59.6	220.1	13,600	165
170	53.5	222.6	10,800	56.0	220.7	11,700	58.3	216.2	12,600	170
175	52.2	218.7	10,000	54.6	216.8	10,800	56.9	212.2	11,600	175
180	50.8	214.5	9,100	53.2	212.6	10,000	55.5	207.9	10,700	180
185	49.4	210.2	8,400	51.8	208.2	9,100	54.0	203.5	9,900	185
190	48.0	205.7	7,600	50.4	203.7	8,400	52.5	198.8	9,100	190
195	46.5	200.9	7,000	48.9	198.8	7,700	51.0	193.8	8,300	195
200	45.0	195.9	6,300	47.4	193.7	7,000	49.5	188.6	7,500	200
205	43.5	190.5	5,700	45.8	188.4	6,300	47.8	183.0	6,800	205
210	41.9	184.9	5,100	44.2	182.7	5,700	46.2	177.2	6,200	210
215	40.2	179.0	4,500	42.5	176.6	5,100	44.4	170.9	5,500	215
220	38.5	172.7	4,000	40.8	170.2	4,500	42.6	164.3	4,900	220
225							40.8	157.2	4,300	225

# MLC250 S-1

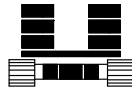
ASME B30.5



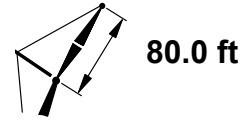
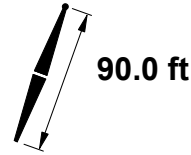
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.8	283.8	29,500							55
60	79.8	282.9	29,200							60
65	78.7	281.9	28,700							65
70	77.7	280.7	28,200	80.2	279.2	25,800				70
75	76.6	279.5	27,800	79.2	278.0	25,400				75
80	75.6	278.2	27,300	78.1	276.6	25,100	80.7	272.9	22,800	80
85	74.5	276.8	26,900	77.0	275.2	24,800	79.6	271.5	22,600	85
90	73.5	275.2	26,400	76.0	273.7	24,500	78.5	269.9	22,400	90
95	72.4	273.6	26,000	74.9	272.0	24,200	77.4	268.3	22,100	95
100	71.3	271.9	25,600	73.8	270.3	23,900	76.3	266.5	21,500	100
105	70.2	270.0	25,200	72.7	268.4	23,500	75.2	264.6	21,000	105
110	69.1	268.1	24,800	71.6	266.5	23,200	74.1	262.6	20,400	110
115	68.0	266.0	24,500	70.5	264.4	22,900	72.9	260.5	19,900	115
120	66.9	263.9	23,200	69.3	262.2	22,700	71.8	258.3	19,400	120
125	65.8	261.6	21,400	68.2	259.9	22,400	70.6	256.0	18,900	125
130	64.6	259.2	19,800	67.1	257.5	21,200	69.5	253.5	18,500	130
135	63.5	256.6	18,300	65.9	254.9	19,700	68.3	250.9	18,000	135
140	62.3	254.0	16,900	64.7	252.3	18,200	67.1	248.2	17,600	140
145	61.1	251.2	15,600	63.6	249.5	16,800	65.9	245.3	17,200	145
150	60.0	248.2	14,400	62.4	246.5	15,600	64.7	242.3	16,700	150
155	58.8	245.2	13,300	61.2	243.4	14,400	63.5	239.2	15,500	155
160	57.5	241.9	12,200	59.9	240.2	13,300	62.2	235.8	14,300	160
165	56.3	238.6	11,200	58.7	236.8	12,200	61.0	232.4	13,200	165
170	55.0	235.0	10,300	57.4	233.2	11,300	59.7	228.8	12,200	170
175	53.8	231.3	9,400	56.1	229.5	10,400	58.4	224.9	11,200	175
180	52.5	227.5	8,600	54.8	225.6	9,500	57.0	220.9	10,300	180
185	51.2	223.4	7,900	53.5	221.5	8,700	55.7	216.8	9,500	185
190	49.8	219.1	7,100	52.2	217.2	7,900	54.3	212.4	8,700	190
195	48.4	214.7	6,400	50.8	212.6	7,200	52.9	207.7	7,900	195
200	47.0	210.0	5,800	49.3	207.9	6,500	51.4	202.9	7,100	200
205	45.6	205.0	5,200	47.9	202.9	5,800	49.9	197.8	6,400	205
210	44.1	199.9	4,600	46.4	197.7	5,200	48.4	192.4	5,800	210
215	42.6	194.4	4,000	44.9	192.1	4,600	46.8	186.7	5,100	215
220				43.3	186.3	4,000	45.2	180.6	4,500	220

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ASME B30.5



149,600 lb + 0 lb

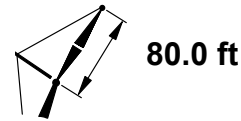
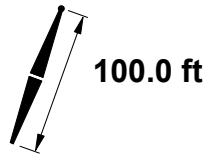


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
40	79.5	174.8	24,800							40
45	77.8	173.7	24,400							45
50	76.1	172.4	23,900	80.9	171.4	23,000				50
55	74.3	171.0	23,300	79.1	169.9	22,400				55
60	72.5	169.4	22,800	77.4	168.3	21,700				60
65	70.8	167.6	22,300	75.6	166.6	21,100	80.5	163.7	19,500	65
70	68.9	165.7	21,800	73.7	164.6	20,500	78.7	161.7	19,000	70
75	67.1	163.6	21,300	71.9	162.5	20,000	76.8	159.5	18,500	75
80	65.3	161.3	20,700	70.0	160.1	19,400	74.9	157.1	18,100	80
85	63.4	158.7	20,100	68.1	157.6	18,900	73.0	154.5	17,300	85
90	61.5	156.0	19,600	66.2	154.8	18,400	71.0	151.7	16,500	90
95	59.5	153.0	19,000	64.2	151.8	17,900	69.0	148.7	15,800	95
100	57.5	149.8	18,400	62.2	148.6	17,500	66.9	145.4	15,100	100
105	55.4	146.4	17,900	60.1	145.1	17,100	64.8	141.8	14,500	105
110	53.3	142.7	17,400	58.0	141.4	16,700	62.6	137.9	14,000	110
115	51.2	138.6	16,900	55.8	137.3	16,200	60.4	133.8	13,400	115
120	49.0	134.3	16,500	53.6	132.9	15,900	58.1	129.2	13,000	120
125	46.6	129.6	16,100	51.2	128.2	15,500	55.6	124.3	12,500	125
130	44.2	124.5	15,600	48.8	123.0	15,200	53.1	119.0	12,100	130
135	41.7	118.9	15,200	46.2	117.3	14,600	50.5	113.1	11,700	135
140	39.0	112.8	14,900	43.5	111.1	14,100	47.6	106.6	11,400	140
145	36.2	106.0	14,500	40.6	104.2	13,600	44.6	99.4	11,100	145
150	33.2	98.5	14,200	37.5	96.6	13,200	41.3	91.3	10,800	150
155	29.8	90.0	13,900	34.1	87.9	12,800				155
160	26.1	80.1	13,600	30.3	77.7	12,400				160
165	21.8	68.3	13,400							165



# MLC250 S-1

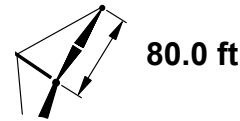
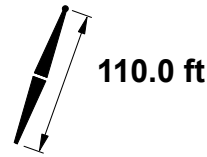
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.1		185.0							40
45	78.5		183.9							45
50	76.9		182.8							50
55	75.2		181.4							55
60	73.5		179.9							60
65	71.9		178.3							65
70	70.2		176.4							70
75	68.5		174.5							75
80	66.7		172.3							80
85	65.0		169.9							85
90	63.2		167.4							90
95	61.4		164.7							95
100	59.5		161.7							100
105	57.6		158.5							105
110	55.7		155.1							110
115	53.7		151.4							115
120	51.7		147.5							120
125	49.6		143.2							125
130	47.5		138.7							130
135	45.2		133.7							135
140	42.9		128.3							140
145	40.5		122.5							145
150	37.9		116.2							150
155	35.1		109.1							155
160	32.2		101.3							160
165	29.0		92.5							165
170	25.3		82.3							170
175	21.1		70.1							175

# MLC250 S-1

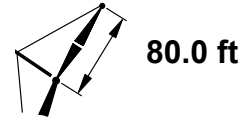
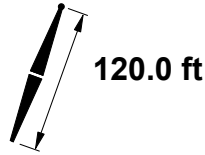
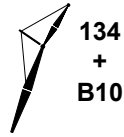
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.6	195.2	24,800							40
45	79.1	194.2	24,500							45
50	77.6	193.0	24,000							50
55	76.0	191.8	23,500	80.3	190.6	22,700				55
60	74.4	190.4	23,100	78.7	189.2	22,100				60
65	72.9	188.8	22,600	77.2	187.6	21,600				65
70	71.3	187.1	22,100	75.5	185.9	21,100	80.0	182.8	19,200	70
75	69.7	185.2	21,600	73.9	184.0	20,600	78.3	180.9	18,900	75
80	68.0	183.2	21,200	72.3	182.0	20,100	76.7	178.8	18,500	80
85	66.4	181.0	20,700	70.6	179.8	19,600	75.0	176.5	18,100	85
90	64.7	178.6	20,300	69.0	177.4	19,100	73.3	174.1	17,400	90
95	63.0	176.1	19,900	67.2	174.8	18,600	71.5	171.4	16,700	95
100	61.3	173.3	19,400	65.5	172.0	18,200	69.8	168.6	16,000	100
105	59.6	170.4	18,900	63.7	169.1	17,800	68.0	165.6	15,400	105
110	57.8	167.2	18,400	61.9	165.9	17,400	66.1	162.3	14,900	110
115	55.9	163.8	18,000	60.1	162.4	17,000	64.2	158.8	14,400	115
120	54.1	160.2	17,500	58.2	158.8	16,600	62.3	155.1	13,900	120
125	52.2	156.3	17,100	56.3	154.9	16,300	60.3	151.0	13,400	125
130	50.2	152.1	16,700	54.3	150.7	15,900	58.3	146.7	13,000	130
135	48.2	147.7	16,300	52.3	146.1	15,600	56.2	142.1	12,600	135
140	46.1	142.9	15,900	50.2	141.3	15,400	54.0	137.1	12,300	140
145	43.9	137.7	15,500	48.0	136.1	15,000	51.7	131.7	11,900	145
150	41.7	132.1	15,200	45.7	130.4	14,500	49.4	125.8	11,600	150
155	39.3	126.1	14,800	43.3	124.2	14,000	46.9	119.4	11,300	155
160	36.8	119.4	14,500	40.7	117.5	13,600	44.2	112.3	11,100	160
165	34.1	112.2	14,300	38.0	110.1	13,200	41.3	104.5	10,800	165
170	31.3	104.1	14,000	35.1	101.9	12,900				170
175	28.1	95.0	13,700	31.9	92.5	12,500				175
180	24.6	84.4	13,500	28.2	81.6	12,200				180
185	20.5	71.8	12,900							185

# MLC250 S-1

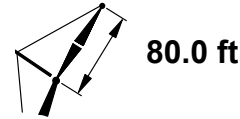
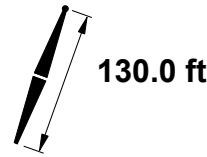
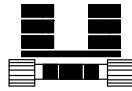
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.7	204.4	24,500							45
50	78.2	203.3	24,100							50
55	76.7	202.1	23,600	80.8	200.9	22,900				55
60	75.2	200.8	23,200	79.3	199.6	22,300				60
65	73.7	199.3	22,700	77.8	198.1	21,800				65
70	72.2	197.7	22,200	76.3	196.5	21,200	80.5	193.2	19,400	70
75	70.7	195.9	21,800	74.8	194.7	20,800	79.0	191.4	19,000	75
80	69.2	194.0	21,300	73.2	192.8	20,300	77.4	189.5	18,600	80
85	67.6	191.9	20,900	71.7	190.7	19,800	75.8	187.3	18,200	85
90	66.1	189.7	20,500	70.1	188.4	19,400	74.2	185.1	17,800	90
95	64.5	187.3	20,100	68.5	186.0	18,900	72.6	182.6	17,100	95
100	62.9	184.7	19,700	66.9	183.4	18,600	70.9	179.9	16,500	100
105	61.2	182.0	19,300	65.2	180.6	18,100	69.2	177.1	15,900	105
110	59.6	179.0	18,800	63.6	177.7	17,800	67.5	174.1	15,300	110
115	57.9	175.9	18,400	61.8	174.5	17,400	65.8	170.8	14,800	115
120	56.2	172.5	18,000	60.1	171.1	17,000	64.0	167.4	14,300	120
125	54.4	168.9	17,500	58.3	167.5	16,700	62.2	163.7	13,800	125
130	52.6	165.1	17,200	56.5	163.6	16,300	60.3	159.7	13,400	130
135	50.7	161.0	16,800	54.6	159.5	16,000	58.4	155.5	13,000	135
140	48.8	156.6	16,400	52.7	155.1	15,700	56.4	150.9	12,700	140
145	46.9	152.0	16,000	50.7	150.4	15,400	54.4	146.1	12,300	145
150	44.9	147.0	15,600	48.7	145.3	15,100	52.3	140.8	12,000	150
155	42.7	141.6	15,300	46.6	139.8	14,700	50.1	135.2	11,700	155
160	40.5	135.8	15,000	44.3	134.0	14,200	47.7	129.1	11,400	160
165	38.2	129.5	14,700	42.0	127.6	13,800	45.3	122.4	11,200	165
170	35.8	122.6	14,400	39.5	120.6	13,400	42.7	115.1	10,900	170
175	33.2	115.1	14,100	36.9	112.9	13,100	39.9	107.0	10,700	175
180	30.4	106.7	13,300	34.0	104.4	12,700				180
185	27.4	97.3	12,600	30.9	94.7	12,400				185
190	24.0	86.5	11,800							190
195	20.0	73.5	11,100							195

# MLC250 S-1

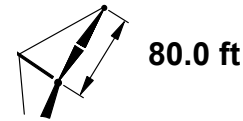
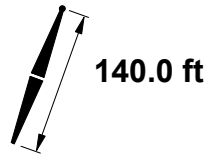
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
45	80.2	214.6	24,300						45	
50	78.8	213.6	24,000						50	
55	77.4	212.4	23,600						55	
60	76.0	211.1	23,200	79.9	209.9	22,500			60	
65	74.5	209.7	22,700	78.4	208.5	21,900			65	
70	73.1	208.2	22,300	77.0	207.0	21,400	81.0	203.7	19,400	70
75	71.7	206.5	21,800	75.5	205.3	21,000	79.5	201.9	19,100	75
80	70.2	204.7	21,400	74.1	203.5	20,500	78.1	200.1	18,700	80
85	68.8	202.8	20,900	72.6	201.5	20,100	76.6	198.1	18,400	85
90	67.3	200.7	20,500	71.1	199.4	19,700	75.0	195.9	18,000	90
95	65.8	198.4	20,100	69.6	197.1	19,200	73.5	193.6	17,500	95
100	64.3	196.0	19,700	68.1	194.7	18,800	71.9	191.1	16,900	100
105	62.7	193.4	19,400	66.5	192.0	18,500	70.4	188.5	16,300	105
110	61.2	190.6	19,000	65.0	189.3	18,000	68.8	185.6	15,700	110
115	59.6	187.7	18,600	63.4	186.3	17,700	67.1	182.6	15,200	115
120	58.0	184.5	18,300	61.8	183.1	17,400	65.5	179.4	14,700	120
125	56.3	181.2	18,000	60.1	179.8	17,000	63.8	175.9	14,200	125
130	54.7	177.7	17,500	58.4	176.2	16,700	62.1	172.2	13,800	130
135	53.0	173.9	17,100	56.7	172.4	16,300	60.3	168.3	13,400	135
140	51.2	169.9	16,800	54.9	168.3	16,000	58.5	164.2	13,000	140
145	49.4	165.6	16,400	53.1	164.0	15,700	56.6	159.7	12,700	145
150	47.6	161.0	16,100	51.2	159.4	15,500	54.7	155.0	12,400	150
155	45.7	156.1	15,800	49.3	154.5	15,200	52.7	149.9	12,100	155
160	43.7	150.9	15,400	47.3	149.2	14,800	50.7	144.5	11,800	160
165	41.6	145.3	15,200	45.2	143.5	14,400	48.5	138.6	11,500	165
170	39.5	139.3	14,500	43.1	137.4	14,000	46.3	132.2	11,300	170
175	37.3	132.8	13,700	40.8	130.8	13,700	43.9	125.3	11,000	175
180	34.9	125.7	12,800	38.4	123.6	13,300	41.4	117.8	10,800	180
185	32.4	117.9	12,100	35.8	115.7	12,500				185
190	29.7	109.3	11,300	33.1	106.8	11,800				190
195	26.7	99.7	10,700	30.0	96.9	11,000				195
200	23.4	88.5	10,000							200
205	19.5	75.2	9,300							205

# MLC250 S-1

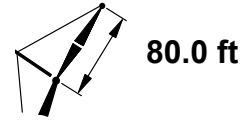
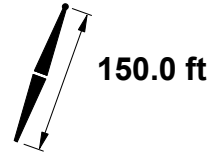
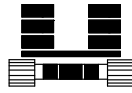
ASME B30.5



	5°			15°			25°				
	ft	o	ft	lb	ft	o	ft	lb	ft		
45	80.6		224.7	24,200						45	
50	79.3		223.8	24,000						50	
55	78.0		222.7	23,700						55	
60	76.6		221.5	23,200	80.3	220.2	22,600			60	
65	75.3		220.1	22,800	79.0	218.9	22,100			65	
70	73.9		218.7	22,300	77.6	217.4	21,600			70	
75	72.5		217.1	21,900	76.2	215.8	21,200	80.0	212.4	19,200	75
80	71.2		215.4	21,500	74.9	214.1	20,700	78.6	210.6	18,900	80
85	69.8		213.5	21,100	73.5	212.2	20,300	77.2	208.7	18,600	85
90	68.4		211.5	20,700	72.0	210.2	19,900	75.8	206.7	18,200	90
95	67.0		209.4	20,300	70.6	208.1	19,500	74.3	204.5	17,900	95
100	65.5		207.1	19,900	69.2	205.7	19,100	72.9	202.2	17,200	100
105	64.1		204.7	19,500	67.7	203.3	18,700	71.4	199.6	16,600	105
110	62.6		202.1	19,100	66.2	200.7	18,400	69.9	197.0	16,100	110
115	61.1		199.3	18,800	64.7	197.9	18,000	68.3	194.1	15,600	115
120	59.6		196.3	18,500	63.2	194.9	17,600	66.8	191.1	15,100	120
125	58.1		193.2	18,200	61.7	191.8	17,300	65.2	187.9	14,600	125
130	56.5		189.9	17,900	60.1	188.4	16,900	63.6	184.5	14,200	130
135	54.9		186.4	17,600	58.5	184.9	16,600	62.0	180.8	13,800	135
140	53.3		182.7	17,200	56.9	181.1	16,400	60.3	177.0	13,400	140
145	51.6		178.7	16,900	55.2	177.1	16,000	58.6	172.9	13,100	145
150	49.9		174.5	16,500	53.5	172.9	15,800	56.8	168.5	12,700	150
155	48.2		170.0	16,200	51.7	168.4	15,500	55.0	163.9	12,400	155
160	46.4		165.3	15,800	49.9	163.6	15,200	53.1	159.0	12,100	160
165	44.5		160.2	15,000	48.0	158.4	15,000	51.2	153.7	11,800	165
170	42.6		154.8	14,100	46.1	153.0	14,600	49.2	148.0	11,600	170
175	40.6		149.0	13,200	44.0	147.1	13,900	47.1	141.9	11,300	175
180	38.6		142.8	12,400	41.9	140.8	13,000	44.9	135.3	11,100	180
185	36.4		136.0	11,700	39.7	133.9	12,200	42.6	128.2	10,900	185
190	34.1		128.7	10,900	37.4	126.5	11,400	40.1	120.4	10,700	190
195	31.6		120.7	10,200	34.9	118.3	10,700				195
200	29.0		111.9	9,600	32.1	109.3	10,000				200
205	26.1		101.9	9,000	29.2	99.0	9,300				205
210	22.8		90.5	8,400							210
215	19.0		76.8	7,800							215

# MLC250 S-1

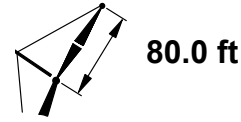
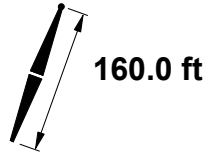
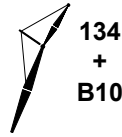
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
45	81.0	234.9	24,300						45	
50	79.8	234.0	23,900						50	
55	78.5	232.9	23,600						55	
60	77.2	231.8	23,200	80.8	230.5	22,700			60	
65	75.9	230.5	22,800	79.5	229.2	22,300			65	
70	74.6	229.1	22,400	78.2	227.8	21,800			70	
75	73.3	227.6	22,000	76.9	226.3	21,400	80.5	222.8	19,300	75
80	72.0	226.0	21,600	75.5	224.6	20,900	79.2	221.1	19,000	80
85	70.7	224.2	21,200	74.2	222.9	20,500	77.8	219.3	18,700	85
90	69.4	222.3	20,700	72.9	221.0	20,100	76.5	217.4	18,400	90
95	68.0	220.3	20,400	71.5	218.9	19,700	75.1	215.3	18,100	95
100	66.7	218.1	20,000	70.2	216.7	19,300	73.7	213.1	17,600	100
105	65.3	215.8	19,600	68.8	214.4	19,000	72.3	210.7	17,000	105
110	63.9	213.3	19,300	67.4	211.9	18,600	70.9	208.2	16,400	110
115	62.5	210.7	18,900	66.0	209.3	18,300	69.4	205.5	15,900	115
120	61.1	207.9	18,600	64.5	206.5	17,900	68.0	202.7	15,400	120
125	59.6	205.0	18,300	63.1	203.5	17,500	66.5	199.6	15,000	125
130	58.2	201.9	18,000	61.6	200.4	17,200	65.0	196.4	14,600	130
135	56.7	198.6	17,800	60.1	197.1	17,000	63.4	193.0	14,200	135
140	55.2	195.1	17,400	58.6	193.6	16,600	61.9	189.5	13,800	140
145	53.6	191.4	17,200	57.0	189.8	16,400	60.3	185.6	13,400	145
150	52.0	187.5	16,900	55.4	185.9	16,100	58.6	181.6	13,100	150
155	50.4	183.4	16,400	53.8	181.7	15,800	57.0	177.3	12,800	155
160	48.8	179.0	15,400	52.1	177.3	15,600	55.2	172.8	12,500	160
165	47.1	174.4	14,400	50.4	172.6	15,200	53.5	168.0	12,200	165
170	45.3	169.4	13,500	48.6	167.6	14,200	51.7	162.8	11,900	170
175	43.5	164.2	12,600	46.8	162.3	13,300	49.8	157.3	11,700	175
180	41.6	158.6	11,800	44.9	156.6	12,500	47.8	151.5	11,400	180
185	39.7	152.6	11,000	42.9	150.6	11,700	45.8	145.2	11,200	185
190	37.7	146.1	10,300	40.9	144.0	10,900	43.6	138.4	11,000	190
195	35.5	139.2	9,600	38.7	137.0	10,100	41.4	131.0	10,600	195
200	33.3	131.7	9,000	36.4	129.3	9,400				200
205	30.9	123.4	8,400	34.0	120.9	8,800				205
210	28.3	114.3	7,800	31.3	111.6	8,100				210
215	25.5	104.1	7,200	28.4	101.1	7,500				215
220	22.3	92.4	6,600							220
225	18.6	78.3	6,100							225

# MLC250 S-1

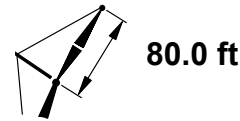
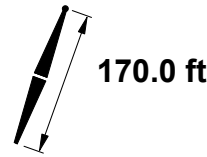
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.2	244.1	23,800							50
55	79.0	243.2	23,600							55
60	77.8	242.1	23,300							60
65	76.5	240.8	22,900	79.9	239.5	22,400				65
70	75.3	239.5	22,400	78.7	238.2	21,900				70
75	74.0	238.1	22,100	77.4	236.7	21,500	80.9	233.2	19,400	75
80	72.8	236.5	21,600	76.2	235.2	21,100	79.7	231.6	19,100	80
85	71.5	234.8	21,300	74.9	233.5	20,700	78.4	229.9	18,800	85
90	70.3	233.0	20,900	73.6	231.7	20,300	77.1	228.0	18,500	90
95	69.0	231.1	20,500	72.3	229.7	19,900	75.8	226.0	18,100	95
100	67.7	229.0	20,100	71.0	227.6	19,600	74.4	223.9	17,900	100
105	66.4	226.8	19,700	69.7	225.4	19,200	73.1	221.7	17,300	105
110	65.1	224.5	19,400	68.4	223.1	18,900	71.8	219.3	16,800	110
115	63.7	222.0	19,100	67.1	220.6	18,500	70.4	216.8	16,300	115
120	62.4	219.4	18,700	65.7	217.9	18,200	69.0	214.1	15,800	120
125	61.0	216.6	18,400	64.3	215.1	17,900	67.6	211.2	15,300	125
130	59.6	213.7	18,100	62.9	212.2	17,600	66.2	208.2	14,900	130
135	58.2	210.6	17,800	61.5	209.0	17,200	64.7	205.0	14,500	135
140	56.8	207.3	17,500	60.1	205.7	16,900	63.3	201.6	14,100	140
145	55.4	203.8	17,300	58.6	202.3	16,700	61.8	198.1	13,800	145
150	53.9	200.2	17,000	57.1	198.6	16,400	60.3	194.3	13,400	150
155	52.4	196.3	15,900	55.6	194.7	16,100	58.7	190.3	13,100	155
160	50.8	192.2	14,900	54.1	190.6	15,800	57.1	186.1	12,800	160
165	49.3	187.9	13,900	52.5	186.2	14,800	55.5	181.7	12,500	165
170	47.6	183.4	13,000	50.8	181.6	13,800	53.8	176.9	12,200	170
175	46.0	178.6	12,200	49.2	176.8	12,900	52.1	171.9	12,000	175
180	44.3	173.5	11,400	47.4	171.6	12,100	50.3	166.6	11,700	180
185	42.5	168.0	10,600	45.7	166.1	11,300	48.5	160.9	11,500	185
190	40.7	162.2	9,900	43.8	160.2	10,500	46.5	154.9	11,100	190
195	38.8	156.1	9,200	41.9	154.0	9,800	44.5	148.3	10,300	195
200	36.8	149.4	8,500	39.9	147.2	9,100	42.5	141.3	9,600	200
205	34.7	142.3	7,900	37.8	140.0	8,400	40.2	133.7	8,800	205
210	32.5	134.6	7,300	35.5	132.1	7,800				210
215	30.2	126.1	6,800	33.1	123.5	7,200				215
220	27.7	116.8	6,200	30.5	113.9	6,600				220
225	24.9	106.3	5,700							225
230	21.8	94.2	5,200							230
235	18.2	79.9	4,700							235

# MLC250 S-1

ASME B30.5

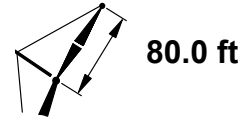
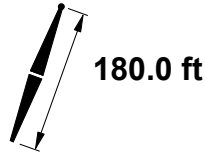
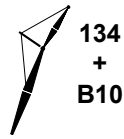


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
50	80.6	254.3	23,700							50
55	79.4	253.4	23,500							55
60	78.2	252.3	23,200							60
65	77.1	251.1	22,800	80.3	249.8	22,500				65
70	75.9	249.9	22,400	79.2	248.5	22,000				70
75	74.7	248.5	22,000	78.0	247.1	21,600				75
80	73.5	247.0	21,600	76.8	245.6	21,200	80.1	242.0	19,200	80
85	72.3	245.4	21,300	75.5	244.0	20,900	78.9	240.4	18,800	85
90	71.1	243.7	20,900	74.3	242.3	20,500	77.6	238.6	18,500	90
95	69.9	241.8	20,500	73.1	240.4	20,100	76.4	236.7	18,300	95
100	68.6	239.9	20,100	71.9	238.4	19,800	75.1	234.7	18,000	100
105	67.4	237.8	19,800	70.6	236.3	19,400	73.8	232.6	17,600	105
110	66.1	235.5	19,400	69.3	234.1	19,000	72.6	230.3	17,100	110
115	64.9	233.2	19,100	68.1	231.7	18,700	71.3	227.9	16,600	115
120	63.6	230.7	18,800	66.8	229.2	18,400	70.0	225.3	16,100	120
125	62.3	228.0	18,400	65.5	226.6	18,000	68.6	222.6	15,700	125
130	61.0	225.3	18,100	64.2	223.8	17,700	67.3	219.8	15,200	130
135	59.7	222.3	17,800	62.8	220.8	17,500	65.9	216.7	14,800	135
140	58.3	219.2	17,600	61.5	217.7	17,200	64.5	213.6	14,400	140
145	56.9	216.0	17,300	60.1	214.4	16,900	63.1	210.2	14,100	145
150	55.6	212.5	16,500	58.7	210.9	16,600	61.7	206.7	13,700	150
155	54.1	208.9	15,400	57.3	207.3	16,400	60.2	203.0	13,400	155
160	52.7	205.1	14,400	55.8	203.4	15,400	58.8	199.0	13,100	160
165	51.2	201.1	13,400	54.3	199.4	14,400	57.2	194.9	12,800	165
170	49.7	196.9	12,500	52.8	195.1	13,400	55.7	190.5	12,500	170
175	48.2	192.4	11,700	51.3	190.6	12,500	54.1	185.9	12,300	175
180	46.6	187.7	10,800	49.7	185.8	11,600	52.5	181.0	12,000	180
185	45.0	182.7	10,100	48.0	180.8	10,800	50.8	175.8	11,500	185
190	43.3	177.4	9,400	46.3	175.5	10,100	49.0	170.3	10,700	190
195	41.6	171.8	8,700	44.6	169.8	9,300	47.2	164.4	9,900	195
200	39.8	165.8	8,000	42.8	163.8	8,600	45.4	158.2	9,200	200
205	38.0	159.5	7,400	40.9	157.3	8,000	43.4	151.5	8,500	205
210	36.0	152.7	6,800	38.9	150.4	7,300	41.4	144.2	7,800	210
215	34.0	145.3	6,300	36.9	142.9	6,700	39.2	136.4	7,100	215
220	31.8	137.4	5,700	34.7	134.8	6,200				220
225	29.6	128.7	5,200	32.3	126.0	5,600				225
230	27.1	119.1	4,700	29.8	116.1	5,100				230
235	24.4	108.4	4,200							235



# MLC250 S-1

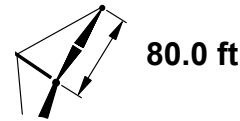
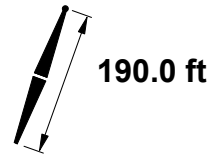
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	81.0	264.5	23,700							50
55	79.8	263.6	23,400							55
60	78.7	262.5	23,100							60
65	77.6	261.4	22,800	80.7	260.1	22,500				65
70	76.4	260.2	22,500	79.6	258.8	22,100				70
75	75.3	258.9	22,100	78.4	257.5	21,700				75
80	74.2	257.4	21,700	77.3	256.1	21,300	80.5	252.4	19,200	80
85	73.0	255.9	21,300	76.1	254.5	21,000	79.3	250.8	18,900	85
90	71.8	254.3	20,900	75.0	252.9	20,600	78.1	249.1	18,600	90
95	70.7	252.5	20,600	73.8	251.1	20,200	76.9	247.3	18,400	95
100	69.5	250.6	20,200	72.6	249.2	19,900	75.7	245.4	18,200	100
105	68.3	248.6	19,900	71.4	247.2	19,500	74.5	243.4	17,900	105
110	67.1	246.5	19,500	70.2	245.0	19,300	73.3	241.2	17,400	110
115	65.9	244.2	19,200	69.0	242.8	18,900	72.1	238.9	16,900	115
120	64.7	241.9	18,900	67.8	240.4	18,600	70.8	236.5	16,400	120
125	63.5	239.4	18,600	66.5	237.9	18,300	69.6	233.9	16,000	125
130	62.2	236.7	18,300	65.3	235.2	18,000	68.3	231.2	15,500	130
135	61.0	233.9	18,000	64.0	232.4	17,700	67.0	228.3	15,100	135
140	59.7	231.0	17,800	62.7	229.4	17,400	65.7	225.3	14,800	140
145	58.4	227.9	17,300	61.4	226.3	17,200	64.3	222.1	14,400	145
150	57.1	224.7	16,100	60.1	223.1	16,900	63.0	218.8	14,000	150
155	55.7	221.2	15,000	58.7	219.6	16,100	61.6	215.3	13,700	155
160	54.4	217.7	13,900	57.4	216.0	15,000	60.2	211.6	13,400	160
165	53.0	213.9	13,000	56.0	212.2	14,000	58.8	207.7	13,100	165
170	51.6	209.9	12,100	54.6	208.2	13,000	57.4	203.6	12,800	170
175	50.2	205.8	11,200	53.1	204.0	12,100	55.9	199.3	12,600	175
180	48.7	201.4	10,400	51.6	199.6	11,200	54.4	194.8	12,000	180
185	47.2	196.7	9,600	50.1	194.9	10,400	52.8	190.0	11,200	185
190	45.6	191.9	8,900	48.6	190.0	9,700	51.2	184.9	10,400	190
195	44.1	186.7	8,200	47.0	184.8	8,900	49.6	179.6	9,600	195
200	42.4	181.3	7,600	45.3	179.3	8,200	47.9	173.9	8,900	200
205	40.8	175.5	7,000	43.6	173.4	7,600	46.1	167.8	8,100	205
210	39.0	169.3	6,400	41.8	167.2	7,000	44.3	161.4	7,500	210
215	37.2	162.8	5,800	40.0	160.6	6,400	42.4	154.5	6,800	215
220	35.3	155.8	5,300	38.1	153.4	5,800	40.3	147.1	6,200	220
225	33.3	148.3	4,800	36.1	145.8	5,200				225
230	31.2	140.1	4,300	33.9	137.5	4,700				230
235				31.6	128.4	4,200				235

# MLC250 S-1

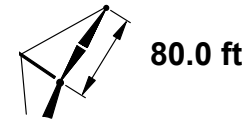
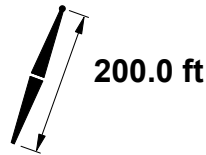
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
55	80.2	273.7	23,200							55
60	79.1	272.8	23,000							60
65	78.0	271.7	23,000							65
70	77.0	270.5	22,400	80.0	269.1	22,200				70
75	75.9	269.2	22,100	78.9	267.8	21,800				75
80	74.8	267.9	21,700	77.8	266.5	21,400	80.9	262.7	19,300	80
85	73.7	266.4	21,300	76.7	265.0	21,000	79.7	261.2	19,000	85
90	72.5	264.8	21,000	75.5	263.4	20,700	78.6	259.6	18,700	90
95	71.4	263.1	20,600	74.4	261.7	20,300	77.5	257.9	18,400	95
100	70.3	261.3	20,300	73.3	259.9	20,000	76.3	256.0	18,300	100
105	69.2	259.4	19,900	72.1	257.9	19,700	75.2	254.1	18,000	105
110	68.0	257.4	19,600	71.0	255.9	19,400	74.0	252.0	17,700	110
115	66.9	255.2	19,300	69.8	253.7	19,100	72.8	249.8	17,200	115
120	65.7	252.9	18,900	68.7	251.5	18,800	71.6	247.5	16,700	120
125	64.5	250.6	18,600	67.5	249.0	18,500	70.4	245.0	16,300	125
130	63.3	248.0	18,400	66.3	246.5	18,200	69.2	242.5	15,800	130
135	62.1	245.4	18,100	65.1	243.8	17,900	68.0	239.7	15,400	135
140	60.9	242.6	17,800	63.8	241.0	17,600	66.7	236.9	15,100	140
145	59.7	239.7	16,700	62.6	238.1	17,400	65.5	233.9	14,700	145
150	58.4	236.6	15,500	61.4	235.0	16,700	64.2	230.7	14,300	150
155	57.2	233.3	14,400	60.1	231.7	15,600	62.9	227.4	14,000	155
160	55.9	230.0	13,300	58.8	228.3	14,500	61.6	223.9	13,700	160
165	54.6	226.4	12,400	57.5	224.7	13,400	60.2	220.3	13,400	165
170	53.3	222.7	11,500	56.1	221.0	12,500	58.9	216.4	13,100	170
175	51.9	218.7	10,600	54.8	217.0	11,600	57.5	212.4	12,500	175
180	50.5	214.6	9,800	53.4	212.9	10,700	56.1	208.1	11,600	180
185	49.1	210.3	9,000	52.0	208.5	9,900	54.6	203.7	10,700	185
190	47.7	205.8	8,300	50.5	203.9	9,100	53.1	199.0	9,900	190
195	46.2	201.0	7,600	49.1	199.1	8,400	51.6	194.0	9,100	195
200	44.7	195.9	7,000	47.5	194.0	7,700	50.0	188.8	8,400	200
205	43.2	190.6	6,400	46.0	188.6	7,000	48.4	183.3	7,700	205
210	41.6	185.0	5,800	44.4	183.0	6,400	46.8	177.4	7,000	210
215	39.9	179.1	5,200	42.7	176.9	5,800	45.0	171.2	6,400	215
220	38.2	172.8	4,700	41.0	170.5	5,200	43.2	164.6	5,700	220
225	36.5	166.1	4,200	39.2	163.7	4,700	41.4	157.5	5,100	225
230				37.3	156.4	4,200	39.4	149.9	4,600	230

# MLC250 S-1

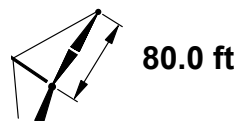
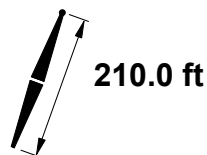
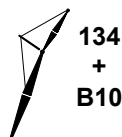
ASME B30.5



	5°			15°			25°			
	ft	o	lb	ft	o	lb	ft	o	lb	
55	80.6	283.9	23,300							55
60	79.5	283.0	22,900							60
65	78.5	281.9	22,700							65
70	77.4	280.8	22,400	80.3	279.4	22,200				70
75	76.4	279.6	22,100	79.3	278.2	21,800				75
80	75.3	278.2	21,700	78.2	276.8	21,500				80
85	74.3	276.8	21,400	77.2	275.4	21,100	80.1	271.6	19,100	85
90	73.2	275.3	21,000	76.1	273.9	20,800	79.0	270.1	18,800	90
95	72.1	273.7	20,700	75.0	272.2	20,500	77.9	268.4	18,500	95
100	71.0	271.9	20,300	73.9	270.5	20,200	76.8	266.6	18,300	100
105	69.9	270.1	20,000	72.8	268.6	19,800	75.7	264.8	18,000	105
110	68.8	268.2	19,700	71.7	266.7	19,500	74.6	262.8	17,800	110
115	67.7	266.1	19,400	70.6	264.6	19,300	73.5	260.7	17,500	115
120	66.6	263.9	19,000	69.5	262.4	19,000	72.3	258.4	17,000	120
125	65.5	261.6	18,700	68.3	260.1	18,600	71.2	256.1	16,500	125
130	64.4	259.2	18,400	67.2	257.7	18,400	70.0	253.6	16,100	130
135	63.2	256.7	18,200	66.0	255.2	18,100	68.8	251.0	15,700	135
140	62.1	254.0	17,500	64.9	252.5	17,900	67.7	248.3	15,400	140
145	60.9	251.2	16,200	63.7	249.7	17,600	66.5	245.5	15,000	145
150	59.7	248.3	15,000	62.5	246.7	16,300	65.2	242.5	14,600	150
155	58.5	245.2	13,900	61.3	243.6	15,100	64.0	239.3	14,300	155
160	57.3	242.0	12,900	60.1	240.4	14,000	62.8	236.0	14,000	160
165	56.0	238.7	11,900	58.8	237.0	13,000	61.5	232.5	13,700	165
170	54.8	235.1	11,000	57.6	233.4	12,100	60.2	228.9	13,100	170
175	53.5	231.4	10,100	56.3	229.7	11,100	58.9	225.1	12,100	175
180	52.2	227.5	9,300	55.0	225.8	10,300	57.6	221.1	11,200	180
185	50.9	223.5	8,600	53.7	221.7	9,500	56.2	216.9	10,400	185
190	49.6	219.2	7,800	52.3	217.4	8,700	54.8	212.5	9,500	190
195	48.2	214.8	7,200	50.9	212.9	8,000	53.4	207.9	8,800	195
200	46.8	210.1	6,500	49.5	208.2	7,300	52.0	203.1	8,000	200
205	45.4	205.1	5,900	48.0	203.2	6,600	50.5	198.0	7,300	205
210	43.9	199.9	5,300	46.6	197.9	6,000	48.9	192.6	6,600	210
215	42.4	194.5	4,700	45.0	192.4	5,400	47.4	186.9	6,000	215
220	40.8	188.7	4,200	43.4	186.6	4,800	45.7	180.9	5,400	220
225				41.8	180.4	4,300	44.0	174.5	4,800	225
230							42.3	167.7	4,200	230

# MLC250 S-1

ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
55	80.9	294.0	23,100							55
60	79.9	293.1	22,800							60
65	78.9	292.1	22,600							65
70	77.9	291.1	22,300	80.7	289.6	22,200				70
75	76.9	289.9	22,000	79.7	288.4	21,900				75
80	75.8	288.6	21,700	78.6	287.2	21,500				80
85	74.8	287.2	21,300	77.6	285.8	21,200	80.5	282.0	19,100	85
90	73.8	285.8	21,000	76.6	284.3	20,900	79.4	280.5	18,900	90
95	72.8	284.2	20,600	75.5	282.7	20,600	78.4	278.9	18,600	95
100	71.7	282.5	20,300	74.5	281.1	20,200	77.3	277.2	18,400	100
105	70.7	280.8	20,000	73.4	279.3	20,000	76.3	275.4	18,100	105
110	69.6	278.9	19,700	72.4	277.4	19,700	75.2	273.5	17,900	110
115	68.5	276.9	19,300	71.3	275.4	19,400	74.1	271.4	17,700	115
120	67.5	274.8	19,000	70.2	273.3	19,100	73.0	269.3	17,300	120
125	66.4	272.7	18,700	69.2	271.1	18,900	71.9	267.1	16,800	125
130	65.3	270.3	18,400	68.1	268.8	18,500	70.8	264.7	16,400	130
135	64.2	267.9	18,100	67.0	266.4	18,200	69.7	262.2	16,000	135
140	63.1	265.4	17,000	65.8	263.8	18,000	68.5	259.6	15,600	140
145	62.0	262.7	15,700	64.7	261.1	17,100	67.4	256.9	15,300	145
150	60.9	259.9	14,500	63.6	258.3	15,900	66.2	254.0	14,900	150
155	59.7	257.0	13,400	62.4	255.4	14,700	65.1	251.0	14,600	155
160	58.5	253.9	12,400	61.3	252.3	13,600	63.9	247.9	14,300	160
165	57.4	250.7	11,400	60.1	249.0	12,600	62.7	244.6	13,700	165
170	56.2	247.3	10,500	58.9	245.7	11,600	61.4	241.2	12,700	170
175	55.0	243.8	9,600	57.7	242.1	10,700	60.2	237.6	11,700	175
180	53.8	240.2	8,800	56.4	238.4	9,800	58.9	233.8	10,800	180
185	52.5	236.3	8,000	55.2	234.6	9,000	57.7	229.9	9,900	185
190	51.2	232.3	7,300	53.9	230.5	8,200	56.4	225.7	9,100	190
195	50.0	228.1	6,600	52.6	226.3	7,500	55.0	221.4	8,400	195
200	48.6	223.7	6,000	51.3	221.8	6,800	53.7	216.8	7,600	200
205	47.3	219.1	5,400	49.9	217.2	6,200	52.3	212.1	6,900	205
210	45.9	214.3	4,800	48.5	212.3	5,500	50.9	207.1	6,200	210
215	44.5	209.2	4,200	47.1	207.2	4,900	49.4	201.8	5,600	215
220				45.6	201.8	4,400	47.9	196.3	5,000	220
225							46.4	190.4	4,400	225