

# Liftcrane Jib Capacities

Jib No. 134 on  
 Boom No. B10:82A  
 219,600 lb Crane Counterweight  
 80,000 lb Carbody Counterweight  
 360 Degree Rating

## MLC250 SERIES 3



**LIFTING CAPACITIES:** Chart supplements Boom Capacity chart **No. 9892-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**

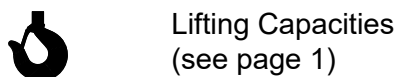
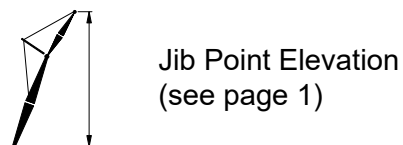
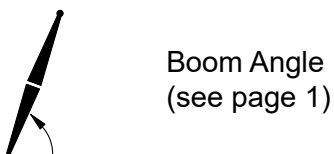
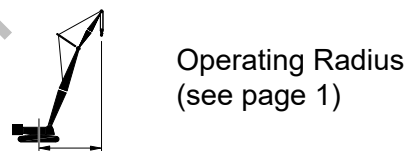
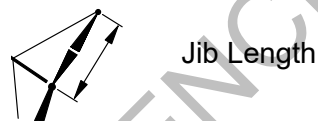
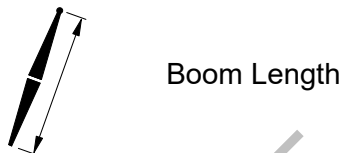
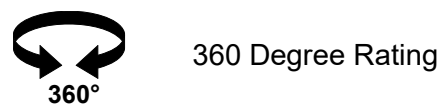
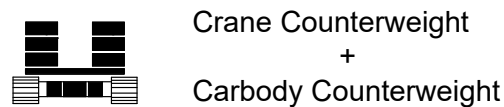
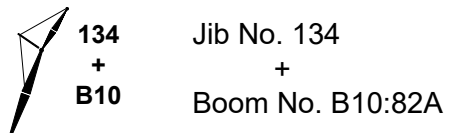
Over End or Side of Crawlers							
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Jib No. 134					
		30.0 ft	40.0 ft	50.0 ft	60.0 ft	70.0 ft	80.0 ft
		Block Weight (lb)					
90.0 - 150.0	8	13,000	13,000	13,000	13,000	13,000	10,700
160.0	8	13,000	13,000	13,000	13,000	11,700	10,500
170.0	8	13,000	13,000	13,000	11,800	11,000	8,500
180.0	8	13,000	12,000	10,800	9,700	8,900	6,600
190.0	8	10,600	9,600	8,500	7,500	6,900	5,900
200.0	8	8,300	7,400	6,500	5,600	5,000	4,200
210.0	8	6,000	6,000	5,600	4,700	4,200	4,100
220.0	8	4,000	4,000	4,000	4,000	4,000	3,500
230.0	8	4,000	4,000	3,300	#	#	#
240.0	8	#	#	#	#	#	#
250.0	2	#	#	#	#	#	#
260.0	2	#	#	#	#	#	#
270.0	2	Raising Not Permitted					

**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 - 150.0	8	13,000	13,000	13,000	13,000	13,000	10,700
160.0	8	13,000	13,000	13,000	13,000	11,700	10,500
170.0	8	13,000	13,000	13,000	11,800	11,000	8,500
180.0	8	13,000	12,000	10,800	9,700	8,900	6,600
190.0	8	10,600	9,600	8,500	7,500	6,900	5,900
200.0	8	8,300	7,400	6,500	5,600	5,000	4,200
210.0	8	6,000	6,000	5,600	4,700	4,200	4,100
220.0	8	4,000	4,000	4,000	4,000	4,000	4,000
230.0	8	4,000	4,000	4,000	4,000	4,000	4,000
240.0	8	4,000	4,000	4,000	4,000	4,000	3,700
250.0	2	4,000	4,000	4,000	4,000	3,400	#
260.0	2	4,000	3,400	#	#	#	#
270.0	2	#	Raising Not Permitted				

**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.

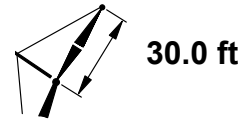
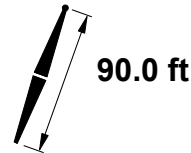
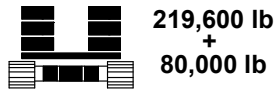
## Explanation of Symbols



REFERENCE ONLY!

# MLC250 S-3

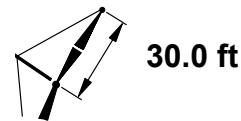
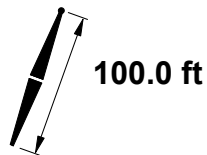
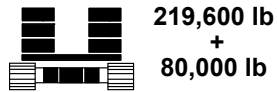
ASME B30.5



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	53,500	51.7	96.7	46,900	53.7	94.5	33,100	80
85	49.4	97.6	52,800	48.4	91.9	44,800	50.3	89.5	32,100	85
90	46.1	92.9	51,500	44.8	86.5	43,100	46.7	84.0	31,300	90
95	42.6	87.6	48,800	41.0	80.3	41,400	42.7	77.6	30,500	95
100	38.9	81.5	46,300	36.9	73.2	40,000				100
105	34.8	74.5	44,200	32.1	64.8	38,700				105
110	30.2	66.3	42,200							110
115	24.8	56.2	40,500							115

# MLC250 S-3

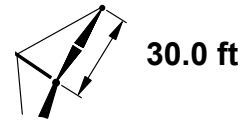
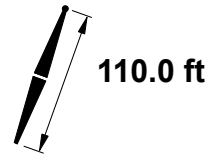
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
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	55,200	60.7	116.9	53,400	62.8	114.9	36,600	75
80	55.9	114.4	54,400	58.1	113.5	51,800	60.1	111.4	35,300	80
85	53.1	110.7	53,600	55.3	109.7	49,500	57.2	107.6	34,200	85
90	50.3	106.5	52,900	52.4	105.6	47,300	54.3	103.3	33,200	90
95	47.3	102.0	52,200	49.4	101.0	45,400	51.2	98.6	32,300	95
100	44.2	96.9	49,900	46.2	95.8	43,700	48.0	93.4	31,500	100
105	40.8	91.3	47,600	42.8	90.1	42,100	44.5	87.4	30,800	105
110	37.3	84.8	45,400	39.2	83.6	40,800				110
115	33.3	77.5	43,500	35.2	76.1	39,500				115
120	28.9	68.8	41,800	30.7	67.2	38,400				120
125	23.7	58.2	40,300							125

# MLC250 S-3

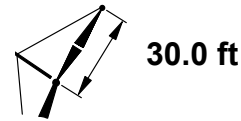
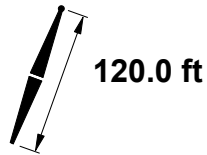
ASME B30.5



	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	56,000	63.1	128.6	53,900	65.0	126.6	37,700	75
80	58.7	126.4	55,100	60.7	125.5	53,300	62.6	123.5	36,500	80
85	56.2	123.1	54,400	58.2	122.2	51,900	60.1	120.1	35,300	85
90	53.7	119.4	53,600	55.6	118.5	49,800	57.5	116.3	34,300	90
95	51.0	115.4	52,900	53.0	114.4	47,800	54.8	112.2	33,400	95
100	48.3	111.0	52,300	50.3	110.0	45,900	51.9	107.7	32,500	100
105	45.5	106.2	51,000	47.4	105.1	44,300	49.0	102.6	31,800	105
110	42.5	100.8	48,600	44.3	99.6	42,800	45.9	97.0	31,100	110
115	39.3	94.8	45,600	41.1	93.6	41,500	42.5	90.8	30,500	115
120	35.8	88.0	42,800	37.6	86.7	40,200				120
125	32.0	80.3	40,300	33.8	78.8	39,100				125
130	27.8	71.2	38,000							130
135	22.8	60.1	35,100							135

# MLC250 S-3

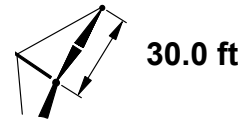
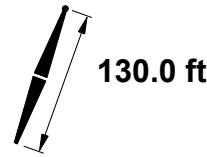
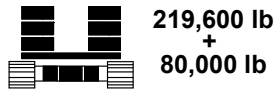
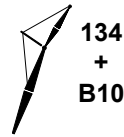
ASME B30.5



	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	56,700	65.1	140.0	54,300	66.9	138.0	38,700	75
80	61.0	138.1	55,900	62.9	137.2	53,700	64.7	135.2	37,500	80
85	58.7	135.1	55,000	60.6	134.2	53,200	62.4	132.1	36,400	85
90	56.5	131.8	54,200	58.3	130.8	52,000	60.1	128.7	35,300	90
95	54.1	128.2	53,600	56.0	127.2	50,100	57.6	125.0	34,400	95
100	51.7	124.3	53,000	53.5	123.3	48,100	55.2	121.0	33,500	100
105	49.2	120.0	51,700	51.0	118.9	46,400	52.6	116.6	32,700	105
110	46.5	115.3	48,300	48.3	114.2	44,800	49.9	111.8	32,000	110
115	43.8	110.2	45,300	45.6	109.0	43,400	47.0	106.5	31,300	115
120	40.9	104.5	42,600	42.6	103.3	42,100	44.0	100.5	30,800	120
125	37.8	98.2	40,000	39.5	96.9	40,300				125
130	34.5	91.1	37,700	36.2	89.7	38,000				130
135	30.9	83.0	35,600	32.5	81.5	35,800				135
140	26.8	73.6	33,600							140
145	22.0	62.0	30,700							145

# MLC250 S-3

ASME B30.5

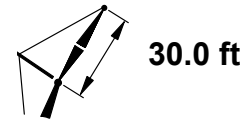
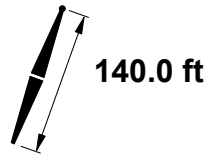
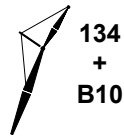


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
35	80.1	165.3	59,000							35
40	78.3	164.3	59,000	80.2	163.5	59,000				40
45	76.4	163.1	59,000	78.3	162.3	59,000	80.2	160.5	49,900	45
50	74.6	161.7	59,000	76.4	160.9	58,400	78.3	159.1	47,800	50
55	72.7	160.2	59,000	74.6	159.3	57,500	76.4	157.5	45,900	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	57,200	66.8	151.2	54,700	68.5	149.2	39,700	75
80	63.0	149.5	56,400	64.8	148.6	54,100	66.5	146.6	38,500	80
85	60.9	146.7	55,600	62.7	145.8	53,500	64.4	143.8	37,300	85
90	58.8	143.7	54,900	60.6	142.8	53,100	62.2	140.7	36,300	90
95	56.7	140.5	54,200	58.4	139.5	52,100	60.1	137.4	35,300	95
100	54.5	136.9	53,500	56.2	136.0	50,300	57.8	133.8	34,400	100
105	52.2	133.1	51,300	54.0	132.1	48,500	55.5	129.8	33,600	105
110	49.9	128.9	47,900	51.6	127.9	46,800	53.1	125.5	32,900	110
115	47.5	124.4	44,900	49.2	123.3	45,300	50.6	120.9	32,200	115
120	45.0	119.4	42,200	46.6	118.3	42,600	48.0	115.7	31,500	120
125	42.3	114.0	39,600	43.9	112.8	40,000	45.3	110.1	31,000	125
130	39.5	108.1	37,300	41.1	106.8	37,600	42.4	103.9	30,500	130
135	36.6	101.5	35,200	38.1	100.1	35,500				135
140	33.4	94.1	33,200	34.9	92.6	33,400				140
145	29.9	85.6	31,400	31.3	84.0	31,600				145
150	25.9	75.8	29,700							150
155	21.3	63.9	26,600							155



# MLC250 S-3

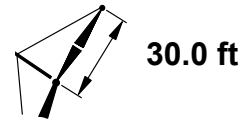
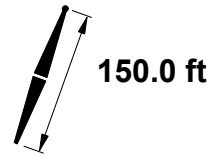
ASME B30.5



	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	58,700	70.1	164.4	55,600	71.8	162.5	42,000	70
75	66.5	163.1	57,800	68.3	162.2	55,000	69.9	160.3	40,600	75
80	64.7	160.7	56,900	66.4	159.9	54,500	68.0	157.9	39,400	80
85	62.8	158.2	56,100	64.5	157.3	53,900	66.1	155.3	38,300	85
90	60.9	155.4	55,400	62.5	154.5	53,400	64.1	152.4	37,200	90
95	58.9	152.4	54,700	60.6	151.5	52,900	62.1	149.4	36,200	95
100	56.9	149.2	54,000	58.5	148.2	52,200	60.1	146.0	35,300	100
105	54.8	145.7	50,900	56.5	144.7	50,400	58.0	142.5	34,500	105
110	52.7	141.9	47,600	54.3	140.9	48,100	55.8	138.6	33,700	110
115	50.5	137.8	44,600	52.1	136.8	45,100	53.6	134.4	33,000	115
120	48.3	133.4	41,800	49.9	132.3	42,300	51.2	129.9	32,300	120
125	46.0	128.6	39,300	47.5	127.5	39,700	48.8	124.9	31,700	125
130	43.5	123.4	37,000	45.1	122.2	37,400	46.3	119.6	31,200	130
135	41.0	117.7	34,900	42.5	116.5	35,200	43.7	113.7	30,700	135
140	38.3	111.5	32,900	39.8	110.2	33,200				140
145	35.4	104.6	31,100	36.9	103.2	31,300				145
150	32.3	96.9	29,400	33.7	95.4	29,600				150
155	28.9	88.2	27,800							155
160	25.1	78.0	25,800							160
165	20.6	65.6	23,100							165

# MLC250 S-3

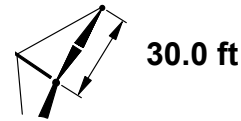
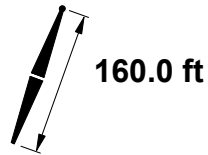
ASME B30.5



ft	5°			15°			25°			ft
	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	59,000	71.3	175.2	55,900	72.9	173.2	42,800	70
75	67.9	174.0	58,200	69.5	173.1	55,200	71.1	171.2	41,500	75
80	66.2	171.8	57,400	67.8	170.9	54,700	69.4	168.9	40,300	80
85	64.4	169.4	56,600	66.0	168.5	54,100	67.6	166.5	39,100	85
90	62.6	166.8	55,900	64.2	165.9	53,600	65.7	163.9	38,100	90
95	60.8	164.1	55,100	62.4	163.1	53,200	63.9	161.1	37,100	95
100	59.0	161.1	54,100	60.5	160.1	52,800	62.0	158.0	36,200	100
105	57.1	157.8	50,300	58.6	156.9	51,000	60.1	154.7	35,300	105
110	55.1	154.4	47,000	56.7	153.4	47,600	58.1	151.2	34,500	110
115	53.1	150.7	44,000	54.7	149.6	44,500	56.0	147.4	33,800	115
120	51.1	146.7	41,200	52.6	145.6	41,700	54.0	143.3	33,100	120
125	49.0	142.3	38,700	50.5	141.3	39,200	51.8	138.8	32,500	125
130	46.8	137.7	36,400	48.3	136.6	36,800	49.6	134.1	31,900	130
135	44.6	132.7	34,300	46.0	131.5	34,700	47.2	128.9	31,400	135
140	42.2	127.2	32,300	43.7	126.0	32,700	44.8	123.3	30,900	140
145	39.8	121.3	30,500	41.2	120.0	30,800	42.3	117.1	30,500	145
150	37.1	114.8	28,800	38.5	113.5	29,100				150
155	34.4	107.7	27,200	35.7	106.2	27,400				155
160	31.4	99.7	25,700	32.7	98.1	25,900				160
165	28.1	90.6	24,300							165
170	24.4	80.1	22,000							170
175	20.0	67.3	19,500							175

# MLC250 S-3

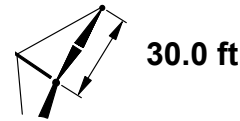
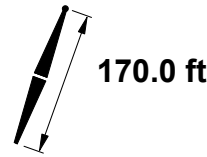
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.2		194.9	59,000						40
45	78.6		193.9	59,000	80.2		193.1	59,000		45
50	77.1		192.8	59,000	78.6		191.9	58,700	80.2	50
55	75.5		191.5	59,000	77.1		190.6	57,900	78.7	55
60	73.9		190.0	59,000	75.5		189.2	57,300	77.1	60
65	72.4		188.5	59,000	73.9		187.6	56,600	75.5	65
70	70.8		186.7	59,000	72.3		185.9	56,000	73.8	70
75	69.2		184.8	58,500	70.7		183.9	55,400	72.2	75
80	67.5		182.7	57,800	69.1		181.9	54,900	70.5	80
85	65.9		180.5	57,000	67.4		179.6	54,300	68.9	85
90	64.2		178.1	56,300	65.7		177.2	53,900	67.2	90
95	62.5		175.5	55,600	64.0		174.6	53,500	65.4	95
100	60.8		172.7	53,700	62.3		171.8	53,000	63.7	100
105	59.0		169.7	50,000	60.5		168.8	50,600	61.9	105
110	57.2		166.5	46,600	58.7		165.6	47,300	60.0	110
115	55.4		163.1	43,600	56.9		162.1	44,200	58.2	115
120	53.5		159.4	40,900	55.0		158.4	41,400	56.3	120
125	51.6		155.5	38,300	53.0		154.4	38,800	54.3	125
130	49.6		151.3	36,000	51.1		150.2	36,500	52.3	130
135	47.6		146.7	33,900	49.0		145.6	34,300	50.2	135
140	45.5		141.9	31,900	46.9		140.7	32,300	48.0	140
145	43.3		136.6	30,100	44.7		135.4	30,500	45.8	145
150	41.0		131.0	28,400	42.4		129.7	28,700	43.4	150
155	38.6		124.8	26,800	40.0		123.5	27,100		155
160	36.1		118.1	25,400	37.4		116.7	25,600		160
165	33.4		110.6	24,000	34.7		109.1	24,200		165
170	30.5		102.4	22,700	31.7		100.7	22,800		170
175	27.3		93.0	21,000						175
180	23.7		82.2	18,800						180

# MLC250 S-3

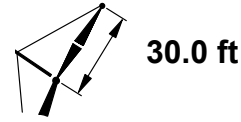
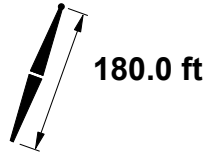
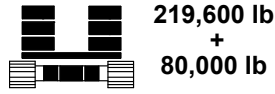
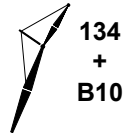
ASME B30.5



ft	5°			15°			25°			ft
	o	ft	lb	o	ft	lb	o	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	80.7	200.3	50,500	50
55	76.3	201.8	59,000	77.7	201.0	57,900	79.2	199.1	48,800	55
60	74.8	200.5	59,000	76.3	199.6	57,300	77.7	197.7	47,200	60
65	73.3	199.0	59,000	74.8	198.1	56,700	76.2	196.2	45,700	65
70	71.8	197.3	59,000	73.2	196.5	56,100	74.7	194.5	44,300	70
75	70.2	195.5	58,700	71.7	194.7	55,600	73.1	192.7	43,000	75
80	68.7	193.6	58,000	70.2	192.7	55,000	71.6	190.7	41,800	80
85	67.2	191.5	57,200	68.6	190.6	54,500	70.0	188.6	40,700	85
90	65.6	189.2	56,600	67.0	188.3	54,100	68.4	186.3	39,600	90
95	64.0	186.8	55,900	65.4	185.9	53,600	66.8	183.8	38,700	95
100	62.4	184.2	53,200	63.8	183.2	53,200	65.1	181.2	37,700	100
105	60.7	181.4	49,500	62.2	180.4	50,200	63.5	178.3	36,900	105
110	59.1	178.4	46,200	60.5	177.4	46,800	61.8	175.3	36,100	110
115	57.4	175.2	43,200	58.8	174.2	43,800	60.0	172.0	35,300	115
120	55.6	171.8	40,400	57.0	170.8	41,000	58.3	168.6	34,600	120
125	53.9	168.2	37,900	55.2	167.2	38,400	56.5	164.9	34,000	125
130	52.1	164.3	35,600	53.4	163.3	36,100	54.6	160.9	33,300	130
135	50.2	160.2	33,500	51.5	159.1	33,900	52.7	156.7	32,800	135
140	48.3	155.7	31,500	49.6	154.6	31,900	50.8	152.1	32,200	140
145	46.3	151.0	29,700	47.6	149.9	30,000	48.7	147.3	30,400	145
150	44.3	145.9	28,000	45.6	144.7	28,300	46.6	142.0	28,600	150
155	42.1	140.5	26,400	43.4	139.2	26,700	44.5	136.4	27,000	155
160	39.9	134.6	24,900	41.2	133.3	25,200	42.2	130.3	25,400	160
165	37.6	128.2	23,500	38.8	126.8	23,800				165
170	35.1	121.2	22,200	36.4	119.7	22,500				170
175	32.5	113.5	21,000	33.7	112.0	21,200				175
180	29.7	105.0	19,700	30.8	103.3	20,000				180
185	26.6	95.3	17,800							185
190	23.1	84.2	15,800							190

# MLC250 S-3

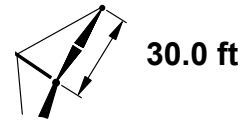
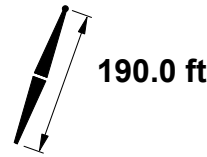
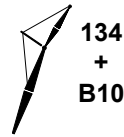
ASME B30.5



	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	59,000	74.1	207.0	56,200	75.5	205.1	45,000	70
75	71.2	206.2	58,900	72.6	205.3	55,600	74.0	203.3	43,700	75
80	69.8	204.3	58,100	71.2	203.4	55,200	72.5	201.5	42,500	80
85	68.3	202.3	57,400	69.7	201.4	54,600	71.0	199.4	41,400	85
90	66.8	200.2	56,800	68.2	199.3	54,200	69.5	197.3	40,400	90
95	65.3	197.9	56,100	66.7	197.0	53,700	68.0	195.0	39,400	95
100	63.8	195.5	52,800	65.2	194.5	53,300	66.5	192.5	38,500	100
105	62.3	192.8	49,100	63.6	191.9	49,900	64.9	189.8	37,600	105
110	60.7	190.0	45,800	62.0	189.1	46,500	63.3	187.0	36,800	110
115	59.1	187.1	42,800	60.5	186.1	43,400	61.7	183.9	36,000	115
120	57.5	183.9	40,000	58.8	182.9	40,600	60.0	180.7	35,300	120
125	55.8	180.5	37,500	57.2	179.5	38,100	58.4	177.2	34,700	125
130	54.2	176.9	35,200	55.5	175.9	35,700	56.7	173.6	34,000	130
135	52.5	173.1	33,100	53.8	172.0	33,500	54.9	169.7	33,400	135
140	50.7	169.0	31,100	52.0	168.0	31,500	53.1	165.5	31,900	140
145	48.9	164.7	29,300	50.2	163.6	29,700	51.3	161.1	30,000	145
150	47.0	160.1	27,600	48.3	158.9	28,000	49.4	156.4	28,300	150
155	45.1	155.1	26,000	46.4	154.0	26,400	47.4	151.3	26,700	155
160	43.1	149.9	24,500	44.4	148.6	24,900	45.3	145.9	25,100	160
165	41.1	144.2	23,100	42.3	142.9	23,400	43.2	140.0	23,700	165
170	38.9	138.1	21,900	40.1	136.7	22,100				170
175	36.6	131.5	20,600	37.8	130.0	20,900				175
180	34.3	124.3	19,500	35.4	122.8	19,700				180
185	31.7	116.3	18,400	32.8	114.7	18,600				185
190	28.9	107.5	16,700							190
195	25.9	97.6	15,000							195
200	22.5	86.1	13,200							200

# MLC250 S-3

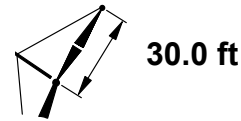
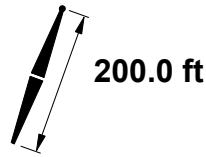
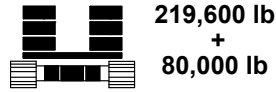
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	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	59,000	74.8	217.5	56,200	76.2	215.5	45,600	70
75	72.1	216.7	59,000	73.5	215.9	55,600	74.8	213.9	44,400	75
80	70.7	215.0	58,200	72.1	214.1	55,100	73.4	212.1	43,200	80
85	69.3	213.1	57,600	70.7	212.2	54,700	72.0	210.2	42,100	85
90	67.9	211.1	57,000	69.3	210.2	54,300	70.5	208.2	41,100	90
95	66.5	208.9	56,400	67.8	208.0	53,800	69.1	206.0	40,100	95
100	65.1	206.6	52,300	66.4	205.7	53,100	67.6	203.6	39,200	100
105	63.6	204.1	48,600	64.9	203.2	49,400	66.2	201.1	38,300	105
110	62.2	201.5	45,200	63.5	200.6	46,000	64.7	198.4	37,500	110
115	60.7	198.7	42,200	62.0	197.7	42,900	63.2	195.6	36,700	115
120	59.2	195.7	39,400	60.4	194.7	40,100	61.6	192.6	36,000	120
125	57.6	192.6	36,900	58.9	191.6	37,500	60.0	189.3	35,300	125
130	56.0	189.2	34,600	57.3	188.2	35,200	58.4	185.9	34,700	130
135	54.4	185.7	32,500	55.7	184.6	33,000	56.8	182.3	33,500	135
140	52.8	181.9	30,500	54.1	180.8	31,000	55.2	178.5	31,400	140
145	51.1	177.9	28,700	52.4	176.8	29,100	53.5	174.4	29,500	145
150	49.4	173.6	27,000	50.7	172.5	27,400	51.7	170.0	27,800	150
155	47.7	169.1	25,400	48.9	168.0	25,800	49.9	165.4	26,100	155
160	45.9	164.3	23,900	47.1	163.1	24,300	48.1	160.5	24,600	160
165	44.0	159.2	22,600	45.2	158.0	22,900	46.1	155.2	23,200	165
170	42.1	153.7	21,300	43.2	152.4	21,600	44.2	149.6	21,800	170
175	40.1	147.8	20,000	41.2	146.5	20,300	42.1	143.5	20,500	175
180	38.0	141.5	18,900	39.1	140.1	19,100				180
185	35.8	134.7	17,800	36.9	133.2	18,000				185
190	33.4	127.2	16,800	34.5	125.7	17,000				190
195	30.9	119.1	15,500	32.0	117.4	15,900				195
200	28.2	110.0	13,800							200
205	25.3	99.8	12,200							205
210	21.9	88.0	10,600							210

# MLC250 S-3

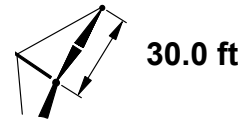
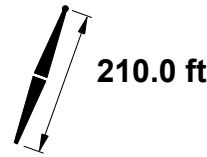
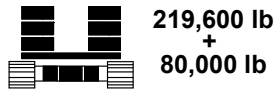
ASME B30.5



	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	59,000	75.5	227.9	56,100	76.8	226.0	46,200	70
75	72.9	227.3	58,900	74.2	226.4	55,600	75.5	224.4	45,000	75
80	71.6	225.6	58,300	72.9	224.7	55,200	74.1	222.7	43,800	80
85	70.3	223.8	57,700	71.6	222.9	54,700	72.8	220.9	42,700	85
90	68.9	221.9	57,000	70.2	221.0	54,200	71.4	219.0	41,700	90
95	67.6	219.8	56,000	68.9	218.9	53,800	70.1	216.9	40,700	95
100	66.2	217.6	51,900	67.5	216.7	52,800	68.7	214.7	39,800	100
105	64.9	215.3	48,200	66.1	214.4	49,000	67.3	212.3	39,000	105
110	63.5	212.8	44,800	64.7	211.9	45,600	65.9	209.8	38,200	110
115	62.1	210.2	41,800	63.3	209.2	42,500	64.5	207.1	37,400	115
120	60.6	207.4	39,000	61.9	206.4	39,700	63.0	204.2	36,700	120
125	59.2	204.4	36,500	60.4	203.4	37,100	61.5	201.2	36,000	125
130	57.7	201.2	34,200	58.9	200.2	34,800	60.0	198.0	35,300	130
135	56.2	197.9	32,100	57.4	196.9	32,600	58.5	194.6	33,100	135
140	54.7	194.4	30,100	55.9	193.4	30,600	57.0	191.0	31,100	140
145	53.1	190.7	28,300	54.3	189.6	28,800	55.4	187.2	29,200	145
150	51.6	186.7	26,600	52.7	185.6	27,000	53.8	183.2	27,400	150
155	49.9	182.5	25,000	51.1	181.4	25,400	52.1	178.9	25,800	155
160	48.3	178.1	23,500	49.4	177.0	23,900	50.4	174.4	24,300	160
165	46.6	173.4	22,100	47.7	172.2	22,500	48.7	169.6	22,800	165
170	44.8	168.4	20,900	45.9	167.2	21,200	46.9	164.5	21,500	170
175	43.0	163.1	19,600	44.1	161.8	19,900	45.0	159.0	20,200	175
180	41.1	157.4	18,500	42.2	156.1	18,800	43.1	153.2	19,000	180
185	39.1	151.3	17,400	40.2	150.0	17,700				185
190	37.1	144.8	16,400	38.2	143.4	16,600				190
195	34.9	137.8	15,400	36.0	136.3	15,600				195
200	32.7	130.1	14,300	33.7	128.5	14,700				200
205	30.2	121.7	12,700	31.2	120.0	13,100				205
210	27.6	112.4	11,300							210
215	24.7	102.0	9,800							215
220	21.4	89.9	8,300							220

# MLC250 S-3

ASME B30.5

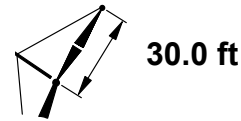
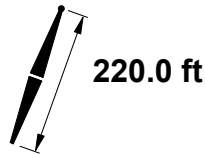
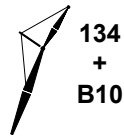


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	81.0	244.8	59,000							45
50	79.8	243.9	59,000							50
55	78.6	242.9	59,000	79.8	242.0	57,400				55
60	77.4	241.8	59,000	78.6	240.9	56,900	79.9	239.0	49,500	60
65	76.1	240.6	59,000	77.4	239.7	56,400	78.6	237.7	48,100	65
70	74.9	239.2	59,000	76.1	238.3	56,000	77.4	236.4	46,800	70
75	73.7	237.7	58,900	74.9	236.9	55,500	76.1	234.9	45,600	75
80	72.4	236.2	58,200	73.6	235.3	55,000	74.8	233.3	44,400	80
85	71.1	234.4	57,600	72.4	233.6	54,600	73.6	231.6	43,300	85
90	69.9	232.6	57,000	71.1	231.7	54,200	72.3	229.7	42,300	90
95	68.6	230.7	55,600	69.8	229.8	53,800	71.0	227.7	41,400	95
100	67.3	228.6	51,400	68.5	227.7	52,300	69.7	225.6	40,500	100
105	66.0	226.3	47,700	67.2	225.4	48,500	68.3	223.3	39,600	105
110	64.7	224.0	44,300	65.9	223.0	45,100	67.0	221.0	38,800	110
115	63.3	221.5	41,300	64.5	220.5	42,100	65.6	218.4	38,000	115
120	62.0	218.8	38,500	63.2	217.9	39,200	64.3	215.7	37,300	120
125	60.6	216.0	36,000	61.8	215.0	36,700	62.9	212.9	36,600	125
130	59.2	213.1	33,700	60.4	212.1	34,300	61.5	209.9	34,900	130
135	57.8	209.9	31,600	59.0	208.9	32,200	60.0	206.7	32,700	135
140	56.4	206.6	29,600	57.5	205.6	30,200	58.6	203.3	30,700	140
145	54.9	203.1	27,800	56.1	202.1	28,300	57.1	199.7	28,800	145
150	53.4	199.4	26,100	54.6	198.4	26,600	55.6	196.0	27,000	150
155	51.9	195.5	24,500	53.1	194.4	25,000	54.1	192.0	25,400	155
160	50.4	191.4	23,000	51.5	190.3	23,500	52.5	187.8	23,800	160
165	48.8	187.1	21,700	49.9	185.9	22,100	50.9	183.4	22,400	165
170	47.2	182.5	20,400	48.3	181.3	20,700	49.2	178.7	21,000	170
175	45.5	177.6	19,100	46.6	176.4	19,500	47.5	173.7	19,800	175
180	43.8	172.4	18,000	44.9	171.2	18,300	45.7	168.4	18,600	180
185	42.0	166.9	16,900	43.1	165.6	17,200	43.9	162.8	17,400	185
190	40.2	161.1	15,900	41.2	159.7	16,200	42.0	156.7	16,400	190
195	38.3	154.8	14,900	39.3	153.4	15,200				195
200	36.3	148.1	14,000	37.3	146.6	14,200				200
205	34.2	140.8	12,900	35.2	139.3	13,300				205
210	31.9	133.0	11,500	32.9	131.3	11,900				210
215	29.6	124.4	10,100	30.5	122.6	10,500				215
220	27.0	114.8	8,800							220
225	24.2	104.1	7,400							225
230	21.0	91.7	6,000							230



# MLC250 S-3

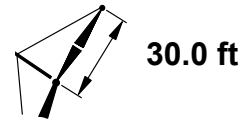
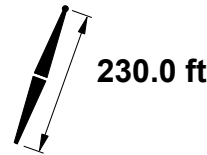
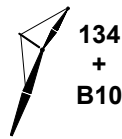
ASME B30.5



	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							55
60	77.9	252.0	59,000				80.3	249.2	50,000	60
65	76.7	250.9	59,000				79.1	248.0	48,600	65
70	75.5	249.6	59,000				77.9	246.7	47,300	70
75	74.3	248.2	58,700				76.7	245.3	46,100	75
80	73.1	246.7	58,100				75.5	243.8	45,000	80
85	71.9	245.0	57,500				74.3	242.1	43,900	85
90	70.7	243.3	56,900				73.0	240.4	42,900	90
95	69.5	241.4	55,200				71.8	238.5	42,000	95
100	68.3	239.4	51,000				70.5	236.5	41,100	100
105	67.0	237.3	47,300				69.3	234.3	40,200	105
110	65.8	235.1	43,900				68.0	232.0	39,400	110
115	64.5	232.7	40,900				66.7	229.6	38,600	115
120	63.2	230.2	38,100				65.4	227.1	37,900	120
125	61.9	227.5	35,600				64.1	224.4	36,900	125
130	60.6	224.7	33,300				62.8	221.5	34,500	130
135	59.3	221.7	31,100				61.4	218.5	32,300	135
140	57.9	218.6	29,200				60.0	215.3	30,300	140
145	56.5	215.3	27,400				58.6	212.0	28,400	145
150	55.1	211.8	25,700				57.2	208.5	26,600	150
155	53.7	208.2	24,100				55.8	204.7	25,000	155
160	52.3	204.3	22,600				54.3	200.8	23,500	160
165	50.8	200.3	21,200				52.8	196.7	22,000	165
170	49.3	196.0	19,900				51.3	192.3	20,700	170
175	47.7	191.5	18,700				49.7	187.7	19,400	175
180	46.2	186.7	17,600				48.1	182.8	18,200	180
185	44.5	181.7	16,500				46.4	177.7	17,100	185
190	42.9	176.3	15,500				44.7	172.2	16,000	190
195	41.1	170.6	14,500				42.9	166.4	15,000	195
200	39.3	164.6	13,600							200
205	37.5	158.2	12,700							205
210	35.5	151.3	11,700							210
215	33.4	143.8	10,300							215
220	31.3	135.7	9,000							220
225	28.9	126.9	7,800							225
230	26.4	117.1	6,500							230
235	23.7	106.1	5,300							235
240	20.5	93.4	4,000							240

# MLC250 S-3

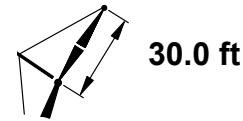
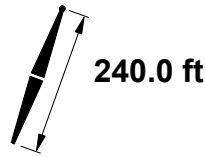
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	80.6	264.3	59,000							50
55	79.5	263.3	59,000	80.6	262.5	56,800				55
60	78.4	262.3	59,000	79.5	261.4	56,400	80.7	259.5	50,500	60
65	77.2	261.2	59,000	78.4	260.3	55,900	79.5	258.3	49,100	65
70	76.1	259.9	59,000	77.2	259.0	55,500	78.4	257.1	47,800	70
75	74.9	258.6	58,500	76.1	257.7	55,100	77.2	255.7	46,700	75
80	73.8	257.1	57,800	74.9	256.2	54,600	76.1	254.2	45,500	80
85	72.6	255.6	57,200	73.8	254.7	54,300	74.9	252.7	44,500	85
90	71.5	253.9	56,700	72.6	253.0	53,900	73.7	251.0	43,500	90
95	70.3	252.1	54,600	71.4	251.2	53,500	72.5	249.2	42,500	95
100	69.1	250.2	50,400	70.3	249.3	51,400	71.3	247.2	41,600	100
105	67.9	248.2	46,700	69.1	247.3	47,600	70.1	245.2	40,800	105
110	66.7	246.0	43,300	67.9	245.1	44,200	68.9	243.0	40,000	110
115	65.5	243.8	40,300	66.6	242.8	41,100	67.7	240.7	39,200	115
120	64.3	241.4	37,500	65.4	240.4	38,300	66.5	238.3	38,500	120
125	63.1	238.8	35,000	64.2	237.9	35,700	65.2	235.7	36,400	125
130	61.8	236.2	32,700	62.9	235.2	33,400	63.9	233.0	34,000	130
135	60.6	233.3	30,600	61.6	232.4	31,200	62.7	230.2	31,800	135
140	59.3	230.4	28,600	60.4	229.4	29,200	61.4	227.1	29,800	140
145	58.0	227.3	26,800	59.1	226.3	27,300	60.0	224.0	27,900	145
150	56.7	224.0	25,100	57.7	223.0	25,600	58.7	220.7	26,100	150
155	55.3	220.5	23,500	56.4	219.5	24,000	57.3	217.2	24,500	155
160	54.0	216.9	22,000	55.0	215.9	22,500	56.0	213.5	22,900	160
165	52.6	213.1	20,600	53.6	212.0	21,100	54.5	209.6	21,500	165
170	51.2	209.1	19,300	52.2	208.0	19,800	53.1	205.5	20,100	170
175	49.7	204.9	18,100	50.8	203.8	18,500	51.6	201.2	18,900	175
180	48.3	200.5	17,000	49.3	199.3	17,300	50.1	196.7	17,700	180
185	46.8	195.8	15,900	47.8	194.6	16,200	48.6	192.0	16,500	185
190	45.2	190.9	14,900	46.2	189.6	15,200	47.0	186.9	15,500	190
195	43.6	185.7	13,900	44.6	184.4	14,200	45.4	181.6	14,400	195
200	42.0	180.1	13,000	43.0	178.9	13,300	43.7	175.9	13,500	200
205	40.3	174.3	12,100	41.2	173.0	12,400	42.0	170.0	12,500	205
210	38.5	168.1	11,300	39.5	166.7	11,500				210
215	36.7	161.5	10,100	37.6	160.0	10,600				215
220	34.8	154.4	8,900	35.7	152.8	9,300				220
225	32.8	146.7	7,700	33.7	145.1	8,100				225
230	30.6	138.5	6,500	31.5	136.7	6,800				230
235	28.4	129.4	5,300							235
240	25.9	119.4	4,200							240

# MLC250 S-3

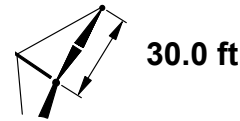
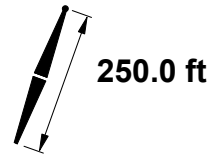
ASME B30.5



	5°			15°			25°					
	ft	o	ft	lb	ft	o	ft	lb	ft			
50	81.0		274.4	59,000						50		
55	79.9		273.5	59,000						55		
60	78.8		272.5	59,000						60		
65	77.7		271.4	59,000	81.0		271.6	56,000	81.0	269.7	50,900	65
70	76.6		270.2	58,600	79.9		270.5	55,600	79.9	268.6	49,600	70
75	75.5		268.9	58,000	78.8		270.5	55,600	78.8	267.4	48,300	75
80	74.4		267.5	57,500	77.7		269.4	55,100	77.7	266.1	47,200	80
85	73.3		266.0	56,900	76.6		268.1	54,800	76.6	264.7	46,000	85
90	72.2		264.4	56,400	75.5		266.7	54,400	75.5	263.2	45,000	90
95	71.1		262.7	54,200	74.4		265.2	54,000	74.4	261.5	44,000	95
100	69.9		260.9	50,000	73.3		263.5	53,700	73.3	259.8	43,100	100
105	68.8		259.0	46,300	72.2		261.8	53,300	72.2	258.0	42,200	105
110	67.7		256.9	42,900	71.0		260.0	51,000	71.0	256.0	41,300	110
115	66.5		254.7	39,900	69.9		258.1	47,200	70.9	256.0	41,300	115
120	65.3		252.5	37,100	68.7		256.0	43,800	69.8	253.9	40,500	120
125	64.2		250.0	34,600	67.6		253.8	40,700	68.6	251.7	39,800	125
130	63.0		247.5	32,200	66.4		251.5	37,900	67.4	249.4	38,600	130
135	61.8		244.8	30,100	65.2		249.1	35,300	66.2	246.9	36,000	135
140	60.5		242.0	28,100	64.0		246.5	32,900	65.0	244.4	33,600	140
145	59.3		239.0	26,300	62.8		243.8	30,800	63.8	241.7	31,400	145
150	58.1		235.9	24,600	61.6		241.0	28,800	62.6	238.8	29,400	150
155	56.8		232.7	23,000	60.3		238.0	26,900	61.3	235.8	27,500	155
160	55.5		229.2	21,600	59.1		234.9	25,200	60.0	232.6	25,700	160
165	54.2		225.7	20,200	57.8		231.6	23,600	58.8	229.3	24,100	165
170	52.9		221.9	18,900	56.5		228.2	22,100	57.4	225.9	22,500	170
175	51.5		217.9	17,700	55.2		224.6	20,700	56.1	222.2	21,100	175
180	50.1		213.8	16,500	53.9		220.8	19,300	54.8	218.4	19,700	180
185	48.7		209.4	15,400	52.5		216.8	18,100	53.4	214.4	18,500	185
190	47.3		204.8	14,400	51.1		212.7	16,900	52.0	210.1	17,300	190
195	45.8		200.0	13,400	49.7		208.3	15,800	50.6	205.7	16,100	195
200	44.3		194.9	12,500	48.3		203.7	14,800	49.1	201.0	15,100	200
205	42.7		189.6	11,600	46.8		198.8	13,800	47.6	196.1	14,000	205
210	41.1		183.9	10,800	45.3		193.7	12,800	46.0	190.9	13,100	210
215	39.5		177.9	10,000	43.7		188.3	11,900	44.4	185.4	12,200	215
220	37.8		171.5	8,900	42.1		182.6	11,100	42.8	179.6	11,300	220
225	36.0		164.7	7,700	40.4		176.5	10,300				225
230	34.1		157.4	6,500	38.7		170.1	9,300				230
235	32.1		149.6	5,400	36.9		163.2	8,100				235
240	30.0		141.1	4,300	35.0		155.9	6,900				240
					33.0		147.9	5,800				235
					30.9		139.4	4,600				240

# MLC250 S-3

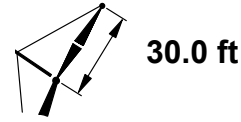
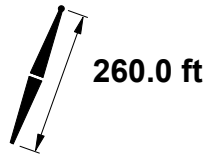
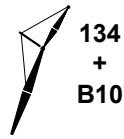
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.2	283.7	59,000							55
60	79.2	282.7	59,000	80.3	281.8	55,500				60
65	78.2	281.7	58,700	79.2	280.8	55,200	80.3	278.8	50,000	65
70	77.1	280.5	58,100	78.2	279.6	54,800	79.2	277.7	48,800	70
75	76.0	279.3	57,600	77.1	278.4	54,400	78.2	276.4	47,600	75
80	75.0	277.9	57,000	76.0	277.0	54,000	77.1	275.1	46,500	80
85	73.9	276.5	56,500	75.0	275.6	53,600	76.0	273.6	45,500	85
90	72.9	275.0	56,000	73.9	274.1	53,300	74.9	272.0	44,500	90
95	71.8	273.3	54,300	72.8	272.4	53,000	73.8	270.4	43,600	95
100	70.7	271.6	50,200	71.7	270.7	51,200	72.8	268.6	42,700	100
105	69.6	269.7	46,400	70.6	268.8	47,400	71.6	266.7	41,900	105
110	68.5	267.7	43,100	69.5	266.8	44,000	70.5	264.7	41,100	110
115	67.4	265.7	40,000	68.4	264.7	40,900	69.4	262.6	40,300	115
120	66.3	263.5	37,300	67.3	262.5	38,100	68.3	260.4	38,800	120
125	65.1	261.2	34,700	66.2	260.2	35,500	67.1	258.1	36,200	125
130	64.0	258.7	32,400	65.0	257.8	33,100	66.0	255.6	33,800	130
135	62.9	256.2	30,300	63.9	255.2	31,000	64.8	253.0	31,600	135
140	61.7	253.5	28,300	62.7	252.5	28,900	63.7	250.3	29,500	140
145	60.5	250.7	26,500	61.5	249.7	27,100	62.5	247.4	27,600	145
150	59.3	247.7	24,800	60.3	246.7	25,400	61.3	244.4	25,900	150
155	58.1	244.6	23,200	59.1	243.6	23,700	60.0	241.3	24,200	155
160	56.9	241.4	21,700	57.9	240.3	22,200	58.8	238.0	22,700	160
165	55.7	238.0	20,300	56.7	236.9	20,800	57.5	234.6	21,300	165
170	54.4	234.4	19,100	55.4	233.3	19,500	56.3	230.9	19,900	170
175	53.1	230.7	17,800	54.1	229.6	18,300	55.0	227.1	18,600	175
180	51.8	226.7	16,700	52.8	225.6	17,100	53.6	223.2	17,500	180
185	50.5	222.6	15,600	51.5	221.5	16,000	52.3	219.0	16,300	185
190	49.2	218.3	14,600	50.1	217.2	14,900	50.9	214.6	15,300	190
195	47.8	213.8	13,600	48.7	212.7	14,000	49.5	210.0	14,200	195
200	46.4	209.1	12,700	47.3	207.9	13,000	48.1	205.2	13,300	200
205	44.9	204.1	11,800	45.9	202.9	12,100	46.6	200.1	12,400	205
210	43.5	198.9	11,000	44.4	197.6	11,300	45.1	194.8	11,500	210
215	41.9	193.4	10,200	42.8	192.1	10,500	43.5	189.1	10,700	215
220	40.4	187.5	9,400	41.3	186.2	9,700	41.9	183.2	9,900	220
225	38.7	181.4	8,400	39.6	180.0	8,900				225
230	37.0	174.8	7,300	37.9	173.4	7,700				230
235	35.3	167.9	6,200	36.1	166.3	6,600				235
240	33.5	160.4	5,100	34.3	158.8	5,500				240
245	31.5	152.4	4,100	32.3	150.7	4,400				245

# MLC250 S-3

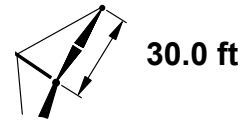
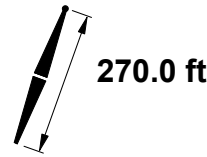
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
55	80.6	293.8	59,000							55
60	79.6	292.9	58,500							60
65	78.6	291.9	58,000							65
70	77.6	290.8	57,500							70
75	76.5	289.6	57,000							75
80	75.5	288.3	56,500							80
85	74.5	286.9	56,000							85
90	73.5	285.4	55,500							90
95	72.4	283.9	55,000							95
100	71.4	282.2	49,700							100
105	70.3	280.4	46,000							105
110	69.3	278.5	42,600							110
115	68.2	276.5	39,600							115
120	67.1	274.4	36,800							120
125	66.1	272.2	34,300							125
130	65.0	269.8	32,000							130
135	63.9	267.4	29,800							135
140	62.8	264.8	27,900							140
145	61.6	262.1	26,000							145
150	60.5	259.3	24,300							150
155	59.4	256.4	22,800							155
160	58.2	253.3	21,300							160
165	57.0	250.0	19,900							165
170	55.8	246.7	18,600							170
175	54.6	243.1	17,400							175
180	53.4	239.4	16,200							180
185	52.1	235.5	15,200							185
190	50.9	231.5	14,100							190
195	49.6	227.3	13,200							195
200	48.3	222.8	12,200							200
205	46.9	218.2	11,400							205
210	45.5	213.3	10,500							210
215	44.1	208.2	9,700							215
220	42.7	202.8	9,000							220
225	41.2	197.1	8,300							225
230	39.6	191.1	7,200							230
235	38.0	184.8	6,100							235
240	36.4	178.1	5,000							240
245	34.7	171.0	4,000							245

# MLC250 S-3

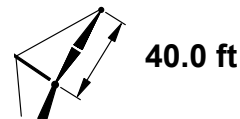
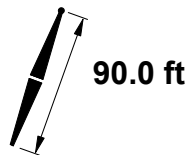
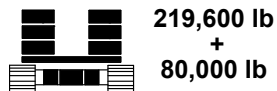
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.9	304.0	58,300							55
60	79.9	303.1	57,800	80.9	302.2	54,400				60
65	79.0	302.1	57,300	80.0	301.2	54,000	81.0	299.3	50,800	65
70	78.0	301.0	56,700	79.0	300.2	53,700	80.0	298.2	49,600	70
75	77.0	299.9	56,200	78.0	299.0	53,400	79.0	297.0	48,500	75
80	76.0	298.6	55,800	77.0	297.8	53,000	78.0	295.8	47,400	80
85	75.0	297.3	55,300	76.0	296.4	52,700	77.0	294.4	46,400	85
90	74.0	295.9	54,900	75.0	295.0	52,400	76.0	293.0	45,500	90
95	73.0	294.4	53,400	74.0	293.4	52,000	75.0	291.4	44,600	95
100	72.0	292.7	49,200	73.0	291.8	50,300	74.0	289.8	43,700	100
105	71.0	291.0	45,400	72.0	290.1	46,500	72.9	288.0	42,900	105
110	70.0	289.2	42,100	71.0	288.3	43,000	71.9	286.2	42,100	110
115	69.0	287.3	39,000	69.9	286.3	39,900	70.9	284.3	40,800	115
120	67.9	285.3	36,200	68.9	284.3	37,100	69.8	282.2	37,900	120
125	66.9	283.1	33,700	67.9	282.2	34,500	68.8	280.1	35,300	125
130	65.9	280.9	31,400	66.8	279.9	32,200	67.7	277.8	32,900	130
135	64.8	278.5	29,200	65.8	277.6	30,000	66.7	275.4	30,700	135
140	63.7	276.1	27,300	64.7	275.1	28,000	65.6	272.9	28,600	140
145	62.7	273.5	25,400	63.6	272.5	26,100	64.5	270.3	26,700	145
150	61.6	270.8	23,700	62.5	269.8	24,400	63.4	267.6	25,000	150
155	60.5	268.0	22,200	61.4	267.0	22,800	62.3	264.7	23,300	155
160	59.4	265.0	20,700	60.3	264.0	21,200	61.2	261.8	21,800	160
165	58.3	261.9	19,300	59.2	260.9	19,800	60.0	258.6	20,300	165
170	57.1	258.7	18,000	58.0	257.7	18,500	58.9	255.4	19,000	170
175	56.0	255.4	16,800	56.9	254.3	17,300	57.7	251.9	17,700	175
180	54.8	251.8	15,600	55.7	250.8	16,100	56.5	248.4	16,500	180
185	53.6	248.2	14,600	54.5	247.1	15,000	55.3	244.7	15,400	185
190	52.4	244.3	13,500	53.3	243.2	13,900	54.1	240.8	14,300	190
195	51.2	240.3	12,600	52.1	239.2	12,900	52.9	236.7	13,300	195
200	49.9	236.1	11,600	50.8	235.0	12,000	51.6	232.5	12,300	200
205	48.7	231.8	10,800	49.6	230.6	11,100	50.3	228.0	11,400	205
210	47.4	227.2	9,900	48.3	226.0	10,300	49.0	223.3	10,500	210
215	46.1	222.4	9,100	46.9	221.2	9,500	47.6	218.5	9,700	215
220	44.7	217.4	8,400	45.6	216.1	8,700	46.3	213.4	8,900	220
225	43.3	212.1	7,700	44.2	210.9	7,900	44.9	208.0	8,200	225
230	41.9	206.6	6,700	42.7	205.3	7,200	43.4	202.3	7,400	230
235	40.4	200.8	5,700	41.3	199.4	6,100	41.9	196.4	6,500	235
240	38.9	194.6	4,700	39.7	193.2	5,100				240
245				38.2	186.7	4,100				245

# MLC250 S-3

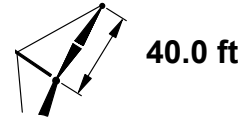
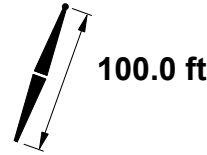
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
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	37,000	47.6	95.4	31,700	50.0	92.3	25,600	100
105	41.5	91.2	35,400	44.2	89.6	30,600	46.4	86.2	25,000	105
110	37.9	84.7	33,800	40.5	83.0	29,500				110
115	34.0	77.3	32,400	36.5	75.5	28,600				115
120	29.6	68.7	31,100	31.9	66.5	27,800				120
125	24.4	58.0	30,000							125

# MLC250 S-3

ASME B30.5

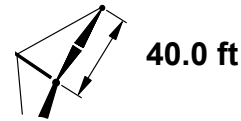
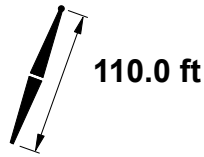
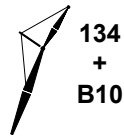


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
35	79.3	144.9	54,100							35
40	77.2	143.7	52,700	80.1	142.6	48,500				40
45	75.1	142.3	51,400	77.9	141.2	47,500	80.8	139.0	40,200	45
50	72.9	140.7	50,200	75.8	139.6	46,700	78.6	137.3	38,200	50
55	70.8	138.9	49,000	73.6	137.8	46,000	76.4	135.5	36,400	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	42,800	56.9	118.1	36,100	59.4	115.3	28,000	90
95	51.7	115.3	41,600	54.3	114.0	34,700	56.7	111.2	27,200	95
100	48.9	110.9	39,600	51.5	109.5	33,400	53.8	106.6	26,500	100
105	46.1	106.1	37,700	48.6	104.6	32,100	50.8	101.5	25,800	105
110	43.1	100.7	36,100	45.6	99.1	31,000	47.7	95.8	25,200	110
115	39.9	94.7	34,600	42.3	93.0	30,000	44.3	89.4	24,700	115
120	36.4	87.9	33,200	38.8	86.1	29,100				120
125	32.7	80.2	32,000	34.9	78.2	28,300				125
130	28.4	71.1	30,800							130
135	23.4	60.0	29,800							135



# MLC250 S-3

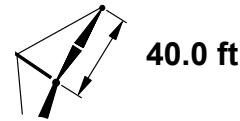
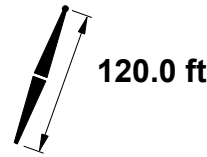
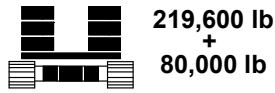
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
35	80.0	155.1	54,400							35
40	78.1	154.0	53,000							40
45	76.1	152.7	51,800							45
50	74.1	151.2	50,600				79.4	147.8	38,900	50
55	72.1	149.5	49,600				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	43,500	59.5	130.4	37,800	61.9	127.7	28,900	90
95	54.7	128.1	42,900	57.2	126.8	36,300	59.4	124.0	28,000	95
100	52.3	124.2	42,000	54.7	122.8	34,900	56.9	119.9	27,300	100
105	49.7	119.9	40,100	52.2	118.5	33,700	54.3	115.5	26,600	105
110	47.1	115.2	38,300	49.5	113.7	32,500	51.6	110.6	26,000	110
115	44.4	110.1	36,800	46.7	108.5	31,400	48.7	105.2	25,400	115
120	41.5	104.4	35,300	43.8	102.7	30,500	45.7	99.2	24,900	120
125	38.4	98.1	34,000	40.6	96.3	29,600				125
130	35.1	91.0	32,800	37.3	89.1	28,800				130
135	31.5	82.9	31,600	33.5	80.8	28,100				135
140	27.4	73.4	30,600							140
145	22.5	61.8	29,700							145

# MLC250 S-3

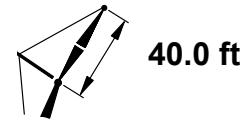
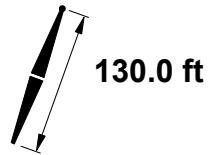
ASME B30.5



ft	5°			15°			25°			ft
	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	79.5	161.9	48,000				45
50	75.1	161.6	51,000	77.6	160.5	47,200	80.1	158.2	39,500	50
55	73.3	160.1	50,000	75.7	159.0	46,500	78.2	156.6	37,900	55
60	71.4	158.4	49,000	73.8	157.2	45,800	76.3	154.8	36,300	60
65	69.4	156.4	48,100	71.9	155.3	45,300	74.3	152.8	35,000	65
70	67.5	154.3	47,200	69.9	153.1	44,700	72.3	150.7	33,700	70
75	65.5	152.0	46,300	67.9	150.8	44,200	70.3	148.3	32,600	75
80	63.5	149.4	45,500	65.9	148.2	43,000	68.2	145.7	31,500	80
85	61.5	146.7	44,900	63.8	145.4	41,000	66.1	142.8	30,500	85
90	59.4	143.7	44,200	61.7	142.4	39,300	64.0	139.7	29,600	90
95	57.2	140.4	43,500	59.6	139.1	37,800	61.8	136.3	28,800	95
100	55.0	136.8	42,900	57.4	135.5	36,400	59.5	132.7	28,000	100
105	52.8	133.0	42,300	55.1	131.6	35,100	57.1	128.7	27,300	105
110	50.4	128.8	40,600	52.7	127.4	33,900	54.7	124.4	26,700	110
115	48.0	124.3	38,900	50.3	122.8	32,800	52.2	119.6	26,100	115
120	45.5	119.3	37,400	47.7	117.8	31,800	49.6	114.5	25,600	120
125	42.9	113.9	36,000	45.0	112.3	30,900	46.8	108.8	25,100	125
130	40.1	107.9	34,700	42.2	106.2	30,000	43.9	102.5	24,600	130
135	37.1	101.3	33,400	39.2	99.5	29,200				135
140	33.9	93.9	32,400	35.9	91.9	28,500				140
145	30.4	85.5	31,300	32.3	83.3	27,800				145
150	26.4	75.6	30,400							150
155	21.8	63.6	28,000							155

# MLC250 S-3

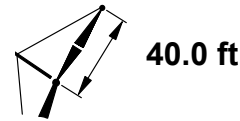
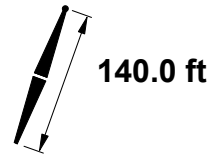
ASME B30.5



	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	45,400	65.6	156.9	42,600	67.7	154.2	31,300	85
90	61.4	155.3	44,700	63.6	154.1	40,900	65.7	151.4	30,400	90
95	59.4	152.3	44,000	61.6	151.0	39,300	63.7	148.3	29,500	95
100	57.4	149.1	43,500	59.6	147.8	37,800	61.6	145.0	28,800	100
105	55.3	145.6	42,900	57.5	144.2	36,500	59.5	141.3	28,100	105
110	53.2	141.8	42,400	55.4	140.4	35,300	57.3	137.4	27,400	110
115	51.1	137.7	41,100	53.2	136.3	34,100	55.1	133.2	26,800	115
120	48.8	133.3	39,400	50.9	131.8	33,100	52.7	128.6	26,200	120
125	46.5	128.5	38,000	48.5	127.0	32,100	50.3	123.7	25,700	125
130	44.0	123.3	36,600	46.1	121.7	31,200	47.8	118.2	25,200	130
135	41.5	117.6	35,300	43.5	115.9	30,400	45.1	112.3	24,800	135
140	38.8	111.4	33,900	40.7	109.6	29,600				140
145	35.9	104.5	32,100	37.8	102.6	28,900				145
150	32.8	96.8	30,400	34.7	94.7	28,300				150
155	29.4	88.0	28,800							155
160	25.6	77.8	27,100							160
165	21.1	65.4	24,300							165

# MLC250 S-3

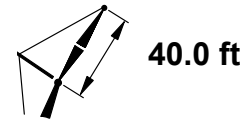
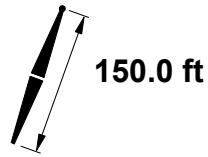
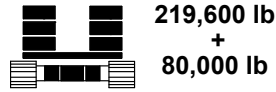
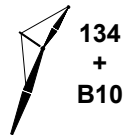
ASME B30.5



ft	5°			15°			25°			ft
	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	45,900	67.0	168.1	43,800	69.1	165.5	31,900	85
90	63.1	166.8	45,200	65.2	165.5	42,300	67.3	162.8	31,100	90
95	61.3	164.0	44,600	63.4	162.7	40,700	65.4	160.0	30,200	95
100	59.4	161.0	43,900	61.5	159.7	39,200	63.5	156.9	29,500	100
105	57.6	157.8	43,400	59.6	156.4	37,900	61.5	153.6	28,700	105
110	55.6	154.3	42,900	57.7	152.9	36,600	59.5	150.0	28,100	110
115	53.6	150.6	42,400	55.7	149.2	35,400	57.5	146.2	27,400	115
120	51.6	146.6	41,500	53.6	145.1	34,400	55.4	142.0	26,900	120
125	49.5	142.2	39,900	51.5	140.8	33,400	53.2	137.6	26,300	125
130	47.3	137.6	37,700	49.3	136.1	32,400	51.0	132.8	25,800	130
135	45.1	132.6	35,500	47.0	131.0	31,500	48.6	127.5	25,400	135
140	42.7	127.1	33,600	44.6	125.4	30,700	46.2	121.8	25,000	140
145	40.2	121.2	31,700	42.1	119.4	29,900	43.6	115.6	24,600	145
150	37.6	114.7	30,000	39.4	112.8	29,300				150
155	34.8	107.5	28,400	36.6	105.5	28,600				155
160	31.8	99.5	26,900	33.5	97.3	27,200				160
165	28.5	90.5	25,500							165
170	24.8	79.9	23,600							170

# MLC250 S-3

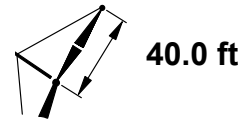
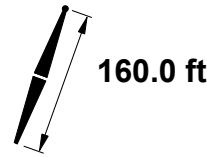
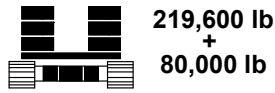
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
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	46,200	68.4	179.2	44,100	70.3	176.6	32,600	85
90	64.7	178.0	45,600	66.7	176.8	43,600	68.6	174.1	31,700	90
95	63.0	175.4	45,000	65.0	174.2	42,000	66.9	171.4	30,900	95
100	61.2	172.6	44,400	63.2	171.3	40,600	65.1	168.6	30,100	100
105	59.5	169.6	43,900	61.4	168.3	39,100	63.3	165.5	29,400	105
110	57.7	166.4	43,300	59.6	165.1	37,900	61.5	162.2	28,700	110
115	55.9	163.0	42,800	57.8	161.6	36,700	59.6	158.7	28,100	115
120	54.0	159.3	41,900	55.9	157.9	35,500	57.6	154.9	27,500	120
125	52.1	155.4	39,400	54.0	153.9	34,500	55.7	150.8	26,900	125
130	50.1	151.2	37,100	52.0	149.7	33,600	53.6	146.5	26,400	130
135	48.1	146.6	34,900	49.9	145.1	32,700	51.5	141.8	26,000	135
140	45.9	141.8	33,000	47.8	140.2	31,800	49.3	136.7	25,500	140
145	43.8	136.5	31,100	45.6	134.9	31,000	47.1	131.3	25,100	145
150	41.5	130.8	29,400	43.3	129.1	29,800	44.7	125.3	24,800	150
155	39.1	124.7	27,900	40.8	122.8	28,200				155
160	36.5	117.9	26,400	38.2	116.0	26,700				160
165	33.8	110.5	25,000	35.5	108.4	25,200				165
170	30.9	102.2	23,700	32.5	99.9	23,900				170
175	27.7	92.8	22,300							175
180	24.1	82.0	20,100							180

# MLC250 S-3

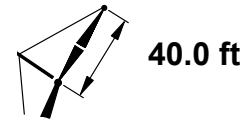
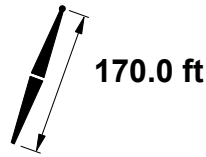
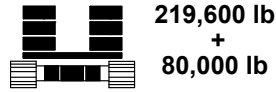
ASME B30.5



ft	5°			15°			25°			ft
	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	46,600	69.5	190.2	44,300	71.4	187.5	33,200	85
90	66.0	189.1	45,900	67.9	187.9	43,900	69.8	185.2	32,300	90
95	64.4	186.7	45,400	66.3	185.4	43,400	68.2	182.7	31,500	95
100	62.8	184.1	44,800	64.7	182.8	41,800	66.5	180.0	30,700	100
105	61.2	181.3	44,300	63.1	180.0	40,400	64.8	177.2	30,000	105
110	59.5	178.3	43,700	61.4	177.0	39,100	63.1	174.1	29,300	110
115	57.8	175.1	43,200	59.7	173.8	37,800	61.4	170.9	28,700	115
120	56.1	171.7	41,500	57.9	170.3	36,700	59.6	167.4	28,100	120
125	54.3	168.1	39,000	56.1	166.7	35,700	57.8	163.6	27,500	125
130	52.5	164.2	36,700	54.3	162.7	34,700	55.9	159.6	27,000	130
135	50.6	160.1	34,600	52.4	158.6	33,800	54.0	155.4	26,500	135
140	48.7	155.6	32,600	50.5	154.1	32,900	52.0	150.8	26,100	140
145	46.7	150.9	30,800	48.5	149.3	31,200	50.0	145.9	25,600	145
150	44.7	145.8	29,100	46.4	144.2	29,500	47.9	140.6	25,300	150
155	42.6	140.3	27,500	44.3	138.6	27,900	45.6	134.9	24,900	155
160	40.4	134.4	26,000	42.0	132.6	26,400	43.3	128.8	24,600	160
165	38.0	128.0	24,600	39.7	126.1	24,900				165
170	35.6	121.1	23,300	37.2	119.0	23,600				170
175	32.9	113.4	22,100	34.5	111.2	22,300				175
180	30.1	104.8	20,900	31.6	102.5	21,100				180
185	27.0	95.2	19,200							185
190	23.5	83.9	17,200							190

# MLC250 S-3

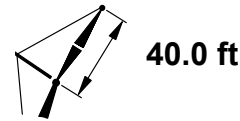
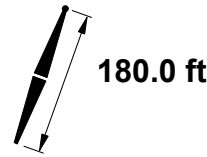
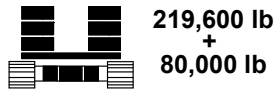
ASME B30.5



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	47,500	72.0	203.0	44,900	73.9	200.4	34,700	80
85	68.7	202.3	46,900	70.6	201.0	44,400	72.4	198.4	33,800	85
90	67.2	200.1	46,200	69.1	198.9	44,100	70.9	196.2	32,900	90
95	65.7	197.8	45,700	67.6	196.6	43,800	69.3	193.9	32,100	95
100	64.2	195.4	45,100	66.0	194.1	43,100	67.8	191.3	31,300	100
105	62.7	192.7	44,600	64.5	191.4	41,600	66.2	188.7	30,600	105
110	61.1	189.9	44,100	62.9	188.6	40,300	64.6	185.8	29,900	110
115	59.5	187.0	43,600	61.3	185.6	39,000	63.0	182.7	29,200	115
120	57.9	183.8	41,100	59.7	182.4	37,900	61.3	179.5	28,700	120
125	56.3	180.4	38,500	58.0	179.0	36,800	59.6	176.0	28,100	125
130	54.6	176.8	36,200	56.3	175.4	35,800	57.9	172.3	27,600	130
135	52.9	173.0	34,100	54.6	171.5	34,700	56.1	168.4	27,100	135
140	51.1	168.9	32,100	52.8	167.4	32,700	54.3	164.2	26,600	140
145	49.3	164.6	30,300	51.0	163.0	30,800	52.5	159.7	26,200	145
150	47.4	160.0	28,600	49.1	158.4	29,100	50.5	155.0	25,800	150
155	45.5	155.0	27,000	47.2	153.4	27,500	48.5	149.9	25,400	155
160	43.5	149.7	25,500	45.2	148.0	25,900	46.5	144.4	25,000	160
165	41.5	144.1	24,100	43.1	142.3	24,500	44.3	138.5	24,700	165
170	39.3	137.9	22,800	40.9	136.1	23,200				170
175	37.0	131.3	21,600	38.6	129.4	21,900				175
180	34.7	124.1	20,400	36.1	122.0	20,700				180
185	32.1	116.2	19,300	33.5	113.9	19,600				185
190	29.3	107.4	18,000							190
195	26.3	97.4	16,200							195
200	22.9	85.9	14,400							200

# MLC250 S-3

ASME B30.5

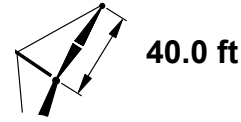
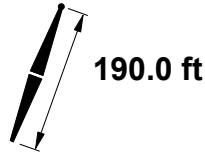
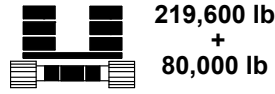
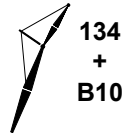


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	80.6	224.4	52,700							45
50	79.3	223.4	51,900							50
55	77.9	222.3	51,100	79.7	221.1	47,100				55
60	76.6	221.1	50,400	78.4	219.9	46,700	80.2	217.4	39,600	60
65	75.2	219.8	49,700	77.0	218.5	46,200	78.8	216.0	38,400	65
70	73.9	218.3	49,000	75.7	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	47,700	72.9	213.7	45,000	74.7	211.1	35,200	80
85	69.7	213.0	47,100	71.5	211.8	44,600	73.2	209.1	34,300	85
90	68.3	211.0	46,500	70.1	209.7	44,200	71.8	207.1	33,400	90
95	66.9	208.8	45,900	68.7	207.6	43,800	70.4	204.9	32,600	95
100	65.5	206.5	45,300	67.2	205.2	43,500	68.9	202.5	31,800	100
105	64.0	204.0	44,900	65.8	202.7	42,800	67.4	200.0	31,100	105
110	62.6	201.4	44,400	64.3	200.1	41,500	65.9	197.3	30,400	110
115	61.1	198.6	43,400	62.8	197.3	40,200	64.4	194.4	29,800	115
120	59.6	195.6	40,700	61.2	194.3	39,000	62.8	191.4	29,200	120
125	58.0	192.5	38,100	59.7	191.1	37,900	61.2	188.1	28,600	125
130	56.4	189.1	35,800	58.1	187.7	36,500	59.6	184.7	28,100	130
135	54.8	185.6	33,700	56.5	184.1	34,300	58.0	181.0	27,600	135
140	53.2	181.8	31,700	54.9	180.3	32,300	56.3	177.2	27,100	140
145	51.5	177.8	29,900	53.2	176.3	30,500	54.6	173.1	26,700	145
150	49.8	173.5	28,200	51.4	172.0	28,700	52.8	168.7	26,200	150
155	48.1	169.0	26,600	49.7	167.4	27,100	51.0	164.0	25,900	155
160	46.3	164.2	25,100	47.8	162.5	25,600	49.2	159.0	25,500	160
165	44.4	159.1	23,700	46.0	157.4	24,200	47.2	153.7	24,500	165
170	42.5	153.6	22,400	44.0	151.8	22,800	45.2	148.0	23,100	170
175	40.5	147.7	21,200	42.0	145.9	21,600	43.1	141.9	21,800	175
180	38.4	141.4	20,100	39.8	139.4	20,400				180
185	36.1	134.5	19,000	37.6	132.5	19,200				185
190	33.8	127.1	17,900	35.2	124.9	18,200				190
195	31.3	118.9	16,800	32.7	116.6	17,200				195
200	28.6	109.8	15,200							200
205	25.6	99.6	13,600							205
210	22.3	87.8	12,000							210



# MLC250 S-3

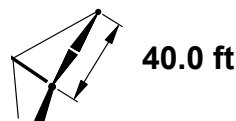
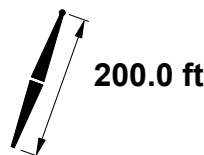
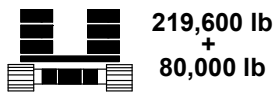
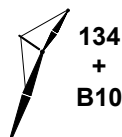
ASME B30.5



	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	47,800	73.7	224.3	45,000	75.4	221.6	35,700	80
85	70.7	223.7	47,200	72.4	222.5	44,600	74.0	219.8	34,800	85
90	69.3	221.8	46,600	71.0	220.5	44,300	72.7	217.9	33,900	90
95	68.0	219.7	46,100	69.7	218.5	43,900	71.3	215.8	33,100	95
100	66.6	217.5	45,500	68.3	216.3	43,600	69.9	213.5	32,400	100
105	65.3	215.2	45,100	66.9	213.9	43,300	68.5	211.1	31,600	105
110	63.9	212.7	44,600	65.5	211.4	42,500	67.1	208.6	31,000	110
115	62.4	210.1	42,900	64.1	208.7	41,300	65.6	205.9	30,300	115
120	61.0	207.3	40,100	62.7	205.9	40,100	64.2	203.0	29,700	120
125	59.6	204.3	37,600	61.2	202.9	38,400	62.7	200.0	29,100	125
130	58.1	201.1	35,200	59.7	199.7	36,000	61.2	196.8	28,600	130
135	56.6	197.8	33,100	58.2	196.4	33,800	59.7	193.4	28,100	135
140	55.1	194.3	31,100	56.7	192.8	31,800	58.1	189.8	27,600	140
145	53.5	190.6	29,300	55.1	189.1	29,900	56.5	185.9	27,200	145
150	51.9	186.6	27,600	53.5	185.1	28,200	54.9	181.9	26,700	150
155	50.3	182.4	26,000	51.9	180.9	26,600	53.2	177.6	26,300	155
160	48.6	178.0	24,500	50.2	176.4	25,000	51.5	173.0	25,500	160
165	46.9	173.3	23,200	48.4	171.7	23,600	49.7	168.2	24,000	165
170	45.2	168.3	21,900	46.7	166.6	22,300	47.9	163.0	22,600	170
175	43.4	163.0	20,600	44.8	161.2	21,000	46.0	157.5	21,300	175
180	41.5	157.3	19,500	42.9	155.5	19,800	44.1	151.6	20,100	180
185	39.5	151.2	18,400	40.9	149.3	18,700				185
190	37.5	144.7	17,300	38.9	142.7	17,600				190
195	35.3	137.6	16,400	36.7	135.5	16,600				195
200	33.0	130.0	15,400	34.3	127.8	15,700				200
205	30.6	121.6	14,000	31.9	119.2	14,600				205
210	28.0	112.3	12,500							210
215	25.1	101.8	11,100							215
220	21.8	89.6	9,600							220

# MLC250 S-3

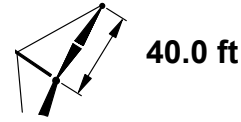
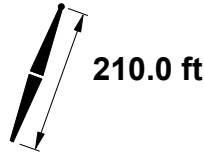
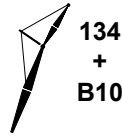
ASME B30.5



ft	5°			15°			25°			ft
	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	47,800	74.4	234.8	45,000	76.0	232.2	36,200	80
85	71.5	234.4	47,300	73.1	233.1	44,700	74.7	230.4	35,300	85
90	70.2	232.5	46,700	71.9	231.3	44,300	73.4	228.6	34,400	90
95	69.0	230.6	46,200	70.6	229.3	44,000	72.1	226.6	33,600	95
100	67.7	228.5	45,700	69.3	227.2	43,700	70.8	224.5	32,900	100
105	66.4	226.3	45,200	68.0	225.0	43,400	69.5	222.2	32,100	105
110	65.0	223.9	44,800	66.6	222.6	43,100	68.1	219.8	31,500	110
115	63.7	221.4	44,400	65.3	220.1	42,400	66.8	217.2	30,800	115
120	62.3	218.7	39,700	63.9	217.4	40,600	65.4	214.5	30,200	120
125	61.0	215.9	37,100	62.5	214.6	38,000	64.0	211.7	29,600	125
130	59.6	213.0	34,800	61.1	211.6	35,600	62.6	208.6	29,100	130
135	58.2	209.8	32,700	59.7	208.4	33,400	61.1	205.4	28,600	135
140	56.7	206.5	30,700	58.3	205.1	31,400	59.7	202.0	28,100	140
145	55.3	203.0	28,900	56.8	201.6	29,500	58.2	198.4	27,600	145
150	53.8	199.3	27,200	55.3	197.8	27,800	56.7	194.7	27,200	150
155	52.3	195.4	25,600	53.8	193.9	26,200	55.1	190.7	26,700	155
160	50.7	191.3	24,100	52.2	189.7	24,600	53.5	186.4	25,100	160
165	49.2	186.9	22,700	50.6	185.4	23,200	51.9	182.0	23,700	165
170	47.5	182.3	21,400	49.0	180.7	21,900	50.2	177.2	22,300	170
175	45.9	177.5	20,200	47.3	175.8	20,600	48.5	172.2	21,000	175
180	44.2	172.3	19,000	45.6	170.6	19,400	46.7	166.9	19,800	180
185	42.4	166.8	18,000	43.8	165.0	18,300	44.9	161.2	18,600	185
190	40.5	160.9	16,900	41.9	159.1	17,300	43.0	155.1	17,500	190
195	38.6	154.7	15,900	40.0	152.7	16,300				195
200	36.6	147.9	15,000	37.9	145.9	15,300				200
205	34.5	140.7	14,100	35.8	138.5	14,400				205
210	32.3	132.8	12,900	33.5	130.5	13,400				210
215	29.9	124.2	11,500							215
220	27.3	114.6	10,100							220
225	24.5	103.9	8,800							225
230	21.3	91.4	7,400							230

# MLC250 S-3

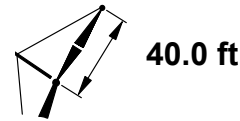
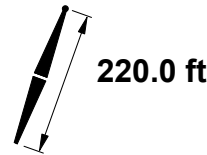
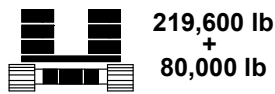
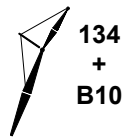
ASME B30.5



	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	47,800	75.1	245.3	45,000	76.6	242.7	36,600	80
85	72.3	244.9	47,200	73.8	243.7	44,600	75.4	241.0	35,700	85
90	71.1	243.2	46,700	72.6	241.9	44,300	74.1	239.2	34,900	90
95	69.8	241.3	46,200	71.4	240.0	44,000	72.9	237.3	34,100	95
100	68.6	239.3	45,800	70.2	238.0	43,700	71.6	235.3	33,300	100
105	67.4	237.2	45,300	68.9	235.9	43,400	70.4	233.2	32,600	105
110	66.1	235.0	44,900	67.6	233.7	43,200	69.1	230.9	31,900	110
115	64.8	232.6	42,000	66.4	231.3	42,900	67.8	228.4	31,300	115
120	63.6	230.1	39,200	65.1	228.7	40,100	66.5	225.9	30,700	120
125	62.3	227.4	36,700	63.8	226.0	37,500	65.2	223.2	30,100	125
130	60.9	224.6	34,300	62.4	223.2	35,200	63.8	220.3	29,600	130
135	59.6	221.6	32,200	61.1	220.2	33,000	62.5	217.3	29,100	135
140	58.3	218.5	30,200	59.7	217.1	30,900	61.1	214.1	28,600	140
145	56.9	215.2	28,400	58.3	213.8	29,100	59.7	210.7	28,100	145
150	55.5	211.7	26,700	56.9	210.3	27,300	58.3	207.1	27,700	150
155	54.1	208.1	25,100	55.5	206.6	25,700	56.8	203.4	26,300	155
160	52.6	204.2	23,600	54.1	202.7	24,200	55.3	199.5	24,700	160
165	51.1	200.2	22,200	52.6	198.6	22,800	53.8	195.3	23,200	165
170	49.6	195.9	20,900	51.0	194.3	21,400	52.3	190.9	21,900	170
175	48.1	191.4	19,700	49.5	189.7	20,200	50.7	186.3	20,600	175
180	46.5	186.6	18,600	47.9	184.9	19,000	49.0	181.3	19,400	180
185	44.9	181.5	17,500	46.2	179.8	17,900	47.4	176.1	18,200	185
190	43.2	176.2	16,400	44.5	174.4	16,800	45.6	170.6	17,100	190
195	41.5	170.5	15,500	42.8	168.7	15,800	43.8	164.7	16,100	195
200	39.7	164.5	14,500	41.0	162.6	14,900				200
205	37.8	158.0	13,700	39.1	156.0	13,900				205
210	35.8	151.1	12,800	37.1	149.0	13,100				210
215	33.8	143.7	11,600	35.0	141.4	12,100				215
220	31.6	135.6	10,300	32.8	133.2	10,800				220
225	29.3	126.7	9,000							225
230	26.7	116.9	7,800							230
235	24.0	105.9	6,500							235

# MLC250 S-3

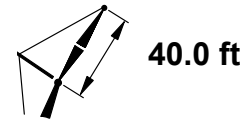
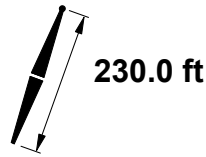
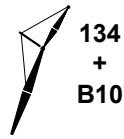
ASME B30.5



ft	5°			15°			25°			ft
	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	47,700	75.7	255.8	44,900	77.1	253.1	37,000	80
85	73.0	255.5	47,200	74.5	254.2	44,500	76.0	251.5	36,100	85
90	71.8	253.8	46,700	73.3	252.5	44,200	74.8	249.8	35,300	90
95	70.7	252.0	46,200	72.1	250.7	44,000	73.6	248.0	34,500	95
100	69.5	250.1	45,700	71.0	248.8	43,600	72.4	246.1	33,800	100
105	68.3	248.1	45,300	69.8	246.8	43,400	71.2	244.0	33,100	105
110	67.1	245.9	44,600	68.6	244.6	43,200	70.0	241.8	32,400	110
115	65.9	243.7	41,500	67.3	242.3	42,600	68.7	239.5	31,800	115
120	64.7	241.3	38,800	66.1	239.9	39,700	67.5	237.1	31,200	120
125	63.4	238.7	36,200	64.9	237.4	37,100	66.2	234.5	30,600	125
130	62.2	236.1	33,900	63.6	234.7	34,800	65.0	231.8	30,000	130
135	60.9	233.2	31,800	62.3	231.9	32,600	63.7	228.9	29,500	135
140	59.6	230.3	29,800	61.1	228.9	30,500	62.4	225.9	29,000	140
145	58.3	227.2	28,000	59.7	225.7	28,700	61.0	222.7	28,600	145
150	57.0	223.9	26,200	58.4	222.4	26,900	59.7	219.4	27,600	150
155	55.7	220.4	24,700	57.1	219.0	25,300	58.3	215.8	25,900	155
160	54.3	216.8	23,200	55.7	215.3	23,800	56.9	212.1	24,300	160
165	52.9	213.0	21,800	54.3	211.5	22,400	55.5	208.2	22,900	165
170	51.5	209.0	20,500	52.9	207.4	21,000	54.1	204.1	21,500	170
175	50.1	204.8	19,300	51.4	203.2	19,800	52.6	199.8	20,200	175
180	48.6	200.3	18,100	49.9	198.7	18,600	51.1	195.3	19,000	180
185	47.1	195.7	17,000	48.4	194.0	17,500	49.5	190.4	17,800	185
190	45.5	190.7	16,000	46.9	189.0	16,400	47.9	185.4	16,800	190
195	43.9	185.5	15,000	45.2	183.8	15,400	46.3	180.0	15,700	195
200	42.3	180.0	14,100	43.6	178.2	14,500	44.6	174.3	14,700	200
205	40.6	174.2	13,200	41.9	172.3	13,600	42.8	168.2	13,800	205
210	38.8	168.0	12,400	40.1	166.0	12,700				210
215	37.0	161.3	11,600	38.2	159.3	11,900				215
220	35.1	154.2	10,400	36.3	152.1	11,000				220
225	33.1	146.6	9,200	34.3	144.3	9,700				225
230	31.0	138.3	8,000	32.1	135.9	8,400				230
235	28.7	129.2	6,800							235
240	26.2	119.2	5,700							240
245	23.5	107.9	4,500							245

# MLC250 S-3

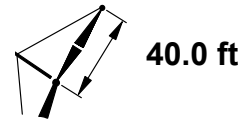
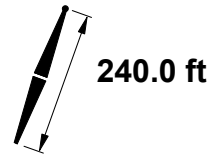
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
55	80.2		273.4	50,300						55
60	79.1		272.4	49,600						60
65	78.0		271.3	49,100						65
70	76.9		270.1	48,600						70
75	75.8		268.9	48,000						75
80	74.7		267.5	47,500						80
85	73.6		266.0	47,000						85
90	72.5		264.4	46,600						90
95	71.4		262.6	46,100						95
100	70.3		260.8	45,700						100
105	69.1		258.9	45,200						105
110	68.0		256.8	44,000						110
115	66.8		254.7	41,000						115
120	65.7		252.4	38,200						120
125	64.5		249.9	35,600						125
130	63.3		247.4	33,300						130
135	62.1		244.7	31,200						135
140	60.9		241.9	29,200						140
145	59.6		238.9	27,400						145
150	58.4		235.8	25,700						150
155	57.1		232.6	24,100						155
160	55.8		229.1	22,600						160
165	54.5		225.6	21,200						165
170	53.2		221.8	19,900						170
175	51.8		217.8	18,700						175
180	50.5		213.7	17,500						180
185	49.1		209.3	16,400						185
190	47.6		204.7	15,400						190
195	46.1		199.9	14,400						195
200	44.6		194.8	13,500						200
205	43.1		189.4	12,600						205
210	41.5		183.7	11,800						210
215	39.8		177.7	11,000						215
220	38.1		171.3	10,100						220
225	36.3		164.5	9,000						225
230	34.4		157.3	7,800						230
235	32.4		149.4	6,700						235
240	30.3		140.9	5,600						240
245	28.1		131.7	4,500						245

# MLC250 S-3

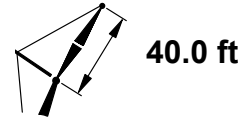
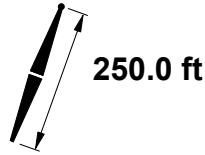
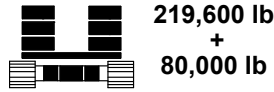
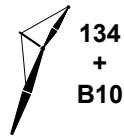
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	80.6	283.6	49,800							55
60	79.5	282.6	49,300							60
65	78.5	281.6	48,800							65
70	77.4	280.4	48,300							70
75	76.4	279.2	47,800				80.3	276.5	39,600	75
80	75.3	277.9	47,300	80.9	281.4	45,700	79.2	275.3	38,700	80
85	74.2	276.4	46,800	76.7	276.6	44,500	78.1	273.9	37,800	85
90	73.2	274.9	46,400	75.6	275.1	44,200	77.0	272.5	36,900	90
95	72.1	273.2	46,000	74.6	273.6	43,900	75.9	270.9	36,100	95
100	71.0	271.5	45,500	73.5	271.9	43,600	74.8	269.2	35,300	100
105	69.9	269.6	45,100	72.4	270.2	43,400	73.7	267.4	34,600	105
110	68.8	267.6	43,600	71.3	268.3	43,200	72.6	265.6	33,900	110
115	67.7	265.6	40,500	70.2	266.3	42,900	71.5	263.6	33,300	115
120	66.6	263.4	37,700	69.1	264.2	41,600	70.4	261.4	32,600	120
125	65.5	261.1	35,200	68.0	262.0	38,800	69.3	259.2	32,000	125
130	64.3	258.6	32,900	66.8	259.7	36,200	68.1	256.9	31,500	130
135	63.2	256.1	30,700	65.7	257.3	33,800	67.0	254.4	30,900	135
140	62.0	253.4	28,700	64.5	254.7	31,600	65.8	251.8	30,400	140
145	60.8	250.6	26,900	63.4	252.0	29,600	64.6	249.0	29,900	145
150	59.6	247.6	25,200	62.2	249.2	27,700	63.4	246.2	28,500	150
155	58.4	244.5	23,600	61.0	246.2	26,000	62.2	243.2	26,700	155
160	57.2	241.3	22,100	59.8	243.1	24,300	61.0	240.0	25,000	160
165	56.0	237.8	20,700	58.5	239.8	22,800	59.7	236.7	23,400	165
170	54.7	234.3	19,400	57.3	236.4	21,400	58.5	233.2	22,000	170
175	53.5	230.5	18,200	56.0	232.8	20,000	57.2	229.6	20,600	175
180	52.2	226.6	17,100	54.7	229.0	18,800	55.9	225.8	19,300	180
185	50.8	222.5	16,000	53.4	225.1	17,600	54.5	221.8	18,100	185
190	49.5	218.2	14,900	52.1	220.9	16,500	53.2	217.6	16,900	190
195	48.1	213.7	14,000	50.7	216.6	15,400	51.8	213.2	15,800	195
200	46.7	209.0	13,000	49.3	212.1	14,400	50.4	208.5	14,800	200
205	45.2	204.0	12,200	47.9	207.3	13,500	48.9	203.7	13,800	205
210	43.8	198.8	11,300	46.5	202.3	12,600	47.5	198.6	12,900	210
215	42.2	193.2	10,500	45.0	197.0	11,700	45.9	193.2	12,000	215
220	40.7	187.4	9,800	43.4	191.4	10,900	44.4	187.5	11,200	220
225	39.0	181.2	8,900	41.8	185.5	10,100				225
230	37.3	174.7	7,700	40.2	179.3	9,400				230
235	35.6	167.7	6,600	38.5	172.6	8,300				235
240	33.8	160.2	5,600	36.7	165.6	7,200				240
245	31.8	152.2	4,500	34.8	158.0	6,100				245
				32.9	149.8	5,000				245

# MLC250 S-3

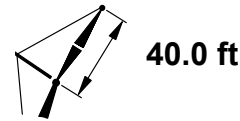
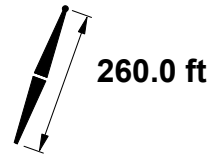
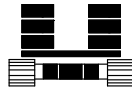
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
55	80.9	293.7	49,400							55
60	79.9	292.8	48,900							60
65	78.9	291.8	48,400							65
70	77.9	290.7	47,900	80.2	290.6	45,100				70
75	76.8	289.5	47,400	79.2	289.5	44,800	80.6	286.8	39,900	75
80	75.8	288.2	47,000	78.2	288.3	44,500	79.6	285.6	39,000	80
85	74.8	286.8	46,500	77.2	287.0	44,200	78.5	284.3	38,100	85
90	73.8	285.3	46,100	76.2	285.6	43,900	77.5	282.9	37,300	90
95	72.7	283.8	45,700	75.1	284.1	43,700	76.5	281.4	36,500	95
100	71.7	282.1	45,300	74.1	282.5	43,500	75.4	279.8	35,700	100
105	70.6	280.3	44,900	73.0	280.8	43,200	74.3	278.0	35,000	105
110	69.6	278.4	44,500	72.0	279.0	43,000	73.3	276.2	34,300	110
115	68.5	276.4	44,100	70.9	277.1	42,800	72.2	274.3	33,700	115
120	67.4	274.3	43,700	69.8	275.1	41,800	71.1	272.3	33,000	120
125	66.4	272.1	43,300	68.8	273.0	38,900	70.0	270.1	32,400	125
130	65.3	269.8	42,900	67.7	270.7	36,300	68.9	267.9	31,900	130
135	64.2	267.3	42,500	66.6	268.4	34,000	67.8	265.5	31,300	135
140	63.1	264.7	42,100	65.5	265.9	31,800	66.7	263.0	30,800	140
145	61.9	262.0	41,700	64.4	263.4	29,700	65.6	260.4	30,300	145
150	60.8	259.2	41,300	63.2	260.6	27,800	64.4	257.7	28,600	150
155	59.7	256.3	40,900	62.1	257.8	26,100	63.3	254.8	26,800	155
160	58.5	253.2	40,500	60.9	254.8	24,500	62.1	251.8	25,100	160
165	57.3	249.9	40,100	59.8	251.7	23,000	60.9	248.7	23,600	165
170	56.1	246.5	39,700	58.6	248.5	21,500	59.7	245.4	22,100	170
175	54.9	243.0	39,300	57.4	245.1	20,200	58.5	241.9	20,800	175
180	53.7	239.3	38,900	56.2	241.5	18,900	57.3	238.3	19,500	180
185	52.4	235.4	38,500	54.9	237.8	17,800	56.0	234.5	18,200	185
190	51.2	231.4	38,100	53.7	233.9	16,600	54.7	230.6	17,100	190
195	49.9	227.1	37,700	52.4	229.8	15,600	53.4	226.4	16,000	195
200	48.5	222.7	37,300	51.1	225.5	14,600	52.1	222.1	15,000	200
205	47.2	218.0	36,900	49.8	221.0	13,600	50.8	217.5	14,000	205
210	45.8	213.2	36,500	48.4	216.4	12,700	49.4	212.8	13,100	210
215	44.4	208.0	36,100	47.0	211.4	11,900	48.0	207.7	12,200	215
220	42.9	202.7	35,700	45.6	206.3	11,000	46.5	202.5	11,300	220
225	41.5	197.0	35,300	44.1	200.8	10,300	45.0	196.9	10,500	225
230	39.9	191.0	34,900	42.6	195.1	9,500	43.5	191.1	9,800	230
235	38.3	184.7	34,500	41.0	189.0	8,800				235
240	36.7	177.9	34,100	39.4	182.6	7,900				240
245	34.9	170.8	33,700	37.8	175.8	6,800				245
250	33.1	163.2	33,300	36.0	168.6	5,700				250
				34.2	160.9	4,700				250

# MLC250 S-3

ASME B30.5

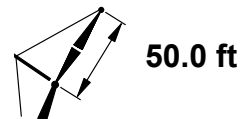
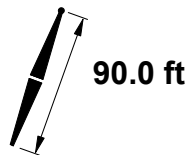
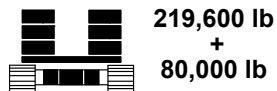


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	80.2	303.0	48,400							60
65	79.3	302.0	47,900							65
70	78.3	301.0	47,500							70
75	77.3	299.8	47,000	80.6	299.7	44,400	80.9	297.0	40,200	75
80	76.3	298.6	46,600	79.6	298.5	44,200	79.9	295.9	39,300	80
85	75.3	297.2	46,100	78.6	297.3	43,900	78.9	294.6	38,500	85
90	74.3	295.8	45,800	77.6	297.3	43,900	77.9	293.2	37,600	90
95	73.3	294.3	45,300	76.6	295.9	43,600	76.9	291.8	36,800	95
100	72.3	292.6	45,000	75.6	294.5	43,400	75.9	290.2	36,100	100
105	71.3	290.9	44,600	74.6	293.0	43,200	74.9	288.6	35,400	105
110	70.3	289.1	43,300	73.6	291.3	42,900	73.9	286.9	34,700	110
115	69.3	287.2	40,200	72.6	289.6	42,700	72.8	285.0	34,000	115
120	68.2	285.2	37,400	71.6	287.8	42,500	71.8	283.1	33,400	120
125	67.2	283.0	34,900	70.6	285.9	41,400	70.8	281.0	32,800	125
130	66.2	280.8	32,600	69.5	283.8	38,500	69.7	278.8	32,300	130
135	65.1	278.4	30,400	68.5	281.7	35,900	68.6	276.6	31,700	135
140	64.0	276.0	28,400	67.4	279.4	33,500	67.6	274.2	31,200	140
145	63.0	273.4	26,600	66.4	277.1	31,300	66.5	271.7	30,100	145
150	61.9	270.7	24,900	65.3	274.6	29,300	65.4	269.1	28,200	150
155	60.8	267.9	23,300	64.2	272.0	27,400	64.3	266.3	26,400	155
160	59.7	264.9	21,800	63.1	269.3	25,700	63.2	263.4	24,800	160
165	58.6	261.8	20,400	62.0	266.5	24,100	62.0	260.4	23,200	165
170	57.4	258.6	19,100	60.9	263.5	22,500	60.9	257.3	21,700	170
175	56.3	255.2	17,900	59.8	260.4	21,100	59.7	254.0	20,400	175
180	55.1	251.7	16,700	58.6	257.1	19,800	58.6	250.6	19,100	180
185	53.9	248.1	15,700	57.5	253.8	18,500	57.4	247.0	17,900	185
190	52.7	244.2	14,600	56.3	250.2	17,300	56.2	243.3	16,700	190
195	51.5	240.2	13,700	55.1	246.5	16,200	54.9	239.3	15,600	195
200	50.2	236.0	12,700	53.9	242.7	15,200	53.7	235.3	14,600	200
205	49.0	231.7	11,900	52.7	238.6	14,200	52.4	231.0	13,600	205
210	47.7	227.1	11,000	51.4	234.4	13,200	51.1	226.5	12,700	210
215	46.3	222.3	10,200	50.1	230.0	12,300	49.8	221.8	11,800	215
220	45.0	217.3	9,500	48.8	225.4	11,400	48.4	216.9	11,000	220
225	43.6	212.0	8,700	47.5	220.6	10,600	47.0	211.7	10,100	225
230	42.2	206.5	8,100	46.1	215.5	9,800	45.6	206.3	9,400	230
235	40.7	200.6	7,100	44.7	210.2	9,100	44.2	200.6	8,600	235
240	39.2	194.5	6,100	43.3	204.6	8,400				240
245	37.6	188.0	5,100	41.8	198.7	7,700				245
250	36.0	181.1	4,100	40.3	192.5	6,700				250
				38.7	186.0	5,600				
				37.1	179.0	4,600				



# MLC250 S-3

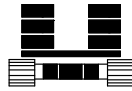
ASME B30.5



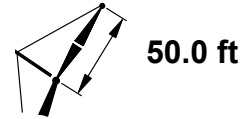
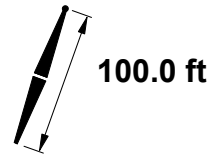
	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
35	79.7	144.9	45,400							35
40	77.6	143.7	44,100							40
45	75.4	142.3	42,900	79.0	141.1	39,800				45
50	73.3	140.7	41,700	76.8	139.5	38,900	80.5	136.9	32,500	50
55	71.1	138.9	40,700	74.6	137.7	38,000	78.3	135.1	30,700	55
60	68.9	136.8	39,700	72.4	135.6	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	23,400							135

# MLC250 S-3

ASME B30.5



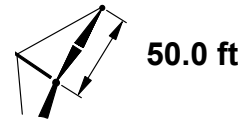
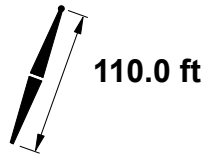
219,600 lb  
+  
80,000 lb



ft	5°			15°			25°			ft
	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	28,000	44.7	102.5	23,900	47.3	98.5	19,700	120
125	38.7	98.1	26,900	41.6	96.1	23,100	44.0	91.8	19,300	125
130	35.4	91.0	25,900	38.2	88.8	22,500				130
135	31.8	82.9	24,900	34.5	80.5	21,900				135
140	27.7	73.4	24,100							140
145	22.9	61.8	23,300							145

# MLC250 S-3

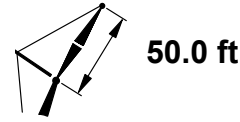
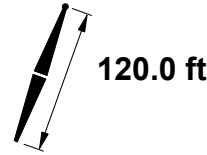
ASME B30.5



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	33,600	56.0	131.4	27,700	58.7	128.1	22,000	105
110	50.7	128.8	32,400	53.6	127.2	26,700	56.3	123.7	21,400	110
115	48.3	124.3	31,000	51.2	122.6	25,900	53.7	119.0	20,800	115
120	45.8	119.3	29,700	48.6	117.6	25,000	51.1	113.8	20,400	120
125	43.2	113.9	28,500	45.9	112.1	24,200	48.3	108.1	19,900	125
130	40.4	107.9	27,400	43.1	106.0	23,500	45.3	101.7	19,400	130
135	37.4	101.3	26,500	40.0	99.2	22,900				135
140	34.2	93.9	25,500	36.8	91.6	22,200				140
145	30.7	85.5	24,700	33.1	83.0	21,700				145
150	26.7	75.6	23,900							150
155	22.1	63.6	23,200							155

# MLC250 S-3

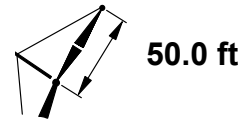
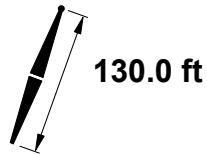
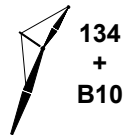
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.8	174.5	45,000							40
45	78.1	173.3	43,900							45
50	76.3	172.0	42,900							50
55	74.6	170.6	42,000				80.5	166.5	32,500	55
60	72.8	168.9	41,100				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	34,300	58.4	144.0	28,900	61.0	140.7	22,600	105
110	53.5	141.8	33,600	56.2	140.2	27,800	58.8	136.8	22,000	110
115	51.3	137.7	32,700	54.0	136.1	26,900	56.5	132.5	21,400	115
120	49.1	133.3	31,400	51.8	131.6	26,000	54.2	127.9	21,000	120
125	46.7	128.5	30,200	49.4	126.7	25,200	51.7	122.9	20,400	125
130	44.3	123.3	29,000	46.9	121.4	24,500	49.2	117.5	20,000	130
135	41.8	117.6	28,000	44.3	115.7	23,800	46.5	111.5	19,600	135
140	39.1	111.4	27,100	41.6	109.3	23,200	43.6	104.8	19,200	140
145	36.2	104.5	26,100	38.6	102.3	22,600				145
150	33.1	96.8	25,300	35.5	94.4	22,100				150
155	29.7	88.0	24,500	32.0	85.3	21,600				155
160	25.9	77.8	23,800							160
165	21.3	65.4	23,100							165

# MLC250 S-3

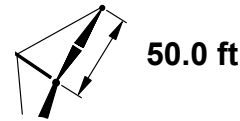
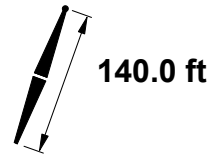
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.4		184.7							40
45	78.7		183.6							45
50	77.1		182.4							50
55	75.5		181.0							55
60	73.8		179.5							60
65	72.1		177.8							65
70	70.4		175.9							70
75	68.7		173.9							75
80	66.9		171.7							80
85	65.2		169.3							85
90	63.4		166.7							90
95	61.6		164.0							95
100	59.7		161.0							100
105	57.8		157.7							105
110	55.9		154.3							110
115	53.9		150.5							115
120	51.9		146.5							120
125	49.8		142.2							125
130	47.6		137.6							130
135	45.3		132.5							135
140	43.0		127.1							140
145	40.5		121.2							145
150	37.9		114.7							150
155	35.1		107.5							155
160	32.1		99.5							160
165	28.8		90.4							165
170	25.1		79.9							170

# MLC250 S-3

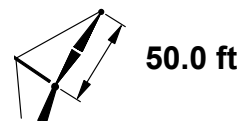
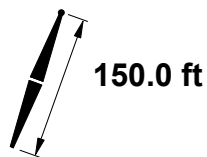
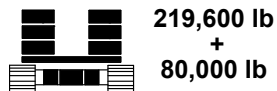
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
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	36,100	64.0	171.1	32,100	66.4	167.9	24,400	100
105	59.7	169.6	35,400	62.2	168.1	31,000	64.6	164.8	23,700	105
110	57.9	166.4	34,800	60.4	164.9	29,900	62.8	161.5	23,100	110
115	56.1	163.0	34,300	58.6	161.4	28,900	60.9	158.0	22,600	115
120	54.2	159.3	33,700	56.7	157.7	28,000	58.9	154.2	22,100	120
125	52.3	155.4	33,200	54.7	153.7	27,200	56.9	150.1	21,600	125
130	50.3	151.1	32,100	52.7	149.4	26,400	54.9	145.7	21,000	130
135	48.3	146.6	31,000	50.7	144.9	25,600	52.8	141.0	20,600	135
140	46.2	141.7	29,900	48.5	139.9	25,000	50.6	135.9	20,200	140
145	44.0	136.5	28,900	46.3	134.6	24,300	48.3	130.4	19,900	145
150	41.7	130.8	27,900	44.0	128.8	23,700	45.9	124.5	19,500	150
155	39.3	124.6	27,100	41.6	122.5	23,100	43.3	117.9	19,200	155
160	36.8	117.9	26,300	39.0	115.7	22,600				160
165	34.1	110.5	25,600	36.2	108.1	22,100				165
170	31.2	102.2	24,800	33.2	99.6	21,700				170
175	28.0	92.8	23,500							175
180	24.4	81.9	21,600							180

# MLC250 S-3

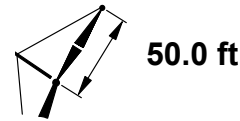
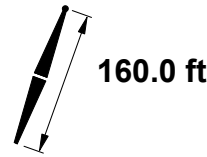
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.9	204.0	44,400							45
50	78.4	203.0	43,500	80.9	201.6	40,000				50
55	76.9	201.7	42,700	79.4	200.4	39,500				55
60	75.5	200.4	42,000	77.9	199.0	38,900	80.5	196.1	32,400	60
65	74.0	198.9	41,200	76.4	197.5	38,300	78.9	194.5	31,200	65
70	72.5	197.2	40,500	74.9	195.8	37,600	77.4	192.9	30,100	70
75	70.9	195.4	39,800	73.4	194.0	37,100	75.8	191.0	29,100	75
80	69.4	193.5	39,100	71.8	192.1	36,500	74.3	189.0	28,200	80
85	67.8	191.4	38,500	70.3	190.0	35,900	72.7	186.9	27,200	85
90	66.3	189.1	37,900	68.7	187.7	35,500	71.1	184.6	26,400	90
95	64.7	186.7	37,300	67.1	185.2	34,400	69.4	182.1	25,700	95
100	63.1	184.1	36,600	65.4	182.6	33,100	67.8	179.4	24,900	100
105	61.4	181.3	36,000	63.8	179.8	32,000	66.1	176.5	24,300	105
110	59.7	178.3	35,300	62.1	176.8	30,900	64.4	173.4	23,600	110
115	58.0	175.1	34,800	60.4	173.5	29,900	62.6	170.1	23,100	115
120	56.3	171.7	34,200	58.6	170.1	29,000	60.8	166.6	22,500	120
125	54.5	168.1	33,700	56.9	166.4	28,100	59.0	162.9	22,100	125
130	52.7	164.2	33,200	55.0	162.5	27,300	57.1	158.9	21,600	130
135	50.9	160.0	32,500	53.1	158.3	26,600	55.2	154.6	21,100	135
140	48.9	155.6	31,400	51.2	153.8	25,800	53.2	150.0	20,700	140
145	47.0	150.9	30,300	49.2	149.0	25,200	51.1	145.0	20,300	145
150	44.9	145.8	29,300	47.1	143.9	24,600	49.0	139.7	20,000	150
155	42.8	140.3	28,400	45.0	138.3	24,000	46.8	134.0	19,700	155
160	40.6	134.4	26,900	42.7	132.3	23,400	44.4	127.8	19,300	160
165	38.3	128.0	25,500	40.4	125.8	22,900				165
170	35.8	121.0	24,200	37.8	118.7	22,500				170
175	33.2	113.3	23,000	35.2	110.8	22,000				175
180	30.3	104.8	21,800	32.2	102.1	21,600				180
185	27.2	95.1	20,300							185
190	23.7	83.9	18,400							190

# MLC250 S-3

ASME B30.5

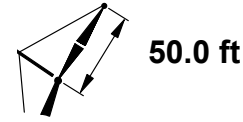
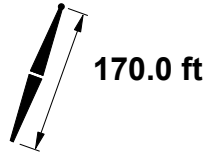
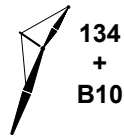


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
45	80.4	214.2	44,400							45
50	79.0	213.2	43,600							50
55	77.6	212.0	42,800	80.0	210.7	39,500				55
60	76.2	210.7	42,100	78.5	209.4	39,000	81.0	206.4	32,800	60
65	74.8	209.3	41,400	77.1	207.9	38,500	79.5	205.0	31,700	65
70	73.3	207.8	40,700	75.7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



# MLC250 S-3

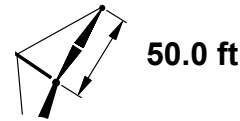
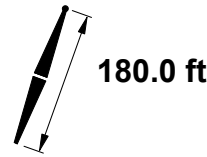
ASME B30.5



	5°			15°			25°			
	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	37,900	69.3	207.3	35,500	71.5	204.2	26,700	95
100	65.7	206.5	37,500	67.9	205.0	35,000	70.0	201.8	25,900	100
105	64.3	204.0	36,800	66.4	202.5	33,900	68.5	199.3	25,300	105
110	62.8	201.4	36,200	64.9	199.9	32,800	67.0	196.6	24,600	110
115	61.3	198.6	35,700	63.4	197.0	31,700	65.5	193.7	24,000	115
120	59.8	195.6	35,100	61.9	194.0	30,800	63.9	190.6	23,500	120
125	58.2	192.4	34,600	60.4	190.8	29,900	62.4	187.4	23,000	125
130	56.7	189.1	34,200	58.8	187.5	29,000	60.7	183.9	22,500	130
135	55.1	185.5	33,700	57.2	183.9	28,200	59.1	180.3	22,000	135
140	53.4	181.8	32,600	55.5	180.1	27,500	57.4	176.4	21,700	140
145	51.8	177.8	30,800	53.8	176.0	26,900	55.7	172.2	21,200	145
150	50.0	173.5	29,100	52.1	171.7	26,100	53.9	167.8	20,900	150
155	48.3	169.0	27,500	50.3	167.1	25,500	52.1	163.1	20,500	155
160	46.5	164.2	26,000	48.5	162.3	25,000	50.2	158.1	20,200	160
165	44.6	159.0	24,600	46.6	157.1	24,400	48.3	152.8	19,900	165
170	42.7	153.5	23,300	44.6	151.5	23,800	46.2	147.0	19,600	170
175	40.7	147.7	22,100	42.6	145.5	22,500	44.1	140.9	19,300	175
180	38.6	141.3	20,900	40.5	139.1	21,300				180
185	36.4	134.5	19,800	38.2	132.1	20,200				185
190	34.0	127.0	18,800	35.8	124.5	19,100				190
195	31.5	118.9	17,800	33.3	116.2	18,100				195
200	28.8	109.8	16,400							200
205	25.9	99.6	14,700							205
210	22.5	87.7	13,100							210

# MLC250 S-3

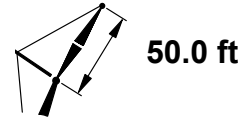
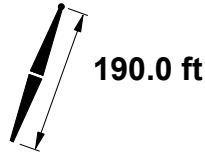
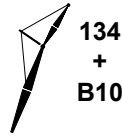
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
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							70
75	73.5	227.2	40,400	80.9	231.2	39,500				75
80	72.2	225.5	39,800	79.6	230.0	39,100				80
85	70.9	223.7	39,200	78.3	228.7	38,600	80.5	225.7	32,400	85
90	69.5	221.8	38,700	77.0	227.3	38,200	79.1	224.2	31,300	90
95	68.2	219.7	38,200	75.7	225.7	37,700	77.8	222.7	30,300	95
100	66.8	217.5	37,700	74.3	224.1	37,200	76.5	221.0	29,500	100
105	65.5	215.2	37,100	73.0	222.3	36,700	75.1	219.1	28,600	105
110	64.1	212.7	36,600	71.7	220.3	36,200	73.8	217.2	27,800	110
115	62.7	210.1	36,000	70.3	218.2	35,800	72.4	215.1	27,100	115
120	61.2	207.2	35,600	68.9	216.0	35,300	71.0	212.8	26,400	120
125	59.8	204.3	35,000	67.5	213.7	34,800	69.6	210.4	25,800	125
130	58.3	201.1	34,500	66.1	211.2	33,700	68.2	207.9	25,100	130
135	56.8	197.8	34,100	64.7	208.5	32,600	66.7	205.2	24,500	135
140	55.3	194.3	32,200	63.3	205.7	31,700	65.2	202.3	24,000	140
145	53.7	190.5	30,400	61.8	202.7	30,800	63.8	199.2	23,400	145
150	52.1	186.6	28,700	60.3	199.5	29,900	62.2	196.0	22,900	150
155	50.5	182.4	27,100	58.8	196.1	29,100	60.7	192.6	22,600	155
160	48.8	178.0	25,600	57.3	192.6	28,300	59.1	188.9	22,100	160
165	47.1	173.3	24,200	55.7	188.8	27,600	57.5	185.1	21,700	165
170	45.4	168.3	22,900	54.1	184.8	26,900	55.9	181.0	21,300	170
175	43.6	162.9	21,700	52.5	180.6	26,300	54.2	176.7	20,900	175
180	41.7	157.3	20,500	50.8	176.1	25,700	52.5	172.1	20,600	180
185	39.7	151.2	19,400	49.1	171.4	24,800	50.7	167.2	20,300	185
190	37.7	144.7	18,400	47.3	166.3	23,400	48.9	162.0	20,000	190
195	35.5	137.6	17,400	45.4	160.9	22,200	47.0	156.5	19,700	195
200	33.2	129.9	16,500	43.5	155.2	21,000	45.0	150.6	19,400	200
205	30.8	121.5	15,300	41.5	149.0	19,800	43.0	144.2	19,200	205
210	28.2	112.2	13,800	39.4	142.4	18,800				210
215	25.3	101.7	12,300	37.3	135.2	17,800				215
220	22.0	89.6	10,800	34.9	127.4	16,800				220
				32.4	118.8	15,900				220

# MLC250 S-3

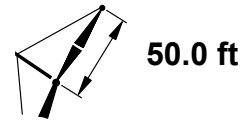
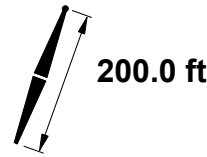
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
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	38,800	72.5	231.0	36,400	74.5	227.9	28,200	90
95	69.2	230.6	38,400	71.2	229.1	35,900	73.2	225.9	27,500	95
100	67.9	228.5	37,800	69.9	227.0	35,500	71.9	223.7	26,800	100
105	66.6	226.2	37,300	68.6	224.7	35,100	70.5	221.5	26,200	105
110	65.2	223.9	36,900	67.2	222.3	34,500	69.2	219.0	25,600	110
115	63.9	221.4	36,400	65.9	219.8	33,500	67.8	216.5	25,000	115
120	62.5	218.7	35,900	64.5	217.1	32,500	66.4	213.8	24,400	120
125	61.2	215.9	35,400	63.1	214.3	31,600	65.0	210.9	23,900	125
130	59.8	212.9	35,000	61.7	211.3	30,700	63.6	207.8	23,400	130
135	58.4	209.8	33,600	60.3	208.2	29,800	62.1	204.6	23,000	135
140	56.9	206.5	31,600	58.9	204.8	29,100	60.7	201.2	22,500	140
145	55.5	203.0	29,800	57.4	201.3	28,400	59.2	197.6	22,100	145
150	54.0	199.3	28,100	55.9	197.6	27,700	57.6	193.8	21,700	150
155	52.5	195.4	26,500	54.4	193.6	27,000	56.1	189.8	21,400	155
160	50.9	191.3	25,000	52.8	189.5	25,700	54.5	185.6	21,000	160
165	49.4	186.9	23,600	51.2	185.1	24,200	52.9	181.1	20,700	165
170	47.7	182.3	22,300	49.6	180.4	22,900	51.2	176.3	20,300	170
175	46.1	177.4	21,100	47.9	175.5	21,600	49.4	171.2	20,000	175
180	44.3	172.3	19,900	46.2	170.2	20,400	47.7	165.9	19,800	180
185	42.6	166.8	18,800	44.4	164.7	19,300	45.8	160.1	19,500	185
190	40.7	160.9	17,800	42.5	158.7	18,200	43.9	154.0	18,600	190
195	38.8	154.6	16,800	40.5	152.4	17,200				195
200	36.8	147.9	15,900	38.5	145.5	16,300				200
205	34.7	140.6	15,000	36.4	138.1	15,300				205
210	32.5	132.8	14,000	34.1	130.1	14,500				210
215	30.1	124.1	12,600	31.7	121.3	13,300				215
220	27.5	114.6	11,300							220
225	24.7	103.8	9,900							225
230	21.5	91.4	8,500							230

# MLC250 S-3

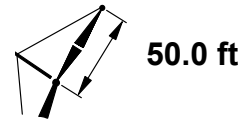
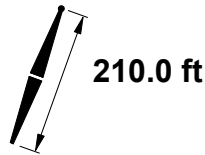
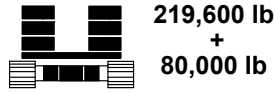
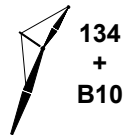
ASME B30.5



ft	5°			15°			25°			ft
	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	38,900	73.2	241.7	36,500	75.2	238.5	28,700	90
95	70.0	241.3	38,400	72.0	239.8	36,100	73.9	236.6	27,900	95
100	68.8	239.3	37,900	70.7	237.8	35,700	72.6	234.6	27,200	100
105	67.6	237.2	37,500	69.5	235.7	35,300	71.4	232.4	26,600	105
110	66.3	234.9	37,100	68.2	233.4	34,900	70.1	230.1	25,900	110
115	65.0	232.6	36,600	66.9	231.0	34,300	68.8	227.7	25,400	115
120	63.7	230.0	36,200	65.7	228.5	33,300	67.5	225.1	24,900	120
125	62.4	227.4	35,700	64.3	225.8	32,400	66.2	222.4	24,300	125
130	61.1	224.6	35,200	63.0	223.0	31,500	64.8	219.5	23,800	130
135	59.8	221.6	33,200	61.7	220.0	30,600	63.4	216.4	23,400	135
140	58.4	218.5	31,200	60.3	216.8	29,900	62.1	213.2	22,900	140
145	57.1	215.2	29,400	58.9	213.5	29,200	60.6	209.9	22,500	145
150	55.7	211.7	27,700	57.5	210.0	28,400	59.2	206.3	22,100	150
155	54.3	208.0	26,100	56.1	206.3	26,800	57.8	202.5	21,700	155
160	52.8	204.2	24,600	54.6	202.4	25,300	56.3	198.6	21,400	160
165	51.3	200.1	23,200	53.1	198.3	23,800	54.7	194.4	21,100	165
170	49.8	195.9	21,900	51.6	194.0	22,500	53.2	190.0	20,700	170
175	48.3	191.3	20,700	50.1	189.4	21,200	51.6	185.3	20,400	175
180	46.7	186.6	19,500	48.4	184.6	20,000	49.9	180.4	20,100	180
185	45.1	181.5	18,400	46.8	179.5	18,900	48.3	175.1	19,300	185
190	43.4	176.2	17,400	45.1	174.1	17,800	46.5	169.6	18,200	190
195	41.6	170.5	16,400	43.3	168.3	16,800	44.7	163.7	17,200	195
200	39.9	164.4	15,500	41.5	162.2	15,900	42.8	157.3	16,200	200
205	38.0	158.0	14,600	39.6	155.7	15,000				205
210	36.0	151.1	13,800	37.6	148.6	14,100				210
215	34.0	143.6	12,900	35.5	141.0	13,200				215
220	31.8	135.5	11,500	33.3	132.8	12,200				220
225	29.5	126.7	10,300							225
230	26.9	116.9	9,000							230
235	24.2	105.9	7,800							235
240	21.0	93.1	6,500							240

# MLC250 S-3

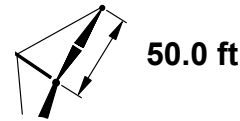
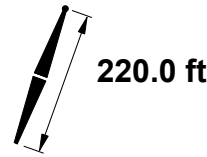
ASME B30.5



	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	80.8	260.7	38,900	78.1	252.4	30,600	80
85	73.2	255.5	39,400	79.7	259.6	38,500	77.0	250.8	29,800	85
90	72.0	253.8	39,000	78.5	258.4	38,100	75.8	249.1	29,000	90
95	70.8	252.0	38,500	77.4	257.0	37,800	74.6	247.3	28,300	95
100	69.7	250.1	38,000	72.7	250.5	36,200	73.4	245.3	27,600	100
105	68.5	248.1	37,600	71.5	248.6	35,800				105
110	67.3	245.9	37,200	70.3	246.5	35,500	72.2	243.3	27,000	110
115	66.1	243.6	36,800	69.1	244.4	35,100	70.9	241.1	26,400	115
120	64.8	241.2	36,400	67.9	242.1	34,700	69.7	238.8	25,800	120
125	63.6	238.7	36,000	66.7	239.7	34,100	68.4	236.3	25,200	125
130	62.4	236.0	34,800	65.4	237.1	33,200	67.2	233.7	24,700	130
135	61.1	233.2	32,700	64.2	234.4	32,300	65.9	231.0	24,200	135
140	59.8	230.3	30,700	62.9	231.6	31,400	64.6	228.1	23,800	140
145	58.5	227.1	28,900	61.6	228.6	30,600	63.3	225.1	23,400	145
150	57.2	223.9	27,200	60.3	225.5	29,700	62.0	221.9	22,900	150
155	55.8	220.4	25,600	59.0	222.2	28,000	60.6	218.5	22,600	155
160	54.5	216.8	24,100	57.6	218.7	26,300	59.2	215.0	22,200	160
165	53.1	213.0	22,700	56.2	215.0	24,800	57.8	211.3	21,800	165
170	51.7	209.0	21,400	54.9	211.2	23,400	56.4	207.3	21,400	170
175	50.2	204.8	20,200	53.4	207.2	22,000	55.0	203.2	21,100	175
180	48.8	200.3	19,000	52.0	202.9	20,800	53.5	198.9	20,800	180
185	47.3	195.6	17,900	50.5	198.4	19,600	52.0	194.3	20,100	185
190	45.7	190.7	16,900	49.0	193.7	18,500	50.4	189.5	18,900	190
195	44.1	185.5	15,900	47.4	188.7	17,400	48.8	184.4	17,800	195
200	42.5	180.0	15,000	45.8	183.4	16,400	47.1	179.0	16,800	200
205	40.8	174.1	14,100	44.1	177.9	15,400	45.4	173.2	15,800	205
210	39.0	167.9	13,300	42.4	171.9	14,500	43.7	167.1	14,800	210
215	37.2	161.3	12,500	40.6	165.6	13,600				215
220	35.3	154.2	11,600	38.8	158.9	12,800				220
225	33.3	146.5	10,300	36.8	151.7	12,000				225
230	31.1	138.2	9,100	34.8	143.9	11,000				230
235	28.8	129.2	8,000	32.6	135.4	9,700				235
240	26.4	119.2	6,800							240
245	23.7	107.9	5,600							245

# MLC250 S-3

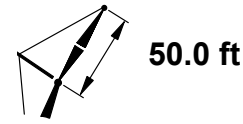
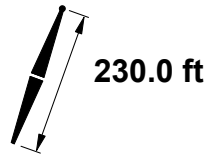
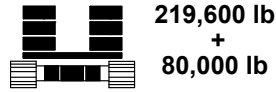
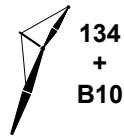
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
55	80.4	273.4	42,500							55
60	79.3	272.4	41,900							60
65	78.2	271.3	41,400	80.1	269.9	38,400				65
70	77.1	270.1	40,800	79.0	268.7	38,000	80.8	265.5	32,700	70
75	76.0	268.8	40,400	77.9	267.4	37,700	79.7	264.2	31,800	75
80	74.9	267.4	39,900	76.8	266.0	37,400	78.6	262.8	30,900	80
85	73.8	265.9	39,400	75.6	264.5	37,000	77.5	261.3	30,100	85
90	72.7	264.3	38,900	74.5	262.8	36,700	76.3	259.6	29,400	90
95	71.6	262.6	38,500	73.4	261.1	36,300	75.2	257.9	28,700	95
100	70.5	260.8	38,100	72.3	259.3	35,900	74.0	256.0	28,000	100
105	69.3	258.9	37,600	71.1	257.3	35,500	72.9	254.0	27,300	105
110	68.2	256.8	37,200	70.0	255.3	35,100	71.7	252.0	26,800	110
115	67.0	254.6	36,900	68.8	253.1	34,900	70.5	249.7	26,200	115
120	65.8	252.3	36,500	67.6	250.8	34,600	69.3	247.4	25,600	120
125	64.7	249.9	36,100	66.4	248.3	33,900	68.1	244.9	25,100	125
130	63.5	247.4	34,400	65.2	245.8	33,000	66.9	242.3	24,600	130
135	62.3	244.7	32,200	64.0	243.1	32,100	65.7	239.6	24,100	135
140	61.0	241.9	30,300	62.8	240.2	31,200	64.4	236.7	23,700	140
145	59.8	238.9	28,400	61.5	237.3	29,300	63.2	233.7	23,300	145
150	58.6	235.8	26,700	60.3	234.1	27,600	61.9	230.5	22,900	150
155	57.3	232.5	25,100	59.0	230.8	25,900	60.6	227.2	22,500	155
160	56.0	229.1	23,600	57.7	227.4	24,400	59.3	223.6	22,200	160
165	54.7	225.5	22,200	56.4	223.8	23,000	57.9	220.0	21,800	165
170	53.4	221.8	20,900	55.1	220.0	21,600	56.6	216.1	21,500	170
175	52.0	217.8	19,700	53.7	216.0	20,400	55.2	212.0	21,000	175
180	50.6	213.6	18,600	52.3	211.8	19,200	53.8	207.7	19,700	180
185	49.2	209.3	17,500	50.9	207.4	18,100	52.3	203.2	18,600	185
190	47.8	204.7	16,400	49.4	202.7	17,000	50.8	198.5	17,500	190
195	46.3	199.9	15,500	47.9	197.9	16,000	49.3	193.5	16,400	195
200	44.8	194.8	14,500	46.4	192.7	15,000	47.7	188.3	15,400	200
205	43.2	189.4	13,700	44.8	187.3	14,100	46.1	182.7	14,500	205
210	41.6	183.7	12,800	43.2	181.5	13,200	44.4	176.8	13,600	210
215	40.0	177.7	12,000	41.5	175.4	12,400	42.7	170.5	12,700	215
220	38.2	171.3	11,300	39.8	169.0	11,600				220
225	36.5	164.5	10,400	37.9	162.1	10,900				225
230	34.6	157.2	9,200	36.0	154.6	9,800				230
235	32.6	149.4	8,100	34.0	146.7	8,700				235
240	30.5	140.9	7,000	31.9	138.0	7,500				240
245	28.3	131.6	5,900							245
250	25.9	121.4	4,800							250

# MLC250 S-3

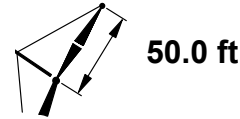
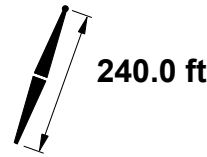
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
55	80.7	283.6	42,200							55
60	79.7	282.6	41,700							60
65	78.6	281.6	41,200	80.4	280.1	38,200				65
70	77.6	280.4	40,700	79.4	278.9	37,900				70
75	76.5	279.2	40,200	78.3	277.7	37,600	80.1	274.5	32,100	75
80	75.5	277.8	39,700	77.2	276.3	37,300	79.0	273.2	31,200	80
85	74.4	276.4	39,300	76.2	274.9	37,000	77.9	271.7	30,400	85
90	73.3	274.8	38,800	75.1	273.3	36,700	76.8	270.1	29,700	90
95	72.3	273.2	38,400	74.0	271.7	36,300	75.7	268.4	29,000	95
100	71.2	271.5	38,000	72.9	269.9	35,900	74.6	266.7	28,300	100
105	70.1	269.6	37,600	71.8	268.1	35,600	73.5	264.8	27,700	105
110	69.0	267.6	37,200	70.7	266.1	35,200	72.4	262.8	27,100	110
115	67.9	265.5	36,800	69.6	264.0	34,900	71.3	260.6	26,600	115
120	66.8	263.3	36,500	68.5	261.8	34,700	70.1	258.4	26,000	120
125	65.6	261.0	36,100	67.3	259.5	34,300	69.0	256.1	25,500	125
130	64.5	258.6	33,800	66.2	257.0	33,800	67.8	253.6	25,100	130
135	63.3	256.0	31,700	65.0	254.4	32,700	66.7	251.0	24,500	135
140	62.2	253.4	29,700	63.9	251.7	30,700	65.5	248.2	24,100	140
145	61.0	250.5	27,800	62.7	248.9	28,800	64.3	245.3	23,700	145
150	59.8	247.6	26,100	61.5	245.9	27,000	63.1	242.3	23,300	150
155	58.6	244.5	24,500	60.3	242.8	25,400	61.8	239.1	22,900	155
160	57.4	241.2	23,000	59.0	239.5	23,900	60.6	235.8	22,500	160
165	56.2	237.8	21,700	57.8	236.1	22,400	59.3	232.3	22,200	165
170	54.9	234.3	20,300	56.5	232.5	21,100	58.0	228.7	21,800	170
175	53.6	230.5	19,100	55.2	228.7	19,800	56.7	224.8	20,500	175
180	52.3	226.6	18,000	53.9	224.8	18,600	55.4	220.8	19,200	180
185	51.0	222.5	16,900	52.6	220.6	17,500	54.0	216.6	18,100	185
190	49.6	218.2	15,800	51.2	216.3	16,400	52.6	212.2	17,000	190
195	48.3	213.7	14,900	49.8	211.7	15,400	51.2	207.5	15,900	195
200	46.9	209.0	13,900	48.4	207.0	14,500	49.7	202.6	14,900	200
205	45.4	204.0	13,100	47.0	201.9	13,500	48.2	197.5	14,000	205
210	43.9	198.7	12,200	45.5	196.6	12,700	46.7	192.1	13,100	210
215	42.4	193.2	11,400	43.9	191.0	11,900	45.1	186.3	12,200	215
220	40.8	187.4	10,700	42.3	185.1	11,100	43.5	180.3	11,400	220
225	39.2	181.2	9,900	40.7	178.9	10,300				225
230	37.5	174.6	8,900	39.0	172.2	9,600				230
235	35.8	167.7	7,800	37.2	165.1	8,500				235
240	33.9	160.2	6,700	35.3	157.6	7,300				240
245	32.0	152.2	5,700	33.3	149.4	6,200				245
250	29.9	143.5	4,700	31.2	140.5	5,200				250

# MLC250 S-3

ASME B30.5

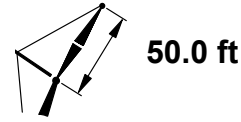
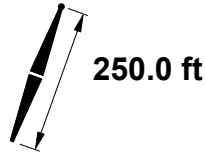
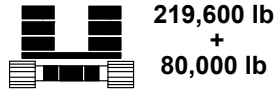
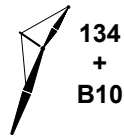


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	80.1	292.8	41,500							60
65	79.0	291.8	40,900							65
70	78.0	290.7	40,500							70
75	77.0	289.5	40,100				80.5	284.8	32,400	75
80	76.0	288.2	39,600				79.4	283.5	31,500	80
85	75.0	286.8	39,100	76.7	285.3	36,900	78.4	282.1	30,800	85
90	73.9	285.3	38,700	75.6	283.8	36,600	77.3	280.6	30,000	90
95	72.9	283.7	38,400	74.6	282.2	36,300	76.3	279.0	29,300	95
100	71.9	282.1	38,000	73.5	280.5	35,900	75.2	277.3	28,700	100
105	70.8	280.3	37,500	72.5	278.7	35,600	74.1	275.4	28,000	105
110	69.8	278.4	37,200	71.4	276.8	35,300	73.1	273.5	27,400	110
115	68.7	276.4	36,800	70.4	274.8	35,000	72.0	271.5	26,900	115
120	67.6	274.3	36,500	69.3	272.7	34,700	70.9	269.3	26,300	120
125	66.5	272.1	35,700	68.2	270.5	34,400	69.8	267.1	25,900	125
130	65.4	269.7	33,300	67.1	268.1	34,100	68.7	264.7	25,400	130
135	64.3	267.3	31,200	66.0	265.7	32,300	67.6	262.2	24,900	135
140	63.2	264.7	29,200	64.9	263.1	30,300	66.4	259.6	24,500	140
145	62.1	262.0	27,400	63.7	260.4	28,400	65.3	256.8	24,100	145
150	61.0	259.2	25,700	62.6	257.5	26,600	64.1	254.0	23,600	150
155	59.8	256.2	24,100	61.4	254.6	25,000	62.9	250.9	23,200	155
160	58.7	253.1	22,600	60.3	251.4	23,400	61.8	247.8	22,900	160
165	57.5	249.9	21,200	59.1	248.2	22,000	60.5	244.5	22,500	165
170	56.3	246.5	19,900	57.9	244.8	20,700	59.3	241.0	21,400	170
175	55.1	243.0	18,700	56.7	241.2	19,400	58.1	237.4	20,100	175
180	53.9	239.3	17,500	55.4	237.5	18,200	56.8	233.6	18,800	180
185	52.6	235.4	16,400	54.2	233.6	17,100	55.5	229.6	17,700	185
190	51.3	231.4	15,400	52.9	229.5	16,000	54.2	225.4	16,600	190
195	50.0	227.1	14,400	51.6	225.2	15,000	52.9	221.1	15,500	195
200	48.7	222.7	13,500	50.2	220.7	14,000	51.5	216.5	14,500	200
205	47.4	218.0	12,600	48.9	216.0	13,100	50.2	211.7	13,600	205
210	46.0	213.1	11,800	47.5	211.1	12,300	48.7	206.7	12,700	210
215	44.6	208.0	11,000	46.0	205.9	11,400	47.3	201.4	11,800	215
220	43.1	202.6	10,200	44.6	200.5	10,600	45.8	195.8	11,000	220
225	41.6	196.9	9,500	43.1	194.7	9,900	44.2	189.9	10,200	225
230	40.1	191.0	8,800	41.5	188.7	9,200	42.6	183.7	9,500	230
235	38.5	184.6	7,700	39.9	182.3	8,400				235
240	36.8	177.9	6,600	38.2	175.4	7,300				240
245	35.1	170.8	5,600	36.5	168.2	6,200				245
250	33.3	163.1	4,600	34.6	160.4	5,200				250
255				32.7	152.1	4,200				255



# MLC250 S-3

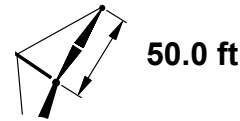
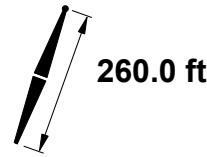
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
60	80.4	303.0	41,100							60
65	79.4	302.0	40,700							65
70	78.4	300.9	40,200	80.1	299.5	37,500				70
75	77.5	299.8	39,800	79.1	298.3	37,200	80.8	295.1	32,600	75
80	76.5	298.5	39,300	78.1	297.0	37,000	79.8	293.8	31,800	80
85	75.5	297.2	39,000	77.1	295.7	36,700	78.8	292.5	31,100	85
90	74.5	295.8	38,600	76.1	294.3	36,500	77.8	291.0	30,300	90
95	73.5	294.2	38,200	75.1	292.7	36,200	76.8	289.5	29,600	95
100	72.5	292.6	37,800	74.1	291.1	35,900	75.7	287.8	29,000	100
105	71.5	290.9	37,400	73.1	289.4	35,600	74.7	286.1	28,400	105
110	70.5	289.1	37,100	72.1	287.5	35,300	73.7	284.2	27,800	110
115	69.4	287.2	36,700	71.1	285.6	35,000	72.6	282.3	27,200	115
120	68.4	285.1	36,300	70.0	283.6	34,700	71.6	280.2	26,700	120
125	67.4	283.0	35,800	69.0	281.4	34,400	70.5	278.0	26,200	125
130	66.3	280.8	33,500	67.9	279.2	34,100	69.5	275.7	25,700	130
135	65.3	278.4	31,300	66.9	276.8	32,400	68.4	273.4	25,300	135
140	64.2	276.0	29,300	65.8	274.3	30,400	67.3	270.8	24,800	140
145	63.1	273.4	27,500	64.7	271.7	28,500	66.2	268.2	24,400	145
150	62.0	270.7	25,800	63.6	269.0	26,700	65.1	265.5	24,000	150
155	60.9	267.9	24,200	62.5	266.2	25,100	64.0	262.6	23,600	155
160	59.8	264.9	22,700	61.4	263.2	23,600	62.8	259.6	23,200	160
165	58.7	261.8	21,300	60.3	260.1	22,100	61.7	256.4	22,800	165
170	57.6	258.6	20,000	59.1	256.9	20,800	60.5	253.1	21,500	170
175	56.4	255.2	18,800	58.0	253.5	19,500	59.4	249.7	20,200	175
180	55.3	251.7	17,600	56.8	249.9	18,300	58.2	246.1	19,000	180
185	54.1	248.0	16,500	55.6	246.2	17,200	56.9	242.3	17,800	185
190	52.9	244.2	15,500	54.4	242.4	16,100	55.7	238.4	16,700	190
195	51.6	240.2	14,500	53.1	238.3	15,100	54.5	234.3	15,700	195
200	50.4	236.0	13,600	51.9	234.1	14,200	53.2	230.0	14,700	200
205	49.1	231.6	12,700	50.6	229.7	13,300	51.9	225.5	13,700	205
210	47.8	227.1	11,900	49.3	225.1	12,400	50.5	220.8	12,800	210
215	46.5	222.3	11,100	48.0	220.2	11,600	49.2	215.8	12,000	215
220	45.2	217.2	10,300	46.6	215.2	10,800	47.8	210.6	11,200	220
225	43.8	212.0	9,600	45.2	209.8	10,000	46.3	205.2	10,400	225
230	42.3	206.4	8,900	43.7	204.2	9,300	44.9	199.5	9,600	230
235	40.9	200.6	8,200	42.3	198.3	8,600	43.3	193.4	8,900	235
240	39.4	194.5	7,200	40.7	192.1	7,900				240
245	37.8	188.0	6,200	39.1	185.6	6,900				245
250	36.2	181.1	5,300	37.5	178.6	5,900				250
255	34.5	173.8	4,300	35.8	171.2	4,900				255

# MLC250 S-3

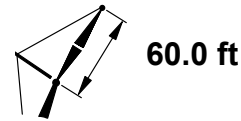
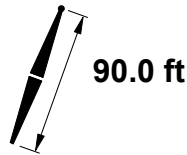
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
60	80.7	313.1	40,800							60
65	79.8	312.2	40,300							65
70	78.8	311.2	39,900	80.4	309.7	37,300				70
75	77.9	310.1	39,500	79.5	308.6	37,000				75
80	76.9	308.8	39,000	78.5	307.3	36,700	80.1	304.1	32,100	80
85	76.0	307.6	38,700	77.6	306.1	36,500	79.2	302.8	31,300	85
90	75.0	306.2	38,300	76.6	304.7	36,300	78.2	301.4	30,600	90
95	74.0	304.7	37,900	75.6	303.2	36,000	77.2	299.9	30,000	95
100	73.1	303.1	37,500	74.7	301.6	35,800	76.2	298.3	29,300	100
105	72.1	301.5	37,200	73.7	299.9	35,500	75.2	296.6	28,700	105
110	71.1	299.7	36,900	72.7	298.2	35,200	74.2	294.9	28,100	110
115	70.1	297.9	36,500	71.7	296.3	34,900	73.2	293.0	27,600	115
120	69.1	295.9	36,200	70.7	294.4	34,700	72.2	291.0	27,100	120
125	68.1	293.9	35,300	69.7	292.3	34,400	71.2	288.9	26,600	125
130	67.1	291.7	33,000	68.7	290.1	34,200	70.2	286.7	26,000	130
135	66.1	289.5	30,900	67.7	287.9	32,000	69.1	284.4	25,600	135
140	65.1	287.1	28,900	66.6	285.5	30,000	68.1	282.0	25,100	140
145	64.1	284.6	27,000	65.6	283.0	28,100	67.1	279.5	24,700	145
150	63.0	282.0	25,300	64.5	280.4	26,300	66.0	276.8	24,300	150
155	62.0	279.3	23,700	63.5	277.7	24,700	64.9	274.1	23,900	155
160	60.9	276.5	22,200	62.4	274.8	23,100	63.8	271.2	23,600	160
165	59.8	273.6	20,800	61.3	271.9	21,700	62.7	268.2	22,500	165
170	58.8	270.5	19,500	60.3	268.8	20,400	61.6	265.0	21,100	170
175	57.7	267.3	18,300	59.1	265.5	19,100	60.5	261.8	19,800	175
180	56.5	263.9	17,200	58.0	262.2	17,900	59.4	258.3	18,600	180
185	55.4	260.4	16,100	56.9	258.6	16,800	58.2	254.8	17,400	185
190	54.3	256.8	15,000	55.7	255.0	15,700	57.1	251.0	16,300	190
195	53.1	253.0	14,100	54.6	251.1	14,700	55.9	247.1	15,300	195
200	51.9	249.0	13,100	53.4	247.1	13,700	54.7	243.1	14,300	200
205	50.7	244.9	12,200	52.2	243.0	12,800	53.4	238.8	13,300	205
210	49.5	240.6	11,400	50.9	238.6	12,000	52.2	234.4	12,400	210
215	48.3	236.1	10,600	49.7	234.1	11,100	50.9	229.8	11,600	215
220	47.0	231.3	9,900	48.4	229.3	10,300	49.6	224.9	10,800	220
225	45.7	226.4	9,100	47.1	224.3	9,600	48.2	219.9	10,000	225
230	44.4	221.3	8,400	45.7	219.1	8,900	46.9	214.5	9,200	230
235	43.0	215.8	7,800	44.4	213.7	8,200	45.5	208.9	8,500	235
240	41.6	210.2	7,000	43.0	207.9	7,500	44.0	203.1	7,800	240
245	40.2	204.2	6,000	41.5	201.9	6,700				245
250	38.7	197.9	5,100	40.0	195.5	5,700				250
255	37.1	191.3	4,100	38.4	188.8	4,800				255

# MLC250 S-3

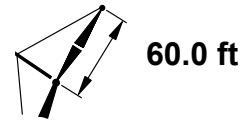
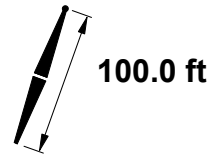
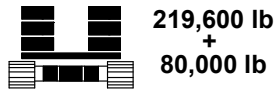
ASME B30.5



	5°			15°			25°			
	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-3

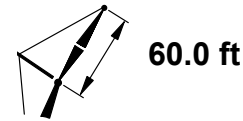
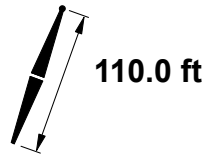
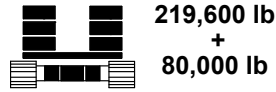
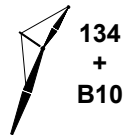
ASME B30.5



ft	5°			15°			25°			ft
	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	19,400							150
155	22.1	63.7	18,700							155

# MLC250 S-3

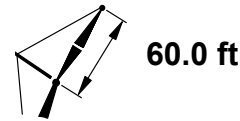
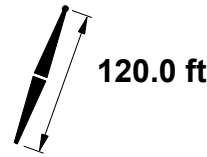
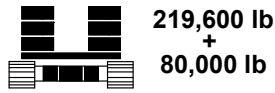
ASME B30.5



	5°			15°			25°			
	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	22,900	45.0	115.7	19,500	47.8	111.2	16,000	135
140	39.1	111.4	22,000	42.2	109.3	18,900	44.9	104.6	15,600	140
145	36.3	104.5	21,200	39.3	102.3	18,400	41.8	97.2	15,300	145
150	33.2	96.8	20,500	36.1	94.4	17,900				150
155	29.8	88.1	19,800	32.6	85.4	17,400				155
160	25.9	77.9	19,200							160
165	21.4	65.5	18,700							165

# MLC250 S-3

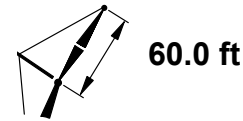
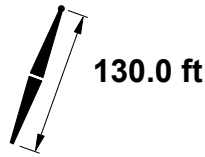
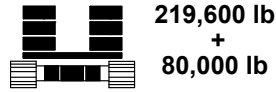
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
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	26,100	52.9	140.5	21,600	55.8	136.6	17,200	125
130	47.6	137.6	25,100	50.7	135.8	20,900	53.5	131.7	16,800	130
135	45.4	132.6	24,200	48.4	130.7	20,300	51.1	126.5	16,400	135
140	43.0	127.2	23,300	46.0	125.2	19,700	48.7	120.7	16,100	140
145	40.5	121.2	22,400	43.5	119.2	19,200	46.0	114.4	15,700	145
150	37.9	114.7	21,700	40.8	112.6	18,600	43.2	107.5	15,400	150
155	35.2	107.6	21,000	38.0	105.2	18,200				155
160	32.2	99.6	20,300	34.9	97.0	17,700				160
165	28.9	90.5	19,700	31.5	87.7	17,400				165
170	25.1	80.0	19,100							170
175	20.8	67.2	18,600							175

# MLC250 S-3

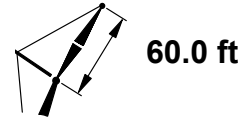
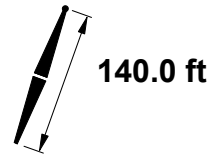
ASME B30.5



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

# MLC250 S-3

ASME B30.5

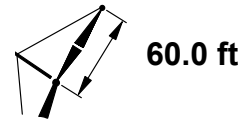
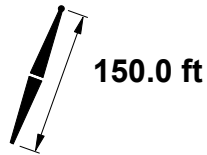
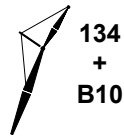


ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	79.9	204.1	37,900							45
50	78.5	203.0	37,200							50
55	77.0	201.8	36,500	80.0	200.4	33,300				55
60	75.5	200.4	35,800	78.5	199.0	32,700				60
65	74.0	198.9	35,000	77.0	197.5	32,100	80.1	194.3	26,500	65
70	72.5	197.3	34,200	75.5	195.8	31,600	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	28,500	61.0	173.5	24,800	63.7	169.9	19,100	115
120	56.4	171.7	28,000	59.2	170.1	24,000	61.9	166.3	18,600	120
125	54.6	168.1	27,500	57.4	166.4	23,200	60.1	162.6	18,100	125
130	52.8	164.2	27,100	55.6	162.5	22,500	58.2	158.6	17,700	130
135	50.9	160.1	26,600	53.7	158.3	21,800	56.3	154.3	17,300	135
140	49.0	155.7	25,700	51.8	153.8	21,200	54.3	149.7	17,000	140
145	47.0	150.9	24,800	49.8	149.0	20,700	52.2	144.7	16,600	145
150	45.0	145.8	24,000	47.7	143.9	20,100	50.1	139.4	16,300	150
155	42.9	140.4	23,200	45.5	138.3	19,600	47.8	133.6	16,000	155
160	40.6	134.5	22,500	43.3	132.3	19,100	45.5	127.4	15,700	160
165	38.3	128.1	21,800	40.9	125.8	18,600	43.0	120.6	15,400	165
170	35.8	121.1	21,100	38.4	118.7	18,300				170
175	33.2	113.4	20,500	35.7	110.8	17,800				175
180	30.4	104.9	20,000	32.8	102.0	17,500				180
185	27.3	95.2	19,400							185
190	23.7	84.0	18,900							190



# MLC250 S-3

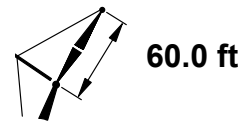
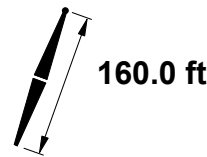
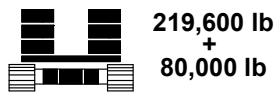
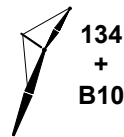
ASME B30.5



	5°			15°			25°			
	ft	o	lb	ft	o	lb	ft	o	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	29,000	62.5	185.4	25,600	65.2	181.7	19,500	115
120	58.2	183.8	28,500	60.9	182.2	24,800	63.5	178.4	19,100	120
125	56.5	180.4	28,000	59.2	178.8	24,000	61.8	175.0	18,600	125
130	54.9	176.8	27,600	57.5	175.1	23,300	60.1	171.2	18,100	130
135	53.1	173.0	27,100	55.8	171.3	22,600	58.3	167.3	17,700	135
140	51.4	169.0	26,700	54.0	167.1	22,000	56.5	163.1	17,400	140
145	49.6	164.6	26,000	52.2	162.8	21,400	54.6	158.6	17,000	145
150	47.7	160.0	25,100	50.3	158.1	20,800	52.7	153.7	16,700	150
155	45.8	155.1	24,300	48.4	153.1	20,300	50.7	148.6	16,400	155
160	43.8	149.8	23,500	46.4	147.7	19,800	48.6	143.0	16,100	160
165	41.7	144.1	22,800	44.3	142.0	19,300	46.4	137.1	15,800	165
170	39.6	138.0	22,100	42.1	135.7	18,800	44.1	130.6	15,500	170
175	37.3	131.4	21,500	39.8	129.0	18,400				175
180	34.9	124.1	20,900	37.3	121.6	18,100				180
185	32.4	116.2	20,400	34.7	113.5	17,700				185
190	29.6	107.4	19,800	31.9	104.5	17,400				190
195	26.6	97.5	18,500							195
200	23.1	85.9	16,700							200

# MLC250 S-3

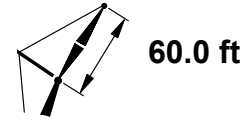
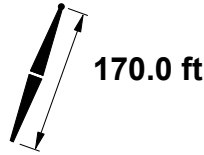
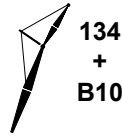
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
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	29,900	65.5	199.8	27,300	68.0	196.2	20,500	110
115	61.3	198.6	29,400	63.9	197.0	26,400	66.5	193.3	19,900	115
120	59.8	195.6	28,900	62.4	194.0	25,500	64.9	190.3	19,500	120
125	58.3	192.5	28,400	60.9	190.8	24,800	63.3	187.0	19,000	125
130	56.7	189.1	28,000	59.3	187.4	24,000	61.7	183.6	18,600	130
135	55.1	185.6	27,500	57.7	183.8	23,300	60.1	179.9	18,100	135
140	53.5	181.8	27,100	56.0	180.0	22,700	58.4	176.0	17,800	140
145	51.8	177.8	26,700	54.3	176.0	22,000	56.7	171.8	17,400	145
150	50.1	173.5	26,200	52.6	171.7	21,500	54.9	167.4	17,100	150
155	48.3	169.0	25,400	50.8	167.1	20,900	53.1	162.7	16,800	155
160	46.5	164.2	24,600	49.0	162.2	20,400	51.2	157.7	16,400	160
165	44.7	159.1	23,800	47.1	157.0	19,900	49.2	152.4	16,200	165
170	42.7	153.6	23,200	45.1	151.5	19,500	47.2	146.6	15,900	170
175	40.7	147.7	22,500	43.1	145.5	19,100	45.1	140.4	15,600	175
180	38.6	141.4	21,800	41.0	139.1	18,700	42.9	133.7	15,400	180
185	36.4	134.5	20,700	38.7	132.1	18,300				185
190	34.1	127.1	19,700	36.3	124.5	17,900				190
195	31.6	118.9	18,700	33.8	116.1	17,600				195
200	28.9	109.9	17,500	31.0	106.8	17,300				200
205	25.9	99.7	15,900							205
210	22.6	87.8	14,200							210

# MLC250 S-3

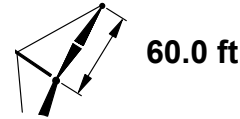
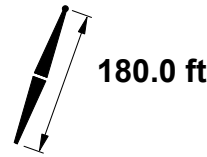
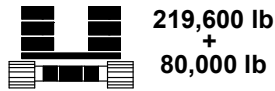
ASME B30.5



	5°			15°			25°			
	ft	o	lb	ft	o	lb	ft	o	lb	
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	30,200	66.6	211.1	28,000	69.1	207.5	20,900	110
115	62.7	210.1	29,800	65.2	208.5	27,100	67.7	204.8	20,400	115
120	61.3	207.3	29,200	63.8	205.6	26,300	66.2	201.9	19,800	120
125	59.8	204.3	28,800	62.3	202.6	25,500	64.7	198.9	19,400	125
130	58.3	201.2	28,300	60.8	199.5	24,800	63.2	195.6	19,000	130
135	56.8	197.8	27,900	59.3	196.1	24,100	61.6	192.2	18,600	135
140	55.3	194.3	27,500	57.8	192.5	23,400	60.1	188.6	18,100	140
145	53.8	190.6	27,100	56.2	188.8	22,800	58.5	184.7	17,800	145
150	52.2	186.6	26,700	54.6	184.8	22,200	56.8	180.6	17,500	150
155	50.6	182.4	26,300	53.0	180.6	21,600	55.1	176.3	17,100	155
160	48.9	178.0	25,600	51.3	176.1	21,100	53.4	171.7	16,800	160
165	47.2	173.3	24,900	49.5	171.3	20,600	51.6	166.8	16,500	165
170	45.4	168.3	23,700	47.8	166.3	20,100	49.8	161.6	16,200	170
175	43.6	163.0	22,500	45.9	160.9	19,700	47.9	156.0	16,000	175
180	41.7	157.3	21,300	44.0	155.1	19,300	45.9	150.1	15,700	180
185	39.8	151.2	20,200	42.0	148.9	18,900	43.9	143.7	15,500	185
190	37.7	144.7	19,200	39.9	142.3	18,500				190
195	35.5	137.7	18,200	37.7	135.1	18,100				195
200	33.3	130.0	17,300	35.4	127.3	17,700				200
205	30.8	121.6	16,300	32.9	118.7	16,700				205
210	28.2	112.3	14,800							210
215	25.3	101.8	13,300							215
220	22.0	89.7	11,800							220

# MLC250 S-3

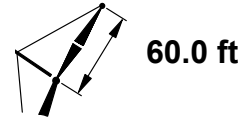
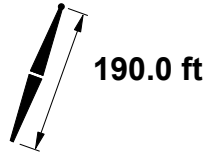
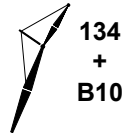
ASME B30.5



ft	5°			15°			25°			ft
	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	31,000	69.0	224.7	29,200	71.4	221.1	21,800	105
110	65.3	223.9	30,500	67.7	222.3	28,800	70.1	218.7	21,300	110
115	63.9	221.4	30,000	66.4	219.8	27,900	68.7	216.1	20,800	115
120	62.6	218.8	29,600	65.0	217.1	27,000	67.3	213.4	20,200	120
125	61.2	215.9	29,100	63.6	214.3	26,200	65.9	210.5	19,800	125
130	59.8	213.0	28,700	62.2	211.3	25,500	64.5	207.5	19,400	130
135	58.4	209.8	28,300	60.8	208.1	24,700	63.0	204.2	18,900	135
140	57.0	206.5	27,800	59.3	204.8	24,000	61.6	200.8	18,600	140
145	55.5	203.0	27,500	57.9	201.2	23,400	60.1	197.2	18,100	145
150	54.0	199.3	27,100	56.4	197.5	22,900	58.5	193.4	17,800	150
155	52.5	195.4	26,800	54.8	193.6	22,300	57.0	189.4	17,500	155
160	51.0	191.3	26,000	53.3	189.4	21,700	55.4	185.1	17,200	160
165	49.4	187.0	24,600	51.7	185.0	21,200	53.7	180.6	16,900	165
170	47.8	182.4	23,300	50.0	180.4	20,800	52.0	175.8	16,600	170
175	46.1	177.5	22,100	48.4	175.4	20,300	50.3	170.8	16,300	175
180	44.4	172.3	20,900	46.6	170.2	19,900	48.5	165.4	16,000	180
185	42.6	166.8	19,800	44.8	164.6	19,400	46.7	159.6	15,800	185
190	40.8	161.0	18,800	42.9	158.7	19,000	44.7	153.5	15,600	190
195	38.9	154.7	17,800	41.0	152.3	18,300	42.7	146.9	15,400	195
200	36.9	148.0	16,900	39.0	145.5	17,300				200
205	34.8	140.7	16,000	36.8	138.1	16,400				205
210	32.5	132.8	15,100	34.5	130.0	15,500				210
215	30.1	124.2	13,800	32.1	121.2	14,500				215
220	27.6	114.7	12,400							220
225	24.7	103.9	11,000							225
230	21.5	91.5	9,700							230

# MLC250 S-3

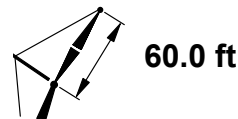
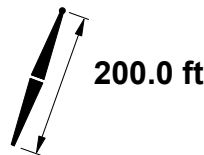
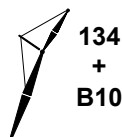
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
50	80.8		254.0							50
55	79.6		253.1							55
60	78.5		252.0							60
65	77.3		250.8	80.9	250.5	33,100				65
70	76.1		249.5	79.7	249.3	32,700				70
75	74.9		248.1	78.5	248.0	32,200	80.9	244.6	27,100	75
80	73.7		246.6	77.3	246.6	31,800	79.7	243.1	26,200	80
85	72.5		245.0	76.1	245.0	31,300	78.5	241.6	25,400	85
90	71.3		243.2	74.9	243.4	30,900	77.3	239.9	24,700	90
95	70.1		241.3	73.7	241.6	30,500	76.0	238.1	24,000	95
100	68.8		239.3	72.4	239.8	30,100	74.8	236.2	23,300	100
105	67.6		237.2	71.2	237.8	29,700	73.5	234.2	22,700	105
110	66.3		235.0	69.9	235.6	29,300	72.3	232.0	22,100	110
115	65.1		232.6	68.7	233.4	29,000	71.0	229.7	21,600	115
120	63.8		230.1	67.4	231.0	28,500	69.7	227.3	21,100	120
125	62.5		227.4	66.1	228.4	27,700	68.3	224.7	20,600	125
130	61.2		224.6	64.8	225.7	26,900	67.0	222.0	20,200	130
135	59.8		221.6	63.5	222.9	26,100	65.7	219.1	19,700	135
140	58.5		218.5	62.1	219.9	25,400	64.3	216.0	19,300	140
145	57.1		215.2	60.8	216.8	24,700	62.9	212.8	18,900	145
150	55.7		211.7	59.4	213.4	24,100	61.5	209.4	18,500	150
155	54.3		208.1	58.0	209.9	23,500	60.1	205.9	18,100	155
160	52.8		204.2	56.5	206.3	22,900	58.6	202.1	17,800	160
165	51.4		200.2	55.1	202.4	22,300	57.1	198.1	17,500	165
170	49.9		195.9	53.6	198.3	21,800	55.6	193.9	17,200	170
175	48.3		191.4	52.1	193.9	21,300	54.0	189.5	16,900	175
180	46.7		186.6	50.5	189.4	20,900	52.4	184.8	16,600	180
185	45.1		181.6	48.9	184.6	20,400	50.8	179.9	16,400	185
190	43.4		176.2	47.2	179.4	19,800	49.1	174.6	16,100	190
195	41.7		170.5	45.5	174.0	18,700	47.3	169.1	15,900	195
200	39.9		164.5	43.8	168.3	17,700	45.5	163.1	15,700	200
205	38.0		158.1	42.0	162.1	16,800	43.6	156.8	15,500	205
210	36.1		151.1	40.1	155.6	15,800				210
215	34.0		143.7	38.1	148.6	15,000				215
220	31.8		135.6	36.0	141.0	14,100				220
225	29.5		126.8	33.7	132.7	13,300				225
230	27.0		117.0	31.4	123.6	12,000				230
235	24.2		106.0							235
240	21.1		93.2							240

# MLC250 S-3

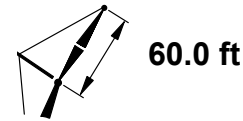
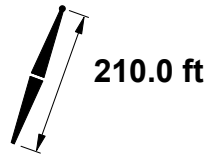
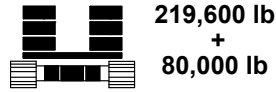
ASME B30.5



ft	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	31,500	70.8	246.5	29,500	73.0	242.9	22,500	105
110	67.3	246.0	31,000	69.6	244.3	29,200	71.8	240.7	21,900	110
115	66.1	243.7	30,600	68.3	242.0	28,800	70.5	238.4	21,500	115
120	64.9	241.3	30,100	67.1	239.6	28,300	69.3	235.9	20,900	120
125	63.6	238.7	29,700	65.9	237.1	27,500	68.0	233.3	20,500	125
130	62.4	236.1	29,300	64.6	234.4	26,800	66.7	230.6	20,000	130
135	61.1	233.3	28,900	63.3	231.5	26,100	65.4	227.7	19,600	135
140	59.8	230.3	28,500	62.0	228.6	25,300	64.1	224.6	19,200	140
145	58.5	227.2	28,100	60.7	225.4	24,700	62.8	221.4	18,900	145
150	57.2	223.9	27,700	59.4	222.1	24,100	61.4	218.1	18,500	150
155	55.9	220.5	26,400	58.0	218.6	23,500	60.1	214.5	18,100	155
160	54.5	216.8	24,900	56.7	215.0	23,000	58.7	210.8	17,800	160
165	53.1	213.0	23,600	55.3	211.1	22,400	57.2	206.9	17,500	165
170	51.7	209.0	22,200	53.8	207.1	21,900	55.8	202.7	17,200	170
175	50.3	204.8	21,000	52.4	202.8	21,500	54.3	198.4	17,000	175
180	48.8	200.4	19,900	50.9	198.4	20,500	52.8	193.8	16,700	180
185	47.3	195.7	18,800	49.4	193.6	19,400	51.2	189.0	16,400	185
190	45.7	190.8	17,700	47.8	188.6	18,300	49.6	183.8	16,200	190
195	44.2	185.5	16,800	46.2	183.4	17,300	47.9	178.4	16,000	195
200	42.5	180.0	15,800	44.5	177.8	16,400	46.2	172.7	15,800	200
205	40.8	174.2	15,000	42.8	171.9	15,500	44.4	166.6	15,600	205
210	39.1	168.0	14,100	41.0	165.5	14,600	42.6	160.0	14,900	210
215	37.2	161.3	13,300	39.2	158.8	13,700				215
220	35.3	154.2	12,600	37.2	151.6	12,900				220
225	33.3	146.6	11,500	35.2	143.8	12,200				225
230	31.2	138.3	10,300	33.0	135.3	11,000				230
235	28.9	129.3	9,100	30.7	126.0	9,800				235
240	26.4	119.2	7,900							240
245	23.7	108.0	6,800							245
250	20.6	95.0	5,600							250

# MLC250 S-3

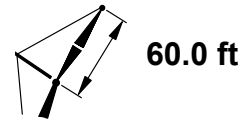
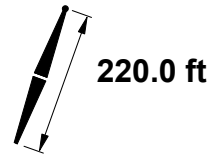
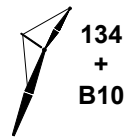
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	
55	80.4		273.4							55
60	79.3		272.4							60
65	78.2		271.3							65
70	77.2		270.2	80.5	269.8	32,700				70
75	76.1		268.9	79.4	268.6	32,200				75
80	75.0		267.5	78.3	267.3	31,900	80.5	263.8	26,800	80
85	73.8		266.0	77.2	265.9	31,500	79.4	262.4	26,000	85
90	72.7		264.4	76.1	264.4	31,000	78.3	260.9	25,300	90
95	71.6		262.7	74.9	262.8	30,700	77.1	259.2	24,600	95
100	70.5		260.8	73.8	261.1	30,300	76.0	257.5	24,000	100
105	69.3		258.9	72.7	259.2	30,000	74.8	255.6	23,400	105
110	68.2		256.8	71.5	257.3	29,600	73.7	253.7	22,800	110
115	67.0		254.7	70.4	255.2	29,300	72.5	251.6	22,200	115
120	65.9		252.4	69.2	253.0	29,000	71.3	249.3	21,700	120
125	64.7		250.0	68.0	250.7	28,700	70.1	247.0	21,300	125
130	63.5		247.4	66.8	248.3	28,200	68.9	244.5	20,800	130
135	62.3		244.7	65.6	245.7	27,400	67.7	241.9	20,400	135
140	61.1		241.9	64.4	243.0	26,700	66.5	239.2	19,900	140
145	59.8		239.0	63.2	240.2	26,000	65.2	236.3	19,600	145
150	58.6		235.8	62.0	237.2	25,300	64.0	233.2	19,200	150
155	57.3		232.6	60.7	234.1	24,700	62.7	230.1	18,800	155
160	56.0		229.2	59.4	230.8	24,100	61.4	226.7	18,500	160
165	54.7		225.6	58.1	227.3	23,500	60.1	223.2	18,100	165
170	53.4		221.8	56.8	223.7	23,000	58.7	219.5	17,800	170
175	52.0		217.8	55.5	219.9	22,500	57.3	215.6	17,500	175
180	50.7		213.7	54.1	215.9	21,300	56.0	211.5	17,300	180
185	49.3		209.3	52.7	211.7	20,100	54.5	207.3	17,000	185
190	47.8		204.7	51.3	207.3	19,000	53.1	202.7	16,700	190
195	46.3		199.9	49.8	202.7	17,900	51.6	198.0	16,500	195
200	44.8		194.8	48.3	197.8	16,900	50.1	193.0	16,300	200
205	43.3		189.4	46.8	192.6	15,900	48.5	187.7	16,100	205
210	41.7		183.8	45.2	187.2	15,000	46.9	182.1	15,500	210
215	40.0		177.8	43.6	181.5	14,100	45.2	176.2	14,500	215
220	38.3		171.4	41.9	175.4	13,300	43.4	169.9	13,700	220
225	36.5		164.6	40.2	168.9	12,500				225
230	34.6		157.3	38.3	162.0	11,700				230
235	32.6		149.4	36.4	154.5	11,000				235
240	30.6		141.0	34.4	146.6	9,800				240
245	28.3		131.7	32.3	137.9	8,700				245
250	25.9		121.5							250
255	23.2		109.9							255

# MLC250 S-3

ASME B30.5

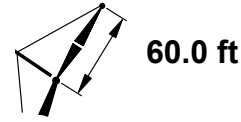
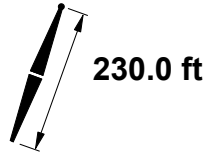
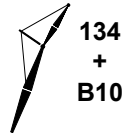


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
55	80.8	283.6	36,300							55
60	79.7	282.6	35,800							60
65	78.7	281.6	35,400	80.8	280.0	32,600				65
70	77.6	280.4	34,900	79.8	278.9	32,200				70
75	76.6	279.2	34,400	78.7	277.6	31,800	80.9	274.1	27,100	75
80	75.5	277.9	34,000	77.6	276.3	31,500	79.8	272.8	26,300	80
85	74.4	276.4	33,600	76.6	274.8	31,100	78.7	271.3	25,600	85
90	73.4	274.9	33,100	75.5	273.3	30,800	77.6	269.7	24,900	90
95	72.3	273.2	32,700	74.4	271.6	30,400	76.5	268.0	24,200	95
100	71.2	271.5	32,300	73.3	269.9	30,100	75.4	266.3	23,700	100
105	70.1	269.6	31,800	72.2	268.0	29,700	74.3	264.4	23,100	105
110	69.0	267.7	31,400	71.1	266.0	29,300	73.2	262.4	22,600	110
115	67.9	265.6	30,900	70.0	263.9	29,000	72.1	260.2	22,100	115
120	66.8	263.4	30,500	68.9	261.7	28,700	70.9	258.0	21,600	120
125	65.7	261.1	30,000	67.7	259.4	28,400	69.8	255.6	21,100	125
130	64.5	258.6	29,600	66.6	256.9	28,000	68.6	253.1	20,700	130
135	63.4	256.1	29,300	65.4	254.4	27,300	67.4	250.5	20,300	135
140	62.2	253.4	28,900	64.3	251.7	26,600	66.2	247.8	19,900	140
145	61.0	250.6	28,500	63.1	248.8	25,900	65.0	244.9	19,500	145
150	59.8	247.6	27,100	61.9	245.8	25,300	63.8	241.9	19,100	150
155	58.6	244.5	25,500	60.7	242.7	24,700	62.6	238.7	18,800	155
160	57.4	241.3	24,000	59.4	239.4	24,100	61.3	235.3	18,500	160
165	56.2	237.9	22,600	58.2	236.0	23,500	60.1	231.9	18,200	165
170	54.9	234.3	21,300	56.9	232.4	22,100	58.8	228.2	17,900	170
175	53.7	230.6	20,100	55.6	228.7	20,900	57.5	224.3	17,600	175
180	52.4	226.7	18,900	54.3	224.7	19,700	56.1	220.3	17,300	180
185	51.0	222.5	17,800	53.0	220.6	18,500	54.8	216.1	17,100	185
190	49.7	218.2	16,800	51.6	216.2	17,500	53.4	211.7	16,800	190
195	48.3	213.7	15,800	50.2	211.7	16,500	51.9	207.0	16,600	195
200	46.9	209.0	14,900	48.8	206.9	15,500	50.5	202.1	16,000	200
205	45.4	204.0	14,000	47.4	201.9	14,600	49.0	196.9	15,100	205
210	44.0	198.8	13,200	45.9	196.6	13,700	47.4	191.5	14,200	210
215	42.4	193.3	12,400	44.3	191.0	12,900	45.8	185.7	13,300	215
220	40.9	187.4	11,600	42.7	185.1	12,100	44.2	179.7	12,500	220
225	39.2	181.3	10,900	41.1	178.8	11,300	42.5	173.2	11,700	225
230	37.6	174.7	10,200	39.4	172.1	10,600				230
235	35.8	167.7	9,100	37.6	165.0	9,900				235
240	34.0	160.3	8,000	35.7	157.5	8,800				240
245	32.0	152.2	7,000	33.7	149.3	7,700				245
250	30.0	143.6	5,900	31.6	140.4	6,600				250
255	27.8	134.1	4,900							255



# MLC250 S-3

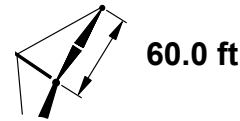
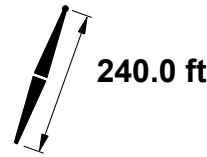
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
60	80.1	292.8	35,700							60
65	79.1	291.8	35,200							65
70	78.1	290.7	34,800	80.1	289.1	32,200				70
75	77.0	289.5	34,300	79.1	287.9	31,800				75
80	76.0	288.2	33,900	78.1	286.6	31,400	80.2	283.1	26,500	80
85	75.0	286.8	33,500	77.1	285.3	31,000	79.1	281.7	25,800	85
90	74.0	285.4	33,100	76.0	283.8	30,800	78.1	280.2	25,200	90
95	72.9	283.8	32,700	75.0	282.2	30,400	77.0	278.6	24,600	95
100	71.9	282.1	32,300	73.9	280.5	30,100	76.0	276.8	24,000	100
105	70.8	280.3	31,900	72.9	278.7	29,700	74.9	275.0	23,400	105
110	69.8	278.4	31,500	71.8	276.8	29,400	73.8	273.1	22,900	110
115	68.7	276.4	31,000	70.7	274.8	29,100	72.7	271.1	22,400	115
120	67.6	274.3	30,600	69.7	272.6	28,800	71.6	268.9	21,900	120
125	66.6	272.1	30,200	68.6	270.4	28,500	70.5	266.6	21,400	125
130	65.5	269.8	29,800	67.5	268.1	28,300	69.4	264.3	21,000	130
135	64.4	267.3	29,500	66.4	265.6	27,900	68.3	261.8	20,600	135
140	63.3	264.7	29,100	65.2	263.0	27,100	67.2	259.1	20,200	140
145	62.1	262.1	28,200	64.1	260.3	26,500	66.0	256.4	19,800	145
150	61.0	259.2	26,500	63.0	257.5	25,900	64.9	253.5	19,400	150
155	59.9	256.3	24,900	61.8	254.5	25,300	63.7	250.5	19,100	155
160	58.7	253.2	23,400	60.6	251.4	24,400	62.5	247.3	18,800	160
165	57.5	249.9	22,000	59.5	248.1	22,900	61.3	244.0	18,500	165
170	56.3	246.6	20,700	58.3	244.7	21,600	60.1	240.5	18,200	170
175	55.1	243.0	19,500	57.0	241.1	20,300	58.8	236.9	17,900	175
180	53.9	239.3	18,300	55.8	237.4	19,100	57.5	233.1	17,600	180
185	52.6	235.5	17,200	54.5	233.5	18,000	56.3	229.1	17,300	185
190	51.4	231.4	16,200	53.3	229.4	16,900	55.0	224.9	17,100	190
195	50.1	227.2	15,200	51.9	225.1	15,900	53.6	220.6	16,500	195
200	48.7	222.7	14,300	50.6	220.6	14,900	52.3	216.0	15,500	200
205	47.4	218.1	13,400	49.3	215.9	14,000	50.9	211.2	14,600	205
210	46.0	213.2	12,600	47.9	211.0	13,200	49.4	206.1	13,700	210
215	44.6	208.1	11,800	46.4	205.8	12,300	48.0	200.8	12,800	215
220	43.1	202.7	11,000	45.0	200.4	11,500	46.5	195.2	12,000	220
225	41.6	197.0	10,300	43.4	194.6	10,800	44.9	189.3	11,200	225
230	40.1	191.0	9,600	41.9	188.6	10,100	43.3	183.0	10,400	230
235	38.5	184.7	8,700	40.3	182.2	9,400				235
240	36.9	178.0	7,700	38.6	175.3	8,500				240
245	35.1	170.8	6,700	36.8	168.1	7,400				245
250	33.3	163.2	5,700	35.0	160.3	6,400				250
255	31.4	155.0	4,700	33.1	151.9	5,400				255
260				31.0	142.9	4,400				260

# MLC250 S-3

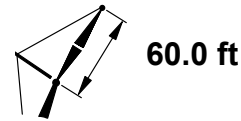
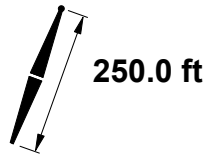
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
60	80.4	303.0	35,500							60
65	79.4	302.0	35,000							65
70	78.5	301.0	34,600	80.5	299.4	32,100				70
75	77.5	299.8	34,200	79.5	298.2	31,700				75
80	76.5	298.6	33,800	78.5	297.0	31,400	80.5	293.4	26,700	80
85	75.5	297.2	33,400	77.5	295.6	31,100	79.5	292.0	26,100	85
90	74.5	295.8	33,000	76.5	294.2	30,700	78.5	290.6	25,400	90
95	73.5	294.3	32,600	75.5	292.7	30,400	77.5	289.0	24,800	95
100	72.5	292.7	32,200	74.5	291.0	30,100	76.5	287.4	24,300	100
105	71.5	290.9	31,800	73.5	289.3	29,800	75.4	285.6	23,700	105
110	70.5	289.1	31,500	72.5	287.5	29,500	74.4	283.8	23,200	110
115	69.5	287.2	31,100	71.4	285.5	29,200	73.4	281.8	22,700	115
120	68.4	285.2	30,700	70.4	283.5	28,900	72.3	279.8	22,200	120
125	67.4	283.0	30,300	69.3	281.4	28,600	71.2	277.6	21,700	125
130	66.3	280.8	30,000	68.3	279.1	28,400	70.2	275.3	21,300	130
135	65.3	278.5	29,600	67.2	276.7	28,100	69.1	272.9	20,900	135
140	64.2	276.0	29,200	66.2	274.3	27,800	68.0	270.4	20,500	140
145	63.2	273.4	27,700	65.1	271.7	27,100	66.9	267.7	20,200	145
150	62.1	270.7	26,000	64.0	269.0	26,500	65.8	265.0	19,700	150
155	61.0	267.9	24,400	62.9	266.1	25,500	64.7	262.1	19,400	155
160	59.9	264.9	22,900	61.8	263.1	24,000	63.5	259.1	19,100	160
165	58.7	261.9	21,500	60.6	260.0	22,500	62.4	255.9	18,800	165
170	57.6	258.6	20,200	59.5	256.8	21,200	61.2	252.6	18,500	170
175	56.4	255.3	19,000	58.3	253.4	19,900	60.1	249.2	18,200	175
180	55.3	251.7	17,800	57.1	249.8	18,700	58.9	245.6	17,900	180
185	54.1	248.1	16,700	55.9	246.1	17,600	57.6	241.8	17,600	185
190	52.9	244.2	15,700	54.7	242.3	16,500	56.4	237.9	17,200	190
195	51.7	240.2	14,700	53.5	238.2	15,500	55.1	233.7	16,200	195
200	50.4	236.0	13,800	52.2	234.0	14,500	53.9	229.4	15,200	200
205	49.2	231.7	12,900	51.0	229.6	13,600	52.6	224.9	14,200	205
210	47.9	227.1	12,100	49.7	225.0	12,700	51.2	220.2	13,300	210
215	46.5	222.3	11,300	48.3	220.1	11,900	49.8	215.2	12,400	215
220	45.2	217.3	10,500	47.0	215.1	11,100	48.4	210.0	11,600	220
225	43.8	212.0	9,800	45.5	209.7	10,400	47.0	204.6	10,800	225
230	42.4	206.5	9,100	44.1	204.1	9,600	45.5	198.8	10,000	230
235	40.9	200.7	8,500	42.6	198.2	8,900	44.0	192.8	9,300	235
240	39.4	194.5	7,500	41.1	192.0	8,300	42.4	186.4	8,600	240
245	37.8	188.0	6,500	39.5	185.5	7,300				245
250	36.2	181.2	5,500	37.9	178.5	6,300				250
255	34.5	173.9	4,600	36.1	171.0	5,300				255
260				34.3	163.1	4,400				260

# MLC250 S-3

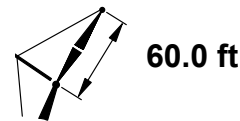
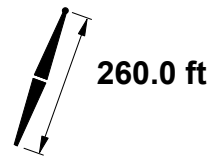
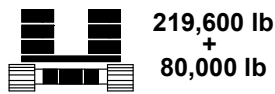
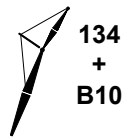
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	80.7	313.2	35,200							60
65	79.8	312.2	34,800							65
70	78.8	311.2	34,400	80.8	309.6	32,000				70
75	77.9	310.1	34,000	79.8	308.5	31,700				75
80	76.9	308.9	33,600	78.9	307.3	31,300	80.8	303.7	27,000	80
85	76.0	307.6	33,200	77.9	306.0	31,000	79.9	302.4	26,300	85
90	75.0	306.2	32,900	77.0	304.6	30,700	78.9	301.0	25,700	90
95	74.1	304.7	32,500	76.0	303.1	30,400	77.9	299.5	25,100	95
100	73.1	303.2	32,200	75.0	301.5	30,000	76.9	297.9	24,500	100
105	72.1	301.5	31,800	74.0	299.9	29,700	75.9	296.2	23,900	105
110	71.1	299.8	31,400	73.0	298.1	29,500	74.9	294.4	23,400	110
115	70.2	297.9	31,100	72.1	296.3	29,200	73.9	292.5	23,000	115
120	69.2	296.0	30,700	71.1	294.3	28,900	72.9	290.5	22,500	120
125	68.2	293.9	30,400	70.1	292.2	28,600	71.9	288.4	22,000	125
130	67.2	291.8	30,000	69.0	290.1	28,400	70.9	286.3	21,600	130
135	66.1	289.5	29,600	68.0	287.8	28,200	69.8	284.0	21,200	135
140	65.1	287.1	29,300	67.0	285.4	27,900	68.8	281.5	20,800	140
145	64.1	284.7	27,800	66.0	282.9	27,600	67.7	279.0	20,400	145
150	63.1	282.1	26,400	64.9	280.3	27,000	66.7	276.4	20,100	150
155	62.0	279.4	24,500	63.8	277.6	25,600	65.6	273.6	19,700	155
160	60.9	276.5	23,000	62.8	274.8	24,100	64.5	270.7	19,400	160
165	59.9	273.6	21,600	61.7	271.8	22,600	63.4	267.7	19,100	165
170	58.8	270.5	20,300	60.6	268.7	21,300	62.3	264.5	18,800	170
175	57.7	267.3	19,100	59.5	265.4	20,000	61.2	261.3	18,500	175
180	56.6	264.0	17,900	58.4	262.1	18,800	60.1	257.8	18,200	180
185	55.4	260.5	16,800	57.2	258.6	17,700	58.9	254.2	17,900	185
190	54.3	256.8	15,800	56.1	254.9	16,600	57.7	250.5	17,300	190
195	53.1	253.0	14,800	54.9	251.1	15,600	56.5	246.6	16,300	195
200	52.0	249.1	13,900	53.7	247.1	14,600	55.3	242.5	15,300	200
205	50.8	244.9	13,000	52.5	242.9	13,700	54.1	238.3	14,300	205
210	49.5	240.6	12,200	51.3	238.5	12,800	52.8	233.8	13,400	210
215	48.3	236.1	11,400	50.0	234.0	12,000	51.5	229.2	12,600	215
220	47.0	231.4	10,600	48.7	229.2	11,200	50.2	224.3	11,700	220
225	45.7	226.5	9,900	47.4	224.2	10,500	48.9	219.2	10,900	225
230	44.4	221.3	9,200	46.1	219.0	9,700	47.5	213.9	10,200	230
235	43.0	215.9	8,600	44.7	213.6	9,000	46.1	208.3	9,500	235
240	41.6	210.2	7,900	43.3	207.8	8,400	44.7	202.4	8,800	240
245	40.2	204.3	7,000	41.8	201.8	7,700	43.2	196.2	8,100	245
250	38.7	198.0	6,100	40.3	195.4	6,900				250
255	37.2	191.3	5,200	38.8	188.7	5,900				255
260	35.6	184.3	4,300	37.2	181.6	5,000				260
265				35.5	174.0	4,100				265

# MLC250 S-3

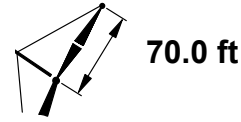
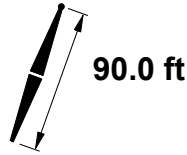
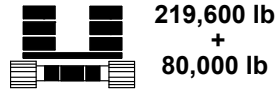
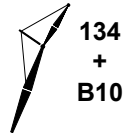
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
60	81.0	323.3	34,900							60
65	80.1	322.4	34,500							65
70	79.2	321.4	34,200							70
75	78.3	320.3	33,700	80.2	318.7	31,500				75
80	77.4	319.2	33,400	79.2	317.6	31,200				80
85	76.4	317.9	33,000	78.3	316.3	30,900	80.2	312.7	26,500	85
90	75.5	316.6	32,700	77.4	315.0	30,600	79.3	311.3	25,900	90
95	74.6	315.2	32,400	76.4	313.5	30,300	78.3	309.9	25,300	95
100	73.6	313.7	32,000	75.5	312.0	30,000	77.4	308.3	24,800	100
105	72.7	312.1	31,700	74.6	310.4	29,700	76.4	306.7	24,200	105
110	71.8	310.4	31,300	73.6	308.7	29,500	75.4	305.0	23,700	110
115	70.8	308.6	31,000	72.6	306.9	29,200	74.5	303.2	23,200	115
120	69.8	306.7	30,700	71.7	305.0	28,900	73.5	301.3	22,800	120
125	68.9	304.7	30,400	70.7	303.0	28,700	72.5	299.3	22,300	125
130	67.9	302.7	30,000	69.7	301.0	28,400	71.5	297.1	21,900	130
135	66.9	300.5	29,700	68.8	298.8	28,200	70.5	294.9	21,500	135
140	66.0	298.2	29,200	67.8	296.5	28,000	69.5	292.6	21,000	140
145	65.0	295.8	27,300	66.8	294.1	27,700	68.5	290.2	20,700	145
150	64.0	293.3	25,600	65.8	291.6	26,800	67.5	287.6	20,300	150
155	63.0	290.7	24,000	64.8	289.0	25,200	66.5	285.0	20,000	155
160	61.9	288.0	22,500	63.7	286.2	23,600	65.4	282.2	19,700	160
165	60.9	285.2	21,100	62.7	283.4	22,200	64.4	279.3	19,400	165
170	59.9	282.3	19,800	61.6	280.4	20,800	63.3	276.3	19,000	170
175	58.8	279.2	18,600	60.6	277.3	19,600	62.2	273.2	18,700	175
180	57.8	276.0	17,500	59.5	274.1	18,400	61.2	269.9	18,500	180
185	56.7	272.6	16,400	58.4	270.8	17,200	60.1	266.5	18,100	185
190	55.6	269.2	15,300	57.3	267.3	16,200	58.9	262.9	16,900	190
195	54.5	265.6	14,400	56.2	263.6	15,100	57.8	259.2	15,900	195
200	53.4	261.8	13,400	55.1	259.8	14,200	56.7	255.4	14,900	200
205	52.2	257.9	12,600	53.9	255.9	13,300	55.5	251.3	13,900	205
210	51.1	253.8	11,700	52.8	251.7	12,400	54.3	247.1	13,000	210
215	49.9	249.5	10,900	51.6	247.4	11,600	53.1	242.8	12,200	215
220	48.7	245.1	10,200	50.4	243.0	10,800	51.9	238.2	11,300	220
225	47.5	240.4	9,400	49.1	238.3	10,000	50.6	233.4	10,600	225
230	46.2	235.6	8,700	47.9	233.4	9,300	49.3	228.4	9,800	230
235	44.9	230.5	8,100	46.6	228.3	8,600	48.0	223.2	9,100	235
240	43.6	225.2	7,500	45.3	222.9	8,000	46.6	217.7	8,400	240
245	42.3	219.7	6,800	43.9	217.3	7,300	45.3	212.0	7,700	245
250	40.9	213.9	5,800	42.5	211.5	6,700	43.8	205.9	7,100	250
255	39.5	207.8	4,900	41.1	205.3	5,700	42.4	199.6	6,400	255
260	38.1	201.4	4,000	39.6	198.8	4,800				260

# MLC250 S-3

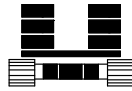
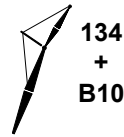
ASME B30.5



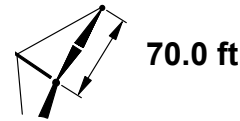
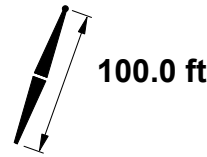
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	79.3	164.5	29,500							40
45	77.5	163.3	29,500							45
50	75.6	162.0	28,700	80.1	160.8	26,600				50
55	73.8	160.5	27,900	78.2	159.3	25,900				55
60	71.9	158.8	27,100	76.3	157.6	25,300	80.9	154.7	23,300	60
65	70.0	156.9	26,300	74.4	155.7	24,600	78.9	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-3

ASME B30.5



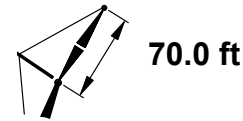
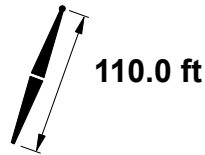
219,600 lb  
+  
80,000 lb



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-3

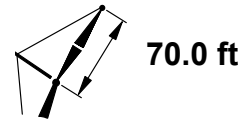
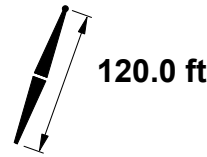
ASME B30.5



	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	18,200	39.0	106.9	15,800	41.9	101.4	13,000	155
160	32.6	101.2	17,700	36.0	98.9	15,400				160
165	29.3	92.4	17,100	32.7	89.8	15,000				165
170	25.7	82.2	16,600							170
175	21.5	69.9	16,000							175

# MLC250 S-3

ASME B30.5

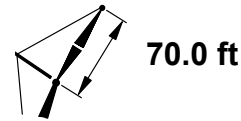
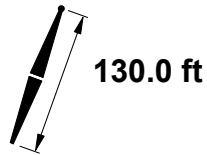
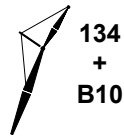


	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	81.0		195.1							40
45	79.5		194.1							45
50	77.9		193.0							50
55	76.4		191.7							55
60	74.8		190.3							60
65	73.2		188.8							65
70	71.7		187.0							70
75	70.0		185.2							75
80	68.4		183.1							80
85	66.8		180.9							85
90	65.1		178.6							90
95	63.4		176.0							95
100	61.7		173.2							100
105	59.9		170.3							105
110	58.1		167.1							110
115	56.3		163.7							115
120	54.5		160.1							120
125	52.6		156.2							125
130	50.6		152.1							130
135	48.6		147.6							135
140	46.5		142.8							140
145	44.3		137.6							145
150	42.0		132.0							150
155	39.7		126.0							155
160	37.2		119.3							160
165	34.5		112.1							165
170	31.6		104.0							170
175	28.5		94.8							175
180	25.0		84.3							180
185	20.9		71.6							185



# MLC250 S-3

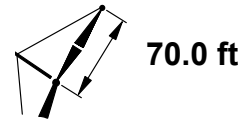
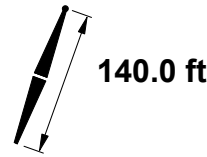
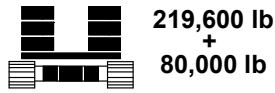
ASME B30.5



	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	19,800	50.5	150.1	18,200	53.6	145.7	14,400	145
150	45.2	146.9	19,500	48.5	145.0	17,700	51.4	140.4	14,100	150
155	43.1	141.5	19,100	46.3	139.5	17,200	49.2	134.8	13,700	155
160	40.9	135.7	18,800	44.1	133.6	16,700	46.9	128.7	13,500	160
165	38.6	129.4	18,500	41.8	127.2	16,200	44.5	122.0	13,200	165
170	36.2	122.5	18,200	39.3	120.2	15,800	41.9	114.6	13,000	170
175	33.6	115.0	17,900	36.6	112.5	15,400				175
180	30.8	106.6	17,300	33.8	104.0	15,100				180
185	27.7	97.2	16,900	30.6	94.3	14,700				185
190	24.3	86.3	16,300							190
195	20.3	73.3	15,900							195

# MLC250 S-3

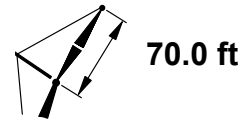
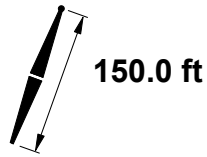
ASME B30.5



ft	5°			15°			25°			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	20,600	54.7	168.1	19,500	57.7	163.9	15,200	140
145	49.8	165.5	20,200	52.9	163.7	18,900	55.9	159.4	14,800	145
150	47.9	160.9	19,900	51.0	159.1	18,300	53.9	154.7	14,500	150
155	46.0	156.1	19,600	49.1	154.2	17,900	51.9	149.6	14,100	155
160	44.0	150.9	19,300	47.1	148.9	17,400	49.9	144.1	13,800	160
165	42.0	145.3	19,000	45.0	143.2	16,900	47.7	138.2	13,600	165
170	39.8	139.2	18,600	42.9	137.1	16,500	45.5	131.9	13,300	170
175	37.6	132.7	18,300	40.6	130.5	16,100	43.1	124.9	13,100	175
180	35.2	125.6	18,100	38.2	123.2	15,700				180
185	32.7	117.8	17,700	35.6	115.3	15,300				185
190	30.0	109.2	17,200	32.8	106.4	15,000				190
195	27.0	99.5	16,800	29.7	96.4	14,700				195
200	23.7	88.4	16,200							200
205	19.8	75.0	15,900							205

# MLC250 S-3

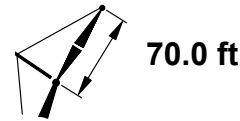
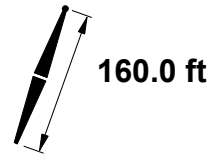
ASME B30.5



	5°			15°			25°			
	ft	o	lb	ft	o	lb	ft	o	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	21,400	58.3	184.6	20,400	61.2	180.6	16,000	135
140	53.6	182.6	21,000	56.7	180.9	20,100	59.6	176.7	15,600	140
145	52.0	178.6	20,700	55.0	176.9	19,600	57.8	172.6	15,200	145
150	50.3	174.4	20,300	53.3	172.6	19,000	56.1	168.3	14,800	150
155	48.5	170.0	19,900	51.5	168.1	18,500	54.3	163.6	14,500	155
160	46.7	165.2	19,700	49.7	163.3	18,000	52.4	158.7	14,200	160
165	44.9	160.1	19,300	47.8	158.2	17,500	50.4	153.4	13,900	165
170	42.9	154.7	19,000	45.9	152.7	17,100	48.4	147.7	13,600	170
175	41.0	148.9	18,700	43.8	146.8	16,700	46.3	141.6	13,400	175
180	38.9	142.7	18,500	41.7	140.4	16,200	44.1	135.0	13,200	180
185	36.7	135.9	18,200	39.5	133.6	15,900	41.8	127.8	13,000	185
190	34.4	128.6	17,900	37.1	126.1	15,500				190
195	31.9	120.6	17,600	34.6	117.9	15,200				195
200	29.3	111.7	17,100	31.9	108.8	14,900				200
205	26.4	101.8	16,600							205
210	23.1	90.3	15,600							210
215	19.3	76.6	13,900							215

# MLC250 S-3

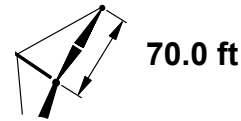
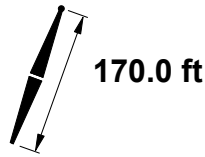
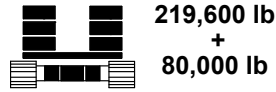
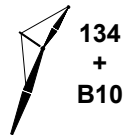
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
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	21,700	59.9	196.9	20,700	62.7	192.8	16,300	135
140	55.5	195.0	21,400	58.4	193.3	20,400	61.2	189.2	15,900	140
145	53.9	191.3	21,100	56.8	189.6	20,100	59.6	185.4	15,600	145
150	52.3	187.4	20,700	55.2	185.7	19,700	57.9	181.4	15,200	150
155	50.7	183.3	20,300	53.6	181.5	19,200	56.3	177.1	14,900	155
160	49.1	178.9	20,000	51.9	177.1	18,600	54.5	172.5	14,600	160
165	47.4	174.3	19,700	50.2	172.4	18,200	52.8	167.7	14,300	165
170	45.6	169.3	19,400	48.4	167.4	17,700	51.0	162.5	14,000	170
175	43.8	164.1	19,100	46.6	162.0	17,200	49.1	157.0	13,700	175
180	41.9	158.5	18,800	44.7	156.4	16,800	47.1	151.2	13,500	180
185	40.0	152.5	18,600	42.7	150.3	16,400	45.1	144.9	13,300	185
190	38.0	146.0	18,300	40.7	143.7	16,100	42.9	138.0	13,000	190
195	35.8	139.1	18,100	38.5	136.7	15,700	40.6	130.6	12,900	195
200	33.6	131.6	17,800	36.2	129.0	15,400				200
205	31.2	123.3	17,400	33.7	120.5	15,100				205
210	28.6	114.2	16,200	31.1	111.2	14,800				210
215	25.7	104.0	14,700							215
220	22.6	92.2	13,300							220
225	18.8	78.1	11,700							225

# MLC250 S-3

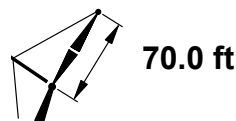
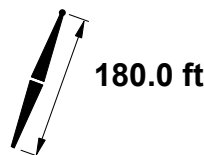
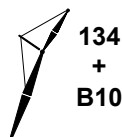
ASME B30.5



	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	20,700	62.6	201.4	16,300	145
150	55.7		203.8	58.5	202.0	20,400	61.1	197.8	15,900	150
155	54.2		200.1	57.0	198.3	20,200	59.6	194.1	15,600	155
160	52.7		196.2	55.4	194.4	19,800	58.0	190.1	15,200	160
165	51.1		192.2	53.9	190.3	19,200	56.4	185.9	14,900	165
170	49.6		187.9	52.3	186.0	18,800	54.8	181.4	14,600	170
175	47.9		183.3	50.7	181.4	18,200	53.1	176.7	14,300	175
180	46.3		178.5	49.0	176.5	17,800	51.4	171.7	14,100	180
185	44.6		173.4	47.3	171.3	17,400	49.6	166.3	13,800	185
190	42.8		167.9	45.5	165.8	17,000	47.8	160.6	13,600	190
195	41.0		162.1	43.6	159.9	16,600	45.9	154.6	13,300	195
200	39.1		156.0	41.7	153.7	16,300	43.9	148.0	13,100	200
205	37.1		149.3	39.7	146.9	15,900	41.8	141.0	12,900	205
210	35.0		142.2	37.6	139.7	15,600				210
215	32.8		134.4	35.3	131.7	15,300				215
220	30.5		126.0	32.9	123.1	15,000				220
225	27.9		116.6	30.3	113.5	14,600				225
230	25.2		106.1							230
235	22.1		94.1							235

# MLC250 S-3

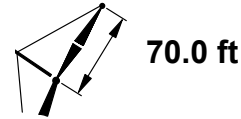
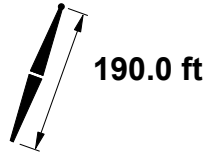
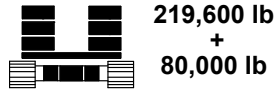
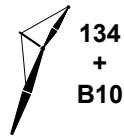
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
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	23,200	65.3	226.3	21,800	68.0	222.4	17,900	125
130	61.3	225.2	22,800	64.0	223.5	21,500	66.7	219.6	17,500	130
135	59.9	222.3	22,400	62.7	220.6	21,200	65.3	216.5	17,100	135
140	58.6	219.2	22,100	61.3	217.5	20,900	63.9	213.4	16,700	140
145	57.2	215.9	21,700	59.9	214.2	20,700	62.5	210.0	16,300	145
150	55.8	212.5	21,300	58.5	210.7	20,400	61.1	206.5	15,900	150
155	54.4	208.8	21,000	57.1	207.1	20,100	59.6	202.7	15,600	155
160	53.0	205.0	20,700	55.6	203.2	19,800	58.1	198.8	15,200	160
165	51.5	201.0	20,400	54.2	199.2	19,400	56.6	194.7	14,900	165
170	50.0	196.8	20,100	52.6	194.9	18,800	55.1	190.3	14,700	170
175	48.5	192.3	19,800	51.1	190.4	18,400	53.5	185.6	14,400	175
180	46.9	187.6	19,500	49.5	185.6	17,900	51.8	180.7	14,100	180
185	45.3	182.6	19,300	47.9	180.5	17,600	50.1	175.5	13,900	185
190	43.6	177.3	19,000	46.2	175.2	17,200	48.4	170.0	13,600	190
195	41.9	171.7	18,300	44.4	169.5	16,800	46.6	164.2	13,400	195
200	40.1	165.7	17,400	42.6	163.5	16,400	44.7	157.9	13,200	200
205	38.3	159.4	16,500	40.7	157.0	16,100	42.8	151.2	13,000	205
210	36.3	152.5	15,700	38.8	150.1	15,800	40.7	143.9	12,900	210
215	34.3	145.2	14,900	36.7	142.6	15,300				215
220	32.1	137.3	14,000	34.5	134.5	14,500				220
225	29.8	128.6	12,700	32.1	125.6	13,600				225
230	27.3	119.0	11,500	29.6	115.7	12,200				230
235	24.6	108.2	10,200							235
240	21.6	95.9	8,900							240

# MLC250 S-3

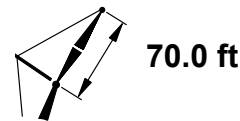
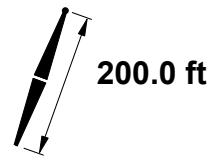
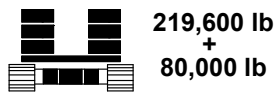
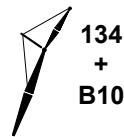
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
55	80.1		263.5							55
60	79.0		262.5							60
65	77.9		261.4							65
70	76.7		260.1	80.6	259.9					70
75	75.6		258.8	79.5	258.6	26,100				75
80	74.4		257.4	78.3	257.3	25,800				80
85	73.3		255.8	77.2	255.9	25,400	79.9	252.2	22,800	85
90	72.1		254.2	76.0	254.3	24,700	78.7	250.6	22,500	90
95	71.0		252.4	74.8	252.7	24,300	77.6	249.0	22,200	95
100	69.8		250.5	73.6	250.9	24,000	76.4	247.2	21,600	100
105				72.5	249.0	23,600	75.2	245.2	21,000	105
110	68.6		248.5	71.3	247.0	23,300	73.9	243.2	20,400	110
115	67.4		246.4	70.1	244.8	23,000	72.7	241.0	19,800	115
120	66.2		244.2	68.8	242.6	22,700	71.5	238.7	19,300	120
125	65.0		241.8	67.6	240.2	22,300	70.2	236.3	18,700	125
130	63.7		239.3	66.4	237.7	22,100	69.0	233.7	18,300	130
135	62.5		236.6	65.1	235.0	21,700	67.7	231.0	17,800	135
140	61.2		233.9	63.8	232.2	21,400	66.4	228.1	17,400	140
145	60.0		230.9	62.6	229.2	21,200	65.1	225.1	17,000	145
150	58.7		227.8	61.3	226.1	20,900	63.8	222.0	16,600	150
155	57.3		224.6	59.9	222.8	20,600	62.4	218.6	16,200	155
160	56.0		221.2	58.6	219.4	20,400	61.0	215.1	15,900	160
165	54.7		217.6	57.2	215.8	20,200	59.6	211.4	15,600	165
170	53.3		213.8	55.8	212.0	19,900	58.2	207.5	15,300	170
175	51.9		209.8	54.4	208.0	19,400	56.8	203.4	15,000	175
180	50.4		205.7	53.0	203.8	18,900	55.3	199.1	14,700	180
185	49.0		201.3	51.5	199.3	18,500	53.8	194.6	14,400	185
190	47.5		196.6	50.0	194.6	18,100	52.2	189.8	14,200	190
195	45.9		191.8	48.4	189.7	17,700	50.6	184.7	13,900	195
200	44.3		186.6	46.8	184.5	17,300	49.0	179.3	13,700	200
205	42.7		181.2	45.1	179.0	16,900	47.2	173.6	13,500	205
210	41.0		175.4	43.4	173.1	16,500	45.5	167.6	13,300	210
215	39.3		169.2	41.7	166.9	15,600	43.7	161.1	13,100	215
220	37.5		162.7	39.8	160.2	14,700	41.7	154.2	12,900	220
225	35.6		155.7	37.9	153.1	13,900				225
230	33.6		148.2	35.9	145.4	13,200				230
235	31.5		140.0	33.7	137.1	12,400				235
240	29.2		131.1	31.4	128.0	11,200				240
245	26.8		121.3							245
250	24.1		110.3							250
255	21.1		97.7							255

# MLC250 S-3

ASME B30.5

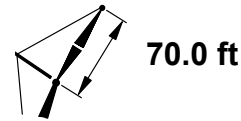
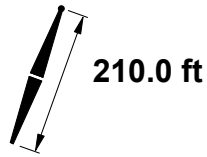
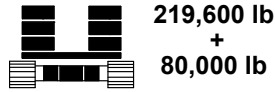
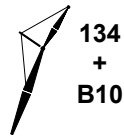


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
55	80.5	273.7	29,500							55
60	79.4	272.7	29,200							60
65	78.3	271.6	28,700	81.0	270.1	26,100				65
70	77.2	270.4	28,200	79.9	268.9	25,800				70
75	76.1	269.2	27,700	78.8	267.7	25,400				75
80	75.0	267.8	27,200	77.6	266.3	25,100	80.3	262.6	22,800	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	24,000	68.5	251.2	22,500	71.0	247.3	19,100	120
125	64.8	250.5	23,600	67.3	248.8	22,200	69.8	244.9	18,600	125
130	63.6	248.0	23,300	66.1	246.3	22,000	68.6	242.3	18,100	130
135	62.4	245.3	22,900	64.9	243.6	21,600	67.4	239.6	17,700	135
140	61.2	242.5	22,600	63.7	240.8	21,300	66.1	236.7	17,300	140
145	60.0	239.6	22,200	62.5	237.9	21,100	64.9	233.7	16,900	145
150	58.7	236.5	21,900	61.2	234.8	20,900	63.6	230.6	16,600	150
155	57.4	233.3	21,600	59.9	231.5	20,600	62.3	227.2	16,200	155
160	56.2	229.9	21,300	58.6	228.1	20,300	61.0	223.7	15,900	160
165	54.9	226.3	21,000	57.3	224.5	20,100	59.6	220.1	15,600	165
170	53.5	222.6	20,700	56.0	220.7	19,900	58.3	216.2	15,300	170
175	52.2	218.7	20,400	54.6	216.8	19,500	56.9	212.2	15,000	175
180	50.8	214.5	20,200	53.2	212.6	19,000	55.5	207.9	14,700	180
185	49.4	210.2	19,200	51.8	208.2	18,600	54.0	203.5	14,500	185
190	48.0	205.7	18,200	50.4	203.7	18,200	52.5	198.8	14,200	190
195	46.5	200.9	17,200	48.9	198.8	17,800	51.0	193.8	14,000	195
200	45.0	195.9	16,300	47.4	193.7	17,000	49.5	188.6	13,800	200
205	43.5	190.5	15,400	45.8	188.4	16,000	47.8	183.0	13,600	205
210	41.9	184.9	14,600	44.2	182.7	15,200	46.2	177.2	13,400	210
215	40.2	179.0	13,800	42.5	176.6	14,300	44.4	170.9	13,200	215
220	38.5	172.7	13,000	40.8	170.2	13,500	42.6	164.3	13,000	220
225	36.7	166.0	12,300	39.0	163.4	12,800	40.8	157.2	12,900	225
230	34.9	158.8	11,600	37.1	156.1	12,000				230
235	32.9	151.0	10,500	35.1	148.2	11,300				235
240	30.8	142.7	9,400	33.0	139.7	10,200				240
245	28.6	133.6	8,300	30.7	130.4	9,000				245
250	26.3	123.6	7,200							250
255	23.7	112.3	6,100							255
260	20.7	99.5	5,000							260



# MLC250 S-3

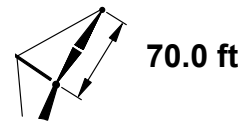
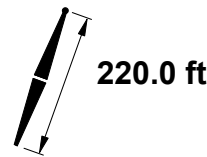
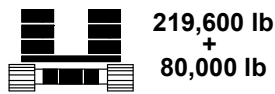
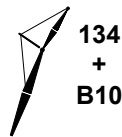
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
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	24,100	69.3	262.2	22,700	71.8	258.3	19,400	120
125	65.8	261.6	23,800	68.2	259.9	22,400	70.6	256.0	18,900	125
130	64.6	259.2	23,500	67.1	257.5	22,100	69.5	253.5	18,500	130
135	63.5	256.6	23,100	65.9	254.9	21,900	68.3	250.9	18,000	135
140	62.3	254.0	22,800	64.7	252.3	21,500	67.1	248.2	17,600	140
145	61.1	251.2	22,500	63.6	249.5	21,300	65.9	245.3	17,200	145
150	60.0	248.2	22,100	62.4	246.5	21,000	64.7	242.3	16,900	150
155	58.8	245.2	21,800	61.2	243.4	20,800	63.5	239.2	16,500	155
160	57.5	241.9	21,500	59.9	240.2	20,600	62.2	235.8	16,200	160
165	56.3	238.6	21,200	58.7	236.8	20,400	61.0	232.4	15,900	165
170	55.0	235.0	20,900	57.4	233.2	20,100	59.7	228.8	15,600	170
175	53.8	231.3	20,600	56.1	229.5	19,900	58.4	224.9	15,300	175
180	52.5	227.5	19,800	54.8	225.6	19,600	57.0	220.9	15,000	180
185	51.2	223.4	18,700	53.5	221.5	19,200	55.7	216.8	14,800	185
190	49.8	219.1	17,700	52.2	217.2	18,500	54.3	212.4	14,500	190
195	48.4	214.7	16,700	50.8	212.6	17,500	52.9	207.7	14,300	195
200	47.0	210.0	15,800	49.3	207.9	16,500	51.4	202.9	14,100	200
205	45.6	205.0	14,900	47.9	202.9	15,600	49.9	197.8	13,800	205
210	44.1	199.9	14,100	46.4	197.7	14,700	48.4	192.4	13,600	210
215	42.6	194.4	13,300	44.9	192.1	13,900	46.8	186.7	13,400	215
220	41.1	188.6	12,500	43.3	186.3	13,100	45.2	180.6	13,300	220
225	39.4	182.5	11,800	41.7	180.1	12,300	43.5	174.2	12,800	225
230	37.8	176.0	11,100	40.0	173.5	11,600	41.7	167.4	12,000	230
235	36.0	169.1	10,400	38.2	166.5	10,900				235
240	34.2	161.8	9,300	36.3	159.0	10,200				240
245	32.3	153.9	8,200	34.4	151.0	9,100				245
250	30.3	145.3	7,200	32.3	142.3	8,000				250
255	28.1	136.0	6,200	30.1	132.7	6,900				255
260	25.8	125.8	5,200							260
265	23.2	114.3	4,200							265

# MLC250 S-3

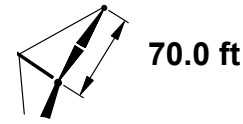
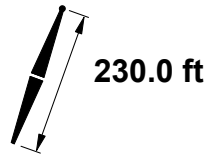
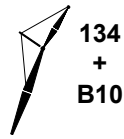
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
60	80.1	293.1	29,100							60
65	79.1	292.1	28,700							65
70	78.1	291.0	28,200	80.6	289.4	25,700				70
75	77.1	289.8	27,800	79.6	288.3	25,400				75
80	76.1	288.5	27,300	78.5	287.0	25,100	81.0	283.2	22,800	80
85	75.1	287.2	26,900	77.5	285.6	24,800	80.0	281.8	22,600	85
90	74.0	285.7	26,500	76.5	284.1	24,500	78.9	280.3	22,400	90
95	73.0	284.1	26,100	75.4	282.6	24,200	77.9	278.7	22,200	95
100	72.0	282.5	25,700	74.4	280.9	23,900	76.8	277.0	21,800	100
105	70.9	280.7	25,400	73.3	279.1	23,600	75.7	275.2	21,300	105
110	69.9	278.8	25,000	72.3	277.2	23,300	74.7	273.3	20,700	110
115	68.8	276.9	24,700	71.2	275.2	23,100	73.6	271.3	20,200	115
120	67.7	274.8	24,300	70.1	273.1	22,800	72.5	269.2	19,700	120
125	66.6	272.6	23,900	69.0	270.9	22,500	71.4	266.9	19,200	125
130	65.5	270.3	23,600	67.9	268.6	22,300	70.3	264.6	18,800	130
135	64.5	267.8	23,300	66.8	266.2	22,000	69.1	262.1	18,300	135
140	63.4	265.3	23,000	65.7	263.6	21,800	68.0	259.5	17,900	140
145	62.2	262.6	22,600	64.6	260.9	21,500	66.9	256.8	17,500	145
150	61.1	259.8	22,400	63.4	258.1	21,200	65.7	253.9	17,200	150
155	60.0	256.9	22,100	62.3	255.1	20,900	64.5	250.9	16,800	155
160	58.8	253.8	21,800	61.1	252.1	20,700	63.3	247.8	16,500	160
165	57.6	250.6	21,500	59.9	248.8	20,500	62.1	244.5	16,200	165
170	56.4	247.3	21,200	58.7	245.4	20,300	60.9	241.0	15,900	170
175	55.2	243.8	20,900	57.5	241.9	20,100	59.7	237.4	15,600	175
180	54.0	240.1	20,600	56.3	238.2	19,900	58.4	233.6	15,300	180
185	52.8	236.3	20,300	55.0	234.3	19,700	57.1	229.7	15,000	185
190	51.5	232.2	20,000	53.8	230.3	19,500	55.8	225.6	14,800	190
195	50.2	228.0	19,700	52.5	226.0	19,300	54.5	221.2	14,600	195
200	48.9	223.6	19,400	51.1	221.6	19,100	53.1	216.7	14,400	200
205	47.5	219.0	19,100	49.8	216.9	18,900	51.7	211.9	14,100	205
210	46.2	214.2	18,800	48.4	212.1	18,700	50.3	206.9	13,900	210
215	44.8	209.1	18,500	47.0	206.9	18,500	48.9	201.6	13,700	215
220	43.3	203.8	18,200	45.5	201.5	18,300	47.4	196.1	13,500	220
225	41.8	198.2	17,900	44.0	195.8	18,100	45.8	190.2	13,300	225
230	40.3	192.2	17,600	42.4	189.8	17,900	44.2	184.0	13,100	230
235	38.7	186.0	17,300	40.8	183.5	17,700	42.6	177.5	12,900	235
240	37.1	179.3	17,000	39.2	176.8	17,500	40.8	170.5	12,700	240
245	35.4	172.3	16,700	37.4	169.6	17,300				245
250	33.6	164.7	16,400	35.6	161.9	17,100				250
255	31.7	156.7	16,100	33.7	153.7	16,900				255
260	29.7	147.9	15,800	31.7	144.8	16,700				260
265	27.6	138.4	15,500	29.5	135.0	16,500				265

# MLC250 S-3

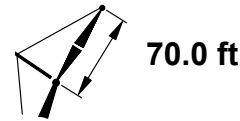
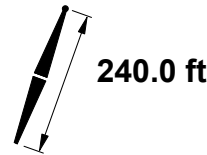
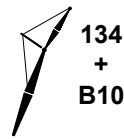
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	
60	80.5		303.2							60
65	79.5		302.3							65
70	78.5		301.2							70
75	77.6		300.1	80.9	299.7	25,700				75
80	76.6		298.9	79.9	298.5	25,400				80
85	75.6		297.5	78.9	297.3	25,100				85
90	74.6		296.1	77.9	296.0	24,800	80.3	292.2	22,600	90
95	73.6		294.6	76.9	294.5	24,500	79.3	290.7	22,400	95
100	72.6		293.0	75.9	293.0	24,300	78.3	289.2	22,200	100
105	71.6		291.3	74.9	291.4	24,000	77.3	287.6	22,000	105
110	70.6		289.5	73.9	289.7	23,700	76.2	285.8	21,500	110
115	69.5		287.6	72.9	287.9	23,400	75.2	284.0	21,000	115
120	68.5		285.6	71.9	286.0	23,100	74.2	282.1	20,500	120
125	67.5		283.5	70.8	284.0	22,900	73.1	280.0	20,000	125
130	66.4		281.3	69.8	281.8	22,600	72.1	277.9	19,500	130
135	65.4		279.0	68.7	279.6	22,400	71.0	275.6	19,100	135
140	64.3		276.5	67.7	277.3	22,100	69.9	273.2	18,600	140
145	63.2		274.0	66.6	274.8	21,900	68.8	270.7	18,200	145
150	62.2		271.3	65.5	272.2	21,600	67.7	268.1	17,800	150
155	61.1		268.5	64.4	269.6	21,400	66.6	265.4	17,500	155
160	60.0		265.6	63.3	266.7	21,200	65.5	262.5	17,100	160
165	58.8		262.5	62.2	263.8	20,900	64.4	259.5	16,800	165
170	57.7		259.3	61.1	260.7	20,700	63.2	256.4	16,500	170
175	56.6		256.0	59.9	257.5	20,500	62.1	253.1	16,200	175
180	55.4		252.5	58.8	254.1	20,300	60.9	249.7	15,900	180
185	54.2		248.8	57.6	250.6	19,700	59.7	246.1	15,600	185
190	53.0		245.0	56.4	246.9	18,600	58.5	242.3	15,300	190
195	51.8		241.1	55.2	243.1	17,500	57.2	238.4	15,100	195
200	50.6		236.9	54.0	239.1	16,500	56.0	234.3	14,800	200
205	49.3		232.6	52.7	234.9	15,500	54.7	230.1	14,600	205
210	48.0		228.0	51.5	230.5	14,600	53.4	225.6	14,400	210
215	46.7		223.3	50.2	226.0	13,700	52.1	220.9	14,200	215
220	45.3		218.3	48.8	221.2	12,900	50.7	216.0	13,500	220
225	44.0		213.1	47.5	216.1	12,100	49.3	210.8	12,700	225
230	42.5		207.6	46.1	210.9	11,400	47.9	205.4	11,900	230
235	41.1		201.8	44.6	205.3	10,600	46.4	199.7	11,100	235
240	39.6		195.8	43.2	199.5	9,900	44.9	193.7	10,400	240
245	38.0		189.4	41.6	193.3	9,300	43.3	187.4	9,700	245
250	36.4		182.6	40.1	186.8	8,600	41.7	180.6	9,000	250
255	34.7		175.3	38.4	179.9	7,700				255
260	33.0		167.6	36.7	172.6	6,700				260
265	31.1		159.4	34.9	164.8	5,800				265
			4,100	33.1	156.3	4,800				265

# MLC250 S-3

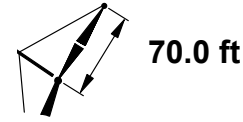
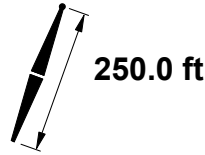
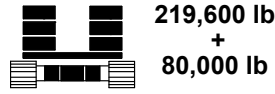
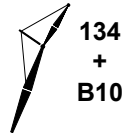
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
60	80.8	313.4	29,000							60
65	79.9	312.5	28,600							65
70	78.9	311.5	28,100							70
75	78.0	310.4	27,800	80.2	308.8	25,400				75
80	77.0	309.2	27,300	79.3	307.6	25,100				80
85	76.1	307.9	27,000	78.3	306.3	24,800	80.6	302.5	22,600	85
90	75.1	306.5	26,600	77.4	304.9	24,500	79.7	301.1	22,400	90
95	74.1	305.1	26,200	76.4	303.5	24,300	78.7	299.6	22,200	95
100	73.2	303.5	25,800	75.4	301.9	24,000	77.7	298.0	22,000	100
105	72.2	301.9	25,500	74.4	300.3	23,800	76.7	296.4	21,800	105
110	71.2	300.2	25,100	73.5	298.5	23,500	75.7	294.6	21,200	110
115	70.2	298.3	24,800	72.5	296.7	23,200	74.7	292.7	20,700	115
120	69.2	296.4	24,500	71.5	294.7	22,900	73.7	290.8	20,200	120
125	68.2	294.4	24,100	70.5	292.7	22,600	72.7	288.7	19,800	125
130	67.2	292.2	23,900	69.5	290.6	22,500	71.7	286.5	19,300	130
135	66.2	290.0	23,500	68.4	288.3	22,200	70.6	284.2	18,900	135
140	65.2	287.7	23,200	67.4	285.9	22,000	69.6	281.8	18,500	140
145	64.2	285.2	23,000	66.4	283.5	21,700	68.5	279.3	18,100	145
150	63.1	282.6	22,700	65.3	280.9	21,500	67.5	276.7	17,700	150
155	62.1	280.0	22,400	64.3	278.2	21,300	66.4	274.0	17,400	155
160	61.0	277.1	22,100	63.2	275.4	21,100	65.3	271.1	17,100	160
165	60.0	274.2	21,800	62.1	272.4	20,800	64.2	268.1	16,700	165
170	58.9	271.2	20,700	61.0	269.4	20,600	63.1	265.0	16,400	170
175	57.8	268.0	19,400	59.9	266.1	20,400	62.0	261.7	16,100	175
180	56.7	264.7	18,300	58.8	262.8	19,300	60.9	258.3	15,900	180
185	55.5	261.2	17,200	57.7	259.3	18,200	59.7	254.8	15,600	185
190	54.4	257.6	16,200	56.5	255.7	17,100	58.5	251.0	15,300	190
195	53.2	253.8	15,200	55.4	251.9	16,100	57.3	247.2	15,100	195
200	52.1	249.9	14,300	54.2	247.9	15,100	56.1	243.1	14,800	200
205	50.9	245.8	13,400	53.0	243.8	14,200	54.9	238.9	14,600	205
210	49.7	241.5	12,500	51.8	239.4	13,300	53.6	234.5	14,000	210
215	48.4	237.0	11,800	50.5	234.9	12,500	52.4	229.9	13,200	215
220	47.2	232.4	11,000	49.2	230.2	11,700	51.1	225.1	12,300	220
225	45.9	227.5	10,300	47.9	225.3	10,900	49.7	220.0	11,500	225
230	44.5	222.4	9,600	46.6	220.1	10,200	48.4	214.7	10,800	230
235	43.2	217.0	8,900	45.2	214.7	9,500	46.9	209.2	10,000	235
240	41.8	211.4	8,300	43.8	209.0	8,800	45.5	203.3	9,300	240
245	40.4	205.5	7,600	42.4	203.0	8,200	44.0	197.1	8,700	245
250	38.9	199.3	6,600	40.9	196.7	7,600	42.5	190.6	8,000	250
255	37.4	192.7	5,700	39.3	190.1	6,600	40.9	183.8	7,400	255
260	35.8	185.7	4,800	37.7	183.0	5,700				260
265				36.0	175.5	4,700				265

# MLC250 S-3

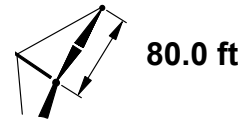
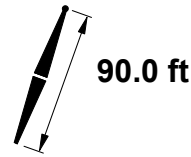
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
65	80.2	322.7	28,400							65
70	79.3	321.7	28,100							70
75	78.3	320.6	27,700	80.6	319.0	25,300				75
80	77.4	319.5	27,300	79.6	317.9	25,100				80
85	76.5	318.2	26,900	78.7	316.6	24,800	81.0	312.8	22,600	85
90	75.6	316.9	26,600	77.8	315.3	24,500	80.0	311.4	22,400	90
95	74.6	315.5	26,200	76.8	313.9	24,300	79.1	310.0	22,200	95
100	73.7	314.0	25,800	75.9	312.4	24,000	78.1	308.5	22,000	100
105	72.8	312.4	25,500	75.0	310.8	23,800	77.2	306.9	21,800	105
110	71.8	310.8	25,100	74.0	309.1	23,500	76.2	305.2	21,500	110
115	70.9	309.0	24,900	73.1	307.3	23,300	75.2	303.4	21,000	115
120	69.9	307.1	24,500	72.1	305.5	23,000	74.3	301.5	20,500	120
125	69.0	305.2	24,200	71.1	303.5	22,800	73.3	299.5	20,000	125
130	68.0	303.1	23,900	70.2	301.4	22,500	72.3	297.4	19,600	130
135	67.0	301.0	23,600	69.2	299.3	22,200	71.3	295.2	19,200	135
140	66.0	298.7	23,300	68.2	297.0	22,100	70.3	292.9	18,800	140
145	65.0	296.3	23,000	67.2	294.6	21,900	69.3	290.5	18,400	145
150	64.0	293.9	22,700	66.2	292.1	21,600	68.3	288.0	18,000	150
155	63.0	291.3	22,400	65.2	289.5	21,400	67.2	285.3	17,700	155
160	62.0	288.6	22,100	64.1	286.8	21,200	66.2	282.6	17,300	160
165	61.0	285.8	21,800	63.1	284.0	21,000	65.1	279.7	17,000	165
170	60.0	282.9	20,700	62.1	281.1	20,800	64.1	276.7	16,700	170
175	58.9	279.8	19,500	61.0	278.0	20,500	63.0	273.6	16,400	175
180	57.9	276.7	18,300	59.9	274.8	19,400	61.9	270.3	16,100	180
185	56.8	273.3	17,300	58.9	271.5	18,200	60.8	267.0	15,900	185
190	55.7	269.9	16,200	57.8	268.0	17,200	59.7	263.4	15,600	190
195	54.6	266.3	15,200	56.7	264.4	16,200	58.6	259.7	15,300	195
200	53.5	262.6	14,300	55.5	260.6	15,200	57.4	255.9	15,100	200
205	52.3	258.7	13,400	54.4	256.7	14,300	56.3	251.9	14,900	205
210	51.2	254.6	12,600	53.2	252.6	13,400	55.1	247.7	14,100	210
215	50.0	250.4	11,800	52.0	248.3	12,600	53.9	243.4	13,300	215
220	48.8	246.0	11,100	50.8	243.9	11,800	52.6	238.8	12,400	220
225	47.6	241.4	10,300	49.6	239.3	11,000	51.4	234.1	11,600	225
230	46.4	236.6	9,600	48.4	234.4	10,300	50.1	229.1	10,900	230
235	45.1	231.6	9,000	47.1	229.3	9,600	48.8	223.9	10,100	235
240	43.8	226.3	8,300	45.8	224.0	8,900	47.4	218.5	9,400	240
245	42.5	220.8	7,700	44.4	218.5	8,300	46.1	212.8	8,800	245
250	41.1	215.1	7,100	43.0	212.7	7,700	44.6	206.8	8,100	250
255	39.7	209.0	6,200	41.6	206.5	7,100	43.2	200.5	7,500	255
260	38.2	202.7	5,300	40.2	200.1	6,200	41.7	193.9	6,900	260
265	36.7	196.0	4,400	38.6	193.3	5,300				265
270				37.1	186.1	4,400				270

# MLC250 S-3

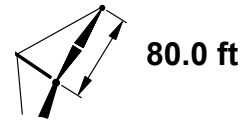
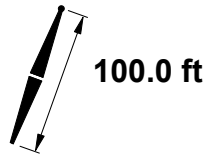
ASME B30.5



ft	5°			15°			25°			ft
	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-3

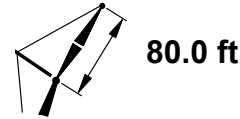
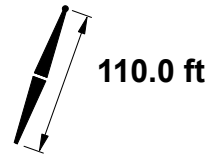
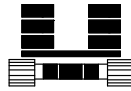
ASME B30.5



	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40	80.1	185.0	24,800							40
45	78.5	183.9	24,500							45
50	76.9	182.8	24,000							50
55	75.2	181.4	23,500	79.8	180.3	22,500				55
60	73.5	179.9	23,000	78.1	178.8	22,000				60
65	71.9	178.3	22,400	76.4	177.1	21,400				65
70	70.2	176.4	21,900	74.7	175.3	20,800	79.4	172.3	19,100	70
75	68.5	174.5	21,500	73.0	173.3	20,300	77.6	170.2	18,700	75
80	66.7	172.3	21,000	71.2	171.1	19,800	75.8	168.0	18,300	80
85	65.0	169.9	20,500	69.5	168.7	19,300	74.0	165.6	17,800	85
90	63.2	167.4	20,000	67.7	166.2	18,800	72.2	163.0	17,000	90
95	61.4	164.7	19,400	65.8	163.4	18,300	70.3	160.1	16,300	95
100	59.5	161.7	18,900	64.0	160.4	17,900	68.4	157.1	15,600	100
105	57.6	158.5	18,400	62.1	157.2	17,400	66.5	153.8	15,000	105
110	55.7	155.1	17,900	60.1	153.8	17,100	64.5	150.3	14,400	110
115	53.7	151.4	17,500	58.1	150.1	16,700	62.5	146.5	13,900	115
120	51.7	147.5	17,000	56.1	146.1	16,200	60.4	142.4	13,400	120
125	49.6	143.2	16,600	54.0	141.8	15,900	58.2	138.0	13,000	125
130	47.5	138.7	16,200	51.8	137.2	15,600	55.9	133.2	12,600	130
135	45.2	133.7	15,800	49.5	132.2	15,200	53.6	128.0	12,200	135
140	42.9	128.3	15,400	47.2	126.7	14,800	51.1	122.4	11,800	140
145	40.5	122.5	15,100	44.7	120.8	14,300	48.6	116.3	11,500	145
150	37.9	116.2	14,700	42.1	114.4	13,800	45.8	109.5	11,200	150
155	35.1	109.1	14,400	39.3	107.2	13,400	42.9	102.0	10,900	155
160	32.2	101.3	14,100	36.3	99.3	13,000	39.7	93.5	10,700	160
165	29.0	92.5	13,800	32.9	90.2	12,600				165
170	25.3	82.3	13,600	29.2	79.7	12,300				170
175	21.1	70.1	13,400							175

# MLC250 S-3

ASME B30.5

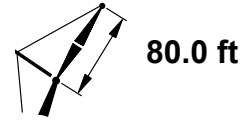
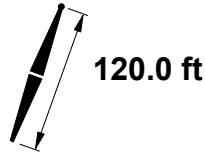
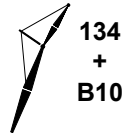


	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
40	80.6	195.2	24,800							40
45	79.1	194.2	24,500							45
50	77.6	193.0	24,000							50
55	76.0	191.8	23,500	80.3	190.6	22,700				55
60	74.4	190.4	23,100	78.7	189.2	22,100				60
65	72.9	188.8	22,600	77.2	187.6	21,600				65
70	71.3	187.1	22,100	75.5	185.9	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	13,300							185



# MLC250 S-3

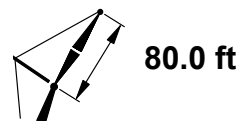
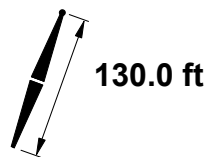
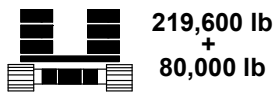
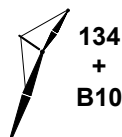
ASME B30.5



	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	14,200	36.9	112.9	13,100	39.9	107.0	10,700	175
180	30.4	106.7	13,900	34.0	104.4	12,700				180
185	27.4	97.3	13,600	30.9	94.7	12,400				185
190	24.0	86.5	13,400							190
195	20.0	73.5	13,300							195

# MLC250 S-3

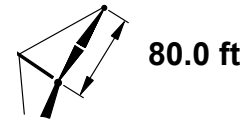
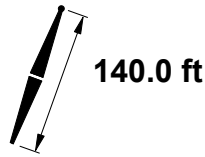
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
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	14,800	43.1	137.4	14,000	46.3	132.2	11,300	170
175	37.3	132.8	14,500	40.8	130.8	13,700	43.9	125.3	11,000	175
180	34.9	125.7	14,300	38.4	123.6	13,300	41.4	117.8	10,800	180
185	32.4	117.9	14,000	35.8	115.7	13,000				185
190	29.7	109.3	13,800	33.1	106.8	12,700				190
195	26.7	99.7	13,600	30.0	96.9	12,400				195
200	23.4	88.5	13,300							200
205	19.5	75.2	13,200							205

# MLC250 S-3

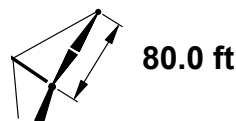
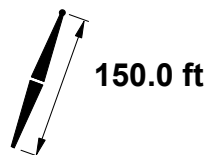
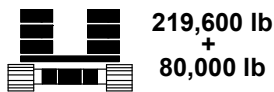
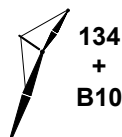
ASME B30.5



	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	15,600	48.0	158.4	15,000	51.2	153.7	11,800	165
170	42.6	154.8	15,300	46.1	153.0	14,600	49.2	148.0	11,600	170
175	40.6	149.0	15,000	44.0	147.1	14,200	47.1	141.9	11,300	175
180	38.6	142.8	14,700	41.9	140.8	13,900	44.9	135.3	11,100	180
185	36.4	136.0	14,400	39.7	133.9	13,500	42.6	128.2	10,900	185
190	34.1	128.7	14,200	37.4	126.5	13,100	40.1	120.4	10,700	190
195	31.6	120.7	13,900	34.9	118.3	12,900				195
200	29.0	111.9	13,700	32.1	109.3	12,500				200
205	26.1	101.9	13,500	29.2	99.0	12,300				205
210	22.8	90.5	13,300							210
215	19.0	76.8	13,100							215

# MLC250 S-3

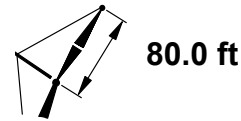
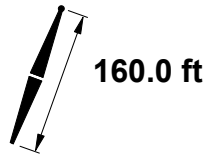
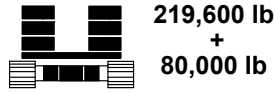
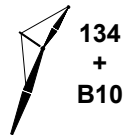
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
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	16,500	53.8	181.7	15,800	57.0	177.3	12,800	155
160	48.8	179.0	16,200	52.1	177.3	15,600	55.2	172.8	12,500	160
165	47.1	174.4	15,900	50.4	172.6	15,300	53.5	168.0	12,200	165
170	45.3	169.4	15,600	48.6	167.6	15,100	51.7	162.8	11,900	170
175	43.5	164.2	15,300	46.8	162.3	14,700	49.8	157.3	11,700	175
180	41.6	158.6	15,100	44.9	156.6	14,400	47.8	151.5	11,400	180
185	39.7	152.6	14,800	42.9	150.6	14,000	45.8	145.2	11,200	185
190	37.7	146.1	14,500	40.9	144.0	13,600	43.6	138.4	11,000	190
195	35.5	139.2	14,300	38.7	137.0	13,400	41.4	131.0	10,800	195
200	33.3	131.7	14,000	36.4	129.3	13,000				200
205	30.9	123.4	13,800	34.0	120.9	12,700				205
210	28.3	114.3	13,600	31.3	111.6	12,500				210
215	25.5	104.1	13,500	28.4	101.1	12,200				215
220	22.3	92.4	13,300							220
225	18.6	78.3	12,500							225

# MLC250 S-3

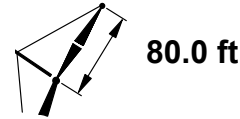
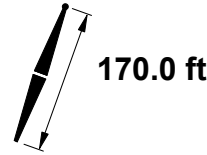
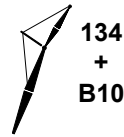
ASME B30.5



	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	17,100	57.1	198.6	16,400	60.3	194.3	13,400	150
155	52.4	196.3	16,900	55.6	194.7	16,100	58.7	190.3	13,100	155
160	50.8	192.2	16,500	54.1	190.6	15,900	57.1	186.1	12,800	160
165	49.3	187.9	16,300	52.5	186.2	15,600	55.5	181.7	12,500	165
170	47.6	183.4	16,000	50.8	181.6	15,300	53.8	176.9	12,200	170
175	46.0	178.6	15,700	49.2	176.8	15,100	52.1	171.9	12,000	175
180	44.3	173.5	15,400	47.4	171.6	14,900	50.3	166.6	11,700	180
185	42.5	168.0	15,200	45.7	166.1	14,500	48.5	160.9	11,500	185
190	40.7	162.2	14,900	43.8	160.2	14,100	46.5	154.9	11,300	190
195	38.8	156.1	14,700	41.9	154.0	13,800	44.5	148.3	11,100	195
200	36.8	149.4	14,400	39.9	147.2	13,500	42.5	141.3	10,900	200
205	34.7	142.3	14,200	37.8	140.0	13,200	40.2	133.7	10,700	205
210	32.5	134.6	14,000	35.5	132.1	12,900				210
215	30.2	126.1	13,700	33.1	123.5	12,700				215
220	27.7	116.8	13,600	30.5	113.9	12,400				220
225	24.9	106.3	13,300							225
230	21.8	94.2	11,900							230
235	18.2	79.9	10,500							235

# MLC250 S-3

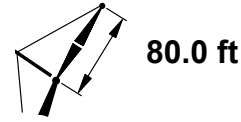
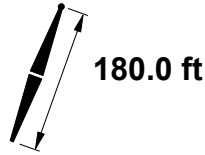
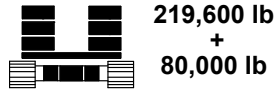
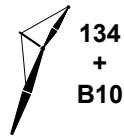
ASME B30.5



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	17,100	58.7	210.9	16,600	61.7	206.7	13,700	150
155	54.1	208.9	16,900	57.3	207.3	16,400	60.2	203.0	13,400	155
160	52.7	205.1	16,500	55.8	203.4	16,100	58.8	199.0	13,100	160
165	51.2	201.1	16,300	54.3	199.4	15,900	57.2	194.9	12,800	165
170	49.7	196.9	16,100	52.8	195.1	15,700	55.7	190.5	12,500	170
175	48.2	192.4	15,900	51.3	190.6	15,400	54.1	185.9	12,300	175
180	46.6	187.7	15,700	49.7	185.8	15,200	52.5	181.0	12,000	180
185	45.0	182.7	15,500	48.0	180.8	15,000	50.8	175.8	11,800	185
190	43.3	177.4	15,200	46.3	175.5	14,700	49.0	170.3	11,600	190
195	41.6	171.8	15,000	44.6	169.8	14,300	47.2	164.4	11,400	195
200	39.8	165.8	14,800	42.8	163.8	14,000	45.4	158.2	11,200	200
205	38.0	159.5	14,500	40.9	157.3	13,700	43.4	151.5	11,000	205
210	36.0	152.7	14,300	38.9	150.4	13,400	41.4	144.2	10,800	210
215	34.0	145.3	14,100	36.9	142.9	13,100	39.2	136.4	10,700	215
220	31.8	137.4	13,900	34.7	134.8	12,800				220
225	29.6	128.7	13,500	32.3	126.0	12,600				225
230	27.1	119.1	12,300	29.8	116.1	12,300				230
235	24.4	108.4	11,000							235
240	21.3	96.1	9,800							240
245	17.8	81.4	8,500							245

# MLC250 S-3

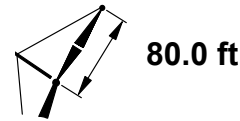
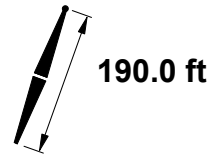
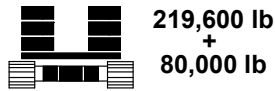
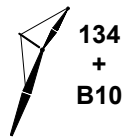
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
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	17,400	61.4	226.3	17,200	64.3	222.1	14,400	145
150	57.1	224.7	17,200	60.1	223.1	16,900	63.0	218.8	14,000	150
155	55.7	221.2	17,000	58.7	219.6	16,700	61.6	215.3	13,700	155
160	54.4	217.7	16,700	57.4	216.0	16,400	60.2	211.6	13,400	160
165	53.0	213.9	16,400	56.0	212.2	16,100	58.8	207.7	13,100	165
170	51.6	209.9	16,200	54.6	208.2	15,900	57.4	203.6	12,800	170
175	50.2	205.8	16,000	53.1	204.0	15,600	55.9	199.3	12,600	175
180	48.7	201.4	15,800	51.6	199.6	15,400	54.4	194.8	12,300	180
185	47.2	196.7	15,700	50.1	194.9	15,200	52.8	190.0	12,100	185
190	45.6	191.9	15,500	48.6	190.0	15,000	51.2	184.9	11,800	190
195	44.1	186.7	15,200	47.0	184.8	14,800	49.6	179.6	11,600	195
200	42.4	181.3	15,100	45.3	179.3	14,400	47.9	173.9	11,400	200
205	40.8	175.5	14,900	43.6	173.4	14,100	46.1	167.8	11,200	205
210	39.0	169.3	14,600	41.8	167.2	13,800	44.3	161.4	11,100	210
215	37.2	162.8	14,400	40.0	160.6	13,500	42.4	154.5	10,900	215
220	35.3	155.8	14,200	38.1	153.4	13,200	40.3	147.1	10,700	220
225	33.3	148.3	13,600	36.1	145.8	13,000				225
230	31.2	140.1	12,500	33.9	137.5	12,700				230
235	29.0	131.2	11,300	31.6	128.4	12,300				235
240	26.5	121.4	10,200	29.1	118.4	11,100				240
245	23.9	110.5	9,000							245
250	20.9	97.9	7,800							250
255	17.4	82.9	6,600							255

# MLC250 S-3

ASME B30.5

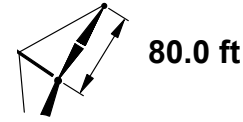
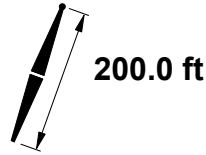
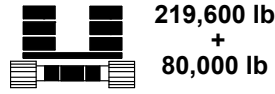
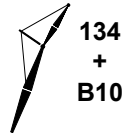


ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
55	80.2	273.7	23,200							55
60	79.1	272.8	23,000							60
65	78.0	271.7	23,000							65
70	77.0	270.5	22,400	80.0	269.1	22,200				70
75	75.9	269.2	22,100	78.9	267.8	21,800				75
80	74.8	267.9	21,700	77.8	266.5	21,400	80.9	262.7	19,300	80
85	73.7	266.4	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	17,500	62.6	238.1	17,400	65.5	233.9	14,700	145
150	58.4	236.6	17,300	61.4	235.0	17,100	64.2	230.7	14,300	150
155	57.2	233.3	17,000	60.1	231.7	16,900	62.9	227.4	14,000	155
160	55.9	230.0	16,700	58.8	228.3	16,600	61.6	223.9	13,700	160
165	54.6	226.4	16,600	57.5	224.7	16,400	60.2	220.3	13,400	165
170	53.3	222.7	16,400	56.1	221.0	16,100	58.9	216.4	13,100	170
175	51.9	218.7	16,200	54.8	217.0	15,900	57.5	212.4	12,900	175
180	50.5	214.6	15,900	53.4	212.9	15,700	56.1	208.1	12,600	180
185	49.1	210.3	15,600	52.0	208.5	15,500	54.6	203.7	12,400	185
190	47.7	205.8	15,500	50.5	203.9	15,300	53.1	199.0	12,100	190
195	46.2	201.0	15,400	49.1	199.1	15,000	51.6	194.0	11,900	195
200	44.7	195.9	15,200	47.5	194.0	14,900	50.0	188.8	11,700	200
205	43.2	190.6	15,000	46.0	188.6	14,500	48.4	183.3	11,500	205
210	41.6	185.0	14,900	44.4	183.0	14,300	46.8	177.4	11,300	210
215	39.9	179.1	14,500	42.7	176.9	14,000	45.0	171.2	11,100	215
220	38.2	172.8	13,700	41.0	170.5	13,700	43.2	164.6	11,000	220
225	36.5	166.1	13,000	39.2	163.7	13,400	41.4	157.5	10,800	225
230	34.6	158.9	12,300	37.3	156.4	12,800	39.4	149.9	10,700	230
235	32.7	151.2	11,300	35.3	148.6	12,100				235
240	30.6	142.8	10,200	33.2	140.1	11,200				240
245	28.4	133.7	9,100	30.9	130.8	10,100				245
250	26.0	123.7	8,100	28.5	120.5	8,900				250
255	23.4	112.5	7,000							255
260	20.5	99.6	5,900							260



# MLC250 S-3

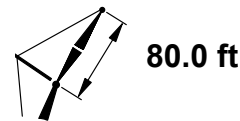
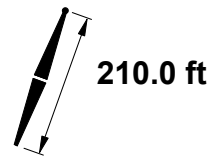
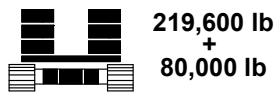
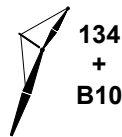
ASME B30.5



	5°			15°			25°				
	ft	o	ft	lb	ft	o	ft	lb	ft		
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	17,900	64.9	252.5	17,900	67.7	248.3	15,400	140
145	60.9		251.2	17,600	63.7	249.7	17,600	66.5	245.5	15,000	145
150	59.7		248.3	17,500	62.5	246.7	17,300	65.2	242.5	14,600	150
155	58.5		245.2	17,100	61.3	243.6	17,000	64.0	239.3	14,300	155
160	57.3		242.0	16,800	60.1	240.4	16,800	62.8	236.0	14,000	160
165	56.0		238.7	16,700	58.8	237.0	16,600	61.5	232.5	13,700	165
170	54.8		235.1	16,500	57.6	233.4	16,400	60.2	228.9	13,400	170
175	53.5		231.4	16,200	56.3	229.7	16,100	58.9	225.1	13,100	175
180	52.2		227.5	16,000	55.0	225.8	15,900	57.6	221.1	12,900	180
185	50.9		223.5	15,800	53.7	221.7	15,700	56.2	216.9	12,600	185
190	49.6		219.2	15,600	52.3	217.4	15,500	54.8	212.5	12,400	190
195	48.2		214.8	15,500	50.9	212.9	15,300	53.4	207.9	12,200	195
200	46.8		210.1	15,300	49.5	208.2	15,100	52.0	203.1	12,000	200
205	45.4		205.1	15,000	48.0	203.2	14,900	50.5	198.0	11,700	205
210	43.9		199.9	14,800	46.6	197.9	14,700	48.9	192.6	11,600	210
215	42.4		194.5	14,000	45.0	192.4	14,400	47.4	186.9	11,400	215
220	40.8		188.7	13,300	43.4	186.6	13,900	45.7	180.9	11,200	220
225	39.2		182.6	12,500	41.8	180.4	13,100	44.0	174.5	11,000	225
230	37.5		176.1	11,900	40.1	173.8	12,400	42.3	167.7	10,900	230
235	35.8		169.3	11,200	38.4	166.9	11,700	40.4	160.4	10,700	235
240	34.0		161.9	10,200	36.5	159.4	11,000				240
245	32.0		154.0	9,200	34.6	151.3	10,200				245
250	30.0		145.5	8,200	32.5	142.6	9,100				250
255	27.9		136.2	7,200	30.3	133.1	8,000				255
260	25.5		125.9	6,200	27.9	122.6	7,000				260
265	23.0		114.5	5,200							265
270	20.1		101.4	4,200							270

# MLC250 S-3

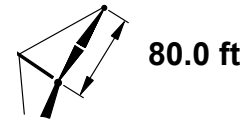
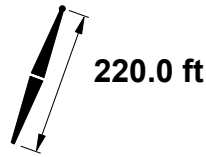
ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
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	17,900	65.8	263.8	18,000	68.5	259.6	15,600	140
145	62.0	262.7	17,600	64.7	261.1	17,700	67.4	256.9	15,300	145
150	60.9	259.9	17,400	63.6	258.3	17,500	66.2	254.0	14,900	150
155	59.7	257.0	17,100	62.4	255.4	17,200	65.1	251.0	14,600	155
160	58.5	253.9	16,800	61.3	252.3	17,000	63.9	247.9	14,300	160
165	57.4	250.7	16,700	60.1	249.0	16,800	62.7	244.6	14,000	165
170	56.2	247.3	16,500	58.9	245.7	16,600	61.4	241.2	13,700	170
175	55.0	243.8	16,200	57.7	242.1	16,400	60.2	237.6	13,400	175
180	53.8	240.2	16,000	56.4	238.4	16,100	58.9	233.8	13,100	180
185	52.5	236.3	15,800	55.2	234.6	15,900	57.7	229.9	12,900	185
190	51.2	232.3	15,500	53.9	230.5	15,700	56.4	225.7	12,700	190
195	50.0	228.1	15,300	52.6	226.3	15,500	55.0	221.4	12,400	195
200	48.6	223.7	15,200	51.3	221.8	15,300	53.7	216.8	12,200	200
205	47.3	219.1	15,100	49.9	217.2	15,100	52.3	212.1	12,000	205
210	45.9	214.3	14,300	48.5	212.3	15,000	50.9	207.1	11,800	210
215	44.5	209.2	13,500	47.1	207.2	14,200	49.4	201.8	11,600	215
220	43.1	203.9	12,700	45.6	201.8	13,400	47.9	196.3	11,400	220
225	41.6	198.3	12,000	44.1	196.1	12,700	46.4	190.4	11,300	225
230	40.1	192.3	11,300	42.6	190.1	11,900	44.8	184.2	11,100	230
235	38.5	186.1	10,700	41.0	183.8	11,200	43.1	177.7	11,000	235
240	36.8	179.4	10,000	39.3	177.1	10,600	41.4	170.7	10,800	240
245	35.1	172.4	9,000	37.6	169.9	9,900	39.6	163.3	10,300	245
250	33.3	164.9	8,000	35.8	162.3	9,000				250
255	31.5	156.8	7,100	33.9	154.0	8,000				255
260	29.5	148.1	6,100	31.8	145.2	7,000				260
265	27.4	138.6	5,200	29.7	135.4	6,000				265
270	25.1	128.1	4,300							270

# MLC250 S-3

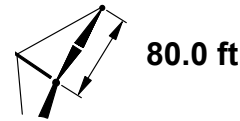
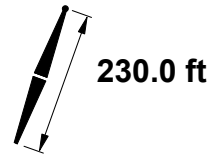
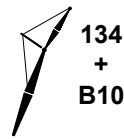
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
60	80.2	303.3	22,600							60
65	79.3	302.3	22,400							65
70	78.3	301.3	22,200	81.0	299.9	22,200				70
75	77.3	300.2	21,900	80.0	298.7	21,900				75
80	76.3	298.9	21,600	79.0	297.5	21,600				80
85	75.3	297.6	21,300	78.0	296.2	21,200	80.8	292.3	19,100	85
90	74.3	296.2	21,000	77.0	294.7	21,000	79.8	290.8	18,900	90
95	73.3	294.7	20,700	76.0	293.2	20,700	78.8	289.3	18,700	95
100	72.3	293.1	20,300	75.0	291.6	20,300	77.8	287.7	18,500	100
105	71.3	291.4	20,000	74.0	289.9	20,100	76.7	285.9	18,200	105
110	70.3	289.6	19,700	73.0	288.1	19,800	75.7	284.1	18,000	110
115	69.3	287.7	19,400	72.0	286.2	19,500	74.7	282.2	17,800	115
120	68.3	285.7	19,100	70.9	284.2	19,200	73.6	280.1	17,500	120
125	67.2	283.6	18,800	69.9	282.0	19,000	72.6	278.0	17,100	125
130	66.2	281.4	18,600	68.8	279.8	18,700	71.5	275.7	16,700	130
135	65.1	279.0	18,200	67.8	277.5	18,400	70.4	273.3	16,300	135
140	64.1	276.6	18,000	66.7	275.0	18,200	69.3	270.8	15,900	140
145	63.0	274.0	17,800	65.6	272.5	17,900	68.2	268.2	15,500	145
150	61.9	271.4	17,400	64.6	269.8	17,700	67.1	265.5	15,200	150
155	60.8	268.6	17,200	63.5	266.9	17,400	66.0	262.6	14,900	155
160	59.7	265.6	17,100	62.3	264.0	17,200	64.9	259.6	14,500	160
165	58.6	262.6	16,800	61.2	260.9	17,000	63.7	256.5	14,200	165
170	57.5	259.4	16,600	60.1	257.7	16,700	62.6	253.2	13,900	170
175	56.3	256.0	16,200	58.9	254.3	16,600	61.4	249.8	13,700	175
180	55.2	252.6	16,000	57.7	250.8	16,300	60.2	246.2	13,400	180
185	54.0	248.9	15,900	56.6	247.2	16,200	59.0	242.5	13,100	185
190	52.8	245.1	15,700	55.3	243.3	15,900	57.8	238.6	12,900	190
195	51.6	241.1	15,400	54.1	239.3	15,700	56.5	234.5	12,700	195
200	50.3	237.0	15,200	52.9	235.1	15,500	55.2	230.2	12,500	200
205	49.0	232.7	14,700	51.6	230.8	15,400	53.9	225.7	12,200	205
210	47.8	228.1	13,800	50.3	226.2	14,600	52.6	221.1	12,000	210
215	46.4	223.4	13,000	49.0	221.4	13,800	51.2	216.2	11,900	215
220	45.1	218.4	12,300	47.6	216.4	13,000	49.8	211.0	11,700	220
225	43.7	213.2	11,600	46.2	211.1	12,200	48.4	205.6	11,500	225
230	42.3	207.7	10,900	44.8	205.6	11,500	46.9	199.9	11,300	230
235	40.8	201.9	10,200	43.3	199.8	10,800	45.4	193.9	11,200	235
240	39.3	195.9	9,600	41.8	193.6	10,200	43.8	187.6	10,700	240
245	37.8	189.5	8,900	40.2	187.1	9,500	42.2	180.8	10,000	245
250	36.2	182.7	7,900	38.6	180.2	8,900	40.5	173.7	9,300	250
255	34.5	175.5	7,000	36.9	172.9	8,000				255
260	32.7	167.8	6,100	35.1	165.1	7,000				260
265	30.9	159.5	5,200	33.2	156.7	6,000				265
270	29.0	150.6	4,300	31.2	147.6	5,100				270
275				29.1	137.7	4,200				275

# MLC250 S-3

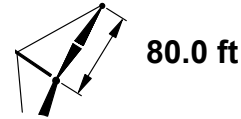
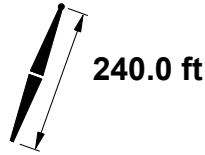
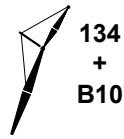
ASME B30.5



ft	5°			15°			25°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	80.6	313.5	22,600							60
65	79.6	312.5	22,300							65
70	78.7	311.5	22,100							70
75	77.7	310.4	21,800	80.4	309.0	21,900				75
80	76.8	309.2	21,600	79.4	307.8	21,600				80
85	75.8	308.0	21,300	78.4	306.5	21,300				85
90	74.9	306.6	21,000	77.5	305.1	21,000	80.2	301.2	19,000	90
95	73.9	305.1	20,600	76.5	303.7	20,700	79.2	299.7	18,700	95
100	72.9	303.6	20,300	75.5	302.1	20,400	78.2	298.1	18,500	100
105	72.0	302.0	20,000	74.6	300.5	20,100	77.2	296.5	18,300	105
110	71.0	300.2	19,700	73.6	298.7	19,900	76.2	294.7	18,100	110
115	70.0	298.4	19,400	72.6	296.9	19,600	75.2	292.8	17,900	115
120	69.0	296.5	19,100	71.6	294.9	19,300	74.2	290.9	17,700	120
125	68.0	294.4	18,800	70.6	292.9	19,100	73.2	288.8	17,400	125
130	67.0	292.3	18,500	69.6	290.8	18,800	72.2	286.6	16,900	130
135	66.0	290.1	18,300	68.6	288.5	18,500	71.1	284.4	16,500	135
140	65.0	287.7	18,000	67.5	286.1	18,300	70.1	282.0	16,200	140
145	63.9	285.3	17,700	66.5	283.7	18,000	69.0	279.5	15,800	145
150	62.9	282.7	17,500	65.5	281.1	17,800	68.0	276.8	15,400	150
155	61.9	280.0	17,200	64.4	278.4	17,600	66.9	274.1	15,100	155
160	60.8	277.2	17,100	63.3	275.6	17,400	65.8	271.2	14,800	160
165	59.7	274.3	16,700	62.3	272.6	17,200	64.7	268.2	14,500	165
170	58.6	271.2	16,500	61.2	269.6	16,900	63.6	265.1	14,200	170
175	57.5	268.1	16,300	60.1	266.4	16,700	62.5	261.8	13,900	175
180	56.4	264.7	16,100	59.0	263.0	16,500	61.3	258.4	13,700	180
185	55.3	261.3	15,900	57.8	259.5	16,300	60.2	254.9	13,400	185
190	54.2	257.7	15,700	56.7	255.9	16,100	59.0	251.2	13,200	190
195	53.0	253.9	15,500	55.5	252.1	15,900	57.8	247.3	12,900	195
200	51.8	250.0	14,900	54.3	248.1	15,700	56.6	243.3	12,700	200
205	50.6	245.9	14,000	53.1	244.0	14,900	55.4	239.0	12,500	205
210	49.4	241.6	13,200	51.9	239.7	14,100	54.1	234.6	12,300	210
215	48.2	237.1	12,400	50.6	235.2	13,200	52.9	230.0	12,100	215
220	46.9	232.4	11,700	49.4	230.5	12,400	51.6	225.2	11,900	220
225	45.6	227.6	10,900	48.1	225.5	11,700	50.2	220.2	11,700	225
230	44.3	222.5	10,300	46.7	220.4	11,000	48.9	214.9	11,500	230
235	43.0	217.1	9,600	45.4	215.0	10,300	47.5	209.3	10,900	235
240	41.6	211.5	9,000	44.0	209.3	9,600	46.0	203.5	10,200	240
245	40.1	205.6	8,400	42.5	203.3	9,000	44.5	197.3	9,500	245
250	38.7	199.4	7,500	41.0	197.0	8,300	43.0	190.8	8,800	250
255	37.1	192.8	6,600	39.5	190.4	7,600	41.4	183.9	8,200	255
260	35.6	185.9	5,700	37.9	183.4	6,700	39.7	176.6	7,500	260
265	33.9	178.5	4,800	36.2	175.9	5,700				265
270				34.5	167.9	4,800				270
275				32.6	159.3	4,000				275

# MLC250 S-3

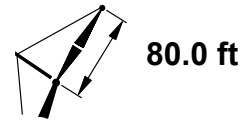
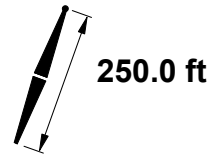
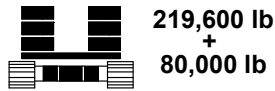
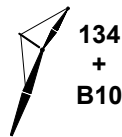
ASME B30.5



	5°			15°			25°			
	ft	o	ft	lb	ft	o	ft	lb	ft	
60	80.9		323.6							60
65	79.9		322.7							65
70	79.0		321.7							70
75	78.1		320.7							75
80	77.2		319.5	80.7	319.2	21,800				80
85	76.3		318.3	79.7	318.0	21,600				85
90	75.3		317.0	78.8	316.8	21,300				90
95	74.4		315.6	77.9	315.5	21,000	80.5	311.5	19,000	95
100	73.5		314.1	77.0	314.1	20,700	79.5	310.1	18,700	100
105	72.5		312.5	76.0	312.6	20,500	78.6	308.6	18,500	105
110	71.6		310.8	75.1	311.0	20,200	77.6	307.0	18,300	110
115	70.7		309.1	74.1	309.3	19,900	76.7	305.3	18,100	115
120	69.7		307.2	73.2	307.5	19,700	75.7	303.5	17,900	120
125	68.7		305.2	72.2	305.7	19,400	74.7	301.6	17,700	125
130	67.8		303.2	71.2	303.7	19,200	73.7	299.6	17,500	130
135	66.8		301.0	70.3	301.6	18,900	72.8	297.5	17,200	135
140	65.8		298.8	69.3	299.5	18,700	71.8	295.3	16,800	140
145	64.8		296.4	68.3	297.2	18,400	70.8	293.0	16,400	145
150	63.8		294.0	67.3	294.8	18,200	69.8	290.6	16,000	150
155	62.8		291.4	66.3	292.3	18,000	68.7	288.1	15,700	155
160	61.8		288.7	65.3	289.7	17,700	67.7	285.4	15,400	160
165	60.8		285.9	64.3	287.0	17,500	66.7	282.7	15,000	165
170	59.7		283.0	63.2	284.2	17,300	65.6	279.8	14,700	170
175	58.7		279.9	62.2	281.3	17,100	64.6	276.8	14,400	175
180	57.6		276.7	61.1	278.2	16,900	63.5	273.7	14,200	180
185	56.6		273.4	60.1	275.0	16,700	62.4	270.5	13,900	185
190	55.5		270.0	59.0	271.7	16,500	61.3	267.1	13,600	190
195	54.4		266.4	57.9	268.2	16,300	60.2	263.5	13,400	195
200	53.2		262.7	56.8	264.6	16,100	59.1	259.9	13,200	200
205	52.1		258.8	55.7	260.8	15,400	57.9	256.0	12,900	205
210	51.0		254.7	54.5	256.9	14,500	56.7	252.0	12,700	210
215	49.8		250.5	53.4	252.8	13,600	55.6	247.9	12,500	215
220	48.6		246.1	52.2	248.6	12,800	54.4	243.5	12,300	220
225	47.4		241.5	51.0	244.1	12,000	53.1	239.0	12,100	225
230	46.1		236.7	49.7	239.5	11,300	51.9	234.2	11,900	230
235	44.9		231.7	48.5	234.7	10,500	50.6	229.3	11,200	235
240	43.6		226.4	47.2	229.6	9,800	49.3	224.1	10,500	240
245	42.2		220.9	45.9	224.3	9,200	47.9	218.7	9,800	245
250	40.9		215.2	44.6	218.8	8,500	46.6	213.0	9,100	250
255	39.5		209.1	43.2	212.9	7,900	45.1	207.0	8,500	255
260	38.0		202.8	41.8	206.8	7,300	43.7	200.7	7,800	260
265	36.5		196.1	40.3	200.4	6,500	42.2	194.0	7,200	265
270			4,600	38.8	193.6	5,600	40.6	187.0	6,400	270
				37.2	186.4	4,700				270

# MLC250 S-3

ASME B30.5



ft	5°			15°			25°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
65	80.3	332.9	22,100						65	
70	79.4	331.9	21,700						70	
75	78.5	330.9	21,500	81.0	329.4	21,800			75	
80	77.6	329.8	21,300	80.1	328.3	21,500			80	
85	76.7	328.6	21,100	79.2	327.1	21,300			85	
90	75.8	327.3	20,800	78.3	325.8	21,000	80.8	321.8	19,000	90
95	74.9	326.0	20,500	77.4	324.5	20,700	79.9	320.5	18,700	95
100	74.0	324.5	20,200	76.5	323.0	20,500	78.9	319.0	18,500	100
105	73.1	323.0	19,900	75.5	321.5	20,200	78.0	317.4	18,400	105
110	72.2	321.4	19,700	74.6	319.8	20,000	77.1	315.8	18,100	110
115	71.3	319.7	19,400	73.7	318.1	19,700	76.2	314.1	18,000	115
120	70.3	317.9	19,100	72.8	316.3	19,400	75.2	312.2	17,800	120
125	69.4	316.0	18,800	71.8	314.4	19,200	74.3	310.3	17,600	125
130	68.5	314.0	18,600	70.9	312.4	19,000	73.3	308.3	17,400	130
135	67.5	311.9	18,300	70.0	310.4	18,800	72.4	306.2	17,000	135
140	66.6	309.8	18,000	69.0	308.2	18,600	71.4	303.9	16,700	140
145	65.6	307.5	17,800	68.0	305.9	18,300	70.4	301.6	16,300	145
150	64.7	305.1	17,500	67.1	303.5	18,100	69.5	299.2	15,900	150
155	63.7	302.6	17,300	66.1	301.0	17,800	68.5	296.7	15,600	155
160	62.7	300.0	17,100	65.1	298.4	17,600	67.5	294.0	15,300	160
165	61.7	297.4	16,900	64.1	295.7	17,400	66.5	291.3	15,000	165
170	60.8	294.5	16,600	63.1	292.9	17,200	65.4	288.4	14,700	170
175	59.7	291.6	16,400	62.1	289.9	17,000	64.4	285.4	14,400	175
180	58.7	288.6	16,100	61.1	286.9	16,800	63.4	282.3	14,100	180
185	57.7	285.4	16,000	60.1	283.7	16,600	62.3	279.1	13,900	185
190	56.7	282.1	15,800	59.0	280.4	16,400	61.3	275.7	13,600	190
195	55.6	278.7	15,400	58.0	276.9	16,300	60.2	272.2	13,400	195
200	54.5	275.1	14,500	56.9	273.3	15,500	59.1	268.5	13,200	200
205	53.5	271.4	13,600	55.8	269.6	14,600	58.0	264.7	13,000	205
210	52.4	267.6	12,800	54.7	265.7	13,700	56.9	260.8	12,700	210
215	51.3	263.5	12,000	53.6	261.7	12,900	55.7	256.7	12,500	215
220	50.1	259.4	11,200	52.4	257.5	12,100	54.5	252.4	12,300	220
225	49.0	255.0	10,500	51.3	253.1	11,300	53.4	247.9	12,100	225
230	47.8	250.5	9,800	50.1	248.5	10,600	52.2	243.2	11,300	230
235	46.6	245.8	9,200	48.9	243.7	9,900	50.9	238.3	10,600	235
240	45.4	240.8	8,500	47.7	238.8	9,200	49.7	233.3	9,900	240
245	44.1	235.7	7,900	46.4	233.6	8,600	48.4	227.9	9,200	245
250	42.9	230.3	7,300	45.1	228.2	8,000	47.1	222.4	8,600	250
255	41.6	224.7	6,700	43.8	222.5	7,400	45.7	216.5	7,900	255
260	40.2	218.8	5,800	42.4	216.5	6,800	44.3	210.4	7,300	260
265	38.8	212.6	5,000	41.0	210.3	6,000	42.9	204.0	6,700	265
270	37.4	206.1	4,200	39.6	203.7	5,200	41.4	197.2	6,000	270
275				38.1	196.8	4,300	39.8	190.0	5,100	275