

Liftcrane Jib Capacities

Jib No. 148 on
 Boom No. B10:500
 474,400 lb VPC (Variable Position Counterweight)
 360 Degree Rating

MLC300 SERIES 3



LIFTING CAPACITIES: Chart supplements Boom Capacity chart **No. 9336-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 the jib 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. Refer to Boom Rigging **No. 81023380**, Jib Rigging **No. 81023385**, Wire Rope Specifications chart **No. 9471-A**, Counterweight Arrangements chart **No. 9345-A**, and Wind Conditions chart **No. 9472-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. 9629-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 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, and 474,400 lb VPC.

Luffing Jib Backstay Deduct	
Boom Length (ft)	Deduct (lb)
98.4	2,900
118.1	3,500
137.8	4,100
157.5	4,600
177.2	5,200
196.9	5,800
216.5	6,400
236.2	6,900
255.9	7,500

Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.

Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) 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 # or b, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. For block weights shown with (b), lower boom point must be completely removed. Raising is not permitted in shaded areas of table.

Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 6,200 lb.

Table 1: With Luffing Jib Backstays

Over End or Side of Crawlers						
Boom Length (ft)	Jib No. 148					
	39.4 ft	59.1 ft	78.7 ft	98.4 ft	118.1 ft	137.8 ft
Block Weight (lb)						
98.4	22,900	22,900	22,900	22,900	22,900	22,900
118.1	22,900	22,900	22,900	22,900	22,900	22,900
137.8	22,900	22,900	22,900	22,900	22,900	22,900
157.5	22,900	22,900	22,900	22,900	22,900	22,900
177.2	22,900	22,900	22,900	22,900	22,900	22,900
196.9	22,900	22,900	15,800	15,800	15,800	8,300
216.5	15,800	15,800	15,800	8,300	8,300	#
236.2	8,300	8,300	#	#	#	#
255.9	#	#	#	#	#	#
275.6	#	#	#	#	#	#
295.3	Raising Not Permitted					

Table 2: Without Luffing Jib Backstays

Over End or Side of Crawlers						
Boom Length (ft)	Jib No. 148					
	39.4 ft	59.1 ft	78.7 ft	98.4 ft	118.1 ft	137.8 ft
Block Weight (lb)						
98.4	22,900	22,900	22,900	22,900	22,900	22,900
118.1	22,900	22,900	22,900	22,900	22,900	22,900
137.8	22,900	22,900	22,900	22,900	22,900	22,900
157.5	22,900	22,900	22,900	22,900	22,900	22,900
177.2	22,900	22,900	22,900	22,900	22,900	22,900
196.9	22,900	22,900	22,900	22,900	15,800	15,800
216.5	22,900	15,800	15,800	15,800	8,300	8,300
236.2	15,800	8,300	8,300	8,300	#	#
255.9	#	#	#	#	#	#
275.6	#	#	#	b	b	b
295.3	b	b	b	Raising Not Permitted		

Explanation of Symbols



Jib No. 148
+
Boom No. B10:500



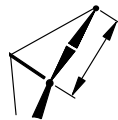
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Jib Length



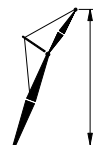
Jib Offset Angle



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Jib Point Elevation
(see page 1)

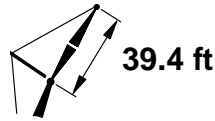
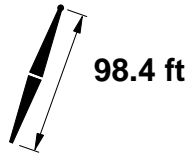
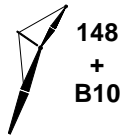


Lifting Capacities
(see page 1)

REFERENCE ONLY!

MLC300 S-3

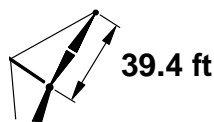
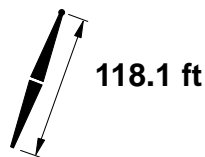
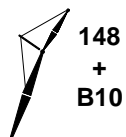
ASME B30.5



	10°			20°			
	ft	ft	lb	ft	ft	lb	
28	84.3	143.9	143,300				28
30	83.4	143.6	143,300				30
32	82.6	143.2	143,300				32
34	81.7	142.8	143,300	84.3	141.4	143,300	34
36	80.9	142.4	143,300	83.4	141.0	142,000	36
38	80.0	141.9	143,300	82.6	140.5	138,000	38
40	79.2	141.4	143,300	81.7	140.0	134,200	40
45	77.0	140.0	143,300	79.5	138.6	125,700	45
50	74.9	138.4	143,300	77.3	136.9	118,300	50
55	72.7	136.5	143,300	75.1	135.1	111,700	55
60	70.4	134.5	135,400	72.9	133.0	105,800	60
65	68.2	132.2	127,000	70.6	130.7	100,700	65
70	65.9	129.7	119,700	68.2	128.2	96,000	70
75	63.5	126.9	113,100	65.8	125.3	91,700	75
80	61.1	123.8	107,300	63.4	122.2	88,000	80
85	58.6	120.5	102,000	60.8	118.8	84,500	85
90	56.0	116.8	97,400	58.2	115.0	81,400	90
95	53.3	112.7	93,100	55.5	110.9	78,500	95
100	50.6	108.2	89,300	52.7	106.4	76,000	100
105	47.7	103.3	85,700	49.7	101.3	73,600	105
110	44.6	97.8	82,500	46.6	95.7	71,500	110
115	41.3	91.7	79,600	43.3	89.4	69,500	115
120	37.8	84.7	77,000	39.6	82.3	67,800	120
125	33.9	76.7	74,600	35.6	74.0	66,300	125
130	29.5	67.3	72,500	31.0	64.1	65,100	130
135	24.2	55.5	70,700				135
140	17.1	39.0	69,400				140

MLC300 S-3

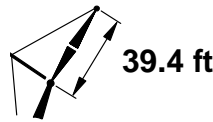
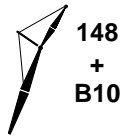
ASME B30.5



	10°			20°			
	ft	ft	lb	ft	ft	lb	
28	85.0	163.8	143,300				28
30	84.2	163.5	143,300				30
32	83.5	163.2	143,300				32
34	82.8	162.8	143,300	85.0	161.4	143,300	34
36	82.0	162.4	143,300	84.3	161.0	143,300	36
38	81.3	162.0	143,300	83.5	160.6	142,100	38
40	80.6	161.6	143,300	82.8	160.1	138,600	40
45	78.7	160.4	143,300	80.9	158.9	130,600	45
50	76.8	159.0	143,300	79.0	157.5	123,500	50
55	74.9	157.4	143,300	77.1	155.9	117,200	55
60	73.0	155.7	143,300	75.1	154.1	111,600	60
65	71.1	153.7	137,600	73.2	152.2	106,500	65
70	69.1	151.6	130,100	71.2	150.0	101,900	70
75	67.1	149.2	123,300	69.2	147.6	97,700	75
80	65.1	146.6	117,200	67.1	145.0	93,900	80
85	63.0	143.8	111,700	65.0	142.2	90,400	85
90	60.9	140.8	106,800	62.9	139.1	87,200	90
95	58.7	137.4	102,200	60.7	135.7	84,200	95
100	56.5	133.9	98,100	58.4	132.1	81,500	100
105	54.2	129.9	94,300	56.1	128.1	79,100	105
110	51.8	125.7	90,800	53.7	123.8	76,800	110
115	49.3	121.1	87,700	51.2	119.1	74,600	115
120	46.8	116.0	84,700	48.5	113.9	72,700	120
125	44.1	110.5	82,000	45.8	108.3	70,900	125
130	41.2	104.4	79,300	42.9	102.0	69,300	130
135	38.2	97.6	75,600	39.7	95.1	67,900	135
140	34.8	89.9	72,200	36.3	87.2	66,600	140
145	31.2	81.2	69,000	32.5	78.1	65,500	145
150	27.0	70.8	66,100	28.1	67.2	64,600	150
155	22.0	57.9	63,400				155

MLC300 S-3

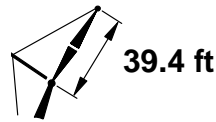
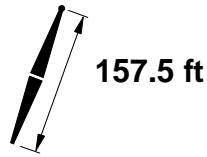
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
30	84.9	183.4	143,300				30
32	84.2	183.1	143,300				32
34	83.6	182.8	143,300				34
36	82.9	182.4	143,300	84.9	180.9	143,300	36
38	82.3	182.1	143,300	84.3	180.6	143,300	38
40	81.6	181.7	143,300	83.6	180.2	142,100	40
45	80.0	180.6	143,300	81.9	179.1	134,600	45
50	78.3	179.4	143,300	80.3	177.9	127,900	50
55	76.6	178.0	143,300	78.6	176.5	121,900	55
60	75.0	176.5	143,300	76.9	174.9	116,400	60
65	73.3	174.7	143,300	75.2	173.2	111,500	65
70	71.5	172.9	139,500	73.4	171.3	106,900	70
75	69.8	170.8	132,500	71.7	169.2	102,800	75
80	68.0	168.6	126,300	69.9	167.0	99,000	80
85	66.3	166.2	120,600	68.1	164.5	95,500	85
90	64.4	163.6	115,400	66.2	161.9	92,300	90
95	62.6	160.7	110,700	64.4	159.0	89,300	95
100	60.7	157.7	106,300	62.5	155.9	86,600	100
105	58.8	154.4	102,400	60.5	152.6	84,000	105
110	56.8	150.9	97,800	58.5	149.1	81,600	110
115	54.8	147.1	92,600	56.5	145.2	79,400	115
120	52.7	143.0	87,700	54.4	141.1	77,400	120
125	50.6	138.6	83,400	52.2	136.6	75,500	125
130	48.4	133.9	79,300	49.9	131.8	73,700	130
135	46.1	128.8	75,600	47.6	126.6	72,100	135
140	43.6	123.2	72,200	45.1	120.9	70,500	140
145	41.1	117.1	69,100	42.6	114.7	69,100	145
150	38.4	110.4	66,100	39.8	107.8	66,300	150
155	35.5	103.0	63,400	36.8	100.2	63,500	155
160	32.4	94.7	60,800	33.6	91.6	60,900	160
165	29.0	85.2	58,500	30.0	81.7	58,500	165
170	25.0	74.0	56,200				170
175	20.2	60.0	54,100				175

MLC300 S-3

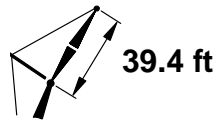
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
32	84.8	203.0	143,300				32
34	84.2	202.7	143,300				34
36	83.6	202.4	143,300				36
38	83.1	202.1	143,300	84.8	200.5	143,100	38
40	82.5	201.7	143,300	84.2	200.2	142,900	40
45	81.0	200.7	143,300	82.8	199.2	137,900	45
50	79.5	199.6	143,300	81.3	198.1	131,500	50
55	78.0	198.4	143,300	79.8	196.8	125,800	55
60	76.5	197.0	143,300	78.2	195.4	120,500	60
65	75.0	195.5	143,300	76.7	193.9	115,800	65
70	73.5	193.8	143,300	75.2	192.2	111,300	70
75	71.9	192.0	140,900	73.6	190.4	107,300	75
80	70.4	190.0	134,500	72.0	188.4	103,500	80
85	68.8	187.9	128,700	70.5	186.2	100,100	85
90	67.2	185.6	123,400	68.8	183.9	96,900	90
95	65.6	183.2	118,500	67.2	181.4	93,900	95
100	63.9	180.5	111,200	65.6	178.8	91,200	100
105	62.3	177.7	104,700	63.9	175.9	88,500	105
110	60.6	174.6	98,800	62.2	172.8	86,100	110
115	58.9	171.4	93,400	60.4	169.6	83,900	115
120	57.1	167.9	88,600	58.6	166.1	81,800	120
125	55.3	164.2	84,200	56.8	162.3	79,800	125
130	53.4	160.3	80,100	54.9	158.3	77,900	130
135	51.5	156.1	76,400	53.0	154.0	76,100	135
140	49.6	151.6	73,000	51.0	149.5	73,200	140
145	47.6	146.7	69,800	49.0	144.5	70,000	145
150	45.5	141.5	66,800	46.9	139.2	67,000	150
155	43.3	135.9	64,100	44.6	133.5	64,300	155
160	41.0	129.8	61,500	42.3	127.4	61,700	160
165	38.6	123.2	59,100	39.9	120.6	59,300	165
170	36.1	116.0	56,900	37.3	113.2	57,000	170
175	33.4	108.0	54,800	34.4	105.0	54,900	175
180	30.4	99.1	52,800	31.4	95.8	52,800	180
185	27.1	88.9	50,900	27.9	85.1	50,900	185
190	23.3	76.8	48,500				190
195	18.7	61.7	45,500				195

MLC300 S-3

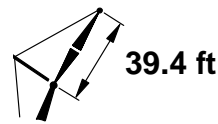
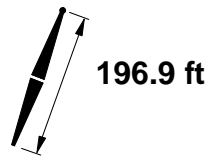
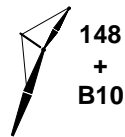
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
34	84.8	222.5	143,300				34
36	84.2	222.3	143,300				36
38	83.7	222.0	143,300				38
40	83.2	221.7	143,300	84.8	220.1	141,900	40
45	81.8	220.8	143,300	83.4	219.2	140,600	45
50	80.5	219.8	143,300	82.1	218.2	134,600	50
55	79.1	218.7	143,300	80.7	217.1	129,100	55
60	77.8	217.4	143,300	79.3	215.8	124,100	60
65	76.4	216.0	143,300	78.0	214.4	119,400	65
70	75.0	214.5	143,300	76.6	212.9	115,200	70
75	73.6	212.9	143,000	75.2	211.3	111,300	75
80	72.2	211.1	142,000	73.8	209.5	107,600	80
85	70.8	209.2	136,200	72.3	207.6	104,200	85
90	69.4	207.2	127,600	70.9	205.5	101,000	90
95	68.0	205.0	119,300	69.5	203.3	98,000	95
100	66.5	202.6	111,900	68.0	200.9	95,300	100
105	65.0	200.1	105,300	66.5	198.4	92,600	105
110	63.5	197.4	99,300	65.0	195.7	90,300	110
115	62.0	194.6	94,000	63.5	192.8	87,900	115
120	60.5	191.6	89,100	61.9	189.7	85,800	120
125	58.9	188.4	84,700	60.3	186.5	83,700	125
130	57.3	185.0	80,600	58.7	183.0	80,900	130
135	55.7	181.3	76,900	57.1	179.4	77,200	135
140	54.0	177.5	73,500	55.4	175.5	73,700	140
145	52.3	173.4	70,300	53.7	171.3	70,500	145
150	50.6	169.1	67,300	51.9	166.9	67,500	150
155	48.8	164.4	64,600	50.1	162.3	64,700	155
160	46.9	159.5	62,000	48.2	157.3	62,200	160
165	45.0	154.2	59,600	46.3	151.9	59,700	165
170	43.0	148.6	57,300	44.2	146.2	57,500	170
175	41.0	142.6	55,200	42.1	140.0	55,300	175
180	38.8	136.0	53,200	39.9	133.4	53,300	180
185	36.5	129.0	51,000	37.6	126.2	51,400	185
190	34.1	121.2	48,300	35.1	118.2	48,800	190
195	31.5	112.7	45,700	32.4	109.4	46,100	195
200	28.6	103.1	43,200	29.5	99.5	43,500	200
205	25.5	92.2	40,700				205
210	21.8	79.4	38,200				210
215	17.4	63.2	35,700				215

MLC300 S-3

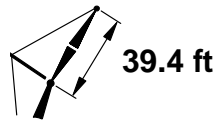
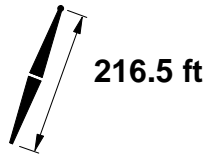
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
36	84.7	242.1	143,300				36
38	84.2	241.9	143,300				38
40	83.7	241.6	143,300				40
45	82.5	240.8	143,300	84.0	239.1	140,100	45
50	81.3	239.9	143,300	82.7	238.2	137,200	50
55	80.0	238.8	143,300	81.5	237.2	131,900	55
60	78.8	237.7	143,300	80.3	236.1	127,100	60
65	77.6	236.4	143,300	79.0	234.8	122,700	65
70	76.3	235.1	142,800	77.7	233.4	118,600	70
75	75.0	233.6	142,200	76.5	231.9	114,800	75
80	73.8	232.0	141,700	75.2	230.3	111,200	80
85	72.5	230.3	138,100	73.9	228.6	107,800	85
90	71.2	228.4	128,600	72.6	226.7	104,700	90
95	69.9	226.4	120,200	71.3	224.7	101,800	95
100	68.6	224.3	112,800	70.0	222.5	99,000	100
105	67.3	222.0	106,100	68.6	220.3	96,400	105
110	65.9	219.6	100,200	67.3	217.9	94,000	110
115	64.6	217.1	94,800	65.9	215.3	91,700	115
120	63.2	214.4	89,900	64.5	212.6	89,500	120
125	61.8	211.5	85,400	63.1	209.7	85,700	125
130	60.4	208.5	81,300	61.7	206.6	81,600	130
135	59.0	205.3	77,600	60.2	203.4	77,800	135
140	57.5	202.0	74,100	58.8	200.0	74,400	140
145	56.0	198.4	70,900	57.3	196.4	71,100	145
150	54.5	194.6	67,900	55.7	192.6	68,100	150
155	53.0	190.7	65,100	54.2	188.6	65,400	155
160	51.4	186.5	62,600	52.6	184.3	62,800	160
165	49.8	182.0	60,100	51.0	179.8	60,300	165
170	48.1	177.3	57,300	49.3	175.1	58,000	170
175	46.4	172.3	54,300	47.5	170.0	55,100	175
180	44.6	167.0	51,400	45.7	164.6	52,100	180
185	42.8	161.3	48,700	43.9	158.9	49,400	185
190	40.9	155.3	46,100	42.0	152.7	46,700	190
195	38.9	148.8	43,600	40.0	146.2	44,200	195
200	36.9	141.9	41,200	37.8	139.0	41,700	200
205	34.7	134.3	38,900	35.6	131.3	39,400	205
210	32.4	126.1	36,700	33.2	122.9	37,100	210
215	29.8	117.0	34,500	30.6	113.6	34,900	215
220	27.1	106.9	32,400	27.8	103.1	32,700	220
225	24.1	95.3	30,400				225
230	20.5	81.7	28,300				230

MLC300 S-3

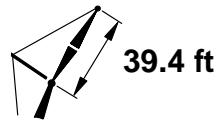
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
38	84.7	261.7	143,300				38
40	84.2	261.4	143,300				40
45	83.1	260.7	143,300	84.5	259.1	138,700	45
50	82.0	259.9	143,300	83.3	258.2	137,800	50
55	80.8	258.9	143,300	82.2	257.3	134,300	55
60	79.7	257.9	143,000	81.0	256.2	129,700	60
65	78.5	256.7	142,400	79.9	255.1	125,500	65
70	77.4	255.5	141,800	78.7	253.8	121,500	70
75	76.2	254.1	141,200	77.5	252.4	117,800	75
80	75.1	252.6	140,600	76.4	250.9	114,400	80
85	73.9	251.0	138,800	75.2	249.3	111,000	85
90	72.7	249.4	129,200	74.0	247.6	108,000	90
95	71.5	247.5	120,800	72.8	245.8	105,100	95
100	70.3	245.6	113,400	71.6	243.9	102,400	100
105	69.1	243.6	106,700	70.4	241.8	99,900	105
110	67.9	241.4	100,700	69.2	239.6	97,400	110
115	66.7	239.1	95,300	67.9	237.3	95,200	115
120	65.4	236.6	90,400	66.7	234.8	90,700	120
125	64.2	234.1	85,900	65.4	232.2	86,200	125
130	62.9	231.3	81,800	64.1	229.5	82,100	130
135	61.6	228.5	78,000	62.8	226.6	78,300	135
140	60.3	225.5	74,500	61.5	223.6	74,800	140
145	59.0	222.3	71,300	60.2	220.4	71,600	145
150	57.7	219.0	68,300	58.8	217.0	68,600	150
155	56.3	215.4	65,500	57.5	213.4	65,800	155
160	54.9	211.8	62,300	56.1	209.7	63,200	160
165	53.5	207.9	59,000	54.6	205.8	60,000	165
170	52.1	203.8	55,900	53.2	201.7	56,800	170
175	50.6	199.5	52,900	51.7	197.3	53,800	175
180	49.1	194.9	50,100	50.2	192.7	50,900	180
185	47.5	190.1	47,400	48.6	187.9	48,200	185
190	45.9	185.1	44,800	47.0	182.7	45,600	190
195	44.3	179.7	42,400	45.3	177.3	43,100	195
200	42.6	174.1	40,100	43.6	171.6	40,700	200
205	40.9	168.0	37,900	41.8	165.4	38,500	205
210	39.1	161.6	35,800	40.0	158.9	36,300	210
215	37.2	154.8	33,700	38.1	151.9	34,200	215
220	35.2	147.4	31,700	36.0	144.4	32,200	220
225	33.1	139.4	29,800	33.9	136.2	30,200	225
230	30.8	130.7	28,000	31.6	127.3	28,300	230
235	28.4	121.1	26,200	29.1	117.4	26,400	235
240	25.8	110.4	24,400	26.4	106.3	24,600	240
245	22.8	98.2	22,600				245
250	19.4	83.7	20,800				250

MLC300 S-3

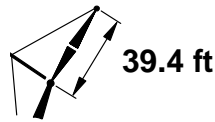
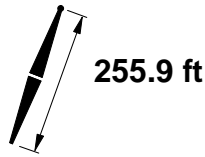
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
40	84.6	281.3	143,300				40
45	83.6	280.6	143,300	84.9	278.9	134,300	45
50	82.5	279.8	142,700	83.8	278.2	133,200	50
55	81.5	278.9	142,000	82.7	277.3	132,100	55
60	80.4	278.0	141,400	81.7	276.3	131,100	60
65	79.4	276.9	140,700	80.6	275.2	127,900	65
70	78.3	275.8	140,200	79.5	274.1	124,100	70
75	77.2	274.5	139,600	78.5	272.8	120,600	75
80	76.2	273.1	139,100	77.4	271.4	117,100	80
85	75.1	271.7	138,600	76.3	270.0	114,000	85
90	74.0	270.1	130,200	75.2	268.4	111,000	90
95	72.9	268.4	121,700	74.1	266.7	108,200	95
100	71.8	266.7	114,200	73.0	264.9	105,500	100
105	70.7	264.8	107,500	71.9	263.0	103,000	105
110	69.6	262.8	101,500	70.8	261.0	100,600	110
115	68.5	260.7	96,000	69.6	258.9	96,400	115
120	67.3	258.4	91,100	68.5	256.6	91,400	120
125	66.2	256.1	86,500	67.3	254.3	86,900	125
130	65.0	253.6	82,400	66.2	251.8	82,700	130
135	63.8	251.0	78,600	65.0	249.2	78,900	135
140	62.7	248.3	75,000	63.8	246.4	75,400	140
145	61.5	245.4	70,700	62.6	243.5	72,100	145
150	60.3	242.4	66,700	61.4	240.5	68,000	150
155	59.0	239.3	62,900	60.1	237.3	64,200	155
160	57.8	235.9	59,400	58.9	234.0	60,600	160
165	56.5	232.5	56,100	57.6	230.5	57,200	165
170	55.2	228.8	53,000	56.3	226.8	54,000	170
175	53.9	225.0	50,000	55.0	222.9	51,000	175
180	52.6	221.0	47,200	53.7	218.9	48,200	180
185	51.3	216.8	44,600	52.3	214.7	45,500	185
190	49.9	212.5	42,100	50.9	210.2	42,900	190
195	48.5	207.8	39,700	49.5	205.6	40,500	195
200	47.0	203.0	37,400	48.0	200.7	38,200	200
205	45.5	197.9	35,300	46.5	195.5	36,000	205
210	44.0	192.5	33,200	45.0	190.0	33,800	210
215	42.5	186.8	31,200	43.4	184.3	31,800	215
220	40.8	180.8	29,300	41.7	178.2	29,800	220
225	39.2	174.4	27,400	40.0	171.7	27,900	225
230	37.4	167.6	25,600	38.2	164.8	26,100	230
235	35.6	160.4	23,900	36.4	157.4	24,400	235
240	33.7	152.6	22,300	34.4	149.4	22,600	240
245	31.6	144.2	20,600	32.3	140.8	21,000	245
250	29.5	135.0	19,100	30.1	131.4	19,300	250
260	24.6	113.7	16,000				260
270	18.4	85.6	12,900				270

MLC300 S-3

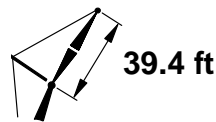
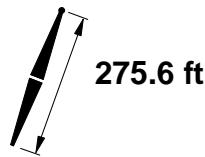
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
40	85.0	301.1	141,200				40
45	84.0	300.5	140,500				45
50	83.0	299.7	139,700	84.2	298.1	127,300	50
55	82.1	298.9	139,000	83.2	297.2	125,400	55
60	81.1	298.0	138,400	82.2	296.3	121,800	60
65	80.1	297.0	136,000	81.3	295.3	118,300	65
70	79.1	296.0	131,700	80.3	294.3	115,100	70
75	78.1	294.8	127,600	79.3	293.1	112,000	75
80	77.1	293.5	123,600	78.3	291.8	109,100	80
85	76.1	292.2	120,100	77.2	290.4	106,400	85
90	75.1	290.7	116,600	76.2	289.0	103,800	90
95	74.1	289.2	113,300	75.2	287.4	101,300	95
100	73.1	287.5	110,300	74.2	285.8	99,000	100
105	72.0	285.8	107,400	73.2	284.0	96,700	105
110	71.0	283.9	102,100	72.1	282.2	94,600	110
115	70.0	282.0	96,600	71.1	280.2	92,600	115
120	68.9	279.9	91,600	70.0	278.1	90,600	120
125	67.9	277.8	87,100	69.0	276.0	87,400	125
130	66.8	275.5	82,700	67.9	273.7	83,300	130
135	65.7	273.1	77,800	66.8	271.3	79,400	135
140	64.7	270.6	73,100	65.7	268.7	74,700	140
145	63.6	268.0	68,900	64.6	266.1	70,300	145
150	62.5	265.2	64,900	63.5	263.3	66,200	150
155	61.3	262.4	61,100	62.4	260.4	62,400	155
160	60.2	259.4	57,600	61.2	257.4	58,900	160
165	59.1	256.2	54,300	60.1	254.2	55,500	165
170	57.9	252.9	51,300	58.9	250.9	52,400	170
175	56.7	249.5	48,300	57.7	247.5	49,400	175
180	55.5	245.9	45,600	56.5	243.9	46,600	180
185	54.3	242.2	43,000	55.3	240.1	43,900	185
190	53.1	238.3	40,500	54.1	236.1	41,400	190
195	51.9	234.2	38,100	52.8	232.0	39,000	195
200	50.6	229.9	35,900	51.5	227.7	36,700	200
205	49.3	225.4	33,700	50.2	223.1	34,500	205
210	48.0	220.7	31,700	48.9	218.4	32,400	210
215	46.6	215.8	29,700	47.5	213.4	30,400	215
220	45.2	210.6	27,900	46.1	208.2	28,500	220
225	43.8	205.2	26,100	44.7	202.7	26,700	225
230	42.3	199.5	24,300	43.2	197.0	24,900	230
235	40.8	193.5	22,700	41.6	190.9	23,200	235
240	39.2	187.2	21,100	40.0	184.4	21,600	240
245	37.6	180.5	19,500	38.4	177.6	20,000	245
250	35.9	173.3	18,000	36.7	170.3	18,400	250
260	32.3	157.5	15,100	33.0	154.2	15,500	260
270	28.3	139.1	12,400	28.8	135.3	12,600	270
280	23.5	116.7	9,700				280
290	17.5	87.2	7,000				290

MLC300 S-3

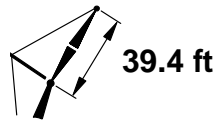
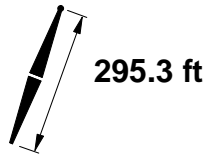
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
45	84.4	320.3	137,800				45
50	83.5	319.6	137,100	84.6	317.9	121,900	50
55	82.6	318.9	136,400	83.7	317.2	121,000	55
60	81.6	318.0	135,100	82.7	316.3	120,000	60
65	80.7	317.1	133,800	81.8	315.4	119,100	65
70	79.8	316.1	132,600	80.9	314.4	118,000	70
75	78.9	315.0	131,400	79.9	313.3	115,300	75
80	77.9	313.8	128,600	79.0	312.1	112,800	80
85	77.0	312.6	125,400	78.1	310.8	110,400	85
90	76.1	311.2	122,200	77.1	309.5	108,100	90
95	75.1	309.8	119,300	76.2	308.0	105,900	95
100	74.2	308.2	115,700	75.2	306.5	103,700	100
105	73.2	306.6	108,900	74.3	304.8	101,800	105
110	72.2	304.9	102,800	73.3	303.1	99,900	110
115	71.3	303.1	96,900	72.3	301.3	97,700	115
120	70.3	301.2	90,600	71.3	299.4	92,600	120
125	69.3	299.2	84,700	70.4	297.3	86,700	125
130	68.3	297.1	79,400	69.4	295.2	81,200	130
135	67.4	294.9	74,500	68.4	293.0	76,200	135
140	66.4	292.5	69,900	67.4	290.7	71,500	140
145	65.3	290.1	65,600	66.3	288.2	67,200	145
150	64.3	287.6	61,600	65.3	285.7	63,100	150
155	63.3	284.9	57,900	64.3	283.0	59,400	155
160	62.3	282.2	54,400	63.2	280.3	55,800	160
165	61.2	279.3	51,200	62.2	277.4	52,500	165
170	60.2	276.3	48,100	61.1	274.3	49,400	170
175	59.1	273.2	45,200	60.0	271.2	46,400	175
180	58.0	269.9	42,500	59.0	267.9	43,600	180
185	56.9	266.5	39,900	57.9	264.5	41,000	185
190	55.8	263.0	37,400	56.7	260.9	38,500	190
195	54.7	259.3	35,100	55.6	257.2	36,100	195
200	53.5	255.4	32,900	54.4	253.3	33,800	200
205	52.4	251.4	30,700	53.3	249.3	31,600	205
210	51.2	247.2	28,700	52.1	245.0	29,600	210
215	50.0	242.9	26,800	50.9	240.6	27,600	215
220	48.7	238.3	24,900	49.6	236.0	25,700	220
225	47.5	233.6	23,200	48.4	231.2	23,900	225
230	46.2	228.6	21,500	47.1	226.2	22,200	230
235	44.9	223.4	19,800	45.7	221.0	20,500	235
240	43.6	218.0	18,300	44.4	215.5	18,900	240
245	42.2	212.3	16,800	43.0	209.7	17,300	245
250	40.8	206.3	15,300	41.5	203.6	15,800	250
260	37.8	193.3	12,500	38.5	190.4	13,000	260
270	34.6	178.8	9,900	35.3	175.6	10,300	270
280	31.1	162.2	7,400	31.7	158.8	7,700	280

MLC300 S-3

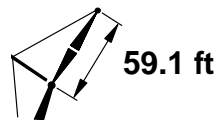
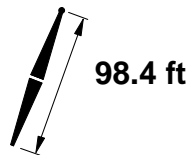
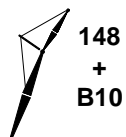
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
45	84.7	340.1	122,600	84.9	337.8	104,600	45
50	83.9	339.5	117,100	84.0	337.1	100,500	50
55	83.0	338.8	112,000	83.2	336.3	96,700	55
60	82.1	338.0	107,300	82.3	335.4	93,100	60
65	81.3	337.1	102,900	81.4	334.5	89,700	65
70	80.4	336.2	98,800	80.5	333.4	86,600	70
75	79.5	335.1	94,900	79.7	332.3	83,600	75
80	78.7	334.0	91,400	78.8	331.1	80,800	80
85	77.8	332.9	88,000	77.9	329.8	78,200	85
90	76.9	331.6	84,900	77.0	328.5	75,700	90
95	76.0	330.2	81,900	76.1	327.0	73,300	95
100	75.1	328.8	79,100	75.2	325.5	71,000	100
105	74.2	327.3	76,500	74.3	323.9	69,000	105
110	73.3	325.7	74,000	73.4	322.2	66,900	110
115	72.4	324.0	71,700	72.5	320.4	65,100	115
120	71.5	322.2	69,500	71.6	318.5	63,200	120
125	70.6	320.3	67,400	70.7	316.5	61,500	125
130	69.7	318.4	65,400	69.7	314.5	59,800	130
135	68.8	316.3	63,500	68.8	312.3	58,300	135
140	67.8	314.2	61,700	67.9	310.1	56,700	140
145	66.9	311.9	60,000	66.9	307.7	55,300	145
150	66.0	309.6	58,400	65.9	305.2	53,900	150
155	65.0	307.1	56,900	65.0	302.7	52,600	155
160	64.0	304.6	54,200	64.0	300.0	51,400	160
165	63.1	301.9	50,900	63.0	297.2	49,100	165
170	62.1	299.1	47,800	62.0	294.3	46,100	170
175	61.1	296.3	44,900	61.0	291.3	43,300	175
180	60.1	293.3	42,100	60.0	288.1	40,700	180
185	59.1	290.1	39,500	59.0	284.9	38,200	185
190	58.1	286.9	37,100	58.0	281.5	35,800	190
195	57.1	283.5	34,700	56.9	277.9	33,500	195
200	56.0	280.0	32,500	55.8	274.3	31,400	200
205	55.0	276.4	30,400	54.8	270.4	29,300	205
210	53.9	272.6	28,400	53.7	266.5	27,300	210
215	52.8	268.7	26,400	52.5	262.3	25,400	215
220	51.7	264.6	24,600	51.4	258.1	23,600	220
225	50.6	260.3	22,800	50.3	253.6	21,900	225
230	49.4	255.9	21,100	49.1	248.9	20,200	230
235	48.3	251.2	19,500	47.9	244.1	18,600	235
240	47.1	246.4	18,000	46.7	239.0	17,100	240
245	45.9	241.4	16,500	45.4	233.7	15,600	245
250	44.6	236.2	15,000	42.8	222.4	12,800	250
260	42.1	225.0	12,300	40.1	209.9	10,200	260
270	39.4	212.7	9,700	37.2	196.2	7,700	270
280	36.5	199.1	7,300				280

MLC300 S-3

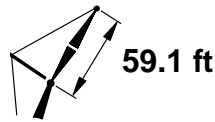
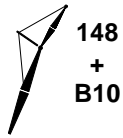
ASME B30.5



	10°			20°			
	ft	ft	lb	ft	ft	lb	
34	84.7	162.5	116,600				34
36	83.9	162.1	115,100				36
38	83.2	161.7	113,400				38
40	82.4	161.3	111,800				40
45	80.6	160.1	107,900				45
50	78.7	158.7	104,300	83.9	158.1	90,000	50
55	76.8	157.1	101,000	80.1	155.1	84,700	55
60	74.9	155.3	97,800	78.1	153.3	79,900	60
65	72.9	153.4	94,700	76.2	151.3	75,700	65
70	71.0	151.2	89,200	74.2	149.1	71,900	70
75	69.0	148.9	84,300	72.1	146.7	68,500	75
80	66.9	146.3	80,000	70.1	144.1	65,500	80
85	64.8	143.5	76,100	67.9	141.3	62,600	85
90	62.7	140.4	72,500	65.8	138.2	60,100	90
95	60.5	137.1	69,300	63.6	134.8	57,700	95
100	58.3	133.5	66,300	61.3	131.1	55,600	100
105	56.0	129.6	63,600	58.9	127.1	53,600	105
110	53.6	125.3	61,100	56.5	122.7	51,800	110
115	51.1	120.6	58,800	54.0	118.0	50,100	115
120	48.6	115.6	56,700	51.3	112.8	48,600	120
125	45.8	110.0	54,800	48.5	107.1	47,100	125
130	43.0	103.9	53,000	45.6	100.8	45,800	130
135	39.9	97.1	51,300	42.4	93.7	44,700	135
140	36.6	89.4	49,800	38.9	85.6	43,600	140
145	32.9	80.5	48,400	35.1	76.3	42,600	145
150	28.7	70.1	47,200	30.6	65.1	41,800	150
155	23.6	57.0	46,100			41,100	155

MLC300 S-3

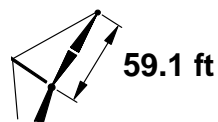
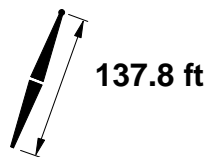
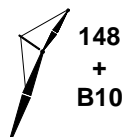
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
36	84.6	182.1	115,900				36
38	84.0	181.7	114,400				38
40	83.3	181.3	113,000				40
45	81.6	180.3	109,600	84.6	178.2	91,900	45
50	80.0	179.0	106,300	82.9	176.9	87,000	50
55	78.3	177.6	103,200	81.2	175.5	82,500	55
60	76.6	176.1	100,400	79.5	174.0	78,500	60
65	74.9	174.4	97,600	77.8	172.2	74,900	65
70	73.2	172.5	95,100	76.1	170.3	71,600	70
75	71.5	170.4	90,300	74.3	168.2	68,600	75
80	69.7	168.2	85,900	72.5	166.0	65,900	80
85	67.9	165.8	81,900	70.7	163.5	63,400	85
90	66.1	163.2	78,300	68.8	160.9	61,000	90
95	64.2	160.3	74,900	67.0	158.0	58,900	95
100	62.3	157.3	71,900	65.0	154.9	56,900	100
105	60.4	154.0	69,000	63.1	151.5	55,100	105
110	58.4	150.5	66,400	61.1	148.0	53,400	110
115	56.4	146.7	64,000	59.0	144.1	51,800	115
120	54.3	142.6	61,800	56.9	139.9	50,300	120
125	52.2	138.2	59,700	54.7	135.4	48,900	125
130	49.9	133.4	57,800	52.4	130.5	47,700	130
135	47.6	128.3	56,000	50.0	125.3	46,500	135
140	45.2	122.7	54,300	47.6	119.5	45,400	140
145	42.7	116.5	52,800	44.9	113.2	44,400	145
150	40.0	109.8	51,300	42.1	106.3	43,500	150
155	37.1	102.4	50,000	39.1	98.5	42,600	155
160	33.9	94.0	48,800	35.8	89.8	41,900	160
165	30.4	84.4	47,600	32.1	79.6	41,300	165
170	26.4	73.0	46,600				170
175	21.6	58.8	45,800				175

MLC300 S-3

ASME B30.5



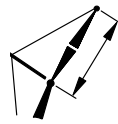
ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
38	84.6	201.7	115,000				38
40	84.0	201.3	113,800				40
45	82.5	200.3	110,600				45
50	81.0	199.2	107,700	83.7	197.1	88,800	50
55	79.5	198.0	104,900	82.2	195.8	84,700	55
60	78.0	196.6	102,300	80.6	194.4	80,900	60
65	76.5	195.1	99,700	79.1	192.9	77,400	65
70	75.0	193.4	97,400	77.5	191.2	74,200	70
75	73.4	191.6	95,200	76.0	189.3	71,400	75
80	71.9	189.6	91,300	74.4	187.3	68,700	80
85	70.3	187.5	87,100	72.8	185.2	66,200	85
90	68.7	185.2	83,500	71.2	182.8	64,000	90
95	67.1	182.7	80,000	69.5	180.3	61,800	95
100	65.4	180.1	76,900	67.9	177.6	59,900	100
105	63.7	177.2	74,000	66.2	174.7	58,000	105
110	62.0	174.2	71,300	64.4	171.7	56,300	110
115	60.3	170.9	68,800	62.7	168.4	54,700	115
120	58.5	167.5	66,500	60.9	164.8	53,200	120
125	56.7	163.8	64,300	59.1	161.1	51,800	125
130	54.9	159.8	62,300	57.2	157.0	50,500	130
135	53.0	155.6	60,400	55.2	152.7	49,300	135
140	51.0	151.0	58,700	53.2	148.1	48,100	140
145	49.0	146.2	57,000	51.2	143.1	47,000	145
150	46.9	140.9	55,500	49.0	137.8	46,000	150
155	44.7	135.3	54,000	46.8	132.0	45,100	155
160	42.4	129.2	52,600	44.4	125.7	44,200	160
165	40.0	122.6	51,300	41.9	118.9	43,400	165
170	37.4	115.3	50,200	39.3	111.4	42,700	170
175	34.7	107.3	49,100	36.4	103.0	42,000	175
180	31.7	98.3	48,000	33.3	93.5	41,500	180
185	28.4	87.9	47,100	29.7	82.6	41,000	185
190	24.5	75.7	46,300				190
195	19.8	60.3	45,600				195

MLC300 S-3

ASME B30.5



157.5 ft

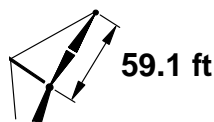
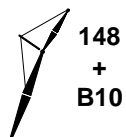


59.1 ft

	10°			20°			
	ft	°	ft	lb	ft	lb	
40	84.5	221.2	114,000				40
45	83.2	220.4	111,200				45
50	81.8	219.4	108,600	84.3	217.1	90,300	50
55	80.5	218.2	106,000	82.9	216.0	86,400	55
60	79.1	217.0	103,600	81.5	214.7	82,800	60
65	77.8	215.6	101,300	80.1	213.3	79,500	65
70	76.4	214.1	99,100	78.7	211.8	76,500	70
75	75.0	212.5	97,100	77.3	210.1	73,700	75
80	73.6	210.7	95,100	75.9	208.3	71,100	80
85	72.2	208.8	92,000	74.5	206.4	68,800	85
90	70.7	206.7	88,200	73.0	204.3	66,500	90
95	69.3	204.5	84,700	71.6	202.1	64,400	95
100	67.8	202.2	81,600	70.1	199.7	62,500	100
105	66.4	199.7	78,600	68.6	197.2	60,700	105
110	64.9	197.0	75,900	67.1	194.4	59,000	110
115	63.3	194.1	73,300	65.5	191.5	57,400	115
120	61.8	191.1	70,900	64.0	188.5	55,800	120
125	60.2	187.9	68,700	62.4	185.2	54,400	125
130	58.6	184.4	66,600	60.8	181.7	53,100	130
135	57.0	180.8	64,600	59.1	178.0	51,900	135
140	55.3	177.0	62,800	57.4	174.1	50,600	140
145	53.6	172.9	61,000	55.7	169.9	49,500	145
150	51.9	168.5	59,400	53.9	165.5	48,500	150
155	50.1	163.9	57,900	52.0	160.8	47,500	155
160	48.2	158.9	56,400	50.1	155.7	46,600	160
165	46.3	153.6	55,100	48.2	150.3	45,700	165
170	44.3	148.0	53,800	46.1	144.5	44,800	170
175	42.2	141.9	52,600	44.0	138.3	44,100	175
180	40.0	135.3	51,400	41.8	131.6	43,400	180
185	37.7	128.2	50,300	39.4	124.2	42,700	185
190	35.3	120.4	49,300	36.9	116.1	42,200	190
195	32.7	111.8	47,600	34.1	107.2	41,600	195
200	29.8	102.2	46,000	31.1	97.0	41,100	200
205	26.6	91.2	44,500				205
210	22.9	78.1	42,100				210

MLC300 S-3

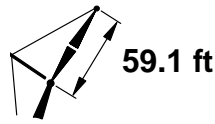
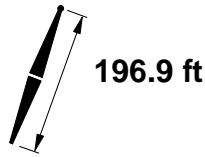
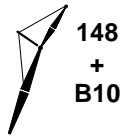
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
40	85.0	241.1	113,400				40
45	83.8	240.3	111,400				45
50	82.5	239.4	109,000	84.8	237.1	91,500	50
55	81.3	238.4	106,700	83.5	236.0	87,900	55
60	80.1	237.2	104,500	82.2	234.9	84,500	60
65	78.8	236.0	102,400	81.0	233.6	81,400	65
70	77.6	234.6	100,400	79.7	232.2	78,500	70
75	76.3	233.1	98,500	78.4	230.7	75,800	75
80	75.0	231.5	96,600	77.2	229.1	73,300	80
85	73.7	229.8	94,800	75.9	227.4	70,900	85
90	72.4	227.9	92,500	74.6	225.5	68,700	90
95	71.1	225.9	89,100	73.2	223.5	66,700	95
100	69.8	223.8	85,800	71.9	221.3	64,800	100
105	68.5	221.6	82,800	70.6	219.0	63,000	105
110	67.2	219.1	80,100	69.2	216.6	61,300	110
115	65.8	216.6	77,500	67.8	214.0	59,700	115
120	64.4	213.9	75,000	66.4	211.3	58,200	120
125	63.0	211.0	72,700	65.0	208.4	56,800	125
130	61.6	208.0	70,600	63.6	205.3	55,400	130
135	60.2	204.8	68,500	62.1	202.1	54,200	135
140	58.7	201.4	66,600	60.6	198.6	53,000	140
145	57.2	197.9	64,800	59.1	195.0	51,900	145
150	55.7	194.1	63,100	57.6	191.2	50,800	150
155	54.2	190.1	61,600	56.0	187.1	49,700	155
160	52.6	185.9	60,000	54.4	182.8	48,800	160
165	50.9	181.4	58,600	52.8	178.3	47,900	165
170	49.3	176.7	57,200	51.1	173.5	47,000	170
175	47.6	171.7	55,300	49.3	168.4	46,200	175
180	45.8	166.3	53,300	47.5	162.9	45,400	180
185	44.0	160.7	51,400	45.6	157.1	44,700	185
190	42.1	154.6	49,600	43.7	150.9	44,000	190
195	40.1	148.1	47,900	41.6	144.2	43,300	195
200	38.0	141.1	46,300	39.5	137.0	42,800	200
205	35.8	133.5	44,000	37.2	129.2	42,200	205
210	33.4	125.2	41,800	34.8	120.6	41,700	210
215	30.9	116.1	39,600	32.1	111.0	40,100	215
220	28.2	105.9	37,400	29.2	100.3	37,800	220
225	25.1	94.2	35,300				225
230	21.5	80.3	33,200				230

MLC300 S-3

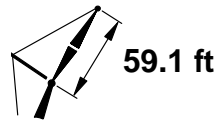
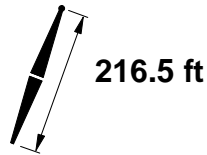
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
45	84.2	260.2	111,100				45
50	83.1	259.4	109,000				50
55	82.0	258.5	106,900	84.0	256.1	89,100	55
60	80.8	257.4	105,000	82.9	255.0	85,900	60
65	79.7	256.3	103,000	81.7	253.8	82,900	65
70	78.5	255.0	101,200	80.5	252.6	80,200	70
75	77.4	253.6	99,400	79.4	251.2	77,600	75
80	76.2	252.2	97,700	78.2	249.7	75,200	80
85	75.0	250.6	96,000	77.0	248.1	72,900	85
90	73.9	248.9	94,500	75.8	246.4	70,800	90
95	72.7	247.1	92,900	74.6	244.5	68,800	95
100	71.5	245.1	89,800	73.4	242.6	66,900	100
105	70.3	243.1	86,800	72.2	240.5	65,100	105
110	69.0	240.9	84,000	70.9	238.3	63,500	110
115	67.8	238.6	81,300	69.7	236.0	61,900	115
120	66.6	236.1	78,900	68.4	233.5	60,400	120
125	65.3	233.5	76,600	67.2	230.9	59,000	125
130	64.0	230.8	74,300	65.9	228.1	57,700	130
135	62.7	228.0	72,300	64.6	225.2	56,400	135
140	61.4	224.9	70,300	63.3	222.2	55,200	140
145	60.1	221.7	68,500	61.9	218.9	54,000	145
150	58.8	218.4	66,700	60.5	215.6	52,900	150
155	57.4	214.9	65,100	59.2	212.0	51,900	155
160	56.0	211.2	62,600	57.7	208.2	50,900	160
165	54.6	207.3	60,200	56.3	204.3	50,000	165
170	53.1	203.2	57,900	54.8	200.1	49,100	170
175	51.7	198.9	55,700	53.3	195.7	48,200	175
180	50.2	194.3	53,700	51.8	191.1	47,400	180
185	48.6	189.5	51,400	50.2	186.2	46,600	185
190	47.0	184.4	48,800	48.6	181.0	45,900	190
195	45.4	179.1	46,300	46.9	175.5	45,200	195
200	43.7	173.4	44,000	45.2	169.7	44,600	200
205	41.9	167.3	41,700	43.4	163.5	42,600	205
210	40.1	160.9	39,600	41.5	156.9	40,400	210
215	38.2	154.0	37,500	39.6	149.8	38,200	215
220	36.2	146.5	35,500	37.5	142.2	36,100	220
225	34.1	138.5	33,600	35.3	133.9	34,100	225
230	31.8	129.7	31,700	33.0	124.8	32,200	230
235	29.4	120.1	29,800	30.4	114.7	30,200	235
240	26.7	109.3	28,000				240
245	23.7	96.9	26,200				245
250	20.3	82.2	24,400				250

MLC300 S-3

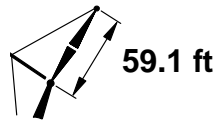
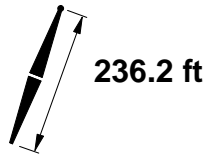
ASME B30.5



	10°			20°				
	ft	°	ft	lb	ft	lb		ft
45	84.7		280.1	110,600			45	
50	83.6		279.3	108,700			50	
55	82.6		278.5	106,800	84.5	276.0	90,200	55
60	81.5		277.5	105,000	83.4	275.0	87,100	60
65	80.4		276.4	103,200	82.3	274.0	84,200	65
70	79.4		275.3	101,600	81.2	272.8	81,600	70
75	78.3		274.0	100,000	80.2	271.5	79,200	75
80	77.2		272.6	98,300	79.1	270.2	76,800	80
85	76.1		271.2	96,900	78.0	268.7	74,700	85
90	75.1		269.6	95,400	76.9	267.1	72,600	90
95	74.0		267.9	94,000	75.8	265.4	70,700	95
100	72.9		266.2	92,600	74.7	263.6	68,800	100
105	71.7		264.3	90,400	73.5	261.7	67,000	105
110	70.6		262.3	87,600	72.4	259.7	65,400	110
115	69.5		260.2	84,900	71.3	257.5	63,900	115
120	68.4		257.9	82,400	70.1	255.3	62,400	120
125	67.2		255.6	80,100	69.0	252.9	61,000	125
130	66.1		253.1	77,900	67.8	250.4	59,600	130
135	64.9		250.5	75,700	66.6	247.8	58,400	135
140	63.7		247.7	73,800	65.4	245.0	57,200	140
145	62.5		244.9	71,300	64.2	242.1	56,000	145
150	61.3		241.9	68,300	63.0	239.0	54,900	150
155	60.1		238.7	65,500	61.7	235.8	53,900	155
160	58.8		235.4	62,900	60.5	232.5	52,800	160
165	57.6		231.9	60,500	59.2	228.9	51,900	165
170	56.3		228.3	58,200	57.9	225.3	51,000	170
175	55.0		224.4	55,400	56.6	221.4	50,100	175
180	53.6		220.4	52,600	55.2	217.3	49,300	180
185	52.3		216.2	49,900	53.8	213.1	48,500	185
190	50.9		211.8	47,300	52.4	208.6	47,700	190
195	49.5		207.2	44,900	51.0	203.9	46,000	195
200	48.0		202.3	42,600	49.5	198.9	43,600	200
205	46.5		197.2	40,400	48.0	193.7	41,400	205
210	45.0		191.8	38,300	46.4	188.2	39,200	210
215	43.4		186.1	36,300	44.8	182.4	37,100	215
220	41.8		180.0	34,300	43.2	176.2	35,100	220
225	40.1		173.6	32,500	41.4	169.6	33,200	225
230	38.4		166.8	30,700	39.6	162.6	31,300	230
235	36.5		159.5	28,900	37.7	155.1	29,500	235
240	34.6		151.7	27,200	35.8	147.0	27,800	240
245	32.6		143.2	25,600	33.6	138.3	26,100	245
250	30.4		134.0	24,000	31.4	128.7	24,400	250
260	25.4		112.5	20,800				260
270	19.2		83.9	17,700				270

MLC300 S-3

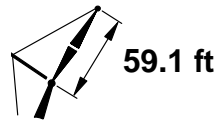
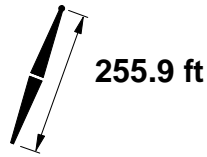
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
50	84.0	299.2	104,500	84.8	296.0	90,700	50
55	83.1	298.4	102,900	83.8	295.0	89,100	55
60	82.1	297.5	101,300	82.8	294.0	86,300	60
65	81.1	296.5	99,800	81.8	293.0	83,800	65
70	80.1	295.5	98,400	80.8	291.8	81,300	70
75	79.1	294.3	97,000	79.8	290.5	79,000	75
80	78.1	293.0	95,500	78.8	289.1	76,900	80
85	77.1	291.7	94,200	77.8	287.7	74,800	85
90	76.1	290.2	92,900	76.8	286.1	72,900	90
95	75.1	288.7	91,700	75.7	284.4	71,100	95
100	74.1	287.0	90,500	74.7	282.7	69,400	100
105	73.0	285.3	89,300	73.7	280.8	67,700	105
110	72.0	283.4	88,200	72.6	278.8	66,200	110
115	71.0	281.5	87,100	71.6	276.7	64,700	115
120	69.9	279.4	86,100	70.5	274.6	63,300	120
125	68.8	277.2	84,300	69.4	272.3	62,000	125
130	67.8	275.0	82,100	68.3	269.8	60,700	130
135	66.7	272.6	78,600	67.2	267.3	59,500	135
140	65.6	270.1	75,100	66.1	264.7	58,300	140
145	64.5	267.4	71,800	65.0	261.9	57,200	145
150	63.4	264.7	68,800	63.9	259.0	56,100	150
155	62.3	261.8	65,600	62.7	255.9	55,100	155
160	61.2	258.8	62,000	61.6	252.7	54,100	160
165	60.0	255.6	58,700	60.4	249.4	53,200	165
170	58.9	252.3	55,500	59.2	245.9	52,300	170
175	57.7	248.9	52,600	58.0	242.3	51,200	175
180	56.5	245.3	49,800	56.8	238.5	48,500	180
185	55.3	241.6	47,100	55.5	234.5	45,900	185
190	54.0	237.6	44,600	54.2	230.3	43,400	190
195	52.8	233.5	42,200	52.9	226.0	41,100	195
200	51.5	229.2	39,900	51.6	221.4	38,800	200
205	50.2	224.7	37,700	50.3	216.6	36,700	205
210	48.9	220.0	35,600	48.9	211.6	34,700	210
215	47.5	215.1	33,700	47.5	206.4	32,700	215
220	46.1	209.9	31,700	46.0	200.8	30,800	220
225	44.7	204.5	29,900	44.5	195.0	29,000	225
230	43.2	198.8	28,200	43.0	188.8	27,200	230
235	41.7	192.7	26,500	41.4	182.3	25,500	235
240	40.1	186.4	24,800	39.7	175.4	23,900	240
245	38.5	179.6	23,200	37.9	168.0	22,300	245
250	36.8	172.4	21,700	34.2	151.7	19,300	250
260	33.2	156.6	18,800	30.0	132.4	16,300	260
270	29.1	138.0	15,900				270
280	24.3	115.4	13,200				280

MLC300 S-3

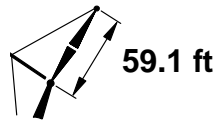
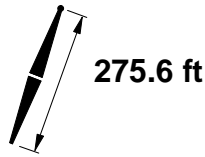
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
50	84.4	319.1	102,900				50
55	83.5	318.4	101,500				55
60	82.6	317.5	100,000	84.2	315.0	88,800	60
65	81.7	316.6	98,700	83.3	314.1	86,900	65
70	80.7	315.6	97,400	82.4	313.0	84,500	70
75	79.8	314.5	96,200	81.4	311.9	82,100	75
80	78.9	313.3	95,000	80.5	310.7	79,900	80
85	77.9	312.0	93,700	79.5	309.5	77,900	85
90	77.0	310.7	92,600	78.6	308.1	75,900	90
95	76.0	309.2	90,500	77.6	306.6	74,100	95
100	75.1	307.7	88,100	76.7	305.1	72,300	100
105	74.1	306.1	85,800	75.7	303.5	70,600	105
110	73.2	304.4	83,700	74.7	301.7	69,100	110
115	72.2	302.5	81,600	73.8	299.9	67,500	115
120	71.2	300.6	79,700	72.8	298.0	66,100	120
125	70.2	298.6	77,700	71.8	295.9	64,700	125
130	69.3	296.5	76,000	70.8	293.8	63,400	130
135	68.3	294.3	74,300	69.8	291.6	62,100	135
140	67.3	292.0	72,700	68.8	289.2	60,900	140
145	66.3	289.6	71,200	67.8	286.8	59,800	145
150	65.2	287.0	67,500	66.7	284.2	58,700	150
155	64.2	284.4	63,700	65.7	281.6	57,600	155
160	63.2	281.6	60,200	64.7	278.8	56,700	160
165	62.1	278.7	56,800	63.6	275.8	55,600	165
170	61.1	275.7	53,700	62.5	272.8	54,800	170
175	60.0	272.6	50,800	61.4	269.6	52,400	175
180	58.9	269.3	48,000	60.3	266.3	49,600	180
185	57.8	265.9	45,400	59.2	262.9	46,800	185
190	56.7	262.4	42,900	58.1	259.3	44,300	190
195	55.6	258.7	40,500	56.9	255.5	41,800	195
200	54.4	254.8	38,200	55.8	251.6	39,500	200
205	53.2	250.8	36,100	54.6	247.6	37,300	205
210	52.1	246.6	34,000	53.4	243.3	35,200	210
215	50.9	242.2	32,100	52.2	238.9	33,200	215
220	49.6	237.7	30,200	50.9	234.2	31,200	220
225	48.4	232.9	28,400	49.7	229.4	29,400	225
230	47.1	227.9	26,700	48.4	224.3	27,600	230
235	45.8	222.7	25,000	47.0	219.0	25,900	235
240	44.4	217.2	23,400	45.6	213.5	24,200	240
245	43.0	211.5	21,800	44.2	207.6	22,700	245
250	41.6	205.5	20,400	42.8	201.5	21,100	250
260	38.6	192.4	17,500	39.7	188.2	18,200	260
270	35.4	177.8	14,800	36.4	173.2	15,400	270
280	31.9	161.2	12,300	32.8	156.1	12,700	280
290	27.9	141.8	9,900	28.7	135.9	10,200	290
300	23.3	118.2	7,500				300

MLC300 S-3

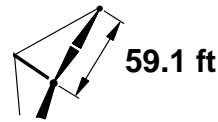
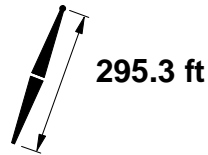
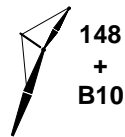
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
50	84.7	339.0	101,400				50
55	83.9	338.3	100,100				55
60	83.0	337.5	99,000	84.6	334.9	88,000	60
65	82.2	336.6	97,700	83.7	334.0	87,200	65
70	81.3	335.7	96,600	82.8	333.1	85,500	70
75	80.4	334.6	95,400	81.9	332.1	83,300	75
80	79.5	333.5	94,300	81.1	330.9	81,200	80
85	78.7	332.3	93,200	80.2	329.7	79,200	85
90	77.8	331.1	92,100	79.3	328.5	77,400	90
95	76.9	329.7	91,100	78.4	327.1	75,600	95
100	76.0	328.3	90,100	77.5	325.6	73,800	100
105	75.1	326.7	89,100	76.6	324.1	72,200	105
110	74.2	325.1	88,100	75.7	322.5	70,600	110
115	73.3	323.4	86,200	74.8	320.8	69,200	115
120	72.4	321.7	84,400	73.9	319.0	67,700	120
125	71.5	319.8	82,700	72.9	317.1	66,400	125
130	70.6	317.8	81,000	72.0	315.1	65,100	130
135	69.6	315.8	77,300	71.1	313.0	63,800	135
140	68.7	313.6	72,700	70.1	310.9	62,600	140
145	67.8	311.4	68,400	69.2	308.6	61,500	145
150	66.8	309.0	64,300	68.2	306.2	60,500	150
155	65.9	306.5	60,600	67.3	303.7	59,400	155
160	64.9	304.0	57,100	66.3	301.2	58,400	160
165	63.9	301.3	53,800	65.3	298.5	55,700	165
170	63.0	298.6	50,700	64.3	295.7	52,500	170
175	62.0	295.7	47,700	63.3	292.7	49,500	175
180	61.0	292.7	45,000	62.3	289.7	46,700	180
185	60.0	289.5	42,300	61.3	286.5	44,000	185
190	58.9	286.3	39,900	60.3	283.3	41,400	190
195	57.9	282.9	37,500	59.2	279.8	39,000	195
200	56.9	279.4	35,300	58.2	276.3	36,700	200
205	55.8	275.7	33,100	57.1	272.6	34,500	205
210	54.7	271.9	31,100	56.0	268.8	32,400	210
215	53.6	268.0	29,100	54.9	264.8	30,400	215
220	52.5	263.9	27,300	53.8	260.6	28,500	220
225	51.4	259.6	25,500	52.7	256.3	26,700	225
230	50.3	255.2	23,800	51.5	251.8	24,900	230
235	49.1	250.5	22,200	50.3	247.1	23,200	235
240	47.9	245.7	20,600	49.1	242.2	21,600	240
245	46.7	240.7	19,100	47.9	237.1	20,000	245
250	45.5	235.4	17,600	46.6	231.7	18,500	250
260	42.9	224.2	14,800	44.0	220.3	15,600	260
270	40.2	211.9	12,200	41.2	207.7	12,900	270
280	37.3	198.2	9,800	38.3	193.8	10,400	280
290	34.1	183.0	7,500	35.1	178.1	8,000	290

MLC300 S-3

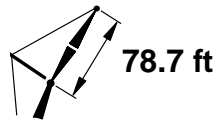
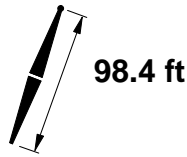
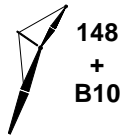
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
55	84.2	358.1	94,100	84.9	354.8	79,500	55
60	83.4	357.4	90,300	84.1	354.0	76,700	60
65	82.6	356.6	86,700	83.2	353.1	74,100	65
70	81.8	355.7	83,400	82.4	352.1	71,700	70
75	80.9	354.7	80,300	81.6	351.1	69,300	75
80	80.1	353.7	77,400	80.7	349.9	67,100	80
85	79.3	352.5	74,600	79.9	348.7	65,000	85
90	78.5	351.4	72,000	79.1	347.4	63,000	90
95	77.6	350.1	69,600	78.2	346.1	61,100	95
100	76.8	348.7	67,300	77.4	344.6	59,300	100
105	76.0	347.3	65,100	76.5	343.1	57,600	105
110	75.1	345.8	63,000	75.7	341.5	56,000	110
115	74.3	344.2	61,100	74.8	339.8	54,500	115
120	73.4	342.5	59,200	73.9	338.1	53,000	120
125	72.6	340.8	57,500	73.1	336.2	51,600	125
130	71.7	338.9	55,800	72.2	334.3	50,200	130
135	70.8	337.0	54,300	71.3	332.2	49,000	135
140	70.0	335.0	52,700	70.4	330.1	47,700	140
145	69.1	332.9	51,300	69.5	327.9	46,500	145
150	68.2	330.7	49,900	68.7	325.6	45,400	150
155	67.3	328.4	48,600	67.7	323.2	44,600	155
160	66.4	326.0	47,300	66.8	320.7	43,300	160
165	65.5	323.5	46,100	65.9	318.1	42,300	165
170	64.6	321.0	44,900	65.0	315.4	41,300	170
175	63.7	318.3	43,800	64.1	312.6	40,400	175
180	62.8	315.5	42,800	63.1	309.6	39,500	180
185	61.8	312.6	41,800	62.2	306.6	38,600	185
190	60.9	309.6	39,400	61.2	303.5	37,800	190
195	59.9	306.5	37,100	60.2	300.2	36,400	195
200	59.0	303.2	34,800	59.3	296.8	34,200	200
205	58.0	299.9	32,700	58.3	293.3	32,100	205
210	57.0	296.4	30,600	57.2	289.6	30,000	210
215	56.0	292.8	28,700	56.2	285.9	28,100	215
220	55.0	289.1	26,800	55.2	281.9	26,300	220
225	54.0	285.2	25,100	54.1	277.8	24,500	225
230	52.9	281.1	23,300	53.1	273.6	22,800	230
235	51.9	277.0	21,700	52.0	269.2	21,200	235
240	50.8	272.6	20,100	50.9	264.6	19,700	240
245	49.7	268.1	18,600	49.8	259.9	18,200	245
250	48.6	263.4	17,200	47.5	249.8	15,300	250
260	46.3	253.5	14,400	45.0	238.8	12,600	260
270	44.0	242.7	11,800	42.5	226.9	10,100	270
280	41.5	230.9	9,400	39.8	213.7	7,800	280
290	38.8	218.0	7,200				290

MLC300 S-3

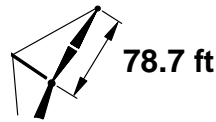
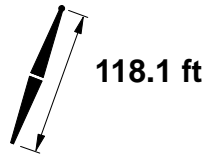
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
40	84.4	181.4	85,600				40
45	82.7	180.3	82,900				45
50	81.1	179.1	80,300				50
55	79.4	177.7	77,900	83.4	175.4	66,600	55
60	77.7	176.1	75,500	81.7	173.9	62,900	60
65	76.0	174.4	73,300	80.0	172.1	59,600	65
70	74.3	172.5	71,300	78.2	170.2	56,600	70
75	72.6	170.5	69,300	76.4	168.2	53,900	75
80	70.8	168.3	66,600	74.7	165.9	51,500	80
85	69.0	165.8	63,200	72.8	163.4	49,200	85
90	67.2	163.2	60,100	71.0	160.8	47,100	90
95	65.3	160.4	57,200	69.1	157.9	45,300	95
100	63.4	157.3	54,700	67.2	154.8	43,500	100
105	61.5	154.1	52,300	65.2	151.5	41,900	105
110	59.5	150.5	50,100	63.2	147.9	40,400	110
115	57.5	146.7	48,100	61.2	144.0	39,000	115
120	55.4	142.6	46,300	59.0	139.8	37,700	120
125	53.3	138.2	44,500	56.8	135.3	36,500	125
130	51.1	133.5	43,000	54.5	130.4	35,400	130
135	48.7	128.3	41,400	52.2	125.2	34,400	135
140	46.3	122.7	40,100	49.7	119.4	33,400	140
145	43.8	116.6	38,800	47.1	113.1	32,500	145
150	41.1	109.9	37,600	44.3	106.1	31,700	150
155	38.2	102.4	36,500	41.3	98.4	30,900	155
160	35.0	94.1	35,400	38.0	89.6	30,300	160
165	31.5	84.5	34,500	34.3	79.4	29,600	165
170	27.6	73.1	33,600	29.9	67.1	29,100	170
175	22.7	58.9	32,800				175

MLC300 S-3

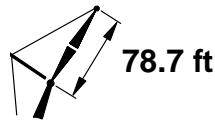
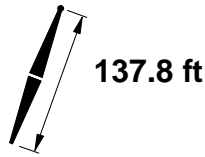
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
40	85.0	201.3	86,000				40
45	83.5	200.4	83,600				45
50	82.0	199.3	81,300				50
55	80.5	198.0	79,100	84.1	195.6	68,100	55
60	79.0	196.6	76,900	82.6	194.2	64,600	60
65	77.5	195.1	74,900	81.0	192.7	61,500	65
70	75.9	193.4	73,000	79.5	191.0	58,600	70
75	74.4	191.6	71,100	77.9	189.1	56,000	75
80	72.8	189.6	69,400	76.3	187.1	53,600	80
85	71.3	187.5	67,400	74.7	185.0	51,400	85
90	69.7	185.2	64,300	73.1	182.6	49,400	90
95	68.0	182.7	61,400	71.5	180.1	47,600	95
100	66.4	180.1	58,700	69.8	177.4	45,900	100
105	64.7	177.2	56,300	68.1	174.5	44,300	105
110	63.0	174.2	54,100	66.4	171.5	42,800	110
115	61.3	170.9	52,000	64.6	168.1	41,300	115
120	59.5	167.5	50,100	62.8	164.6	40,100	120
125	57.7	163.8	48,300	61.0	160.8	38,800	125
130	55.9	159.8	46,600	59.1	156.8	37,700	130
135	54.0	155.6	45,100	57.1	152.5	36,700	135
140	52.0	151.0	43,600	55.1	147.8	35,700	140
145	50.0	146.2	42,300	53.1	142.9	34,700	145
150	47.9	141.0	41,000	50.9	137.5	33,800	150
155	45.7	135.3	39,700	48.7	131.7	33,000	155
160	43.4	129.2	38,600	46.3	125.5	32,300	160
165	41.0	122.6	37,500	43.8	118.6	31,600	165
170	38.4	115.3	36,600	41.1	111.1	30,900	170
175	35.7	107.3	35,600	38.3	102.7	30,300	175
180	32.7	98.3	34,800	35.1	93.1	29,800	180
185	29.4	88.0	34,000	31.6	82.1	29,300	185
190	25.5	75.7	33,300				190
195	20.8	60.3	32,700				195

MLC300 S-3

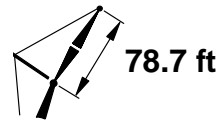
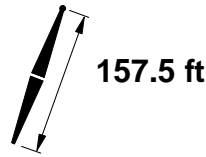
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
45	84.1	220.3	84,000				45
50	82.7	219.3	81,900				50
55	81.4	218.2	79,900	84.6	215.7	69,300	55
60	80.0	217.0	77,900	83.3	214.4	66,000	60
65	78.7	215.6	76,100	81.9	213.0	63,100	65
70	77.3	214.1	74,400	80.5	211.5	60,400	70
75	75.9	212.5	72,700	79.1	209.9	57,800	75
80	74.5	210.7	71,000	77.7	208.1	55,500	80
85	73.1	208.8	69,500	76.2	206.1	53,400	85
90	71.6	206.7	68,000	74.8	204.0	51,400	90
95	70.2	204.5	65,100	73.3	201.8	49,600	95
100	68.7	202.2	62,500	71.8	199.4	48,000	100
105	67.3	199.6	60,000	70.3	196.9	46,400	105
110	65.8	197.0	57,700	68.8	194.1	44,900	110
115	64.2	194.1	55,600	67.3	191.2	43,500	115
120	62.7	191.1	53,600	65.7	188.2	42,200	120
125	61.1	187.9	51,700	64.1	184.9	41,000	125
130	59.5	184.4	50,000	62.5	181.4	39,800	130
135	57.9	180.8	48,400	60.8	177.7	38,700	135
140	56.2	176.9	46,900	59.1	173.8	37,700	140
145	54.5	172.8	45,500	57.4	169.6	36,800	145
150	52.8	168.5	44,200	55.6	165.2	35,800	150
155	51.0	163.8	42,900	53.7	160.4	35,000	155
160	49.1	158.9	41,600	51.8	155.4	34,200	160
165	47.2	153.6	40,600	49.9	149.9	33,500	165
170	45.2	148.0	39,500	47.8	144.1	32,700	170
175	43.1	141.9	38,400	45.7	137.9	32,100	175
180	40.9	135.3	37,500	43.4	131.1	31,400	180
185	38.6	128.2	36,600	41.1	123.7	30,900	185
190	36.2	120.4	35,800	38.5	115.6	30,300	190
195	33.6	111.8	35,000	35.8	106.6	29,800	195
200	30.7	102.2	34,300	32.7	96.4	29,400	200
205	27.5	91.1	33,600	29.3	84.6	29,100	205
210	23.8	78.1	33,000				210
215	19.2	61.5	32,500				215

MLC300 S-3

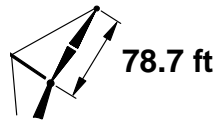
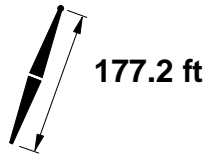
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
45	84.6	240.3	84,100				45
50	83.4	239.4	82,200				50
55	82.1	238.3	80,400				55
60	80.9	237.2	78,600	83.9	234.6	67,200	60
65	79.6	236.0	77,000	82.6	233.3	64,400	65
70	78.4	234.6	75,300	81.3	231.9	61,800	70
75	77.1	233.1	73,800	80.0	230.4	59,400	75
80	75.8	231.5	72,200	78.8	228.8	57,200	80
85	74.6	229.8	70,800	77.5	227.0	55,100	85
90	73.3	227.9	69,400	76.1	225.1	53,200	90
95	72.0	225.9	68,100	74.8	223.1	51,500	95
100	70.6	223.8	65,900	73.5	221.0	49,800	100
105	69.3	221.5	63,400	72.1	218.7	48,200	105
110	68.0	219.1	61,100	70.8	216.2	46,700	110
115	66.6	216.6	58,900	69.4	213.6	45,400	115
120	65.2	213.9	56,900	68.0	210.9	44,100	120
125	63.8	211.0	55,000	66.6	208.0	42,800	125
130	62.4	208.0	53,200	65.2	204.9	41,800	130
135	61.0	204.8	51,500	63.7	201.7	40,600	135
140	59.5	201.4	50,000	62.2	198.2	39,600	140
145	58.0	197.8	48,500	60.7	194.6	38,700	145
150	56.5	194.0	47,100	59.1	190.8	37,700	150
155	55.0	190.0	45,800	57.6	186.7	36,900	155
160	53.4	185.8	44,500	56.0	182.4	36,000	160
165	51.8	181.4	43,400	54.3	177.8	35,200	165
170	50.1	176.6	42,200	52.6	173.0	34,500	170
175	48.4	171.6	41,200	50.8	167.9	33,800	175
180	46.6	166.3	40,200	49.0	162.4	33,100	180
185	44.8	160.6	39,300	47.2	156.6	32,500	185
190	42.9	154.5	38,400	45.2	150.4	32,000	190
195	40.9	148.0	37,500	43.1	143.7	31,400	195
200	38.8	141.0	36,700	41.0	136.4	30,900	200
205	36.6	133.5	35,900	38.7	128.5	30,400	205
210	34.2	125.2	35,200	36.3	119.9	30,000	210
215	31.7	116.0	34,600	33.6	110.3	29,500	215
220	29.0	105.8	33,900	30.7	99.4	29,200	220
225	25.9	94.1	33,300				225
230	22.3	80.1	32,800				230

MLC300 S-3

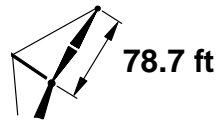
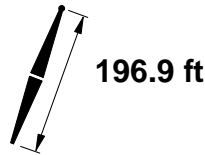
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
45	85.0	260.2	84,000				45
50	83.9	259.3	82,300				50
55	82.7	258.4	80,700				55
60	81.6	257.3	79,100	84.3	254.6	68,200	60
65	80.4	256.2	77,500	83.2	253.4	65,500	65
70	79.3	254.9	76,000	82.0	252.2	63,000	70
75	78.1	253.6	74,600	80.8	250.8	60,800	75
80	77.0	252.1	73,200	79.7	249.3	58,600	80
85	75.8	250.5	71,800	78.5	247.7	56,600	85
90	74.6	248.8	70,600	77.3	246.0	54,800	90
95	73.4	247.0	69,300	76.1	244.1	53,000	95
100	72.2	245.1	68,100	74.9	242.2	51,400	100
105	71.0	243.0	66,500	73.6	240.1	49,900	105
110	69.8	240.8	64,200	72.4	237.9	48,400	110
115	68.6	238.5	62,000	71.2	235.5	47,100	115
120	67.3	236.1	59,900	69.9	233.1	45,800	120
125	66.1	233.5	58,000	68.6	230.4	44,600	125
130	64.8	230.8	56,200	67.3	227.7	43,400	130
135	63.5	227.9	54,500	66.0	224.8	42,400	135
140	62.2	224.9	52,900	64.7	221.7	41,300	140
145	60.9	221.7	51,300	63.3	218.5	40,400	145
150	59.5	218.3	50,000	62.0	215.1	39,400	150
155	58.1	214.8	48,600	60.6	211.5	38,600	155
160	56.8	211.1	47,300	59.2	207.7	37,700	160
165	55.3	207.2	46,000	57.7	203.8	36,900	165
170	53.9	203.1	44,900	56.3	199.6	36,200	170
175	52.4	198.8	43,900	54.8	195.2	35,500	175
180	50.9	194.2	42,800	53.2	190.5	34,800	180
185	49.3	189.4	41,800	51.6	185.6	34,100	185
190	47.8	184.4	40,900	50.0	180.4	33,500	190
195	46.1	179.0	39,900	48.3	175.0	32,900	195
200	44.4	173.3	39,100	46.6	169.1	32,400	200
205	42.7	167.2	38,300	44.8	162.9	31,800	205
210	40.8	160.8	37,500	42.9	156.3	31,300	210
215	38.9	153.9	36,800	40.9	149.1	30,900	215
220	36.9	146.4	36,000	38.9	141.4	30,400	220
225	34.8	138.4	35,400	36.7	133.1	30,000	225
230	32.5	129.6	34,700	34.3	123.9	29,700	230
235	30.1	120.0	34,200	31.7	113.7	29,300	235
240	27.4	109.1	32,500	28.9	102.2	29,100	240
245	24.5	96.7	30,700				245
250	21.0	82.0	28,800				250

MLC300 S-3

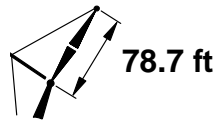
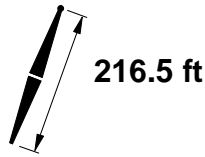
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
50	84.3	279.3	82,100				50
55	83.3	278.4	80,600				55
60	82.2	277.4	79,200	84.8	274.6	69,000	60
65	81.1	276.4	77,700	83.7	273.5	66,400	65
70	80.1	275.2	76,400	82.6	272.3	64,100	70
75	79.0	273.9	75,100	81.5	271.1	61,900	75
80	77.9	272.6	73,800	80.4	269.7	59,900	80
85	76.8	271.1	72,500	79.3	268.2	58,000	85
90	75.8	269.5	71,300	78.2	266.6	56,200	90
95	74.7	267.9	70,200	77.1	264.9	54,500	95
100	73.6	266.1	69,000	76.0	263.1	52,900	100
105	72.4	264.2	67,900	74.9	261.2	51,400	105
110	71.3	262.2	66,900	73.8	259.2	49,900	110
115	70.2	260.1	64,900	72.6	257.1	48,700	115
120	69.1	257.8	62,800	71.5	254.8	47,400	120
125	67.9	255.5	60,800	70.3	252.4	46,200	125
130	66.8	253.0	59,000	69.1	249.9	45,000	130
135	65.6	250.4	57,300	67.9	247.3	44,000	135
140	64.4	247.7	55,600	66.7	244.5	42,900	140
145	63.2	244.8	54,100	65.5	241.6	42,000	145
150	62.0	241.8	52,600	64.3	238.5	41,000	150
155	60.8	238.6	51,200	63.1	235.3	40,200	155
160	59.5	235.3	49,900	61.8	231.9	39,300	160
165	58.2	231.8	48,700	60.5	228.4	38,500	165
170	57.0	228.2	47,500	59.2	224.7	37,700	170
175	55.7	224.3	46,300	57.9	220.8	37,000	175
180	54.3	220.3	45,200	56.5	216.7	36,300	180
185	53.0	216.1	44,200	55.1	212.5	35,600	185
190	51.6	211.7	43,200	53.7	208.0	35,000	190
195	50.2	207.1	42,300	52.3	203.2	34,400	195
200	48.7	202.2	41,400	50.8	198.3	33,800	200
205	47.2	197.1	40,600	49.3	193.0	33,300	205
210	45.7	191.7	39,700	47.7	187.5	32,700	210
215	44.1	186.0	38,900	46.1	181.7	32,300	215
220	42.5	179.9	37,700	44.4	175.5	31,800	220
225	40.8	173.5	35,800	42.7	168.9	31,300	225
230	39.0	166.7	34,000	40.9	161.8	30,800	230
235	37.2	159.4	32,200	39.0	154.3	30,500	235
240	35.3	151.5	30,500	37.0	146.2	30,100	240
245	33.2	143.1	28,900	34.9	137.4	29,600	245
250	31.0	133.8	27,200	32.6	127.7	27,900	250
260	26.1	112.3	24,100				260
270	19.8	83.6	20,900				270

MLC300 S-3

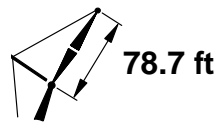
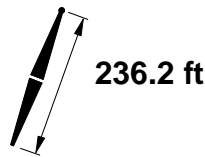
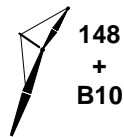
ASME B30.5



ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
50	84.7	299.2	81,700				50
55	83.7	298.3	80,400				55
60	82.7	297.4	79,100				60
65	81.7	296.5	77,700	84.1	293.5	67,200	65
70	80.7	295.4	76,500	83.1	292.5	65,000	70
75	79.8	294.2	75,300	82.1	291.3	62,900	75
80	78.8	292.9	74,100	81.1	290.0	61,000	80
85	77.7	291.6	73,000	80.1	288.6	59,100	85
90	76.7	290.1	71,900	79.1	287.1	57,400	90
95	75.7	288.6	70,800	78.0	285.6	55,700	95
100	74.7	286.9	69,800	77.0	283.9	54,200	100
105	73.7	285.2	68,700	76.0	282.1	52,700	105
110	72.6	283.3	67,700	74.9	280.3	51,400	110
115	71.6	281.4	66,800	73.9	278.3	50,000	115
120	70.6	279.3	65,400	72.8	276.2	48,800	120
125	69.5	277.1	63,500	71.7	274.0	47,600	125
130	68.4	274.9	61,600	70.7	271.7	46,500	130
135	67.4	272.5	59,900	69.6	269.3	45,400	135
140	66.3	270.0	58,200	68.5	266.8	44,500	140
145	65.2	267.3	56,600	67.4	264.1	43,400	145
150	64.1	264.6	55,200	66.2	261.3	42,500	150
155	62.9	261.7	53,800	65.1	258.4	41,700	155
160	61.8	258.7	52,500	64.0	255.3	40,800	160
165	60.7	255.5	51,200	62.8	252.1	40,000	165
170	59.5	252.2	49,900	61.6	248.8	39,200	170
175	58.3	248.8	48,800	60.4	245.3	38,500	175
180	57.1	245.2	47,700	59.2	241.7	37,800	180
185	55.9	241.5	46,600	58.0	237.9	37,100	185
190	54.7	237.5	45,600	56.7	233.9	36,400	190
195	53.4	233.4	44,600	55.5	229.7	35,800	195
200	52.2	229.1	43,700	54.2	225.3	35,200	200
205	50.9	224.6	42,300	52.8	220.7	34,600	205
210	49.5	219.9	40,200	51.5	216.0	34,100	210
215	48.2	215.0	38,200	50.1	210.9	33,600	215
220	46.8	209.8	36,300	48.7	205.6	33,100	220
225	45.3	204.4	34,400	47.2	200.1	32,600	225
230	43.9	198.7	32,700	45.7	194.2	32,100	230
235	42.3	192.6	31,000	44.1	188.0	31,700	235
240	40.8	186.2	29,300	42.5	181.5	30,300	240
245	39.1	179.5	27,700	40.8	174.6	28,600	245
250	37.4	172.3	26,200	39.1	167.1	27,000	250
260	33.8	156.4	23,200	35.3	150.7	23,900	260
270	29.7	137.8	20,400	31.0	131.2	20,900	270
280	24.9	115.2	17,600				280
290	18.8	85.1	14,800				290

MLC300 S-3

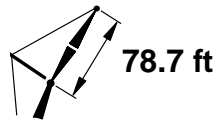
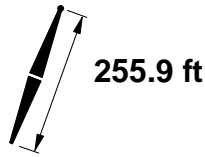
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
55	84.1	318.3	79,800				55
60	83.2	317.4	78,600				60
65	82.3	316.5	77,500	84.5	313.5	67,900	65
70	81.3	315.5	76,300	83.6	312.5	65,800	70
75	80.4	314.4	75,200	82.6	311.4	63,800	75
80	79.5	313.2	74,100	81.7	310.2	61,900	80
85	78.5	311.9	73,100	80.7	308.9	60,200	85
90	77.6	310.6	72,100	79.8	307.6	58,500	90
95	76.6	309.1	71,100	78.8	306.1	56,900	95
100	75.7	307.6	70,100	77.9	304.5	55,400	100
105	74.7	306.0	69,200	76.9	302.9	54,000	105
110	73.8	304.3	68,200	75.9	301.2	52,600	110
115	72.8	302.4	67,300	74.9	299.3	51,400	115
120	71.8	300.5	66,500	74.0	297.4	50,200	120
125	70.9	298.5	65,700	73.0	295.4	49,000	125
130	69.9	296.4	64,100	72.0	293.2	47,900	130
135	68.9	294.2	62,400	71.0	291.0	46,800	135
140	67.9	291.9	60,700	70.0	288.7	45,800	140
145	66.9	289.5	59,200	68.9	286.2	44,800	145
150	65.8	286.9	57,600	67.9	283.6	43,900	150
155	64.8	284.3	56,200	66.9	281.0	43,100	155
160	63.8	281.5	54,800	65.8	278.2	42,200	160
165	62.7	278.6	53,500	64.7	275.2	41,400	165
170	61.7	275.6	52,300	63.7	272.2	40,600	170
175	60.6	272.5	51,100	62.6	269.0	39,900	175
180	59.5	269.2	49,900	61.5	265.7	39,200	180
185	58.4	265.8	48,900	60.4	262.2	38,500	185
190	57.3	262.2	46,400	59.2	258.6	37,800	190
195	56.2	258.5	44,000	58.1	254.9	37,200	195
200	55.0	254.7	41,700	56.9	251.0	36,600	200
205	53.8	250.7	39,600	55.7	246.9	36,000	205
210	52.7	246.5	37,500	54.5	242.6	35,400	210
215	51.5	242.1	35,500	53.3	238.2	34,900	215
220	50.2	237.5	33,600	52.1	233.5	34,300	220
225	49.0	232.8	31,800	50.8	228.7	33,100	225
230	47.7	227.8	30,100	49.5	223.6	31,300	230
235	46.4	222.5	28,400	48.1	218.3	29,600	235
240	45.0	217.1	26,800	46.7	212.7	27,900	240
245	43.6	211.3	25,200	45.3	206.8	26,300	245
250	42.2	205.3	23,700	43.9	200.7	24,700	250
260	39.2	192.3	20,800	40.8	187.3	21,700	260
270	36.0	177.7	18,100	37.5	172.2	18,900	270
280	32.5	161.0	15,600	33.8	155.0	16,200	280
290	28.5	141.6	13,100	29.7	134.6	13,600	290
300	23.8	117.9	10,600				300

MLC300 S-3

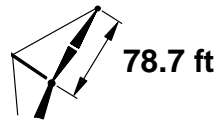
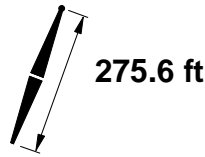
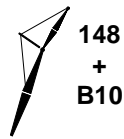
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
55	84.5	338.2	78,600				55
60	83.6	337.4	77,600				60
65	82.7	336.5	76,500	84.8	333.5	68,000	65
70	81.9	335.5	75,500	83.9	332.5	66,100	70
75	81.0	334.5	74,500	83.1	331.5	64,200	75
80	80.1	333.4	73,500	82.2	330.4	62,400	80
85	79.2	332.2	72,600	81.3	329.2	60,800	85
90	78.3	330.9	71,700	80.4	327.9	59,200	90
95	77.5	329.6	70,800	79.5	326.5	57,700	95
100	76.6	328.2	69,900	78.6	325.1	56,300	100
105	75.7	326.6	69,000	77.7	323.5	54,900	105
110	74.8	325.0	68,200	76.8	321.9	53,500	110
115	73.9	323.3	67,400	75.9	320.2	52,300	115
120	73.0	321.5	66,600	75.0	318.4	51,100	120
125	72.0	319.7	65,800	74.0	316.5	50,000	125
130	71.1	317.7	64,800	73.1	314.5	48,900	130
135	70.2	315.6	63,400	72.2	312.4	47,900	135
140	69.3	313.5	61,900	71.2	310.2	46,800	140
145	68.3	311.2	60,600	70.3	308.0	45,900	145
150	67.4	308.9	59,300	69.3	305.6	45,000	150
155	66.4	306.4	58,000	68.4	303.1	44,200	155
160	65.5	303.9	56,700	67.4	300.5	43,300	160
165	64.5	301.2	55,400	66.4	297.8	42,500	165
170	63.5	298.4	54,200	65.4	295.0	41,700	170
175	62.5	295.5	52,600	64.4	292.1	41,000	175
180	61.5	292.5	49,800	63.4	289.0	40,300	180
185	60.5	289.4	47,100	62.4	285.9	39,600	185
190	59.5	286.2	44,600	61.4	282.6	39,000	190
195	58.5	282.8	42,300	60.3	279.2	38,300	195
200	57.4	279.3	40,000	59.3	275.6	37,700	200
205	56.4	275.6	37,800	58.2	271.9	37,100	205
210	55.3	271.8	35,800	57.1	268.0	36,500	210
215	54.2	267.9	33,800	56.0	264.0	35,400	215
220	53.1	263.8	32,000	54.9	259.9	33,500	220
225	52.0	259.5	30,200	53.7	255.5	31,600	225
230	50.8	255.0	28,400	52.5	251.0	29,800	230
235	49.7	250.4	26,800	51.4	246.3	28,100	235
240	48.5	245.6	25,200	50.2	241.4	26,500	240
245	47.3	240.5	23,700	48.9	236.3	24,900	245
250	46.0	235.3	22,200	47.7	230.9	23,300	250
260	43.4	224.0	19,400	45.0	219.4	20,400	260
270	40.7	211.7	16,800	42.2	206.8	17,700	270
280	37.8	198.1	14,300	39.3	192.8	15,100	280
290	34.7	182.8	11,900	36.0	177.1	12,600	290
300	31.3	165.4	9,700	32.5	159.0	10,200	300
310	27.4	145.2	7,500	28.4	137.8	7,900	310

MLC300 S-3

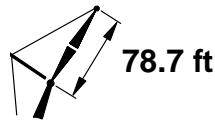
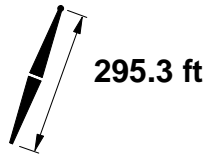
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
55	84.8	358.0	77,600				55
60	84.0	357.3	76,600				60
65	83.1	356.5	75,700				65
70	82.3	355.6	74,700	84.3	352.5	66,700	70
75	81.5	354.6	73,900	83.5	351.5	65,000	75
80	80.7	353.6	72,900	82.6	350.5	63,200	80
85	79.8	352.4	72,200	81.8	349.3	61,600	85
90	79.0	351.2	71,200	81.0	348.1	60,100	90
95	78.2	350.0	70,400	80.1	346.8	58,700	95
100	77.3	348.6	69,700	79.3	345.5	57,200	100
105	76.5	347.2	68,900	78.4	344.0	55,900	105
110	75.6	345.7	68,100	77.6	342.5	54,600	110
115	74.8	344.1	67,300	76.7	340.9	53,400	115
120	73.9	342.4	66,600	75.9	339.2	52,200	120
125	73.1	340.6	65,900	75.0	337.4	51,200	125
130	72.2	338.8	65,300	74.1	335.6	50,100	130
135	71.4	336.9	64,600	73.2	333.6	49,100	135
140	70.5	334.9	63,900	72.4	331.6	48,100	140
145	69.6	332.8	63,300	71.5	329.5	47,100	145
150	68.7	330.6	61,800	70.6	327.2	46,300	150
155	67.8	328.3	60,300	69.7	324.9	45,400	155
160	66.9	325.9	59,000	68.8	322.5	44,500	160
165	66.0	323.4	55,600	67.9	320.0	43,800	165
170	65.1	320.8	52,500	66.9	317.4	43,000	170
175	64.2	318.1	49,600	66.0	314.7	42,300	175
180	63.3	315.4	46,800	65.1	311.9	41,500	180
185	62.4	312.5	44,200	64.1	309.0	40,900	185
190	61.4	309.5	41,700	63.2	305.9	40,200	190
195	60.5	306.3	39,300	62.2	302.8	39,600	195
200	59.5	303.1	37,100	61.2	299.5	39,000	200
205	58.5	299.8	34,900	60.3	296.1	36,800	205
210	57.5	296.3	32,900	59.3	292.6	34,700	210
215	56.5	292.7	30,900	58.3	288.9	32,700	215
220	55.5	288.9	29,100	57.2	285.1	30,800	220
225	54.5	285.0	27,300	56.2	281.2	28,900	225
230	53.5	281.0	25,600	55.1	277.1	27,100	230
235	52.4	276.8	23,900	54.1	272.8	25,400	235
240	51.4	272.5	22,400	53.0	268.4	23,800	240
245	50.3	268.0	20,800	51.9	263.8	22,200	245
250	49.2	263.3	19,400	50.8	259.1	20,700	250
260	46.9	253.3	16,600	48.4	248.9	17,800	260
270	44.5	242.5	14,100	46.0	237.9	15,100	270
280	42.0	230.7	11,600	43.5	225.9	12,600	280
290	39.4	217.8	9,400	40.8	212.7	10,200	290
300	36.5	203.6	7,200	37.9	198.1	7,900	300

MLC300 S-3

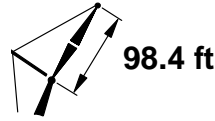
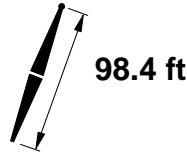
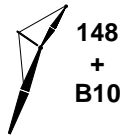
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.3	377.2	71,900				60
65	83.5	376.4	71,100				65
70	82.7	375.5	70,300	84.6	372.4	63,100	70
75	81.9	374.6	69,500	83.8	371.5	62,300	75
80	81.2	373.6	68,500	83.0	370.5	60,300	80
85	80.4	372.6	66,200	82.2	369.4	58,500	85
90	79.6	371.5	63,900	81.4	368.3	56,700	90
95	78.8	370.3	61,700	80.7	367.1	55,000	95
100	78.0	369.0	59,700	79.9	365.8	53,400	100
105	77.2	367.6	57,800	79.1	364.4	51,800	105
110	76.4	366.2	55,900	78.3	363.0	50,300	110
115	75.6	364.7	54,300	77.4	361.5	49,000	115
120	74.8	363.1	52,600	76.6	359.9	47,700	120
125	74.0	361.5	51,000	75.8	358.2	46,400	125
130	73.2	359.7	49,500	75.0	356.5	45,100	130
135	72.4	357.9	48,100	74.2	354.7	43,900	135
140	71.6	356.0	46,700	73.4	352.7	42,800	140
145	70.8	354.1	45,500	72.5	350.7	41,800	145
150	69.9	352.0	44,200	71.7	348.7	40,700	150
155	69.1	349.8	43,000	70.8	346.5	39,700	155
160	68.3	347.6	41,900	70.0	344.2	38,800	160
165	67.4	345.3	40,800	69.1	341.9	37,800	165
170	66.6	342.9	39,800	68.3	339.5	37,000	170
175	65.7	340.4	38,800	67.4	336.9	36,100	175
180	64.8	337.8	37,800	66.5	334.3	35,300	180
185	64.0	335.1	36,900	65.7	331.6	34,500	185
190	63.1	332.3	36,100	64.8	328.8	33,700	190
195	62.2	329.4	35,200	63.9	325.8	33,000	195
200	61.3	326.4	34,300	63.0	322.8	32,300	200
205	60.4	323.3	33,600	62.1	319.7	31,600	205
210	59.5	320.1	32,400	61.1	316.4	31,000	210
215	58.6	316.7	30,400	60.2	313.0	30,400	215
220	57.7	313.3	28,500	59.3	309.5	29,700	220
225	56.7	309.7	26,700	58.3	305.9	28,500	225
230	55.8	306.0	25,000	57.4	302.2	26,700	230
235	54.8	302.2	23,400	56.4	298.3	25,000	235
240	53.8	298.2	21,800	55.4	294.3	23,400	240
245	52.8	294.1	20,300	54.4	290.1	21,800	245
250	51.8	289.8	18,900	53.4	285.8	20,300	250
260	49.8	280.9	16,100	51.3	276.7	17,400	260
270	47.6	271.2	13,500	49.1	266.8	14,700	270
280	45.4	260.8	11,100	46.9	256.2	12,200	280
290	43.1	249.5	8,900	44.5	244.7	9,900	290
300	40.7	237.2	6,800	42.0	232.2	7,600	300

MLC300 S-3

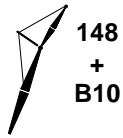
ASME B30.5



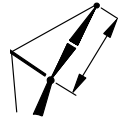
	10°			20°			
	ft	°	ft	lb	ft	lb	
45	83.9	200.6	66,500				45
50	82.4	199.5	64,600				50
55	80.9	198.3	62,600				55
60	79.4	196.9	60,800	84.0	194.6	54,400	60
65	77.9	195.4	59,000	82.4	193.1	52,700	65
70	76.4	193.7	57,000	80.9	191.4	50,400	70
75	74.8	191.9	55,100	79.3	189.6	47,800	75
80	73.3	189.9	53,300	77.8	187.6	45,400	80
85	71.7	187.8	51,600	76.2	185.4	43,300	85
90	70.1	185.5	49,900	74.5	183.1	41,400	90
95	68.5	183.0	48,400	72.9	180.6	39,500	95
100	66.8	180.4	46,900	71.2	177.9	37,900	100
105	65.2	177.5	45,600	69.5	175.0	36,300	105
110	63.5	174.5	44,100	67.8	171.9	34,900	110
115	61.8	171.2	42,200	66.1	168.6	33,600	115
120	60.0	167.8	40,400	64.3	165.1	32,400	120
125	58.2	164.1	38,800	62.4	161.3	31,200	125
130	56.3	160.1	37,300	60.5	157.3	30,100	130
135	54.4	155.9	35,900	58.6	153.0	29,200	135
140	52.5	151.4	34,600	56.6	148.4	28,200	140
145	50.5	146.5	33,400	54.6	143.4	27,400	145
150	48.4	141.3	32,200	52.4	138.1	26,500	150
155	46.2	135.7	31,200	50.2	132.3	25,800	155
160	43.9	129.6	30,100	47.8	126.1	25,100	160
165	41.5	123.0	29,200	45.3	119.3	24,400	165
170	39.0	115.8	28,300	42.7	111.8	23,800	170
175	36.2	107.8	27,500	39.9	103.5	23,100	175
180	33.2	98.8	26,700	36.7	94.0	22,600	180
185	29.9	88.6	25,900	33.2	83.1	22,200	185
190	26.1	76.4	25,300	29.1	70.0	21,700	190
195	21.5	61.3	24,700				195

MLC300 S-3

ASME B30.5



118.1 ft

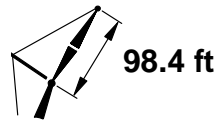
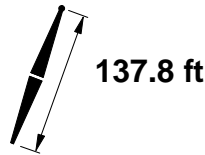


98.4 ft

	10°			20°			
	ft	°	ft	lb	ft	°	
45	84.5	220.6	66,900				45
50	83.1	219.6	65,100				50
55	81.8	218.5	63,400				55
60	80.4	217.2	61,700	84.5	214.8	54,800	60
65	79.0	215.8	60,100	83.2	213.4	53,300	65
70	77.7	214.3	58,500	81.8	211.9	51,900	70
75	76.3	212.7	56,600	80.4	210.2	49,300	75
80	74.9	210.9	54,900	78.9	208.4	47,100	80
85	73.5	209.0	53,300	77.5	206.5	45,100	85
90	72.0	207.0	51,800	76.1	204.4	43,100	90
95	70.6	204.8	50,300	74.6	202.2	41,400	95
100	69.1	202.4	48,900	73.1	199.8	39,700	100
105	67.7	199.9	47,500	71.6	197.2	38,200	105
110	66.2	197.2	46,300	70.1	194.5	36,800	110
115	64.6	194.4	45,000	68.6	191.6	35,500	115
120	63.1	191.4	43,600	67.0	188.5	34,300	120
125	61.5	188.1	41,900	65.4	185.3	33,100	125
130	59.9	184.7	40,300	63.8	181.8	32,100	130
135	58.3	181.1	38,900	62.1	178.1	31,000	135
140	56.6	177.2	37,500	60.4	174.2	30,100	140
145	54.9	173.1	36,300	58.7	170.0	29,200	145
150	53.2	168.8	35,000	56.9	165.6	28,400	150
155	51.4	164.2	33,900	55.1	160.9	27,500	155
160	49.5	159.2	32,800	53.2	155.8	26,800	160
165	47.6	154.0	31,900	51.2	150.4	26,100	165
170	45.6	148.3	30,900	49.2	144.6	25,400	170
175	43.6	142.3	30,000	47.1	138.4	24,800	175
180	41.4	135.7	29,100	44.8	131.7	24,200	180
185	39.1	128.6	28,300	42.4	124.3	23,700	185
190	36.7	120.9	27,600	39.9	116.3	23,200	190
195	34.0	112.3	26,900	37.2	107.3	22,700	195
200	31.2	102.7	26,200	34.2	97.2	22,300	200
205	28.0	91.7	25,600	30.8	85.4	21,900	205
210	24.3	78.8	25,000	26.7	71.2	21,500	210
215	19.8	62.4	24,500				215

MLC300 S-3

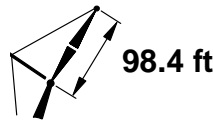
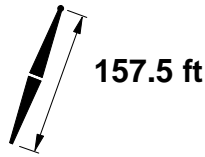
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
45	84.9		240.5	67,000			45
50	83.7		239.6	65,400			50
55	82.5		238.6	63,800			55
60	81.2		237.4	62,300			60
65	80.0		236.2	60,800			65
70	78.7		234.8	59,400	83.8	233.6	70
75	77.5		233.3	58,000	82.5	232.2	75
80	76.2		231.7	56,300	81.2	230.7	80
85	74.9		230.0	54,800	79.9	229.0	85
90	73.6		228.1	53,300	78.6	227.3	90
95	72.3		226.1	51,900	77.3	225.4	95
100	71.0		224.0	50,600	76.0	223.4	100
105	69.7		221.8	49,300	74.7	221.2	105
110	68.3		219.4	48,000	73.3	218.9	110
115	67.0		216.8	46,900	72.0	216.5	115
120	65.6		214.1	45,700	70.6	213.9	120
125	64.2		211.3	44,600	69.2	211.2	125
130	62.8		208.2	43,200	67.8	208.3	130
135	61.4		205.0	41,700	66.3	205.2	135
140	59.9		201.7	40,200	64.9	202.0	140
145	58.4		198.1	38,900	63.4	198.6	145
150	56.9		194.3	37,700	61.9	194.9	150
155	55.4		190.3	36,500	60.4	191.1	155
160	53.8		186.1	35,400	58.8	187.0	160
165	52.1		181.7	34,400	57.2	182.7	165
170	50.5		177.0	33,300	55.5	178.2	170
175	48.8		171.9	32,400	53.8	173.4	175
180	47.0		166.6	31,500	52.1	168.3	180
185	45.2		161.0	30,700	50.3	162.8	185
190	43.3		154.9	29,900	48.4	157.0	190
195	41.3		148.4	29,100	46.4	150.8	195
200	39.2		141.4	28,400	44.4	144.1	200
205	37.0		133.9	27,700	42.2	136.9	205
210	34.7		125.6	27,100	40.0	129.0	210
215	32.2		116.5	26,500	37.5	120.4	215
220	29.4		106.3	25,800	34.9	110.9	220
225	26.4		94.7	25,300	32.0	100.1	225
230	22.8		80.9	24,800	28.7	87.5	230
235	18.4		63.4	24,400			235

MLC300 S-3

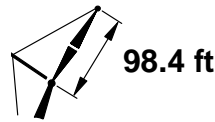
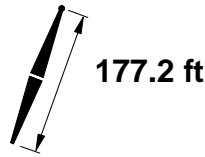
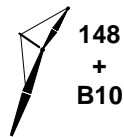
ASME B30.5



ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
50	84.2	259.6	65,500				50
55	83.1	258.6	64,100				55
60	81.9	257.6	62,700				60
65	80.8	256.4	61,400	84.3	253.7	54,100	65
70	79.6	255.2	60,100	83.1	252.4	52,900	70
75	78.5	253.8	58,800	81.9	251.0	51,600	75
80	77.3	252.3	57,400	80.7	249.5	49,700	80
85	76.1	250.7	56,000	79.6	247.9	47,800	85
90	74.9	249.0	54,600	78.4	246.2	46,000	90
95	73.8	247.2	53,200	77.2	244.4	44,400	95
100	72.6	245.3	52,000	75.9	242.4	42,800	100
105	71.3	243.2	50,800	74.7	240.3	41,400	105
110	70.1	241.1	49,600	73.5	238.1	40,000	110
115	68.9	238.7	48,400	72.2	235.8	38,700	115
120	67.7	236.3	47,300	71.0	233.3	37,500	120
125	66.4	233.7	46,300	69.7	230.7	36,400	125
130	65.1	231.0	45,300	68.4	227.9	35,300	130
135	63.8	228.1	44,200	67.1	225.0	34,300	135
140	62.5	225.1	42,800	65.8	222.0	33,300	140
145	61.2	221.9	41,500	64.4	218.7	32,400	145
150	59.9	218.6	40,200	63.1	215.3	31,600	150
155	58.5	215.1	39,000	61.7	211.8	30,700	155
160	57.1	211.4	37,800	60.3	208.0	30,000	160
165	55.7	207.5	36,800	58.8	204.0	29,200	165
170	54.2	203.4	35,700	57.4	199.9	28,500	170
175	52.8	199.1	34,700	55.9	195.5	27,900	175
180	51.3	194.5	33,800	54.3	190.8	27,200	180
185	49.7	189.7	32,900	52.7	185.9	26,600	185
190	48.1	184.7	32,000	51.1	180.8	26,000	190
195	46.5	179.3	31,300	49.4	175.3	25,500	195
200	44.8	173.6	30,500	47.7	169.4	25,000	200
205	43.0	167.6	29,800	45.9	163.2	24,500	205
210	41.2	161.1	29,100	44.0	156.6	24,000	210
215	39.3	154.2	28,400	42.1	149.5	23,600	215
220	37.3	146.8	27,800	40.0	141.8	23,200	220
225	35.2	138.8	27,200	37.8	133.5	22,800	225
230	33.0	130.1	26,600	35.5	124.4	22,400	230
235	30.5	120.5	26,100	32.9	114.2	22,100	235
240	27.9	109.7	25,600	30.1	102.8	21,800	240
245	24.9	97.4	25,100	26.9	89.4	21,600	245
250	21.5	82.7	24,700				250

MLC300 S-3

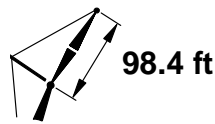
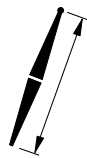
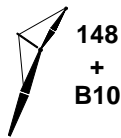
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
50	84.6	279.5	65,500				50
55	83.6	278.6	64,200				55
60	82.5	277.6	62,900				60
65	81.4	276.6	61,700	84.7	273.7	54,300	65
70	80.4	275.4	60,500	83.6	272.5	53,200	70
75	79.3	274.2	59,300	82.5	271.2	52,100	75
80	78.2	272.8	58,100	81.4	269.9	50,800	80
85	77.2	271.3	56,900	80.3	268.4	49,000	85
90	76.1	269.8	55,700	79.2	266.8	47,300	90
95	75.0	268.1	54,400	78.1	265.1	45,600	95
100	73.9	266.3	53,200	77.0	263.3	44,100	100
105	72.8	264.4	52,000	75.9	261.4	42,700	105
110	71.6	262.4	50,800	74.8	259.4	41,400	110
115	70.5	260.3	49,800	73.6	257.2	40,100	115
120	69.4	258.1	48,700	72.5	255.0	38,900	120
125	68.2	255.7	47,700	71.3	252.6	37,800	125
130	67.1	253.2	46,700	70.1	250.1	36,700	130
135	65.9	250.6	45,700	69.0	247.5	35,700	135
140	64.7	247.9	44,800	67.8	244.7	34,800	140
145	63.5	245.0	43,900	66.5	241.8	33,900	145
150	62.3	242.0	42,600	65.3	238.7	33,000	150
155	61.1	238.9	41,300	64.1	235.5	32,200	155
160	59.8	235.5	40,100	62.8	232.1	31,400	160
165	58.6	232.1	39,000	61.5	228.6	30,600	165
170	57.3	228.4	37,900	60.2	224.9	29,900	170
175	56.0	224.6	36,900	58.9	221.0	29,200	175
180	54.7	220.6	36,000	57.5	217.0	28,600	180
185	53.3	216.4	35,000	56.2	212.7	28,000	185
190	51.9	212.0	34,200	54.7	208.2	27,400	190
195	50.5	207.4	33,300	53.3	203.5	26,800	195
200	49.1	202.5	32,500	51.8	198.5	26,300	200
205	47.6	197.4	31,800	50.3	193.3	25,800	205
210	46.0	192.0	31,100	48.7	187.8	25,300	210
215	44.5	186.3	30,300	47.1	181.9	24,900	215
220	42.8	180.3	29,700	45.5	175.7	24,400	220
225	41.2	173.9	29,100	43.7	169.2	24,000	225
230	39.4	167.0	28,500	41.9	162.1	23,600	230
235	37.6	159.8	27,900	40.0	154.6	23,200	235
240	35.6	151.9	27,300	38.0	146.5	22,800	240
245	33.6	143.5	26,800	35.9	137.7	22,500	245
250	31.4	134.3	26,300	33.6	128.1	22,200	250
260	26.5	112.8	25,400	28.4	105.2	21,700	260
270	20.2	84.4	24,600				270

MLC300 S-3

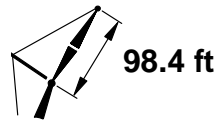
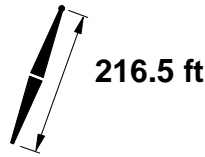
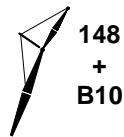
ASME B30.5



ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
50	85.0	299.4	65,200				50
55	84.0	298.6	64,000				55
60	83.0	297.7	62,900				60
65	82.0	296.7	61,800				65
70	81.0	295.6	60,700				70
75	80.0	294.4	59,700	84.0	292.6	53,300	75
80	79.0	293.1	58,600	82.0	290.1	51,300	80
85	78.0	291.8	57,500	81.0	288.8	50,000	85
90	77.0	290.3	56,400	80.0	287.3	48,300	90
95	76.0	288.8	55,300	79.0	285.7	46,700	95
100	75.0	287.1	54,100	77.9	284.1	45,300	100
105	74.0	285.4	53,000	76.9	282.3	43,900	105
110	72.9	283.5	51,900	75.9	280.4	42,500	110
115	71.9	281.6	50,900	74.8	278.4	41,300	115
120	70.8	279.5	49,900	73.7	276.4	40,200	120
125	69.8	277.4	48,900	72.7	274.2	39,100	125
130	68.7	275.1	47,900	71.6	271.9	38,000	130
135	67.6	272.7	47,100	70.5	269.4	37,000	135
140	66.6	270.2	46,100	69.4	266.9	36,000	140
145	65.5	267.6	45,300	68.3	264.2	35,200	145
150	64.4	264.8	44,400	67.2	261.5	34,300	150
155	63.2	261.9	43,500	66.0	258.5	33,500	155
160	62.1	258.9	42,300	64.9	255.5	32,700	160
165	61.0	255.8	41,200	63.7	252.3	32,000	165
170	59.8	252.5	40,100	62.6	249.0	31,200	170
175	58.6	249.1	39,000	61.4	245.5	30,600	175
180	57.4	245.5	38,100	60.2	241.8	29,900	180
185	56.2	241.7	37,100	58.9	238.0	29,300	185
190	55.0	237.8	36,200	57.7	234.0	28,700	190
195	53.7	233.7	35,300	56.4	229.9	28,100	195
200	52.5	229.4	34,500	55.1	225.5	27,600	200
205	51.2	224.9	33,700	53.8	220.9	27,000	205
210	49.8	220.2	33,000	52.4	216.1	26,500	210
215	48.5	215.3	32,200	51.0	211.1	26,000	215
220	47.1	210.1	31,600	49.6	205.8	25,600	220
225	45.7	204.7	30,900	48.2	200.3	25,200	225
230	44.2	199.0	30,200	46.6	194.4	24,700	230
235	42.7	192.9	29,700	45.1	188.3	24,300	235
240	41.1	186.6	29,100	43.5	181.7	24,000	240
245	39.5	179.8	28,500	41.8	174.8	23,500	245
250	37.8	172.7	28,000	40.1	167.4	23,200	250
260	34.1	156.8	26,100	36.3	150.9	22,600	260
270	30.1	138.3	23,300	32.0	131.6	22,000	270
280	25.3	115.7	20,500	26.9	107.5	21,100	280
290	19.2	85.9	17,700				290

MLC300 S-3

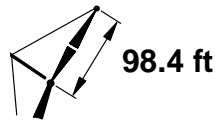
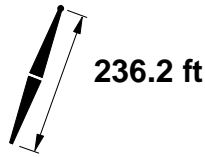
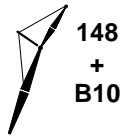
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
55	84.4	318.5	63,700				55
60	83.5	317.6	62,800				60
65	82.5	316.7	61,700				65
70	81.6	315.7	60,700	84.4	312.6	53,400	70
75	80.7	314.6	59,700	83.5	311.5	52,400	75
80	79.7	313.4	58,800	82.5	310.3	51,500	80
85	78.8	312.1	57,900	81.6	309.0	50,700	85
90	77.9	310.8	56,800	80.6	307.7	49,200	90
95	76.9	309.3	55,900	79.7	306.2	47,700	95
100	76.0	307.8	54,900	78.7	304.6	46,300	100
105	75.0	306.2	53,800	77.8	303.0	44,900	105
110	74.0	304.5	52,800	76.8	301.3	43,700	110
115	73.1	302.7	51,800	75.8	299.4	42,400	115
120	72.1	300.7	50,800	74.8	297.5	41,300	120
125	71.1	298.7	49,900	73.8	295.5	40,200	125
130	70.1	296.6	49,000	72.8	293.3	39,200	130
135	69.2	294.4	48,100	71.8	291.1	38,200	135
140	68.2	292.1	47,300	70.8	288.8	37,200	140
145	67.1	289.7	46,400	69.8	286.3	36,400	145
150	66.1	287.1	45,600	68.8	283.7	35,500	150
155	65.1	284.5	44,900	67.7	281.1	34,700	155
160	64.1	281.7	44,100	66.7	278.3	33,900	160
165	63.0	278.8	43,300	65.6	275.3	33,200	165
170	61.9	275.8	42,100	64.5	272.3	32,400	170
175	60.9	272.7	41,100	63.5	269.1	31,800	175
180	59.8	269.4	40,100	62.4	265.8	31,100	180
185	58.7	266.0	39,100	61.2	262.4	30,500	185
190	57.6	262.5	38,200	60.1	258.8	29,900	190
195	56.4	258.8	37,300	59.0	255.0	29,300	195
200	55.3	254.9	36,400	57.8	251.1	28,700	200
205	54.1	250.9	35,600	56.6	247.0	28,200	205
210	52.9	246.7	34,900	55.4	242.7	27,700	210
215	51.7	242.4	34,100	54.2	238.3	27,200	215
220	50.5	237.8	33,400	52.9	233.7	26,700	220
225	49.3	233.0	32,700	51.7	228.8	26,200	225
230	48.0	228.0	32,000	50.3	223.7	25,800	230
235	46.7	222.8	31,400	49.0	218.4	25,400	235
240	45.3	217.4	30,800	47.6	212.8	25,000	240
245	43.9	211.7	29,200	46.2	207.0	24,600	245
250	42.5	205.6	27,700	44.8	200.8	24,300	250
260	39.5	192.6	24,900	41.7	187.4	23,600	260
270	36.3	178.0	22,200	38.4	172.4	23,000	270
280	32.8	161.4	19,600	34.7	155.2	20,400	280
290	28.8	142.0	17,100	30.6	134.8	17,800	290
300	24.2	118.5	14,700				300
310	18.2	87.1	12,200				310

MLC300 S-3

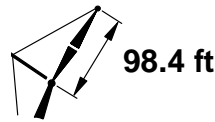
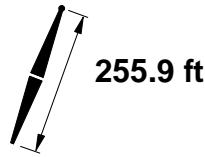
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
55	84.7	338.4	63,300				55
60	83.8	337.6	62,300				60
65	83.0	336.7	61,500				65
70	82.1	335.7	60,500	84.8	332.6	53,300	70
75	81.2	334.7	59,600	83.9	331.5	52,400	75
80	80.4	333.6	58,800	83.0	330.4	51,700	80
85	79.5	332.4	57,900	82.1	329.2	50,800	85
90	78.6	331.1	57,100	81.2	327.9	50,000	90
95	77.7	329.8	56,200	80.3	326.6	48,600	95
100	76.8	328.4	55,300	79.4	325.1	47,200	100
105	75.9	326.8	54,500	78.5	323.6	45,900	105
110	75.0	325.2	53,500	77.6	322.0	44,700	110
115	74.1	323.5	52,500	76.7	320.3	43,500	115
120	73.2	321.8	51,600	75.8	318.5	42,400	120
125	72.3	319.9	50,800	74.9	316.6	41,300	125
130	71.4	317.9	49,900	73.9	314.6	40,300	130
135	70.5	315.9	49,100	73.0	312.5	39,300	135
140	69.5	313.7	48,200	72.1	310.3	38,400	140
145	68.6	311.5	47,400	71.1	308.0	37,500	145
150	67.6	309.1	46,700	70.2	305.7	36,700	150
155	66.7	306.6	45,900	69.2	303.2	35,800	155
160	65.7	304.1	45,200	68.2	300.6	35,000	160
165	64.8	301.4	44,500	67.2	297.9	34,300	165
170	63.8	298.7	43,800	66.2	295.1	33,600	170
175	62.8	295.8	43,000	65.2	292.2	32,900	175
180	61.8	292.8	42,000	64.2	289.1	32,200	180
185	60.8	289.6	41,000	63.2	286.0	31,600	185
190	59.8	286.4	40,100	62.2	282.7	31,000	190
195	58.7	283.0	39,200	61.1	279.2	30,400	195
200	57.7	279.5	38,300	60.1	275.7	29,900	200
205	56.6	275.8	37,400	59.0	272.0	29,300	205
210	55.6	272.1	36,700	57.9	268.1	28,800	210
215	54.5	268.1	35,900	56.8	264.1	28,300	215
220	53.4	264.0	35,000	55.7	260.0	27,900	220
225	52.2	259.7	33,200	54.5	255.6	27,300	225
230	51.1	255.3	31,400	53.4	251.1	26,900	230
235	49.9	250.7	29,800	52.2	246.4	26,500	235
240	48.7	245.8	28,200	51.0	241.5	26,100	240
245	47.5	240.8	26,600	49.7	236.4	25,700	245
250	46.3	235.6	25,100	48.5	231.0	25,300	250
260	43.7	224.3	22,300	45.9	219.5	23,600	260
270	41.0	212.0	19,700	43.1	206.9	20,900	270
280	38.1	198.4	17,200	40.1	192.9	18,200	280
290	35.0	183.1	14,900	36.9	177.2	15,800	290
300	31.6	165.8	12,600	33.3	159.2	13,400	300
310	27.7	145.6	10,400	29.3	138.0	11,000	310
320	23.2	121.1	8,300				320

MLC300 S-3

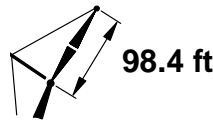
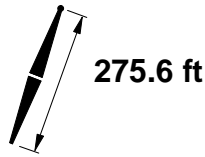
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.2	357.5	61,500				60
65	83.4	356.7	60,700				65
70	82.6	355.8	59,900				70
75	81.7	354.8	59,000	84.2	351.6	52,200	75
80	80.9	353.7	58,200	83.4	350.5	51,400	80
85	80.1	352.6	57,500	82.6	349.4	50,700	85
90	79.2	351.4	56,700	81.7	348.2	50,000	90
95	78.4	350.2	56,000	80.9	346.9	49,200	95
100	77.6	348.8	55,200	80.0	345.5	47,800	100
105	76.7	347.4	54,400	79.2	344.1	46,600	105
110	75.9	345.9	53,600	78.3	342.5	45,400	110
115	75.0	344.3	52,800	77.5	340.9	44,200	115
120	74.2	342.6	52,000	76.6	339.2	43,100	120
125	73.3	340.8	51,100	75.8	337.5	42,100	125
130	72.5	339.0	50,300	74.9	335.6	41,100	130
135	71.6	337.1	49,600	74.0	333.7	40,200	135
140	70.7	335.1	48,800	73.1	331.6	39,200	140
145	69.9	333.0	48,000	72.2	329.5	38,400	145
150	69.0	330.8	47,300	71.4	327.3	37,500	150
155	68.1	328.5	46,600	70.5	325.0	36,700	155
160	67.2	326.1	45,900	69.6	322.6	36,000	160
165	66.3	323.6	45,200	68.6	320.1	35,200	165
170	65.4	321.0	44,600	67.7	317.5	34,500	170
175	64.5	318.4	43,900	66.8	314.7	33,900	175
180	63.5	315.6	43,300	65.9	311.9	33,200	180
185	62.6	312.7	42,600	64.9	309.0	32,500	185
190	61.7	309.7	41,600	64.0	306.0	32,000	190
195	60.7	306.6	40,700	63.0	302.8	31,400	195
200	59.8	303.3	39,800	62.0	299.5	30,800	200
205	58.8	300.0	39,000	61.0	296.1	30,300	205
210	57.8	296.5	37,000	60.0	292.6	29,700	210
215	56.8	292.9	35,100	59.0	289.0	29,200	215
220	55.8	289.2	33,200	58.0	285.2	28,800	220
225	54.8	285.3	31,400	57.0	281.2	28,300	225
230	53.7	281.2	29,700	55.9	277.1	27,800	230
235	52.7	277.1	28,100	54.8	272.9	27,400	235
240	51.6	272.7	26,500	53.8	268.5	27,000	240
245	50.5	268.2	25,000	52.7	263.9	26,600	245
250	49.4	263.5	23,500	51.5	259.1	25,100	250
260	47.1	253.6	20,700	49.2	249.0	22,200	260
270	44.8	242.8	18,200	46.8	238.0	19,500	270
280	42.3	231.0	15,700	44.2	226.0	16,900	280
290	39.6	218.2	13,400	41.5	212.8	14,500	290
300	36.8	203.9	11,300	38.6	198.2	12,200	300
310	33.8	188.1	9,200	35.5	181.8	10,000	310
320	30.5	170.0	7,200	32.0	163.0	7,900	320

MLC300 S-3

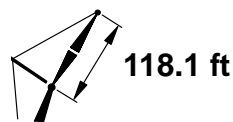
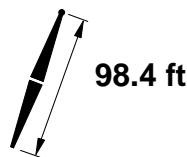
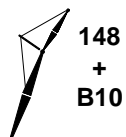
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.5	377.4	60,800				60
65	83.7	376.6	60,000				65
70	82.9	375.7	59,300				70
75	82.2	374.8	58,600	84.5	371.5	52,000	75
80	81.4	373.8	57,800	83.8	370.5	51,300	80
85	80.6	372.8	57,200	83.0	369.5	50,600	85
90	79.8	371.6	56,400	82.2	368.3	49,900	90
95	79.0	370.4	55,800	81.4	367.1	49,300	95
100	78.2	369.2	55,100	80.6	365.8	48,700	100
105	77.5	367.8	54,400	79.8	364.5	47,400	105
110	76.7	366.4	53,700	79.0	363.0	46,300	110
115	75.9	364.9	53,100	78.2	361.5	45,200	115
120	75.1	363.3	52,300	77.4	359.9	44,100	120
125	74.2	361.7	51,600	76.5	358.2	43,000	125
130	73.4	359.9	50,800	75.7	356.5	42,100	130
135	72.6	358.1	50,100	74.9	354.7	41,100	135
140	71.8	356.2	49,300	74.1	352.8	40,200	140
145	71.0	354.3	48,600	73.2	350.8	39,400	145
150	70.2	352.2	48,000	72.4	348.7	38,500	150
155	69.3	350.0	47,300	71.6	346.5	37,800	155
160	68.5	347.8	46,600	70.7	344.3	37,000	160
165	67.6	345.5	46,000	69.9	341.9	36,300	165
170	66.8	343.1	45,400	69.0	339.5	35,600	170
175	65.9	340.6	44,800	68.1	337.0	34,900	175
180	65.1	338.0	44,100	67.3	334.3	34,200	180
185	64.2	335.3	43,600	66.4	331.6	33,600	185
190	63.3	332.5	42,900	65.5	328.8	33,000	190
195	62.4	329.6	40,500	64.6	325.9	32,500	195
200	61.5	326.6	38,300	63.7	322.8	31,900	200
205	60.6	323.5	36,200	62.8	319.7	31,300	205
210	59.7	320.3	34,100	61.9	316.4	30,800	210
215	58.8	317.0	32,200	60.9	313.0	30,300	215
220	57.9	313.5	30,300	60.0	309.5	29,800	220
225	56.9	309.9	28,500	59.1	305.9	29,300	225
230	56.0	306.2	26,800	58.1	302.2	28,900	230
235	55.0	302.4	25,200	57.1	298.3	27,200	235
240	54.1	298.5	23,700	56.1	294.3	25,500	240
245	53.1	294.3	22,100	55.1	290.1	24,000	245
250	52.1	290.1	20,700	54.1	285.8	22,500	250
260	50.0	281.1	18,000	52.0	276.7	19,600	260
270	47.9	271.5	15,400	49.8	266.9	16,900	270
280	45.7	261.0	13,000	47.6	256.2	14,400	280
290	43.4	249.8	10,800	45.2	244.7	12,000	290
300	40.9	237.5	8,700	42.8	232.2	9,800	300
310	38.4	224.1	6,700	40.1	218.4	7,700	310

MLC300 S-3

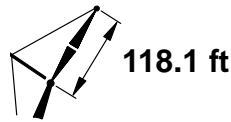
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
50	84.5	219.5	52,000				50
55	83.2	218.3	50,300				55
60	81.8	217.1	48,600				60
65	80.4	215.7	47,000				65
70	79.1	214.2	45,400				70
75	77.7	212.6	43,900	84.0	211.6	40,400	75
80	76.3	210.8	42,300	82.6	209.9	39,100	80
85	74.8	208.9	40,900	81.2	208.1	37,800	85
90	73.4	206.8	39,500	79.8	206.2	36,600	90
95	72.0	204.6	38,200	78.3	204.1	35,400	95
100	70.5	202.3	36,900	76.9	201.9	34,200	100
105	69.0	199.8	35,700	75.4	199.5	32,700	105
110	67.5	197.1	34,600	73.9	197.0	31,300	110
115	66.0	194.2	33,400	72.4	194.2	30,100	115
120	64.5	191.2	32,300	70.8	191.3	29,000	120
125	62.9	188.0	31,300	69.2	188.3	27,800	125
130	61.3	184.6	30,300	67.6	185.0	26,800	130
135	59.7	180.9	29,300	66.0	181.5	25,900	135
140	58.0	177.1	28,500	64.4	177.8	24,900	140
145	56.3	173.0	27,600	62.7	173.9	24,100	145
150	54.6	168.6	26,800	60.9	169.7	23,300	150
155	52.8	164.0	26,000	59.1	165.3	22,600	155
160	50.9	159.1	25,300	57.3	160.5	21,900	160
165	49.0	153.8	24,600	55.4	155.5	21,200	165
170	47.0	148.1	24,000	53.4	150.1	20,500	170
175	44.9	142.1	23,300	51.4	144.3	20,000	175
180	42.7	135.5	22,700	49.2	138.0	19,400	180
185	40.4	128.4	22,100	47.0	131.2	18,900	185
190	38.0	120.6	21,500	44.6	123.9	18,400	190
195	35.4	112.0	20,900	42.1	115.8	17,900	195
200	32.5	102.4	20,300	39.3	106.8	17,500	200
205	29.3	91.4	19,800	36.3	96.6	17,100	205
210	25.6	78.4	19,300	32.9	84.8	16,800	210
215	21.1	61.9	18,900	28.8	70.4	16,400	215

MLC300 S-3

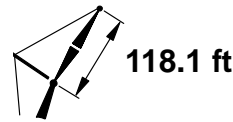
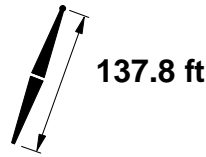
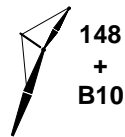
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
50	85.0	239.4	52,300				50
55	83.7	238.4	50,700				55
60	82.5	237.3	49,200				60
65	81.3	236.0	47,800				65
70	80.0	234.6	46,300	84.5	231.8	40,800	70
75	78.7	233.2	44,900	83.3	230.3	39,600	75
80	77.5	231.5	43,500	82.0	228.6	38,400	80
85	76.2	229.8	42,200	80.7	226.9	37,300	85
90	74.9	227.9	40,800	79.4	225.0	36,200	90
95	73.6	226.0	39,500	78.0	223.0	35,200	95
100	72.3	223.8	38,400	76.7	220.8	34,000	100
105	70.9	221.6	37,200	75.4	218.5	32,700	105
110	69.6	219.2	36,100	74.0	216.1	31,400	110
115	68.2	216.6	34,900	72.6	213.5	30,300	115
120	66.9	213.9	34,000	71.2	210.8	29,200	120
125	65.5	211.1	32,900	69.8	207.9	28,200	125
130	64.1	208.0	32,000	68.4	204.8	27,200	130
135	62.6	204.8	31,000	66.9	201.5	26,400	135
140	61.2	201.4	30,200	65.4	198.1	25,500	140
145	59.7	197.9	29,300	63.9	194.5	24,700	145
150	58.1	194.1	28,500	62.4	190.6	23,900	150
155	56.6	190.1	27,700	60.8	186.6	23,300	155
160	55.0	185.9	27,000	59.2	182.2	22,600	160
165	53.4	181.4	26,300	57.5	177.7	21,900	165
170	51.7	176.7	25,600	55.8	172.9	21,400	170
175	50.0	171.7	24,900	54.1	167.7	20,700	175
180	48.2	166.4	24,400	52.2	162.3	20,200	180
185	46.4	160.7	23,700	50.4	156.4	19,700	185
190	44.5	154.6	23,100	48.4	150.2	19,200	190
195	42.5	148.1	22,700	46.3	143.5	18,700	195
200	40.4	141.1	22,100	44.2	136.2	18,300	200
205	38.2	133.6	21,600	41.9	128.3	17,900	205
210	35.9	125.3	21,000	39.4	119.7	17,500	210
215	33.4	116.1	20,500	36.8	110.0	17,200	215
220	30.6	105.9	20,000	33.8	99.1	16,800	220
225	27.5	94.2	19,500	30.5	86.4	16,600	225
230	24.0	80.3	19,100				230
235	19.5	62.6	18,700				235

MLC300 S-3

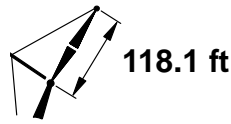
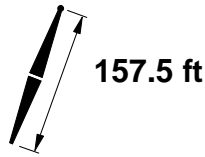
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
55	84.2	258.4	51,000				55
60	83.1	257.4	49,700				60
65	81.9	256.2	48,300				65
70	80.8	254.9	47,000	85.0	251.9	41,000	70
75	79.6	253.6	45,700	83.8	250.5	40,000	75
80	78.5	252.1	44,400	82.6	249.0	38,900	80
85	77.3	250.5	43,100	81.4	247.4	37,900	85
90	76.1	248.8	41,900	80.2	245.7	36,800	90
95	74.9	247.0	40,700	79.0	243.8	35,900	95
100	73.7	245.1	39,600	77.8	241.9	35,000	100
105	72.5	243.0	38,400	76.6	239.8	33,800	105
110	71.3	240.8	37,400	75.4	237.6	32,600	110
115	70.1	238.5	36,400	74.1	235.2	31,500	115
120	68.8	236.1	35,400	72.8	232.7	30,400	120
125	67.6	233.5	34,400	71.6	230.1	29,400	125
130	66.3	230.8	33,500	70.3	227.4	28,500	130
135	65.0	227.9	32,600	69.0	224.4	27,600	135
140	63.7	224.9	31,700	67.6	221.4	26,800	140
145	62.4	221.7	30,800	66.3	218.1	25,900	145
150	61.0	218.3	30,100	64.9	214.7	25,200	150
155	59.6	214.8	29,300	63.5	211.2	24,500	155
160	58.3	211.1	28,500	62.1	207.4	23,800	160
165	56.8	207.2	27,800	60.7	203.4	23,200	165
170	55.4	203.1	27,100	59.2	199.2	22,600	170
175	53.9	198.8	26,500	57.7	194.8	22,000	175
180	52.4	194.2	25,900	56.1	190.2	21,500	180
185	50.8	189.4	25,300	54.6	185.2	20,900	185
190	49.3	184.4	24,600	52.9	180.0	20,400	190
195	47.6	179.0	24,100	51.2	174.5	19,900	195
200	45.9	173.3	23,600	49.5	168.7	19,500	200
205	44.2	167.2	23,100	47.7	162.5	19,100	205
210	42.3	160.8	22,600	45.8	155.8	18,600	210
215	40.4	153.9	22,100	43.8	148.6	18,300	215
220	38.4	146.5	21,600	41.7	140.9	17,900	220
225	36.3	138.4	21,100	39.5	132.5	17,500	225
230	34.1	129.6	20,600	37.2	123.3	17,200	230
235	31.6	120.0	20,200	34.6	113.1	16,900	235
240	29.0	109.2	19,700	31.7	101.5	16,700	240
245	26.0	96.8	19,300	28.5	87.9	16,500	245
250	22.5	82.0	19,000				250

MLC300 S-3

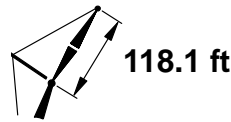
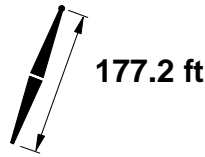
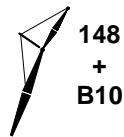
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
55	84.7	278.4	51,200				55
60	83.6	277.4	50,000				60
65	82.5	276.3	48,700				65
70	81.5	275.2	47,500				70
75	80.4	273.9	46,300				75
80	79.3	272.5	45,100	84.3	270.6	40,200	80
85	78.2	271.1	43,900	82.1	267.8	38,300	85
90	77.1	269.5	42,800	81.0	266.2	37,400	90
95	76.0	267.8	41,700	79.9	264.5	36,500	95
100	74.9	266.1	40,600	78.8	262.7	35,600	100
105	73.8	264.2	39,600	77.6	260.8	34,700	105
110	72.7	262.2	38,500	76.5	258.8	33,700	110
115	71.6	260.0	37,500	75.4	256.6	32,600	115
120	70.5	257.8	36,600	74.2	254.3	31,600	120
125	69.3	255.5	35,600	73.0	252.0	30,500	125
130	68.1	253.0	34,800	71.9	249.4	29,600	130
135	67.0	250.4	33,900	70.7	246.8	28,700	135
140	65.8	247.6	33,000	69.5	244.0	27,900	140
145	64.6	244.8	32,200	68.3	241.1	27,100	145
150	63.4	241.7	31,500	67.0	238.0	26,300	150
155	62.1	238.6	30,700	65.8	234.8	25,600	155
160	60.9	235.3	30,000	64.5	231.4	25,000	160
165	59.6	231.8	29,200	63.2	227.9	24,300	165
170	58.3	228.1	28,500	61.9	224.2	23,700	170
175	57.0	224.3	27,900	60.6	220.3	23,100	175
180	55.7	220.3	27,300	59.2	216.2	22,600	180
185	54.4	216.1	26,600	57.8	211.9	22,000	185
190	53.0	211.7	26,000	56.4	207.4	21,500	190
195	51.6	207.0	25,500	55.0	202.7	21,000	195
200	50.1	202.2	25,000	53.5	197.7	20,500	200
205	48.6	197.0	24,500	52.0	192.4	20,100	205
210	47.1	191.6	23,900	50.4	186.9	19,700	210
215	45.5	185.9	23,500	48.8	181.0	19,300	215
220	43.9	179.9	23,000	47.1	174.8	18,900	220
225	42.2	173.5	22,600	45.4	168.2	18,600	225
230	40.4	166.6	22,100	43.5	161.1	18,200	230
235	38.6	159.3	21,600	41.6	153.5	17,800	235
240	36.7	151.5	21,200	39.6	145.4	17,600	240
245	34.6	143.0	20,700	37.5	136.5	17,300	245
250	32.4	133.8	20,300	35.2	126.8	17,000	250
260	27.5	112.2	19,600	29.9	103.6	16,500	260
270	21.2	83.5	18,900				270

MLC300 S-3

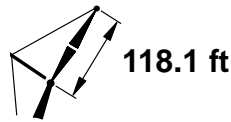
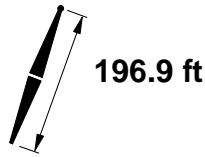
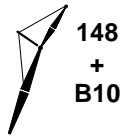
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.0	297.4	50,100				60
65	83.0	296.4	49,000				65
70	82.0	295.3	47,900				70
75	81.0	294.1	46,800	84.7	290.7	40,400	75
80	80.0	292.9	45,700	83.7	289.4	39,500	80
85	79.0	291.5	44,600	82.6	288.1	38,700	85
90	78.0	290.1	43,500	81.6	286.6	37,800	90
95	77.0	288.5	42,400	80.6	285.0	36,900	95
100	76.0	286.9	41,400	79.6	283.4	36,100	100
105	75.0	285.1	40,500	78.5	281.6	35,300	105
110	73.9	283.3	39,500	77.5	279.7	34,500	110
115	72.9	281.3	38,500	76.4	277.7	33,600	115
120	71.8	279.2	37,600	75.4	275.6	32,500	120
125	70.8	277.1	36,800	74.3	273.4	31,500	125
130	69.7	274.8	35,900	73.2	271.1	30,600	130
135	68.6	272.4	35,100	72.1	268.7	29,800	135
140	67.6	269.9	34,200	71.0	266.2	28,900	140
145	66.5	267.3	33,500	69.9	263.5	28,200	145
150	65.4	264.5	32,700	68.8	260.7	27,400	150
155	64.2	261.6	31,900	67.6	257.8	26,700	155
160	63.1	258.6	31,200	66.5	254.7	26,000	160
165	62.0	255.5	30,500	65.3	251.5	25,300	165
170	60.8	252.2	29,900	64.1	248.2	24,800	170
175	59.6	248.7	29,200	62.9	244.7	24,200	175
180	58.4	245.1	28,600	61.7	241.0	23,600	180
185	57.2	241.4	27,900	60.5	237.2	23,100	185
190	56.0	237.4	27,400	59.2	233.2	22,500	190
195	54.7	233.3	26,800	58.0	229.0	22,100	195
200	53.4	229.0	26,300	56.7	224.6	21,600	200
205	52.1	224.5	25,700	55.3	220.0	21,100	205
210	50.8	219.8	25,200	54.0	215.2	20,700	210
215	49.4	214.9	24,700	52.6	210.2	20,300	215
220	48.1	209.7	24,300	51.1	204.9	19,900	220
225	46.6	204.3	23,800	49.7	199.3	19,500	225
230	45.1	198.6	23,300	48.2	193.4	19,200	230
235	43.6	192.5	23,000	46.6	187.2	18,800	235
240	42.1	186.1	22,500	45.0	180.6	18,500	240
245	40.4	179.4	22,100	43.3	173.6	18,100	245
250	38.7	172.2	21,700	41.5	166.2	17,800	250
260	35.1	156.3	20,900	37.7	149.6	17,300	260
270	31.0	137.7	20,100	33.4	130.0	16,800	270
280	26.2	115.0	19,400	28.2	105.6	16,500	280
290	20.0	84.8	18,800				290

MLC300 S-3

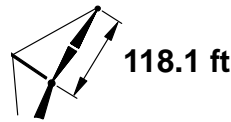
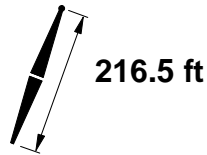
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.4	317.3	50,100				60
65	83.5	316.4	49,000				65
70	82.6	315.4	48,100				70
75	81.6	314.3	47,000				75
80	80.7	313.1	46,000				80
85	79.7	311.8	45,100	84.1	309.6	39,700	85
90	78.8	310.5	44,100	82.2	306.9	38,100	90
95	77.9	309.0	43,100	81.2	305.4	37,300	95
100	76.9	307.5	42,100	80.2	303.9	36,500	100
105	76.0	305.9	41,200	79.3	302.2	35,800	105
110	75.0	304.2	40,300	78.3	300.5	35,000	110
115	74.0	302.3	39,400	77.3	298.7	34,300	115
120	73.0	300.4	38,600	76.3	296.7	33,400	120
125	72.1	298.4	37,700	75.3	294.7	32,500	125
130	71.1	296.3	36,900	74.3	292.5	31,500	130
135	70.1	294.1	36,100	73.3	290.3	30,700	135
140	69.1	291.8	35,300	72.3	287.9	29,900	140
145	68.1	289.3	34,500	71.3	285.5	29,100	145
150	67.1	286.8	33,800	70.3	282.9	28,400	150
155	66.0	284.2	33,100	69.2	280.2	27,700	155
160	65.0	281.4	32,400	68.2	277.4	27,000	160
165	63.9	278.5	31,700	67.1	274.5	26,300	165
170	62.9	275.5	31,000	66.0	271.4	25,800	170
175	61.8	272.4	30,400	64.9	268.2	25,200	175
180	60.7	269.1	29,800	63.8	264.9	24,600	180
185	59.6	265.7	29,200	62.7	261.5	24,000	185
190	58.5	262.1	28,600	61.6	257.8	23,500	190
195	57.4	258.4	28,000	60.4	254.1	23,100	195
200	56.2	254.6	27,500	59.3	250.1	22,500	200
205	55.0	250.5	26,900	58.1	246.0	22,100	205
210	53.9	246.3	26,500	56.9	241.8	21,600	210
215	52.7	242.0	25,900	55.6	237.3	21,200	215
220	51.4	237.4	25,500	54.4	232.6	20,800	220
225	50.2	232.6	25,000	53.1	227.8	20,400	225
230	48.9	227.6	24,500	51.8	222.7	20,100	230
235	47.6	222.4	24,100	50.4	217.3	19,700	235
240	46.2	216.9	23,700	49.0	211.7	19,300	240
245	44.8	211.2	23,300	47.6	205.8	19,100	245
250	43.4	205.2	22,900	46.2	199.6	18,700	250
260	40.4	192.1	22,100	43.1	186.2	18,100	260
270	37.2	177.5	21,300	39.7	171.0	17,600	270
280	33.7	160.8	20,600	36.0	153.6	17,100	280
290	29.7	141.4	19,900	31.8	133.0	16,700	290
300	25.0	117.7	17,900				300
310	19.0	86.0	15,300				310

MLC300 S-3

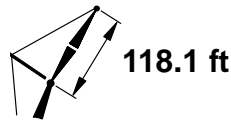
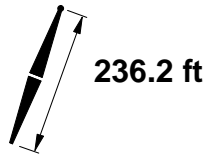
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
60	84.7	337.2	49,900				60
65	83.9	336.4	49,000				65
70	83.0	335.4	48,100				70
75	82.1	334.4	47,200				75
80	81.2	333.3	46,300				80
85	80.4	332.1	45,400	84.4	329.6	39,800	85
90	79.5	330.8	44,500	83.5	328.4	39,100	90
95	78.6	329.5	43,600	82.6	327.1	38,300	95
100	77.7	328.0	42,700	81.8	325.8	37,600	100
105	76.8	326.5	41,800	80.9	324.3	36,900	105
110	75.9	324.9	41,000	79.9	322.8	36,200	110
115	75.0	323.2	40,100	79.0	321.1	35,500	115
120	74.1	321.4	39,300	78.1	319.4	34,800	120
125	73.2	319.5	38,600	77.2	317.6	34,200	125
130	72.3	317.6	37,700	76.3	315.7	33,300	130
135	71.3	315.5	37,000	75.3	313.7	32,400	135
140	70.4	313.4	36,200	74.4	311.6	31,600	140
145	69.5	311.1	35,500	73.5	309.4	30,800	145
150	68.5	308.8	34,800	72.5	307.2	30,000	150
155	67.6	306.3	34,100	71.6	304.8	29,300	155
160	66.6	303.7	33,400	70.6	302.3	28,600	160
165	65.6	301.1	32,700	69.6	299.7	27,900	165
170	64.7	298.3	32,100	68.6	297.0	27,300	170
175	63.7	295.4	31,500	67.6	294.2	26,700	175
180	62.7	292.4	30,800	66.6	291.2	26,100	180
185	61.7	289.3	30,200	65.6	288.2	25,600	185
190	60.6	286.0	29,700	64.6	285.0	25,000	190
195	59.6	282.6	29,100	63.6	281.7	24,500	195
200	58.6	279.1	28,600	62.5	278.3	24,000	200
205	57.5	275.5	28,000	61.4	274.7	23,500	205
210	56.4	271.7	27,500	60.4	271.0	23,000	210
215	55.3	267.7	27,000	59.3	267.1	22,600	215
220	54.2	263.6	26,600	58.2	263.1	22,100	220
225	53.1	259.3	26,100	57.0	258.9	21,700	225
230	52.0	254.9	25,700	55.9	254.6	21,300	230
235	50.8	250.2	25,200	54.7	250.0	21,000	235
240	49.6	245.4	24,800	53.5	245.3	20,600	240
245	48.4	240.4	24,300	52.3	240.4	20,200	245
250	47.1	235.1	24,000	51.1	235.2	19,900	250
260	44.6	223.9	23,200	49.8	229.8	19,600	260
270	41.8	211.5	22,500	47.2	218.3	18,900	270
280	38.9	197.8	21,500	44.4	205.6	18,400	280
290	35.8	182.5	19,200	41.4	191.5	17,900	290
300	32.4	165.2	16,900	38.1	175.6	17,400	300
310	28.5	144.9	14,700	34.5	157.4	16,900	310
320	23.9	120.1	12,500	30.4	135.9	15,300	320
330	18.0	86.9	10,200				330

MLC300 S-3

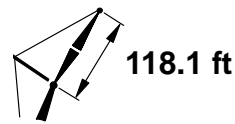
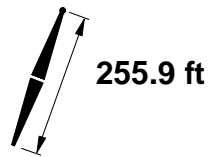
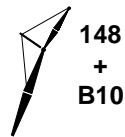
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
65	84.2	356.3	48,800				65
70	83.4	355.4	48,000				70
75	82.6	354.4	47,200				75
80	81.7	353.4	46,400	84.8	349.6	39,800	80
85	80.9	352.3	45,500	83.9	348.5	39,200	85
90	80.1	351.1	44,700	83.1	347.3	38,500	90
95	79.2	349.8	43,900	82.2	346.0	37,800	95
100	78.4	348.5	43,000	81.4	344.6	37,100	100
105	77.6	347.0	42,200	80.5	343.2	36,500	105
110	76.7	345.5	41,500	79.7	341.7	35,800	110
115	75.9	343.9	40,700	78.8	340.0	35,200	115
120	75.0	342.2	39,900	78.0	338.3	34,600	120
125	74.2	340.5	39,200	77.1	336.6	34,000	125
130	73.3	338.6	38,400	76.2	334.7	33,200	130
135	72.4	336.7	37,700	75.3	332.8	32,400	135
140	71.6	334.7	37,000	74.5	330.7	31,600	140
145	70.7	332.6	36,300	73.6	328.6	30,800	145
150	69.8	330.4	35,600	72.7	326.4	30,100	150
155	68.9	328.1	35,000	71.8	324.0	29,400	155
160	68.0	325.7	34,300	70.9	321.6	28,700	160
165	67.1	323.2	33,600	70.0	319.1	28,100	165
170	66.2	320.7	33,100	69.0	316.5	27,600	170
175	65.3	318.0	32,500	68.1	313.8	26,900	175
180	64.4	315.2	31,800	67.2	310.9	26,400	180
185	63.4	312.3	31,200	66.2	308.0	25,900	185
190	62.5	309.3	30,700	65.3	305.0	25,300	190
195	61.5	306.2	30,100	64.3	301.8	24,800	195
200	60.6	302.9	29,600	63.3	298.5	24,400	200
205	59.6	299.6	29,100	62.3	295.1	23,900	205
210	58.6	296.1	28,600	61.3	291.6	23,400	210
215	57.6	292.5	28,100	60.3	287.9	23,000	215
220	56.6	288.7	27,600	59.3	284.1	22,600	220
225	55.6	284.8	27,100	58.2	280.1	22,200	225
230	54.5	280.8	26,700	57.2	276.0	21,800	230
235	53.5	276.6	26,300	56.1	271.8	21,400	235
240	52.4	272.3	25,900	55.0	267.3	21,100	240
245	51.3	267.8	25,400	53.9	262.7	20,700	245
250	50.2	263.1	25,000	52.8	257.9	20,400	250
260	47.9	253.1	24,200	50.4	247.8	19,700	260
270	45.6	242.3	21,500	48.0	236.7	19,100	270
280	43.1	230.5	19,100	45.4	224.6	18,600	280
290	40.4	217.6	16,800	42.7	211.3	18,000	290
300	37.6	203.3	14,600	39.8	196.6	15,700	300
310	34.5	187.4	12,500	36.7	180.0	13,400	310
320	31.2	169.3	10,500	33.1	161.1	11,200	320
330	27.4	148.2	8,500	29.1	138.7	9,100	330
340	23.0	122.4	6,500				340

MLC300 S-3

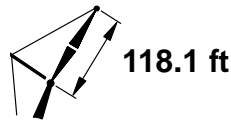
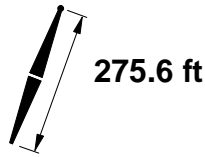
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	lb	
65	84.5	376.2	48,300				65
70	83.7	375.4	47,600				70
75	83.0	374.5	46,800				75
80	82.2	373.5	46,100				80
85	81.4	372.4	45,300	84.2	368.5	39,100	85
90	80.6	371.3	44,500	83.5	367.4	38,400	90
95	79.8	370.1	43,900	82.7	366.2	37,800	95
100	79.0	368.8	43,100	81.9	364.9	37,200	100
105	78.2	367.5	42,300	81.1	363.5	36,500	105
110	77.4	366.0	41,600	80.2	362.1	36,000	110
115	76.6	364.5	41,000	79.4	360.6	35,400	115
120	75.8	362.9	40,200	78.6	359.0	34,800	120
125	75.0	361.3	39,500	77.8	357.3	34,300	125
130	74.2	359.6	38,800	77.0	355.5	33,700	130
135	73.4	357.7	38,100	76.2	353.7	32,900	135
140	72.6	355.9	37,500	75.3	351.8	32,200	140
145	71.8	353.9	36,800	74.5	349.8	31,500	145
150	70.9	351.8	36,100	73.7	347.7	30,700	150
155	70.1	349.7	35,500	72.8	345.5	30,100	155
160	69.3	347.4	34,900	72.0	343.3	29,400	160
165	68.4	345.1	34,400	71.1	340.9	28,800	165
170	67.6	342.7	33,700	70.3	338.5	28,300	170
175	66.7	340.2	33,200	69.4	335.9	27,600	175
180	65.9	337.6	32,600	68.5	333.3	27,100	180
185	65.0	334.9	32,000	67.6	330.6	26,600	185
190	64.1	332.1	31,500	66.7	327.7	26,000	190
195	63.2	329.2	31,000	65.8	324.8	25,500	195
200	62.3	326.2	30,400	64.9	321.8	25,000	200
205	61.4	323.1	29,900	64.0	318.6	24,600	205
210	60.5	319.9	29,400	63.1	315.3	24,200	210
215	59.6	316.5	28,900	62.2	311.9	23,700	215
220	58.7	313.1	28,500	61.2	308.4	23,300	220
225	57.7	309.5	28,000	60.3	304.8	22,900	225
230	56.8	305.8	27,600	59.3	301.0	22,500	230
235	55.8	302.0	27,100	58.3	297.2	22,200	235
240	54.8	298.0	26,700	57.3	293.1	21,800	240
245	53.8	293.9	26,300	56.3	288.9	21,500	245
250	52.8	289.6	25,300	55.3	284.6	21,100	250
260	50.8	280.6	22,500	53.2	275.4	20,500	260
270	48.6	271.0	19,900	51.0	265.6	19,900	270
280	46.4	260.5	17,500	48.7	254.9	19,000	280
290	44.1	249.2	15,200	46.4	243.3	16,600	290
300	41.7	236.9	13,100	43.9	230.7	14,400	300
310	39.1	223.5	11,100	41.2	216.9	12,200	310
320	36.4	208.6	9,100	38.4	201.5	10,100	320
330	33.4	192.1	7,300	35.3	184.3	8,100	330

MLC300 S-3

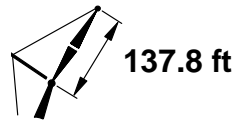
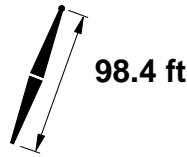
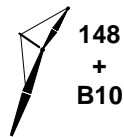
ASME B30.5



ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
65	84.8	396.1	47,800				65
70	84.1	395.3	47,200				70
75	83.3	394.4	46,500				75
80	82.6	393.5	45,900				80
85	81.8	392.5	45,200				85
90	81.1	391.4	44,500	84.5	388.5	39,000	90
95	80.4	390.3	43,900	83.0	386.3	37,800	95
100	79.6	389.1	43,100	82.3	385.1	37,200	100
105	78.9	387.8	42,500	81.5	383.8	36,700	105
110	78.1	386.5	41,800	80.8	382.4	36,200	110
115	77.3	385.0	41,200	80.0	381.0	35,600	115
120	76.6	383.5	40,500	79.2	379.5	35,000	120
125	75.8	382.0	39,800	78.5	377.9	34,500	125
130	75.1	380.3	39,200	77.7	376.3	34,100	130
135	74.3	378.6	38,600	76.9	374.5	33,500	135
140	73.5	376.8	37,900	76.1	372.7	32,900	140
145	72.7	375.0	37,400	75.3	370.8	32,200	145
150	72.0	373.0	36,800	74.5	368.9	31,500	150
155	71.2	371.0	36,200	73.8	366.8	30,800	155
160	70.4	368.9	35,500	73.0	364.7	30,200	160
165	69.6	366.7	35,000	72.1	362.5	29,600	165
170	68.8	364.5	34,400	71.3	360.2	29,000	170
175	68.0	362.1	33,900	70.5	357.8	28,500	175
180	67.2	359.7	33,400	69.7	355.3	27,900	180
185	66.4	357.1	32,800	68.9	352.8	27,400	185
190	65.5	354.5	32,300	68.0	350.1	26,900	190
195	64.7	351.8	31,800	67.2	347.4	26,400	195
200	63.9	349.0	31,300	66.4	344.5	25,900	200
205	63.0	346.1	30,800	65.5	341.6	25,400	205
210	62.2	343.1	30,300	64.7	338.6	25,000	210
215	61.3	340.0	29,900	63.8	335.4	24,500	215
220	60.5	336.8	29,300	62.9	332.2	24,200	220
225	59.6	333.5	28,900	62.0	328.8	23,700	225
230	58.7	330.1	28,500	61.1	325.3	23,400	230
235	57.8	326.5	27,100	60.2	321.7	22,900	235
240	56.9	322.9	25,500	59.3	318.0	22,600	240
245	56.0	319.1	24,000	58.4	314.2	22,200	245
250	55.1	315.2	22,500	57.4	310.2	21,900	250
260	53.2	306.9	19,800	55.5	301.8	21,200	260
270	51.2	298.1	17,200	53.5	292.9	19,100	270
280	49.2	288.7	14,800	51.5	283.3	16,500	280
290	47.2	278.6	12,600	49.4	272.9	14,200	290
300	45.0	267.7	10,500	47.2	261.8	11,900	300
310	42.8	255.9	8,500	44.9	249.7	9,800	310
320	40.4	243.1	6,600	42.5	236.6	7,800	320

MLC300 S-3

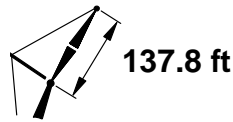
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
50	84.6	239.9	43,800				50
55	83.4	238.9	42,200				55
60	82.1	237.7	40,700				60
65	80.9	236.5	39,200				65
70	79.6	235.1	37,700				70
75	78.4	233.6	36,400	83.8	231.2	32,000	75
80	77.1	232.0	35,000	82.5	229.6	30,900	80
85	75.8	230.3	33,600	81.2	227.9	29,700	85
90	74.5	228.4	32,300	79.9	226.0	28,700	90
95	73.2	226.4	31,100	78.6	224.0	27,600	95
100	71.9	224.3	29,900	77.2	221.8	26,600	100
105	70.6	222.1	28,800	75.9	219.6	25,600	105
110	69.3	219.7	27,700	74.5	217.1	24,700	110
115	67.9	217.1	26,700	73.2	214.5	23,800	115
120	66.5	214.4	25,600	71.8	211.8	23,000	120
125	65.1	211.6	24,700	70.4	208.9	22,200	125
130	63.7	208.6	23,800	68.9	205.9	21,500	130
135	62.3	205.4	22,900	67.5	202.6	20,700	135
140	60.8	202.0	22,100	66.0	199.2	20,000	140
145	59.4	198.4	21,300	64.5	195.6	19,400	145
150	57.8	194.7	20,600	63.0	191.8	18,800	150
155	56.3	190.7	19,900	61.4	187.7	18,200	155
160	54.7	186.5	19,200	59.8	183.5	17,500	160
165	53.1	182.0	18,600	58.1	178.9	17,000	165
170	51.4	177.3	17,900	56.4	174.2	16,500	170
175	49.7	172.3	17,300	54.7	169.1	16,000	175
180	48.0	167.0	16,800	52.9	163.6	15,500	180
185	46.2	161.4	16,200	51.0	157.9	15,000	185
190	44.3	155.4	15,700	49.1	151.7	14,600	190
195	42.3	148.9	15,100	47.1	145.0	14,200	195
200	40.2	141.9	14,700	44.9	137.9	13,800	200
205	38.0	134.4	14,300	42.7	130.1	13,500	205
210	35.7	126.2	13,800	40.3	121.6	13,100	210
215	33.2	117.1	13,300	37.7	112.1	12,800	215
220	30.5	107.0	13,000	34.8	101.4	12,500	220
225	27.4	95.4	12,700	31.5	89.1	12,300	225
230	23.9	81.8	12,300	27.7	74.2	12,100	230
235	19.6	64.5	12,100				235

MLC300 S-3

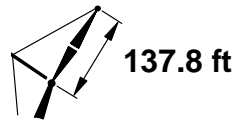
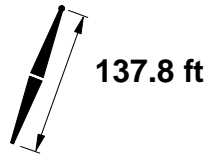
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
55	83.9	258.9	42,700				55
60	82.8	257.8	41,300				60
65	81.6	256.7	39,900				65
70	80.5	255.4	38,500				70
75	79.3	254.1	37,200				75
80	78.1	252.6	36,000	84.3	251.4	32,400	80
85	77.0	251.0	34,700	81.9	248.3	30,300	85
90	75.8	249.3	33,500	80.7	246.6	29,200	90
95	74.6	247.5	32,300	79.5	244.8	28,300	95
100	73.4	245.6	31,200	78.3	242.8	27,400	100
105	72.2	243.5	30,100	77.1	240.8	26,400	105
110	71.0	241.3	29,000	75.8	238.6	25,600	110
115	69.8	239.0	28,000	74.6	236.2	24,700	115
120	68.5	236.6	27,100	73.3	233.7	23,900	120
125	67.3	234.0	26,100	72.1	231.1	23,200	125
130	66.0	231.3	25,200	70.8	228.4	22,500	130
135	64.7	228.4	24,400	69.5	225.5	21,700	135
140	63.4	225.4	23,600	68.2	222.4	21,100	140
145	62.1	222.2	22,800	66.8	219.2	20,400	145
150	60.7	218.9	22,100	65.5	215.8	19,800	150
155	59.4	215.4	21,300	64.1	212.3	19,200	155
160	58.0	211.7	20,600	62.7	208.5	18,600	160
165	56.6	207.8	20,000	61.2	204.6	18,000	165
170	55.1	203.7	19,400	59.8	200.4	17,500	170
175	53.7	199.4	18,800	58.3	196.0	17,100	175
180	52.1	194.9	18,200	56.7	191.4	16,600	180
185	50.6	190.1	17,600	55.1	186.5	16,100	185
190	49.0	185.0	17,100	53.5	181.4	15,700	190
195	47.4	179.7	16,500	51.9	175.9	15,300	195
200	45.7	174.0	16,000	50.1	170.1	14,800	200
205	43.9	168.0	15,500	48.3	163.9	14,500	205
210	42.1	161.6	15,100	46.5	157.3	14,100	210
215	40.2	154.7	14,700	44.5	150.2	13,700	215
220	38.2	147.3	14,300	42.5	142.6	13,400	220
225	36.1	139.3	13,900	40.3	134.3	13,200	225
230	33.9	130.6	13,500	37.9	125.3	12,900	230
235	31.5	121.0	13,100	35.4	115.2	12,600	235
240	28.8	110.3	12,800	32.6	103.8	12,400	240
245	25.9	98.1	12,500	29.4	90.7	12,200	245
250	22.5	83.6	12,300	25.6	74.6	12,100	250

MLC300 S-3

ASME B30.5



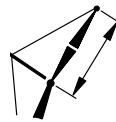
	10°			20°			
	ft	°	ft	lb	ft	lb	
55	84.3	278.8	42,900				55
60	83.3	277.9	41,700				60
65	82.2	276.8	40,500				65
70	81.2	275.6	39,200				70
75	80.1	274.4	38,000	84.7	271.5	32,800	75
80	79.0	273.0	36,700	83.6	270.2	31,700	80
85	77.9	271.6	35,600	82.5	268.7	30,700	85
90	76.8	270.0	34,400	81.4	267.1	29,800	90
95	75.8	268.3	33,300	80.3	265.4	28,900	95
100	74.7	266.6	32,300	79.2	263.6	28,000	100
105	73.5	264.7	31,200	78.1	261.7	27,100	105
110	72.4	262.7	30,200	76.9	259.7	26,300	110
115	71.3	260.6	29,200	75.8	257.6	25,500	115
120	70.2	258.3	28,300	74.7	255.3	24,700	120
125	69.0	256.0	27,400	73.5	252.9	24,000	125
130	67.9	253.5	26,500	72.3	250.4	23,300	130
135	66.7	250.9	25,700	71.1	247.8	22,600	135
140	65.5	248.2	24,900	69.9	245.0	22,000	140
145	64.3	245.3	24,100	68.7	242.1	21,300	145
150	63.1	242.3	23,400	67.5	239.1	20,700	150
155	61.9	239.1	22,600	66.3	235.9	20,200	155
160	60.6	235.8	21,900	65.0	232.5	19,600	160
165	59.4	232.4	21,300	63.7	229.0	19,000	165
170	58.1	228.7	20,700	62.4	225.3	18,500	170
175	56.8	224.9	20,000	61.1	221.4	18,000	175
180	55.5	220.9	19,400	59.7	217.3	17,600	180
185	54.1	216.7	18,900	58.4	213.1	17,100	185
190	52.7	212.3	18,400	57.0	208.6	16,600	190
195	51.3	207.7	17,800	55.5	203.9	16,300	195
200	49.9	202.8	17,300	54.0	198.9	15,800	200
205	48.4	197.7	16,800	52.5	193.7	15,400	205
210	46.9	192.3	16,300	51.0	188.2	15,100	210
215	45.3	186.6	15,900	49.4	182.4	14,700	215
220	43.7	180.6	15,500	47.7	176.2	14,300	220
225	42.0	174.2	15,100	46.0	169.6	14,100	225
230	40.2	167.4	14,700	44.2	162.7	13,700	230
235	38.4	160.2	14,300	42.3	155.2	13,400	235
240	36.5	152.4	13,900	40.3	147.1	13,200	240
245	34.5	144.0	13,600	38.2	138.3	12,900	245
250	32.3	134.8	13,200	35.9	128.7	12,600	250
260	27.4	113.4	12,700	30.7	106.0	12,300	260
270	21.2	85.2	12,200				270

MLC300 S-3

ASME B30.5



157.5 ft

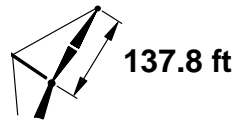
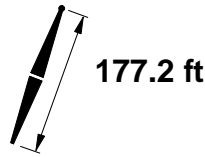


137.8 ft

	10°			20°			
	ft	°	ft	lb	ft	°	
55	84.7	298.8	43,100				55
60	83.7	297.9	41,900				60
65	82.8	296.9	40,800				65
70	81.8	295.8	39,600				70
75	80.8	294.6	38,500				75
80	79.8	293.4	37,400	84.0	290.3	32,000	80
85	78.8	292.0	36,300	83.0	289.0	31,100	85
90	77.8	290.6	35,200	82.0	287.5	30,200	90
95	76.7	289.0	34,200	81.0	285.9	29,300	95
100	75.7	287.4	33,100	80.0	284.3	28,500	100
105	74.7	285.6	32,100	78.9	282.5	27,700	105
110	73.7	283.8	31,200	77.9	280.6	26,900	110
115	72.6	281.8	30,200	76.8	278.6	26,200	115
120	71.6	279.8	29,300	75.8	276.6	25,400	120
125	70.5	277.6	28,500	74.7	274.4	24,700	125
130	69.5	275.3	27,600	73.6	272.1	24,100	130
135	68.4	272.9	26,800	72.5	269.7	23,400	135
140	67.3	270.4	26,000	71.4	267.1	22,800	140
145	66.2	267.8	25,300	70.3	264.5	22,100	145
150	65.1	265.1	24,500	69.2	261.7	21,600	150
155	64.0	262.2	23,800	68.1	258.8	21,000	155
160	62.9	259.2	23,100	66.9	255.7	20,400	160
165	61.7	256.0	22,500	65.8	252.5	19,900	165
170	60.6	252.7	21,900	64.6	249.2	19,400	170
175	59.4	249.3	21,200	63.4	245.7	18,900	175
180	58.2	245.7	20,700	62.2	242.1	18,500	180
185	57.0	242.0	20,200	61.0	238.3	18,000	185
190	55.8	238.1	19,600	59.7	234.3	17,600	190
195	54.5	234.0	19,000	58.4	230.1	17,100	195
200	53.2	229.7	18,500	57.1	225.8	16,700	200
205	51.9	225.2	18,000	55.8	221.2	16,300	205
210	50.6	220.5	17,600	54.5	216.4	15,900	210
215	49.2	215.6	17,100	53.1	211.4	15,500	215
220	47.8	210.4	16,600	51.7	206.1	15,200	220
225	46.4	205.0	16,300	50.2	200.6	14,800	225
230	44.9	199.3	15,800	48.7	194.7	14,600	230
235	43.4	193.3	15,400	47.1	188.6	14,300	235
240	41.9	186.9	15,100	45.5	182.0	14,000	240
245	40.2	180.2	14,700	43.9	175.1	13,700	245
250	38.6	173.0	14,300	42.1	167.7	13,400	250
260	34.9	157.2	13,700	38.4	151.3	12,900	260
270	30.9	138.8	13,000	34.1	132.0	12,500	270
280	26.1	116.3	12,500	29.0	108.1	12,200	280
290	20.0	86.6	12,100				290

MLC300 S-3

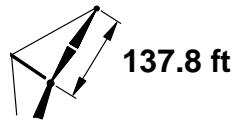
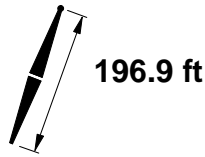
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
60	84.1	317.8	42,100				60
65	83.2	316.9	41,000				65
70	82.3	315.9	40,000				70
75	81.4	314.8	38,900				75
80	80.4	313.6	37,900	84.4	310.4	32,300	80
85	79.5	312.3	36,900	83.5	309.1	31,400	85
90	78.5	311.0	35,900	82.5	307.8	30,500	90
95	77.6	309.5	34,900	81.6	306.3	29,800	95
100	76.7	308.0	33,900	80.6	304.8	28,900	100
105	75.7	306.4	33,000	79.7	303.1	28,200	105
110	74.7	304.7	32,100	78.7	301.4	27,500	110
115	73.8	302.9	31,100	77.7	299.5	26,700	115
120	72.8	301.0	30,300	76.7	297.6	26,000	120
125	71.8	298.9	29,500	75.7	295.6	25,400	125
130	70.8	296.8	28,700	74.7	293.5	24,700	130
135	69.8	294.6	27,800	73.7	291.2	24,100	135
140	68.8	292.3	27,100	72.7	288.9	23,500	140
145	67.8	289.9	26,300	71.7	286.4	22,900	145
150	66.8	287.4	25,600	70.7	283.9	22,300	150
155	65.8	284.7	24,900	69.6	281.2	21,800	155
160	64.8	282.0	24,300	68.6	278.4	21,200	160
165	63.7	279.1	23,600	67.5	275.5	20,700	165
170	62.6	276.1	23,000	66.4	272.4	20,300	170
175	61.6	272.9	22,400	65.4	269.2	19,700	175
180	60.5	269.7	21,800	64.3	265.9	19,300	180
185	59.4	266.3	21,300	63.1	262.5	18,800	185
190	58.3	262.7	20,700	62.0	258.9	18,400	190
195	57.1	259.0	20,200	60.9	255.1	17,900	195
200	56.0	255.2	19,700	59.7	251.2	17,600	200
205	54.8	251.2	19,100	58.5	247.1	17,200	205
210	53.7	247.0	18,700	57.3	242.9	16,700	210
215	52.4	242.6	18,300	56.1	238.4	16,400	215
220	51.2	238.1	17,800	54.8	233.8	16,100	220
225	50.0	233.3	17,400	53.6	228.9	15,700	225
230	48.7	228.3	16,900	52.2	223.9	15,400	230
235	47.4	223.1	16,500	50.9	218.6	15,100	235
240	46.0	217.7	16,100	49.5	213.0	14,800	240
245	44.7	212.0	15,800	48.1	207.1	14,400	245
250	43.2	205.9	15,400	46.7	201.0	14,200	250
260	40.3	192.9	14,700	43.6	187.6	13,600	260
270	37.0	178.4	14,000	40.3	172.6	13,200	270
280	33.5	161.8	13,500	36.6	155.4	12,700	280
290	29.6	142.5	12,900	32.5	135.1	12,500	290
300	24.9	119.0	12,400	27.5	110.0	12,200	300
310	19.0	87.9	12,100				310

MLC300 S-3

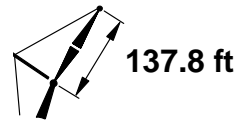
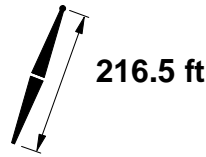
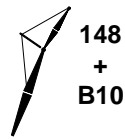
ASME B30.5



ft	10°			20°			ft
	ft	lb	ft	ft	lb	ft	
60	84.5	337.7	42,100				60
65	83.6	336.9	41,100				65
70	82.7	335.9	40,200				70
75	81.9	334.9	39,200				75
80	81.0	333.8	38,300	84.8	330.5	32,400	80
85	80.1	332.6	37,300	83.9	329.3	31,600	85
90	79.2	331.3	36,400	83.0	328.0	30,800	90
95	78.4	330.0	35,500	82.1	326.6	30,100	95
100	77.5	328.5	34,600	81.2	325.2	29,300	100
105	76.6	327.0	33,700	80.3	323.6	28,600	105
110	75.7	325.4	32,800	79.4	322.0	27,900	110
115	74.8	323.7	31,900	78.5	320.3	27,200	115
120	73.9	321.9	31,100	77.6	318.5	26,600	120
125	72.9	320.1	30,300	76.6	316.6	25,900	125
130	72.0	318.1	29,500	75.7	314.6	25,300	130
135	71.1	316.1	28,700	74.8	312.5	24,700	135
140	70.2	313.9	28,000	73.8	310.3	24,100	140
145	69.2	311.6	27,300	72.9	308.1	23,500	145
150	68.3	309.3	26,600	71.9	305.7	23,000	150
155	67.3	306.9	25,900	71.0	303.2	22,400	155
160	66.4	304.3	25,300	70.0	300.6	21,900	160
165	65.4	301.6	24,700	69.0	297.9	21,400	165
170	64.4	298.9	24,000	68.0	295.1	20,900	170
175	63.4	296.0	23,400	67.0	292.2	20,500	175
180	62.5	293.0	22,800	66.0	289.2	20,000	180
185	61.4	289.9	22,300	65.0	286.0	19,600	185
190	60.4	286.6	21,700	64.0	282.7	19,200	190
195	59.4	283.2	21,300	62.9	279.3	18,700	195
200	58.4	279.7	20,800	61.8	275.7	18,300	200
205	57.3	276.1	20,200	60.8	272.0	17,900	205
210	56.2	272.3	19,700	59.7	268.2	17,500	210
215	55.1	268.3	19,300	58.6	264.2	17,200	215
220	54.0	264.2	18,800	57.5	260.0	16,800	220
225	52.9	260.0	18,400	56.3	255.6	16,500	225
230	51.8	255.5	17,900	55.1	251.1	16,100	230
235	50.6	250.9	17,500	54.0	246.4	15,800	235
240	49.4	246.1	17,200	52.8	241.5	15,500	240
245	48.2	241.1	16,700	51.5	236.4	15,200	245
250	47.0	235.8	16,400	50.3	231.0	14,900	250
260	44.4	224.6	15,600	47.6	219.6	14,400	260
270	41.7	212.3	15,000	44.8	207.0	13,800	270
280	38.8	198.7	14,400	41.9	193.0	13,400	280
290	35.7	183.5	13,800	38.7	177.2	13,000	290
300	32.3	166.2	13,300	35.1	159.2	12,700	300
310	28.4	146.1	12,800	31.1	138.0	12,300	310
320	23.9	121.6	12,400	26.2	111.7	12,200	320
330	18.1	89.0	12,100				330

MLC300 S-3

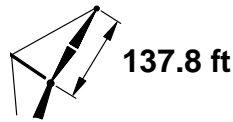
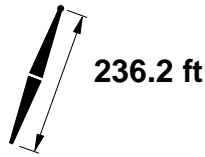
ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
60	84.8	357.6	41,700				60
65	84.0	356.8	41,100				65
70	83.2	355.9	40,300				70
75	82.3	355.0	39,400				75
80	81.5	353.9	38,500				80
85	80.7	352.8	37,600	84.2	349.3	31,800	85
90	79.9	351.6	36,800	83.4	348.1	31,000	90
95	79.0	350.3	35,900	82.6	346.8	30,400	95
100	78.2	349.0	35,000	81.7	345.5	29,700	100
105	77.3	347.5	34,200	80.9	344.0	28,900	105
110	76.5	346.0	33,400	80.0	342.5	28,300	110
115	75.7	344.4	32,600	79.2	340.9	27,600	115
120	74.8	342.8	31,800	78.3	339.2	27,000	120
125	73.9	341.0	31,000	77.4	337.4	26,400	125
130	73.1	339.2	30,300	76.6	335.6	25,800	130
135	72.2	337.3	29,600	75.7	333.6	25,200	135
140	71.3	335.2	28,900	74.8	331.6	24,700	140
145	70.5	333.1	28,100	73.9	329.5	24,100	145
150	69.6	330.9	27,500	73.0	327.2	23,600	150
155	68.7	328.7	26,900	72.1	324.9	23,100	155
160	67.8	326.3	26,200	71.2	322.5	22,600	160
165	66.9	323.8	25,600	70.3	320.0	22,100	165
170	66.0	321.2	25,000	69.4	317.4	21,600	170
175	65.1	318.6	24,400	68.5	314.7	21,100	175
180	64.2	315.8	23,800	67.5	311.9	20,700	180
185	63.2	312.9	23,300	66.6	309.0	20,200	185
190	62.3	309.9	22,700	65.6	305.9	19,800	190
195	61.3	306.8	22,200	64.7	302.8	19,400	195
200	60.4	303.5	21,700	63.7	299.5	19,000	200
205	59.4	300.2	21,200	62.7	296.1	18,600	205
210	58.4	296.7	20,700	61.7	292.6	18,200	210
215	57.4	293.1	20,300	60.7	288.9	17,900	215
220	56.4	289.4	19,800	59.7	285.1	17,500	220
225	55.4	285.5	19,400	58.6	281.2	17,200	225
230	54.4	281.5	19,000	57.6	277.1	16,800	230
235	53.3	277.3	18,600	56.5	272.8	16,500	235
240	52.2	272.9	18,100	55.4	268.4	16,200	240
245	51.1	268.4	17,700	54.3	263.8	15,900	245
250	50.0	263.8	17,300	53.2	259.1	15,600	250
260	47.8	253.8	16,600	50.9	248.9	15,100	260
270	45.4	243.0	15,900	48.4	237.9	14,500	270
280	42.9	231.3	15,300	45.9	225.9	14,100	280
290	40.3	218.4	14,700	43.2	212.7	13,600	290
300	37.5	204.2	14,100	40.3	198.1	13,200	300
310	34.4	188.4	13,600	37.2	181.7	12,900	310
320	31.1	170.4	13,200	33.7	162.9	12,500	320
330	27.4	149.4	11,900	29.7	140.8	12,300	330
340	22.9	124.0	10,000	25.0	113.3	10,600	340
350	17.2	89.9	8,000				350

MLC300 S-3

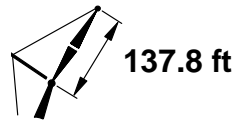
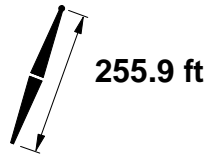
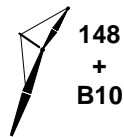
ASME B30.5



ft	10°			20°			ft
	ft	°	lb	ft	°	lb	
65	84.3	376.7	40,700				65
70	83.5	375.9	40,100				70
75	82.7	375.0	39,400				75
80	82.0	374.0	38,600				80
85	81.2	372.9	37,800				85
90	80.4	371.8	37,000	84.5	369.4	31,800	90
95	79.6	370.6	36,200	83.0	367.0	30,500	95
100	78.8	369.3	35,400	82.2	365.7	29,900	100
105	78.0	368.0	34,600	81.4	364.3	29,200	105
110	77.2	366.6	33,900	80.6	362.9	28,600	110
115	76.4	365.1	33,200	79.8	361.4	28,000	115
120	75.6	363.5	32,400	78.9	359.8	27,400	120
125	74.8	361.8	31,700	78.1	358.1	26,800	125
130	74.0	360.1	31,000	77.3	356.4	26,200	130
135	73.2	358.3	30,300	76.5	354.6	25,700	135
140	72.4	356.4	29,600	75.7	352.6	25,100	140
145	71.6	354.4	28,900	74.8	350.6	24,600	145
150	70.7	352.4	28,200	74.0	348.6	24,100	150
155	69.9	350.2	27,600	73.1	346.4	23,600	155
160	69.1	348.0	27,000	72.3	344.1	23,200	160
165	68.2	345.7	26,400	71.4	341.8	22,600	165
170	67.4	343.3	25,800	70.6	339.4	22,200	170
175	66.5	340.8	25,300	69.7	336.8	21,700	175
180	65.7	338.2	24,700	68.9	334.2	21,300	180
185	64.8	335.5	24,100	68.0	331.5	20,800	185
190	63.9	332.7	23,600	67.1	328.7	20,500	190
195	63.0	329.8	23,100	66.2	325.7	20,100	195
200	62.1	326.8	22,600	65.3	322.7	19,700	200
205	61.2	323.7	22,100	64.4	319.5	19,300	205
210	60.3	320.5	21,600	63.5	316.3	18,900	210
215	59.4	317.1	21,200	62.5	312.9	18,500	215
220	58.5	313.7	20,700	61.6	309.4	18,200	220
225	57.5	310.1	20,400	60.6	305.8	17,900	225
230	56.6	306.4	19,900	59.7	302.1	17,600	230
235	55.6	302.6	19,500	58.7	298.2	17,200	235
240	54.6	298.7	19,100	57.7	294.1	16,900	240
245	53.7	294.5	18,700	56.7	290.0	16,600	245
250	52.6	290.3	18,300	55.7	285.7	16,300	250
260	50.6	281.3	17,600	53.6	276.5	15,700	260
270	48.5	271.7	16,800	51.4	266.7	15,300	270
280	46.3	261.3	16,200	49.2	256.1	14,800	280
290	44.0	250.0	15,600	46.8	244.6	14,300	290
300	41.5	237.7	15,000	44.3	232.0	13,800	300
310	39.0	224.3	13,500	41.7	218.3	13,400	310
320	36.2	209.6	11,600	38.9	203.0	12,700	320
330	33.3	193.1	9,700	35.8	185.9	10,800	330
340	30.0	174.4	7,900	32.4	166.4	8,800	340
350				28.6	143.4	6,900	350

MLC300 S-3

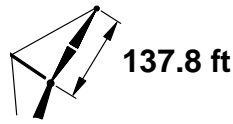
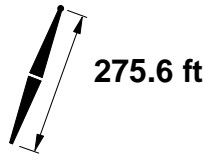
ASME B30.5



ft	10°			20°			ft
	°	ft	lb	°	ft	lb	
65	84.6	396.6	39,700				65
70	83.8	395.8	39,200				70
75	83.1	395.0	38,600				75
80	82.4	394.0	38,100				80
85	81.6	393.0	37,600				85
90	80.9	392.0	37,000	84.8	389.3	31,800	90
95	80.1	390.8	36,200	84.1	388.3	31,100	95
100	79.4	389.6	35,500	83.3	387.1	30,500	100
105	78.6	388.3	34,800	82.6	385.9	30,000	105
110	77.9	387.0	34,100	81.8	384.6	29,300	110
115	77.1	385.6	33,400	81.1	383.2	28,700	115
120	76.4	384.1	32,700	80.3	381.8	28,200	120
125	75.6	382.5	32,000	79.5	380.3	27,600	125
130	74.8	380.9	31,300	78.8	378.7	27,100	130
135	74.1	379.2	30,700	78.0	377.1	26,500	135
140	73.3	377.4	30,100	77.2	375.4	26,000	140
145	72.5	375.5	29,400	76.4	373.5	25,500	145
150	71.8	373.6	28,800	75.6	371.7	25,000	150
155	71.0	371.6	28,200	74.9	369.7	24,500	155
160	70.2	369.5	27,600	74.1	367.7	24,000	160
165	69.4	367.3	27,000	73.3	365.5	23,500	165
170	68.6	365.0	26,400	72.5	363.3	23,100	170
175	67.8	362.7	25,900	71.7	361.1	22,700	175
180	67.0	360.2	25,400	70.8	358.7	22,200	180
185	66.2	357.7	24,900	70.0	356.2	21,800	185
190	65.3	355.1	24,300	69.2	353.7	21,400	190
195	64.5	352.4	23,800	68.4	351.0	21,000	195
200	63.7	349.6	23,300	67.5	348.3	20,600	200
205	62.8	346.7	22,900	66.7	345.5	20,200	205
210	62.0	343.7	22,400	65.8	342.5	19,800	210
215	61.1	340.6	21,900	65.0	339.5	19,500	215
220	60.3	337.4	21,600	64.1	336.4	19,100	220
225	59.4	334.1	21,100	63.2	333.1	18,800	225
230	58.5	330.7	20,700	62.4	329.8	18,400	230
235	57.6	327.1	20,200	61.5	326.3	18,200	235
240	56.7	323.5	19,800	60.6	322.7	17,800	240
245	55.8	319.7	19,400	59.6	319.0	17,500	245
250	54.9	315.8	19,100	58.7	315.2	17,200	250
260	53.0	307.6	18,400	57.8	311.2	16,900	260
270	51.1	298.8	17,700	55.9	302.9	16,400	270
280	49.1	289.4	17,000	53.9	293.9	15,800	280
290	47.0	279.3	16,000	51.9	284.4	15,300	290
300	44.9	268.4	13,900	49.8	274.1	14,900	300
310	42.6	256.7	11,900	47.6	263.0	14,400	310
320	40.3	244.0	10,000	45.3	251.0	13,400	320
330	37.8	230.0	8,300	42.9	237.9	11,400	330
340	35.1	214.7	6,500	40.3	223.6	9,500	340
				37.6	207.8	7,700	340

MLC300 S-3

ASME B30.5



	10°			20°			
	ft	°	ft	lb	ft	°	
65	84.8	416.5	39,100				65
70	84.1	415.7	38,600				70
75	83.4	414.9	38,100				75
80	82.7	414.0	37,600				80
85	82.0	413.1	37,200				85
90	81.3	412.1	36,700	84.4	408.3	31,200	90
95	80.6	411.0	36,200	83.7	407.2	30,600	95
100	79.9	409.8	35,600	82.9	406.0	30,000	100
105	79.2	408.6	35,000	82.2	404.8	29,500	105
110	78.5	407.3	34,400	81.5	403.5	28,900	110
115	77.8	406.0	33,700	80.8	402.2	28,400	115
120	77.0	404.6	33,000	80.0	400.7	27,900	120
125	76.3	403.1	32,400	79.3	399.2	27,300	125
130	75.6	401.5	31,800	78.6	397.7	26,800	130
135	74.9	399.9	31,200	77.8	396.0	26,400	135
140	74.1	398.2	30,500	77.1	394.3	25,800	140
145	73.4	396.5	29,900	76.4	392.5	25,400	145
150	72.7	394.6	29,300	75.6	390.7	24,900	150
155	71.9	392.7	28,800	74.9	388.8	24,400	155
160	71.2	390.8	28,200	74.1	386.8	24,000	160
165	70.4	388.7	27,700	73.4	384.7	23,600	165
170	69.7	386.6	27,100	72.6	382.5	23,100	170
175	68.9	384.3	26,600	71.8	380.3	22,700	175
180	68.2	382.0	26,100	71.1	378.0	22,300	180
185	67.4	379.7	25,600	70.3	375.6	21,900	185
190	66.6	377.2	25,100	69.5	373.1	21,500	190
195	65.8	374.7	24,600	68.7	370.5	21,200	195
200	65.1	372.0	24,100	67.9	367.9	20,800	200
205	64.3	369.3	23,600	67.1	365.1	20,400	205
210	63.5	366.5	23,200	66.3	362.3	20,100	210
215	62.7	363.6	22,700	65.5	359.3	19,700	215
220	61.9	360.6	22,300	64.7	356.3	19,300	220
225	61.1	357.5	21,900	63.9	353.2	19,100	225
230	60.2	354.4	21,500	63.1	349.9	18,700	230
235	59.4	351.1	21,100	62.2	346.6	18,400	235
240	58.6	347.7	20,700	61.4	343.2	18,100	240
245	57.7	344.2	20,400	60.5	339.6	17,800	245
250	56.9	340.5	19,900	59.6	335.9	17,500	250
260	55.1	333.0	19,200	57.9	328.3	17,000	260
270	53.4	324.9	17,800	56.1	320.1	16,400	270
280	51.5	316.3	15,500	54.2	311.3	15,900	280
290	49.6	307.1	13,300	52.3	302.0	15,300	290
300	47.7	297.2	11,200	50.3	291.9	13,100	300
310	45.7	286.7	9,300	48.3	281.2	11,000	310
320	43.6	275.4	7,400	46.1	269.7	9,000	320
330				43.9	257.2	7,100	330