

Liftcrane Luffing Jib Capacities

Luffing Jib No. LJ10:501 on
 Boom No. B10:500
 386,200 lb VPC (Variable Position Counterweight)
 360 Degree Rating

MLC300 SERIES 2



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Consult Luffing Jib Raising Procedure chart **No. 9380-A** for allowable boom point configurations for 177.2 ft and 196.9 ft boom lengths.

Upper luffing jib point capacity for liftcrane service with single part whip line is 36,700 lb or 73,500 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

LUFFING JIB BACKWARD STABILITY: Capacities indicated by (b) require 5,000 lb minimum weight suspended beneath luffing jib point, (c) require 10,000 lb minimum weight, and (d) require 16,000 lb minimum weight. **Caution:** Do not luff into areas indicated by (b), (c), or (d) without required minimum weight. Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Supporting surface and bearing turntable are to be level within a tolerance of 1/2 in. in 10 ft. Refer to Luffing Jib Rigging **No. 81023383**, Wire Rope Specifications chart **No. 9379-A**, Counterweight Arrangements chart **No. 9345-A**, Luffing Jib Raising Procedure chart **No. 9380-A**, and Wind Conditions chart **No. 9371-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9372-A**.



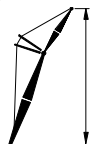
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.



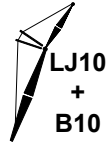
LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



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

MACHINE EQUIPMENT: Machine equipped with 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 386,200 lb VPC.

Explanation of Symbols



Luffing Jib No. LJ10:501
+
Boom No. B10:500



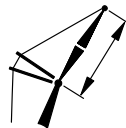
VPC (Variable Position Counterweight)



360 Degree Rating



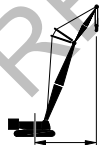
Boom Length



Luffing Jib Length



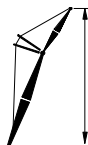
Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



Luffing Jib Elevation
(see page 1)



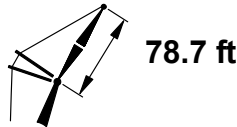
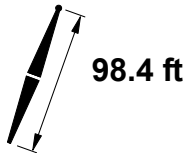
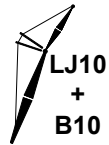
Lifting Capacities
(see page 1)

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REFERENCE ONLY!

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ASME B30.5



	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38	74.3	181.7	330,700 c							38
40	72.8	181.1	311,800 c							40
45	68.9	179.1	283,600 b							45
50	64.9	176.8	259,600 b	69.0	178.6	258,700 b				50
55	60.7	174.0	229,900	65.0	176.3	228,900 b				55
60	56.3	170.7	206,100	60.9	173.5	205,300	65.2	175.5	204,400 b	60
65	51.7	166.7	186,800	56.5	170.2	186,000	61.0	172.7	185,300	65
70	46.8	162.1	170,800	51.9	166.3	170,100	56.7	169.4	169,400	70
75	41.3	156.6	157,300	47.0	161.7	156,600	52.1	165.6	156,000	75
80	35.2	149.7	145,700	41.6	156.2	145,200	47.1	161.0	144,600	80
85	27.8	140.9	135,800	35.4	149.4	135,200	41.7	155.5	134,700	85
90	17.4	127.5	127,100	28.1	140.7	126,600	35.6	148.8	126,100	90
95				17.9	127.6	118,900	28.4	140.1	118,500	95
100							18.3	127.3	111,700	100
105										105
110										110
115										115
120										120
125										125

MLC300 S-2

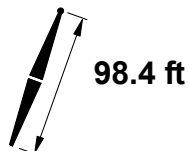
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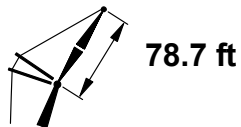
386,200 lb



360°



98.4 ft



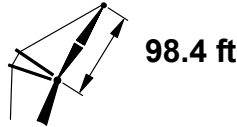
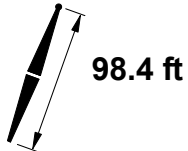
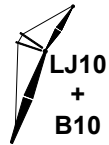
78.7 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70	63.9	172.6	168,300							70
75	59.7	169.7	155,000							75
80	55.3	166.3	143,600							80
85	50.6	162.2	133,800	58.2	165.8	132,900				85
90	45.5	157.4	125,200	53.7	162.1	124,400				90
95	40.0	151.5	117,700	48.9	157.8	116,900				95
100	33.6	144.3	111,000	43.7	152.7	110,300	51.8	157.0	109,600	100
105	25.7	134.8	105,000	37.9	146.4	104,300	46.8	152.4	103,200	105
110	13.7	119.1	99,600	31.1	138.6	99,000	41.4	146.8	97,200	110
115				22.3	127.7	94,200	35.3	140.0	91,800	115
120							27.9	131.2	86,800	120
125							17.6	117.9	82,100	125

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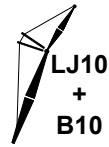
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	73.3	200.1	269,400 b							45
50	70.2	198.3	250,100							50
55	67.0	196.2	230,800	70.3	197.8	229,900				55
60	63.8	193.7	207,000	67.2	195.7	206,100				60
65	60.5	190.9	187,600	63.9	193.2	186,800	67.3	194.9	186,000	65
70	57.0	187.7	171,500	60.6	190.4	170,800	64.0	192.4	170,100	70
75	53.4	184.0	157,900	57.1	187.2	157,300	60.7	189.6	156,600	75
80	49.6	179.8	146,300	53.5	183.5	145,700	57.2	186.4	145,200	80
85	45.5	174.9	136,300	49.7	179.3	135,800	53.6	182.8	135,200	85
90	41.1	169.3	127,600	45.7	174.5	127,100	49.8	178.6	126,600	90
95	36.3	162.7	119,900	41.3	168.9	119,400	45.8	173.8	119,000	95
100	30.8	154.6	113,100	36.5	162.4	112,600	41.5	168.2	112,200	100
105	24.1	144.3	107,000	31.0	154.4	106,600	36.7	161.7	106,100	105
110	14.5	128.6	101,500	24.4	144.2	101,100	31.2	153.8	100,700	110
115				15.0	128.8	96,200	24.6	143.7	95,800	115
120							15.4	128.6	91,400	120
125										125
130										130
135										135
140										140
145										145

MLC300 S-2

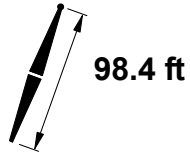
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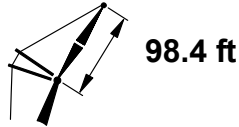
386,200 lb



360°



98.4 ft



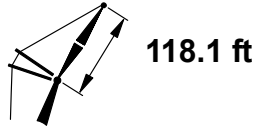
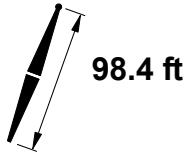
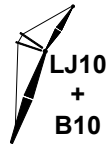
98.4 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80	63.0	189.6	144,200							80
85	59.7	186.6	134,300							85
90	56.2	183.3	125,700							90
95	52.5	179.5	118,200	58.5	182.7	117,400				95
100	48.6	175.1	111,400	54.9	179.2	110,700				100
105	44.5	170.1	105,400	51.2	175.3	104,700				105
110	40.0	164.3	100,000	47.2	170.7	99,400	53.4	174.2	96,200	110
115	35.1	157.4	95,200	43.0	165.4	94,500	49.6	170.0	90,900	115
120	29.4	148.9	90,800	38.4	159.2	89,600	45.6	165.2	86,000	120
125	22.3	137.8	86,700	33.2	151.9	84,900	41.2	159.5	81,600	125
130	11.0	119.1	83,000	27.1	142.7	80,600	36.4	152.9	77,500	130
135				19.2	130.0	76,600	30.9	144.9	73,700	135
140							24.2	134.6	70,100	140
145							14.7	119.1	66,700	145

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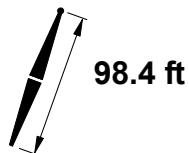
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	73.6	219.2	234,500							50
55	71.1	217.5	222,500							55
60	68.5	215.5	207,300							60
65	65.8	213.3	188,100							65
70	63.1	210.7	172,000							70
75	60.3	207.9	158,400	71.2	217.0	206,700				75
80	57.4	204.7	146,800	68.6	215.0	187,300				80
85	54.4	201.1	136,700	65.9	212.7	171,300	68.6	214.2	170,600	85
90	51.3	197.1	128,000	63.2	210.2	157,700	66.0	211.9	157,100	90
95	48.1	192.7	120,300	60.4	207.4	146,200	63.3	209.4	145,600	95
100	44.7	187.7	113,400	57.5	204.2	136,200	60.5	206.6	135,600	100
105	41.0	182.0	107,300	54.6	200.7	127,500	57.6	203.4	126,900	105
110	37.0	175.6	101,800	51.5	196.7	119,800	54.7	199.9	119,300	110
115	32.6	168.0	96,900	48.2	192.3	113,000	51.6	196.0	112,500	115
120	27.6	158.9	92,400	44.8	187.3	106,900	48.3	191.5	106,400	120
125	21.4	147.2	88,300	41.2	181.7	101,400	44.9	186.6	101,000	125
130	12.3	129.1	82,300	37.2	175.2	96,500	41.3	181.0	96,100	130
135				32.8	167.7	92,000	37.3	174.6	91,600	135
140				27.8	158.7	87,900	33.0	167.1	87,600	140
145				21.7	147.1	84,200	28.0	158.1	83,800	145
150				12.8	129.5	80,700	21.9	146.6	80,400	150
155							13.2	129.4	77,200	155
160										160
165										165

MLC300 S-2

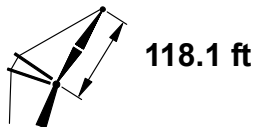
ASME B30.5



386,200 lb



98.4 ft

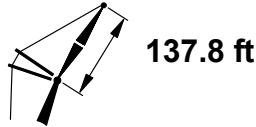
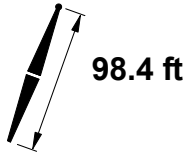
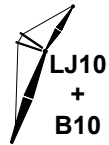


118.1 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	62.4	206.5	126,100							90
95	59.6	203.6	118,500							95
100	56.7	200.3	111,700							100
105	53.7	196.7	105,700	58.6	199.7	105,000				105
110	50.6	192.6	100,300	55.7	196.3	99,500				110
115	47.3	188.0	95,400	52.7	192.5	94,000				115
120	43.8	182.9	91,000	49.5	188.3	89,000				120
125	40.1	177.1	87,000	46.1	183.5	84,400	51.4	187.4	80,900	125
130	36.0	170.3	83,300	42.6	178.2	80,200	48.1	182.9	76,800	130
135	31.5	162.5	79,600	38.7	172.0	76,300	44.7	177.9	73,100	135
140	26.3	152.9	75,800	34.5	165.0	72,700	41.1	172.3	69,600	140
145	19.7	140.2	72,300	29.8	156.6	69,400	37.1	165.8	66,400	145
150	8.7	118.3	68,800	24.2	146.1	66,200	32.7	158.3	63,500	150
155				16.8	131.7	63,200	27.7	149.2	60,600	155
160							21.5	137.5	58,000	160
165							12.5	119.7	55,400	165

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	73.9	238.3	204,400							55
60	71.7	236.6	194,400							60
65	69.5	234.7	184,800							65
70	67.2	232.6	172,700							70
75	64.9	230.3	159,000							75
80	62.6	227.7	147,300							80
85	60.2	224.8	137,300							85
90	57.7	221.7	128,500							90
95	55.2	218.2	120,700							95
100	52.6	214.4	113,900							100
105	49.9	210.2	107,700							105
110	47.0	205.6	102,200							110
115	44.1	200.5	97,200							115
120	40.9	194.8	92,700							120
125	37.5	188.4	88,600							125
130	33.9	181.1	84,800							130
135	29.8	172.7	81,400							135
140	25.1	162.6	78,200							140
145	19.3	149.5	75,200							145
150	10.5	129.1	65,800							150
155				11.0	129.6	69,600				155
160							11.4	129.6	65,200	160
165										165
170										170
175										175
180										180
185										185

MLC300 S-2

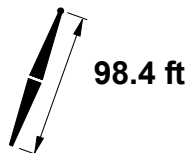
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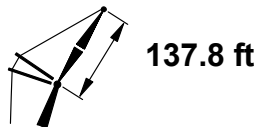
386,200 lb



360°



98.4 ft

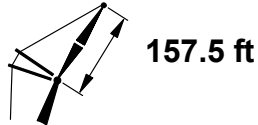
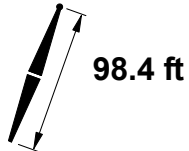
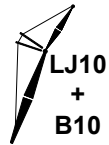


137.8 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.0	223.5	112,100							100
105	59.6	220.6	106,100							105
110	57.1	217.3	100,700							110
115	54.6	213.8	95,800	58.8	216.7	92,800				115
120	51.9	209.9	91,300	56.3	213.3	87,900				120
125	49.2	205.6	87,100	53.7	209.7	83,300				125
130	46.3	200.9	82,700	51.0	205.7	79,100				130
135	43.3	195.6	78,700	48.2	201.2	75,300	52.6	204.6	71,900	135
140	40.1	189.8	75,000	45.3	196.3	71,700	49.9	200.4	68,500	140
145	36.7	183.2	71,600	42.2	190.9	68,500	47.1	195.8	65,400	145
150	33.0	175.7	68,400	39.0	184.8	65,400	44.1	190.7	62,400	150
155	28.8	166.9	65,400	35.4	177.9	62,500	41.0	185.0	59,700	155
160	23.9	156.3	62,600	31.6	170.0	59,800	37.6	178.7	57,100	160
165	17.7	142.2	59,900	27.1	160.7	57,300	33.9	171.4	54,700	165
170	6.8	116.6	57,300	21.9	149.1	54,900	29.9	163.0	52,400	170
175				14.9	133.0	52,600	25.2	152.9	50,300	175
180							19.4	139.9	48,200	180
185							10.7	119.7	46,200	185

MLC300 S-2

ASME B30.5



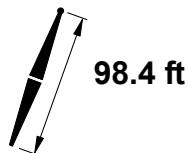
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
60	74.1	257.3	167,900							60
65	72.1	255.7	160,200							65
70	70.2	253.9	152,900							70
75	68.2	251.9	145,900	70.3	253.4	153,900				75
80	66.3	249.7	139,300	68.3	251.4	147,100				80
85	64.2	247.3	132,700	66.3	249.2	137,200	68.4	250.6	136,600	85
90	62.2	244.6	126,400	64.3	246.8	128,400	66.4	248.4	127,900	90
95	60.1	241.8	120,200	62.3	244.1	120,700	64.4	246.0	120,200	95
100	57.9	238.6	114,300	60.2	241.3	113,800	62.3	243.4	113,300	100
105	55.7	235.2	108,100	58.0	238.2	107,700	60.2	240.5	107,200	105
110	53.5	231.6	102,600	55.8	234.8	102,200	58.1	237.4	101,700	110
115	51.1	227.5	97,600	53.6	231.1	97,200	55.9	234.0	96,800	115
120	48.7	223.2	93,100	51.2	227.1	92,700	53.6	230.3	92,300	120
125	46.2	218.4	88,900	48.8	222.8	88,600	51.3	226.4	88,200	125
130	43.6	213.2	84,900	46.3	218.0	84,800	48.9	222.0	84,400	130
135	40.8	207.5	80,900	43.7	212.8	81,300	46.4	217.3	81,000	135
140	37.9	201.2	77,100	41.0	207.2	78,100	43.8	212.1	77,300	140
145	34.8	194.1	73,500	38.0	200.9	75,200	41.0	206.5	73,700	145
150	31.3	186.1	70,100	34.9	193.8	72,400	38.1	200.2	70,400	150
155	27.5	176.9	66,900	31.5	185.9	69,200	35.0	193.2	67,400	155
160	23.1	165.8	63,900	27.7	176.7	66,200	31.6	185.3	64,500	160
165	17.6	151.5	61,000	23.3	165.7	63,500	27.8	176.1	61,800	165
170	9.0	128.5	52,700	17.8	151.6	60,800	23.4	165.2	59,200	170
175				9.5	129.2	56,000	18.0	151.2	56,800	175
180							9.9	129.4	54,400	180
185										185
190										190
195										195
200										200
205										205

MLC300 S-2

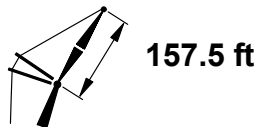
ASME B30.5



386,200 lb



98.4 ft

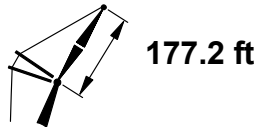
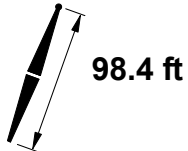
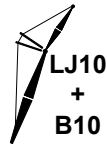


157.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.8	243.1	106,500							105
110	61.7	240.4	101,000							110
115	59.6	237.5	95,700							115
120	57.4	234.3	90,500							120
125	55.2	230.9	85,800	58.8	233.6	82,000				125
130	52.9	227.1	81,500	56.7	230.4	77,800				130
135	50.6	223.0	77,500	54.4	226.8	74,000				135
140	48.2	218.6	73,800	52.1	222.9	70,500				140
145	45.6	213.7	70,400	49.8	218.7	67,200	53.5	221.8	64,000	145
150	43.0	208.4	67,300	47.3	214.1	64,100	51.2	217.8	61,100	150
155	40.2	202.6	64,300	44.7	209.1	61,300	48.8	213.4	58,400	155
160	37.2	196.1	61,600	42.0	203.6	58,700	46.3	208.7	55,800	160
165	34.0	188.8	59,000	39.2	197.6	56,200	43.6	203.5	53,400	165
170	30.5	180.6	56,500	36.1	190.9	53,800	40.9	197.8	51,200	170
175	26.5	170.9	54,200	32.8	183.3	51,600	38.0	191.5	49,100	175
180	21.9	159.3	52,000	29.2	174.6	49,600	34.8	184.4	47,100	180
185	16.0	143.8	49,900	25.0	164.4	47,600	31.4	176.4	45,200	185
190	4.8	113.5	47,800	20.1	151.7	45,700	27.6	167.2	43,400	190
195				13.3	133.8	43,800	23.1	156.1	41,700	195
200							17.7	141.9	40,100	200
205							9.2	119.1	38,400	205

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	74.2	276.4	150,800							65
70	72.5	274.8	145,100							70
75	70.8	273.0	138,700							75
80	69.1	271.1	132,600	70.9	272.5	139,500				80
85	67.3	269.0	126,700	69.1	270.6	133,500				85
90	65.5	266.7	121,000	67.4	268.5	127,800				90
95	63.7	264.3	115,700	65.6	266.2	121,100	67.4	267.7	120,600	95
100	61.9	261.6	110,500	63.8	263.8	114,200	65.6	265.4	113,800	100
105	60.0	258.7	105,600	62.0	261.1	108,100	63.8	263.0	107,600	105
110	58.1	255.6	100,900	60.1	258.2	102,500	62.0	260.3	102,100	110
115	56.2	252.3	96,300	58.2	255.1	97,500	60.2	257.4	97,100	115
120	54.2	248.7	91,900	56.2	251.8	93,000	58.3	254.4	92,600	120
125	52.1	244.8	87,700	54.3	248.2	88,900	56.3	251.0	88,500	125
130	50.0	240.6	83,700	52.2	244.4	85,100	54.3	247.5	84,200	130
135	47.9	236.1	79,900	50.1	240.2	81,600	52.3	243.6	80,100	135
140	45.6	231.3	76,200	47.9	235.7	78,400	50.2	239.4	76,300	140
145	43.2	226.0	72,800	45.7	230.9	74,800	48.0	235.0	72,800	145
150	40.8	220.3	69,400	43.3	225.6	71,500	45.8	230.1	69,500	150
155	38.2	214.0	66,300	40.9	219.9	68,400	43.4	224.9	66,500	155
160	35.4	207.1	63,300	38.3	213.6	65,400	41.0	219.2	63,600	160
165	32.5	199.4	60,400	35.5	206.8	62,700	38.4	213.0	60,900	165
170	29.2	190.7	57,600	32.6	199.1	60,100	35.6	206.1	58,400	170
175	25.6	180.7	55,100	29.4	190.5	57,700	32.7	198.5	56,100	175
180	21.4	168.7	52,700	25.8	180.5	55,400	29.5	189.9	53,800	180
185	16.1	153.1	50,400	21.6	168.6	53,200	25.9	180.0	51,700	185
190	7.6	127.2	42,500	16.4	153.2	50,900	21.7	168.1	49,700	190
195				8.1	128.2	45,500	16.5	152.9	47,700	195
200							8.5	128.6	45,800	200
205										205
210										210
215										215
220										220
225										225

MLC300 S-2

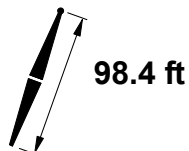
ASME B30.5



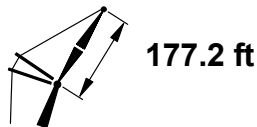
386,200 lb



360°



98.4 ft

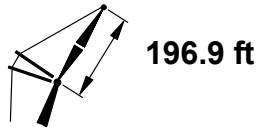
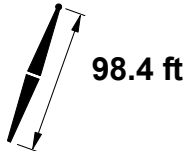
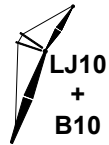


177.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.3	260.1	94,500							115
120	61.4	257.4	89,400							120
125	59.6	254.5	84,700							125
130	57.7	251.3	80,400							130
135	55.7	247.9	76,400	58.9	250.6	72,800				135
140	53.7	244.2	72,800	57.0	247.4	69,300				140
145	51.6	240.3	69,400	55.0	243.9	66,000				145
150	49.5	236.1	66,200	53.0	240.1	63,000				150
155	47.3	231.5	63,300	50.9	236.1	60,200				155
160	45.1	226.5	60,600	48.8	231.7	57,600	52.2	235.0	54,600	160
165	42.7	221.2	58,000	46.5	227.0	55,100	50.1	230.9	52,300	165
170	40.2	215.3	55,600	44.2	221.9	52,800	47.9	226.4	50,000	170
175	37.6	208.9	53,300	41.8	216.4	50,600	45.6	221.5	48,000	175
180	34.8	201.8	51,200	39.3	210.3	48,600	43.3	216.2	46,000	180
185	31.7	193.9	49,100	36.6	203.7	46,600	40.8	210.5	44,100	185
190	28.4	185.0	47,200	33.7	196.4	44,800	38.2	204.3	42,400	190
195	24.7	174.5	45,400	30.6	188.1	43,000	35.5	197.4	40,700	195
200	20.3	161.9	43,600	27.2	178.7	41,400	32.5	189.7	39,100	200
205	14.6	145.0	41,900	23.2	167.7	39,800	29.3	181.0	37,600	205
210	1.8	105.9	40,100	18.5	153.9	38,200	25.7	171.0	36,200	210
215				12.0	134.3	36,700	21.5	159.0	34,800	215
220							16.2	143.6	33,400	220
225							7.8	118.0	32,000	225

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	74.3	295.4	133,100							70
75	72.8	293.9	130,500							75
80	71.2	292.2	128,100							80
85	69.7	290.3	125,800	71.3	291.6	128,500				85
90	68.1	288.3	123,200	69.7	289.8	126,300				90
95	66.5	286.1	119,700	68.2	287.8	121,500				95
100	64.9	283.8	114,600	66.6	285.6	114,500	68.2	287.0	114,000	100
105	63.3	281.3	108,800	65.0	283.3	108,400	66.6	284.8	107,900	105
110	61.6	278.6	103,200	63.4	280.8	102,800	65.0	282.5	102,400	110
115	60.0	275.7	98,200	61.7	278.1	97,800	63.4	280.0	97,400	115
120	58.3	272.6	93,600	60.0	275.2	93,200	61.8	277.3	92,800	120
125	56.5	269.3	89,500	58.3	272.1	89,100	60.1	274.4	88,000	125
130	54.7	265.8	85,700	56.6	268.8	85,300	58.4	271.3	83,500	130
135	52.9	262.0	82,100	54.8	265.3	81,700	56.6	268.0	79,400	135
140	51.0	258.0	78,900	53.0	261.5	77,800	54.9	264.5	75,600	140
145	49.1	253.6	75,900	51.1	257.5	74,200	53.0	260.8	72,100	145
150	47.1	249.0	72,900	49.2	253.2	70,800	51.2	256.8	68,800	150
155	45.1	244.1	69,700	47.2	248.6	67,700	49.3	252.5	65,800	155
160	43.0	238.8	66,700	45.2	243.7	64,800	47.3	247.9	62,900	160
165	40.7	233.0	63,900	43.0	238.4	62,100	45.2	243.0	60,300	165
170	38.4	226.8	61,300	40.8	232.6	59,500	43.1	237.7	57,800	170
175	36.0	220.0	58,800	38.5	226.4	57,100	40.9	232.0	55,400	175
180	33.4	212.5	56,500	36.1	219.7	54,900	38.6	225.8	53,200	180
185	30.5	204.3	54,300	33.5	212.2	52,700	36.1	219.0	51,100	185
190	27.5	194.9	52,200	30.7	204.0	50,700	33.5	211.6	49,100	190
195	24.0	184.1	50,300	27.6	194.7	48,800	30.7	203.4	47,300	195
200	20.0	171.2	47,700	24.1	184.0	46,900	27.7	194.1	45,500	200
205	14.9	154.4	41,900	20.1	171.2	45,200	24.3	183.5	43,800	205
210	6.2	125.2	34,600	15.1	154.6	43,500	20.3	170.7	42,100	210
215				6.8	126.6	37,200	15.3	154.3	40,600	215
220							7.2	127.2	39,000	220
225										225
230										230
235										235
240										240
245										245

MLC300 S-2

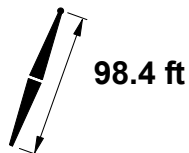
ASME B30.5



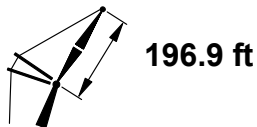
386,200 lb



360°



98.4 ft

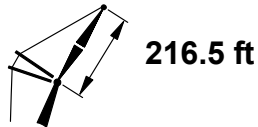
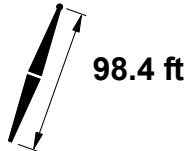
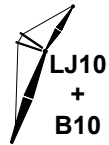


196.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.9	277.1	83,800							125
130	61.3	274.4	79,500							130
135	59.6	271.4	75,600							135
140	57.8	268.3	71,900							140
145	56.1	264.9	68,600	59.0	267.6	65,100				145
150	54.3	261.3	65,400	57.2	264.4	62,100				150
155	52.5	257.5	62,500	55.5	260.9	59,300				155
160	50.6	253.4	59,800	53.7	257.3	56,700				160
165	48.7	249.0	57,200	51.8	253.3	54,300				165
170	46.7	244.4	54,800	49.9	249.1	52,000	52.9	252.2	49,200	170
175	44.6	239.3	52,600	48.0	244.7	49,800	51.1	248.2	47,100	175
180	42.4	233.9	50,500	46.0	239.9	47,800	49.1	243.9	45,200	180
185	40.2	228.1	48,500	43.9	234.7	45,900	47.2	239.3	43,300	185
190	37.9	221.7	46,600	41.7	229.1	44,100	45.1	234.3	41,600	190
195	35.4	214.8	44,800	39.4	223.1	42,300	43.0	229.0	39,900	195
200	32.7	207.1	43,100	37.0	216.6	40,700	40.8	223.3	38,400	200
205	29.8	198.6	41,500	34.5	209.4	39,100	38.5	217.0	36,900	205
210	26.7	189.0	39,900	31.7	201.5	37,700	36.0	210.3	35,500	210
215	23.1	177.8	38,400	28.8	192.6	36,200	33.4	202.8	34,100	215
220	18.9	164.2	37,000	25.5	182.5	34,900	30.6	194.5	32,800	220
225	13.4	145.9	35,600	21.7	170.6	33,600	27.5	185.2	31,600	225
230				17.2	155.8	32,300	24.0	174.5	30,400	230
235				10.8	134.4	31,000	20.0	161.6	29,200	235
240							14.9	144.9	28,100	240
245							6.5	116.2	26,900	245

MLC300 S-2

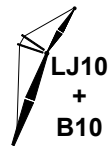
ASME B30.5



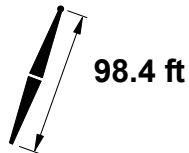
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
75	74.4	314.5	111,600							75
80	73.0	312.9	110,600							80
85	71.6	311.3	109,600							85
90	70.2	309.5	108,500	71.7	310.7	107,500				90
95	68.8	307.5	107,500	70.3	308.9	106,700				95
100	67.4	305.4	106,500	68.8	307.0	105,800				100
105	65.9	303.2	104,700	67.4	304.9	105,000	68.9	306.2	102,800	105
110	64.4	300.8	100,700	66.0	302.7	103,200	67.5	304.1	102,300	110
115	63.0	298.2	96,600	64.5	300.3	98,100	66.0	301.9	97,100	115
120	61.4	295.5	92,800	63.0	297.7	93,600	64.5	299.5	91,800	120
125	59.9	292.6	89,200	61.5	295.0	89,400	63.1	296.9	86,900	125
130	58.4	289.6	85,600	60.0	292.1	84,900	61.6	294.2	82,400	130
135	56.8	286.3	82,400	58.4	289.1	80,600	60.0	291.4	78,300	135
140	55.2	282.8	79,000	56.8	285.8	76,800	58.5	288.3	74,500	140
145	53.5	279.1	75,300	55.2	282.3	73,200	56.9	285.0	71,000	145
150	51.8	275.2	71,900	53.6	278.7	69,800	55.3	281.6	67,700	150
155	50.1	271.1	68,700	51.9	274.8	66,700	53.6	277.9	64,700	155
160	48.4	266.6	65,800	50.2	270.6	63,800	52.0	274.0	61,900	160
165	46.5	261.9	63,000	48.4	266.2	61,100	50.3	269.9	59,200	165
170	44.7	256.9	60,400	46.6	261.5	58,600	48.5	265.5	56,700	170
175	42.7	251.5	57,900	44.7	256.5	56,200	46.7	260.8	54,400	175
180	40.7	245.8	55,600	42.8	251.1	53,900	44.8	255.8	52,200	180
185	38.6	239.6	53,400	40.8	245.4	51,800	42.9	250.4	50,100	185
190	36.4	232.9	51,400	38.7	239.2	49,800	40.9	244.7	48,200	190
195	34.1	225.6	49,400	36.5	232.5	47,900	38.8	238.5	46,300	195
200	31.6	217.6	47,600	34.1	225.3	46,100	36.6	231.9	44,600	200
205	28.9	208.7	45,800	31.7	217.3	44,300	34.2	224.6	42,900	205
210	25.9	198.8	44,100	29.0	208.5	42,700	31.7	216.7	41,300	210
215	22.6	187.3	42,500	26.0	198.6	41,100	29.1	207.9	39,800	215
220	18.7	173.5	39,000	22.7	187.2	39,600	26.1	198.0	38,300	220
225	13.8	155.4	34,000	18.9	173.5	38,200	22.9	186.7	36,900	225
230	4.9	122.2	27,400	14.0	155.7	36,400	19.0	173.1	35,500	230
235				5.5	124.2	29,800	14.2	155.5	34,200	235
240							6.0	125.1	32,200	240
245										245
250										250
255										255
260										260
265										265

MLC300 S-2

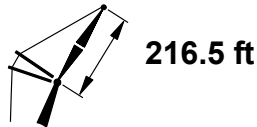
ASME B30.5



386,200 lb



98.4 ft

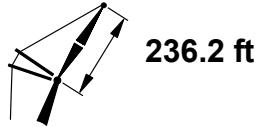
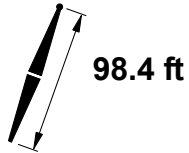
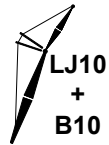


216.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.6	294.1	74,400							135
140	61.1	291.3	70,800							140
145	59.6	288.4	67,400							145
150	58.0	285.3	64,300							150
155	56.4	281.9	61,400							155
160	54.8	278.4	58,700	57.4	281.3	55,500				160
165	53.1	274.7	56,100	55.8	277.9	53,100				165
170	51.4	270.7	53,700	54.2	274.4	50,800				170
175	49.7	266.5	51,500	52.6	270.5	48,600				175
180	47.9	262.0	49,400	50.9	266.5	46,600	53.6	269.3	43,900	180
185	46.1	257.2	47,400	49.1	262.2	44,700	51.9	265.4	42,100	185
190	44.2	252.1	45,500	47.3	257.6	42,900	50.2	261.3	40,400	190
195	42.3	246.7	43,700	45.5	252.7	41,200	48.4	256.9	38,700	195
200	40.2	240.8	42,100	43.5	247.5	39,600	46.6	252.1	37,200	200
205	38.1	234.5	40,400	41.6	241.9	38,100	44.7	247.1	35,700	205
210	35.9	227.7	38,900	39.5	235.9	36,600	42.8	241.8	34,300	210
215	33.5	220.2	37,500	37.3	229.4	35,200	40.7	236.0	33,000	215
220	30.9	212.1	36,100	35.0	222.4	33,900	38.6	229.8	31,700	220
225	28.2	203.0	34,700	32.6	214.7	32,600	36.4	223.1	30,500	225
230	25.2	192.7	33,400	30.0	206.2	31,400	34.1	215.9	29,300	230
235	21.8	180.8	32,200	27.2	196.8	30,200	31.6	207.9	28,200	235
240	17.7	166.2	31,000	24.0	186.0	29,100	28.9	199.0	27,100	240
245	12.3	146.5	29,800	20.4	173.3	28,000	26.0	189.1	26,100	245
250				16.0	157.4	26,900	22.7	177.6	25,100	250
255				9.7	134.1	25,800	18.8	163.9	24,100	255
260							13.8	145.9	23,100	260
265							5.1	113.4	22,100	265

MLC300 S-2

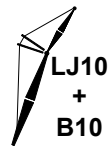
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80	74.5	333.5	91,300							80
85	73.2	332.0	90,400							85
90	71.9	330.4	89,400							90
95	70.6	328.6	88,400	72.0	329.8	87,800				95
100	69.3	326.7	87,400	70.7	328.1	87,000				100
105	68.0	324.7	86,500	69.4	326.2	86,200				105
110	66.7	322.5	85,500	68.1	324.2	85,400				110
115	65.4	320.2	84,600	66.8	322.0	84,500	68.1	323.4	83,300	115
120	64.0	317.8	83,700	65.4	319.7	83,700	66.8	321.2	82,600	120
125	62.7	315.2	82,800	64.1	317.3	82,900	65.5	318.9	82,000	125
130	61.3	312.5	81,500	62.7	314.7	82,200	64.1	316.5	81,400	130
135	59.9	309.6	79,200	61.3	312.0	79,800	62.8	313.9	77,400	135
140	58.5	306.5	76,600	59.9	309.1	75,900	61.4	311.2	73,600	140
145	57.0	303.3	73,800	58.5	306.0	72,300	60.0	308.3	70,100	145
150	55.5	299.9	71,100	57.1	302.8	69,000	58.6	305.3	66,800	150
155	54.0	296.2	67,900	55.6	299.4	65,900	57.1	302.0	63,800	155
160	52.5	292.4	64,900	54.1	295.8	63,000	55.6	298.6	61,000	160
165	51.0	288.4	62,200	52.6	292.0	60,200	54.2	295.0	58,300	165
170	49.4	284.1	59,600	51.0	287.9	57,700	52.6	291.2	55,900	170
175	47.7	279.6	57,100	49.4	283.7	55,300	51.1	287.2	53,500	175
180	46.0	274.8	54,800	47.8	279.1	53,100	49.5	282.9	51,300	180
185	44.3	269.7	52,600	46.1	274.4	51,000	47.8	278.4	49,300	185
190	42.5	264.3	50,600	44.4	269.3	48,900	46.2	273.6	47,300	190
195	40.7	258.5	48,600	42.6	263.9	47,100	44.4	268.6	45,500	195
200	38.8	252.3	46,800	40.8	258.1	45,300	42.7	263.2	43,700	200
205	36.7	245.7	45,000	38.8	252.0	43,500	40.8	257.4	42,000	205
210	34.6	238.6	43,400	36.8	245.4	41,900	38.9	251.3	40,500	210
215	32.4	230.8	41,800	34.7	238.3	40,400	36.9	244.7	38,900	215
220	30.0	222.3	40,300	32.5	230.5	38,900	34.8	237.6	37,500	220
225	27.4	212.9	38,800	30.1	222.1	37,500	32.6	229.9	36,100	225
230	24.6	202.4	37,400	27.5	212.7	36,100	30.2	221.5	34,800	230
235	21.4	190.2	35,600	24.7	202.2	34,800	27.6	212.2	33,500	235
240	17.6	175.5	31,800	21.5	190.1	33,600	24.8	201.7	32,300	240
245	12.8	156.2	27,500	17.8	175.5	32,300	21.6	189.6	31,200	245
250	3.3	117.4	21,500	13.0	156.5	29,600	17.9	175.2	30,000	250
255				4.2	120.5	23,700	13.2	156.3	28,900	255
260							4.8	122.0	25,900	260
265										265
270										270
275										275
280										280
285										285

MLC300 S-2

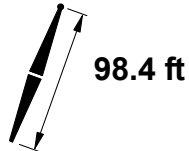
ASME B30.5



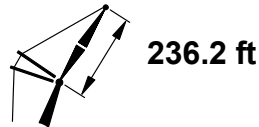
386,200 lb



360°



98.4 ft

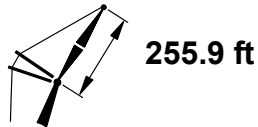
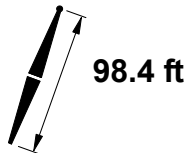
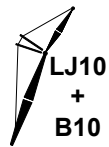


236.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.7	313.7	69,800							145
150	62.3	311.0	66,400							150
155	61.0	308.3	63,300							155
160	59.5	305.3	60,400							160
165	58.1	302.2	57,700							165
170	56.7	298.9	55,200							170
175	55.2	295.5	52,800	57.6	298.3	49,800				175
180	53.7	291.8	50,600	56.2	295.0	47,700				180
185	52.2	287.9	48,500	54.7	291.4	45,700				185
190	50.6	283.8	46,500	53.2	287.7	43,800				190
195	49.0	279.5	44,600	51.6	283.7	42,000				195
200	47.3	274.9	42,800	50.0	279.6	40,300	52.5	282.6	37,700	200
205	45.6	270.1	41,200	48.4	275.2	38,600	51.0	278.6	36,200	205
210	43.9	264.9	39,600	46.8	270.5	37,100	49.4	274.3	34,700	210
215	42.1	259.4	38,000	45.0	265.5	35,700	47.8	269.8	33,300	215
220	40.2	253.5	36,600	43.3	260.2	34,300	46.1	265.0	32,000	220
225	38.3	247.3	35,200	41.5	254.6	33,000	44.3	259.9	30,800	225
230	36.3	240.5	33,900	39.6	248.6	31,700	42.6	254.5	29,500	230
235	34.1	233.3	32,600	37.6	242.2	30,500	40.7	248.8	28,400	235
240	31.8	225.4	31,400	35.5	235.3	29,300	38.8	242.6	27,300	240
245	29.4	216.7	30,300	33.3	227.8	28,200	36.8	236.0	26,200	245
250	26.8	207.0	29,100	31.0	219.6	27,200	34.7	228.8	25,200	250
255	23.9	196.1	28,100	28.5	210.6	26,100	32.4	221.1	24,200	255
260	20.6	183.5	27,000	25.8	200.6	25,100	30.0	212.6	23,300	260
265	16.6	168.0	26,000	22.8	189.2	24,200	27.5	203.2	22,400	265
270	11.3	146.8	25,000	19.3	175.7	23,300	24.6	192.7	21,500	270
275				15.0	158.7	22,300	21.4	180.5	20,600	275
280				8.7	133.5	21,400	17.7	165.9	19,800	280
285							12.9	146.7	19,000	285
							3.7	109.1	18,100	

MLC300 S-2

ASME B30.5



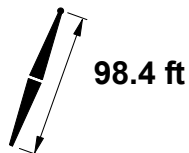
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
85	74.5	352.6	75,400						85	
90	73.4	351.1	74,500						90	
95	72.2	349.5	73,500						95	
100	71.0	347.7	72,600						100	
105	69.8	345.9	71,700	71.0	347.2	71,500			105	
110	68.6	343.9	70,800	69.9	345.4	70,700			110	
115	67.4	341.8	69,800	68.7	343.4	69,900			115	
120	66.2	339.6	69,000	67.4	341.3	69,100	68.7	342.6	68,300	120
125	64.9	337.3	68,100	66.2	339.1	68,300	67.5	340.5	67,700	125
130	63.7	334.8	67,200	65.0	336.8	67,500	66.3	338.3	67,000	130
135	62.4	332.2	66,400	63.7	334.3	66,700	65.0	336.0	66,300	135
140	61.1	329.4	65,600	62.5	331.7	66,000	63.8	333.5	65,700	140
145	59.8	326.5	64,900	61.2	328.9	65,200	62.5	330.9	65,000	145
150	58.5	323.5	64,100	59.9	326.0	64,500	61.2	328.2	64,400	150
155	57.2	320.3	63,400	58.6	323.0	63,800	59.9	325.3	62,700	155
160	55.9	316.9	62,700	57.3	319.8	61,900	58.6	322.2	59,900	160
165	54.5	313.3	61,200	55.9	316.4	59,200	57.3	319.0	57,300	165
170	53.1	309.6	58,600	54.5	312.9	56,700	56.0	315.6	54,800	170
175	51.7	305.6	56,100	53.1	309.1	54,300	54.6	312.1	52,500	175
180	50.2	301.5	53,800	51.7	305.2	52,100	53.2	308.4	50,300	180
185	48.7	297.1	51,700	50.3	301.0	49,900	51.8	304.4	48,200	185
190	47.2	292.5	49,600	48.8	296.7	47,900	50.3	300.3	46,300	190
195	45.6	287.6	47,700	47.3	292.1	46,100	48.8	295.9	44,400	195
200	44.0	282.5	45,800	45.7	287.2	44,300	47.3	291.3	42,700	200
205	42.4	277.0	44,100	44.1	282.1	42,600	45.7	286.5	41,000	205
210	40.7	271.3	42,400	42.4	276.6	40,900	44.1	281.4	39,400	210
215	38.9	265.1	40,900	40.7	270.9	39,400	42.5	275.9	37,900	215
220	37.0	258.5	38,800	39.0	264.7	37,900	40.8	270.2	36,500	220
225	35.1	251.5	36,700	37.1	258.2	36,500	39.0	264.1	35,100	225
230	33.1	244.0	34,700	35.2	251.2	35,200	37.2	257.5	33,800	230
235	30.9	235.7	32,700	33.2	243.7	33,900	35.2	250.5	32,600	235
240	28.6	226.8	30,800	31.0	235.5	32,700	33.2	243.0	31,400	240
245	26.1	216.9	28,900	28.7	226.5	31,500	31.1	234.9	30,200	245
250	23.4	205.7	27,200	26.2	216.7	29,700	28.8	226.0	29,100	250
255	20.3	192.8	25,400	23.5	205.6	27,800	26.3	216.1	28,000	255
260	16.6	177.3	23,700	20.4	192.8	26,000	23.6	205.0	27,000	260
265	11.9	156.7	21,500	16.8	177.3	24,300	20.5	192.3	26,000	265
270				12.1	157.0	22,800	16.9	177.0	24,900	270
275				2.4	114.1	18,000	12.3	156.9	23,300	275
280							3.3	117.2	20,000	280
285										285
290										290
295										295
300										300

MLC300 S-2

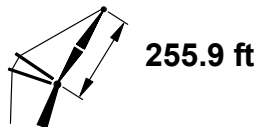
ASME B30.5



386,200 lb



98.4 ft

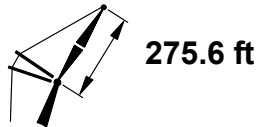
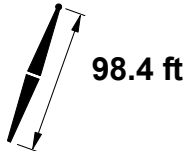
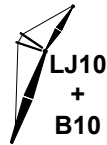


255.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.4	330.7	62,200							150
155	62.1	328.0	59,300							155
160	60.8	325.2	56,600							160
165	59.5	322.3	54,000							165
170	58.2	319.2	51,700							170
175	56.9	315.9	49,400							175
180	55.5	312.5	47,300	57.8	315.3	44,500				180
185	54.2	308.9	45,400	56.4	312.0	42,600				185
190	52.7	305.1	43,500	55.1	308.5	40,800				190
195	51.3	301.1	41,700	53.7	304.8	39,100				195
200	49.9	296.9	40,100	52.3	301.0	37,500				200
205	48.4	292.5	38,500	50.8	296.9	36,000	53.1	299.8	33,500	205
210	46.8	287.8	37,000	49.3	292.6	34,500	51.7	295.8	32,100	210
215	45.3	282.9	35,500	47.8	288.1	33,100	50.2	291.7	30,800	215
220	43.6	277.7	34,100	46.3	283.3	31,800	48.7	287.3	29,600	220
225	42.0	272.2	32,800	44.7	278.3	30,600	47.2	282.7	28,400	225
230	40.2	266.3	31,600	43.1	273.0	29,400	45.7	277.9	27,200	230
235	38.5	260.1	30,400	41.4	267.4	28,200	44.0	272.7	26,100	235
240	36.6	253.4	29,200	39.6	261.4	27,100	42.4	267.3	25,100	240
245	34.6	246.2	28,100	37.8	255.0	26,100	40.7	261.5	24,100	245
250	32.6	238.5	27,100	35.9	248.2	25,100	38.9	255.4	23,100	250
255	30.4	230.2	26,100	33.9	240.8	24,100	37.1	248.8	22,200	255
260	28.1	221.0	25,100	31.8	232.9	23,200	35.1	241.8	21,300	260
265	25.5	210.8	24,100	29.6	224.3	22,300	33.1	234.2	20,400	265
270	22.7	199.3	23,200	27.2	214.8	21,400	31.0	226.0	19,600	270
275	19.5	185.9	22,300	24.6	204.2	20,500	28.7	217.1	18,800	275
280	15.7	169.5	21,400	21.6	192.1	19,700	26.2	207.2	18,000	280
285	10.5	146.8	20,600	18.3	177.8	18,900	23.4	196.0	17,300	285
290				14.1	159.9	18,100	20.4	183.2	16,500	290
295				7.8	132.4	17,300	16.7	167.7	15,800	295
300							12.0	147.2	15,100	300

MLC300 S-2

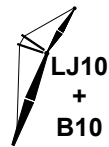
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
90	74.6	371.6	61,500							90
95	73.5	370.1	60,600							95
100	72.4	368.5	59,700							100
105	71.3	366.8	58,900							105
110	70.2	365.0	58,000	71.4	366.3	58,100				110
115	69.1	363.1	57,200	70.3	364.5	57,400				115
120	68.0	361.1	56,400	69.1	362.6	56,600				120
125	66.8	359.0	55,600	68.0	360.6	55,900				125
130	65.7	356.7	54,900	66.9	358.4	55,100	68.1	359.8	54,800	130
135	64.6	354.3	54,200	65.7	356.2	54,400	66.9	357.6	54,200	135
140	63.4	351.8	53,400	64.6	353.8	53,700	65.8	355.4	53,600	140
145	62.2	349.2	52,700	63.4	351.3	53,100	64.6	353.0	53,000	145
150	61.0	346.4	52,100	62.3	348.7	52,400	63.5	350.5	52,400	150
155	59.8	343.5	51,400	61.1	345.9	51,800	62.3	347.9	51,800	155
160	58.6	340.4	50,800	59.9	343.0	51,200	61.1	345.1	51,200	160
165	57.4	337.2	50,200	58.7	340.0	50,600	59.9	342.2	50,600	165
170	56.1	333.9	49,600	57.4	336.8	50,000	58.7	339.2	50,600	170
175	54.8	330.4	49,100	56.2	333.4	49,500	57.5	336.0	50,100	175
180	53.6	326.7	48,500	54.9	329.9	48,900	56.2	332.7	49,300	180
185	52.2	322.8	48,000	53.6	326.2	48,400	54.9	329.1	47,400	185
190	50.9	318.8	47,500	52.3	322.4	47,100	53.7	325.5	45,400	190
195	49.5	314.5	46,900	51.0	318.3	45,200	52.3	321.6	43,600	195
200	48.1	310.1	45,100	49.6	314.1	43,500	51.0	317.6	41,800	200
205	46.7	305.4	43,300	48.2	309.6	41,800	49.6	313.4	40,200	205
210	45.3	300.4	41,700	46.8	305.0	40,100	48.2	308.9	38,600	210
215	43.8	295.3	40,100	45.3	300.0	38,600	46.8	304.2	37,100	215
220	42.2	289.8	38,600	43.8	294.9	37,100	45.4	299.3	35,700	220
225	40.6	284.0	37,200	42.3	289.4	35,700	43.9	294.1	34,300	225
230	39.0	277.9	35,800	40.7	283.6	34,400	42.3	288.7	33,000	230
235	37.3	271.4	34,500	39.1	277.5	33,100	40.7	282.9	31,800	235
240	35.5	264.4	33,200	37.4	271.0	31,900	39.1	276.8	30,600	240
245	33.6	257.0	32,000	35.6	264.1	30,700	37.4	270.4	29,400	245
250	31.7	249.0	30,900	33.7	256.7	29,600	35.6	263.5	28,300	250
255	29.6	240.4	29,800	31.8	248.8	28,500	33.8	256.1	27,300	255
260	27.4	231.0	28,700	29.7	240.1	27,500	31.8	248.1	26,300	260
265	25.0	220.5	27,700	27.5	230.7	26,500	29.8	239.6	25,300	265
270	22.3	208.8	25,900	25.1	220.4	25,500	27.6	230.2	24,400	270
275	19.3	195.2	23,100	22.4	208.7	24,600	25.2	219.8	23,400	275
280	15.8	178.8	20,100	19.5	195.2	23,700	22.5	208.2	22,600	280
285	11.1	156.9	16,700	15.9	178.9	21,900	19.6	194.8	21,700	285
290				11.3	157.3	18,500	16.0	178.6	20,900	290
295							11.5	157.3	20,000	295
300										300
305										305
310										310
315										315
320										320

MLC300 S-2

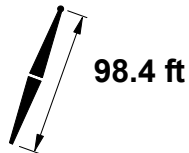
ASME B30.5



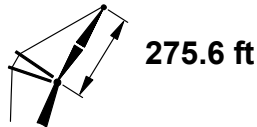
386,200 lb



360°



98.4 ft

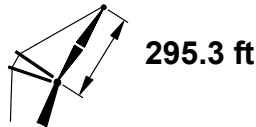
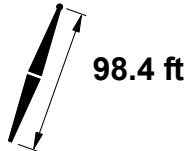
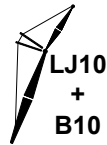


275.6 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.1	347.7	50,200							160
165	61.9	345.0	49,800							165
170	60.7	342.2	49,400							170
175	59.5	339.2	48,500							175
180	58.3	336.2	46,400							180
185	57.1	332.9	44,500							185
190	55.8	329.5	42,600	57.9	332.3	39,800				190
195	54.5	326.0	40,800	56.6	329.0	38,100				195
200	53.3	322.3	39,200	55.4	325.5	36,600				200
205	51.9	318.4	37,600	54.1	321.9	35,000				205
210	50.6	314.3	36,100	52.8	318.1	33,600				210
215	49.2	310.0	34,600	51.5	314.2	32,200	53.6	316.9	29,900	215
220	47.8	305.4	33,300	50.1	310.0	30,900	52.3	313.1	28,600	220
225	46.4	300.7	32,000	48.7	305.6	29,700	50.9	309.0	27,400	225
230	44.9	295.7	30,700	47.3	301.0	28,500	49.6	304.8	26,300	230
235	43.4	290.5	29,500	45.9	296.2	27,300	48.2	300.3	25,200	235
240	41.9	284.9	28,400	44.4	291.1	26,300	46.7	295.6	24,200	240
245	40.3	279.0	27,300	42.9	285.8	25,200	45.3	290.7	23,200	245
250	38.6	272.8	26,300	41.3	280.1	24,200	43.8	285.5	22,200	250
255	36.9	266.2	25,300	39.7	274.1	23,200	42.2	280.0	21,300	255
260	35.1	259.2	24,300	38.0	267.8	22,300	40.7	274.2	20,400	260
265	33.2	251.7	23,400	36.3	261.0	21,400	39.0	268.1	19,600	265
270	31.2	243.5	22,400	34.4	253.8	20,600	37.3	261.6	18,700	270
275	29.1	234.7	21,600	32.5	246.1	19,700	35.5	254.7	17,900	275
280	26.8	225.1	20,700	30.5	237.8	18,900	33.7	247.3	17,200	280
285	24.4	214.4	19,900	28.3	228.7	18,200	31.7	239.3	16,400	285
290	21.7	202.3	19,100	26.0	218.7	17,400	29.6	230.7	15,700	290
295	18.6	188.1	18,400	23.5	207.5	16,700	27.4	221.3	15,000	295
300	14.8	170.8	17,600	20.6	194.8	16,000	25.0	210.9	14,400	300
305	9.7	146.5	16,800	17.3	179.8	15,300	22.4	199.1	13,700	305
310				13.3	160.7	14,600	19.4	185.6	13,100	310
315				7.0	130.9	13,900	15.8	169.3	12,400	315
320							11.2	147.4	11,800	320

MLC300 S-2

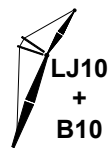
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
95	74.6	390.6	51,100							95
100	73.6	389.2	50,300							100
105	72.6	387.6	49,500							105
110	71.6	385.9	48,700							110
115	70.6	384.2	47,900	71.6	385.4	48,100				115
120	69.5	382.3	47,200	70.6	383.6	47,400				120
125	68.5	380.3	46,500	69.6	381.8	46,700				125
130	67.4	378.2	45,800	68.5	379.8	46,000				130
135	66.4	376.0	45,100	67.5	377.7	45,400	68.5	379.0	45,300	135
140	65.3	373.7	44,400	66.4	375.5	44,700	67.5	376.9	44,700	140
145	64.2	371.3	43,800	65.3	373.2	44,700	66.4	374.7	44,100	145
150	63.1	368.8	43,100	64.3	370.8	43,500	65.4	372.4	43,500	150
155	62.0	366.1	42,500	63.2	368.3	42,900	64.3	370.0	43,000	155
160	60.9	363.4	42,300	62.1	365.6	42,300	63.2	367.5	42,400	160
165	59.8	360.4	41,400	61.0	362.9	41,800	62.1	364.8	41,900	165
170	58.7	357.4	40,800	59.8	360.0	41,200	61.0	362.1	41,400	170
175	57.5	354.2	40,300	58.7	356.9	40,700	59.9	359.2	40,900	175
180	56.3	350.9	39,800	57.6	353.7	40,200	58.7	356.1	40,400	180
185	55.2	347.4	39,300	56.4	350.4	39,700	57.6	353.0	39,900	185
190	54.0	343.8	38,900	55.2	347.0	39,300	56.4	349.7	39,400	190
195	52.8	340.0	38,400	54.0	343.3	38,800	55.3	346.2	39,000	195
200	51.5	336.0	38,000	52.8	339.5	38,400	54.1	342.6	38,500	200
205	50.3	331.9	37,600	51.6	335.6	37,900	52.8	338.8	38,100	205
210	49.0	327.6	37,200	50.3	331.4	37,500	51.6	334.8	37,500	210
215	47.7	323.0	36,800	49.0	327.1	37,100	50.3	330.7	36,100	215
220	46.3	318.3	36,500	47.7	322.6	36,100	49.1	326.4	34,600	220
225	44.9	313.3	36,100	46.4	317.8	34,700	47.8	321.9	33,300	225
230	43.5	308.0	34,800	45.0	312.9	33,400	46.4	317.1	32,000	230
235	42.1	302.5	33,500	43.6	307.6	32,100	45.0	312.1	30,700	235
240	40.6	296.7	32,300	42.2	302.1	30,900	43.6	306.9	29,600	240
245	39.1	290.6	31,100	40.7	296.4	29,700	42.2	301.4	28,400	245
250	37.5	284.2	29,900	39.1	290.3	28,600	40.7	295.7	27,300	250
255	35.9	277.3	28,800	37.6	283.8	27,500	39.2	289.6	26,300	255
260	34.1	270.0	27,800	35.9	277.0	26,500	37.6	283.2	25,300	260
265	32.3	262.2	26,700	34.2	269.7	25,500	36.0	276.3	24,300	265
270	30.4	253.9	25,700	32.4	262.0	24,600	34.3	269.1	23,400	270
275	28.4	244.8	24,800	30.5	253.6	23,600	32.5	261.3	22,500	275
280	26.3	234.9	23,900	28.5	244.6	22,700	30.6	253.0	21,600	280
285	24.0	224.0	22,600	26.4	234.7	21,900	28.6	244.0	20,800	285
290	21.4	211.7	20,200	24.1	223.8	21,000	26.4	234.2	19,900	290
295	18.5	197.4	17,700	21.5	211.6	20,200	24.1	223.3	19,200	295
300	15.0	180.2	15,000	18.6	197.4	19,400	21.6	211.1	18,400	300
305	10.3	156.9	12,000	15.1	180.3	16,700	18.7	197.1	17,600	305
310				10.6	157.4	13,700	15.2	180.1	16,900	310
315							10.7	157.4	15,300	315
320										320
325										325
330										330

MLC300 S-2

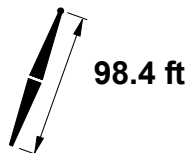
ASME B30.5



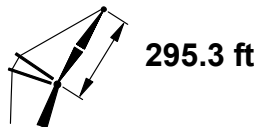
386,200 lb



360°



98.4 ft

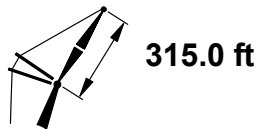
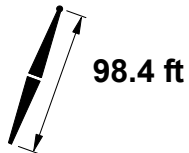
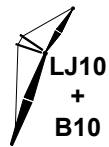


295.3 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	64.0	367.2	41,300							165
170	62.9	364.6	40,900							170
175	61.8	362.0	40,400							175
180	60.7	359.1	40,000							180
185	59.5	356.2	39,600							185
190	58.4	353.1	39,100							190
195	57.2	349.9	38,700							195
200	56.1	346.6	38,000	58.0	349.2	35,400				200
205	54.9	343.0	36,500	56.8	346.0	33,800				205
210	53.7	339.4	35,000	55.7	342.6	32,400				210
215	52.5	335.5	33,500	54.5	339.0	31,100				215
220	51.2	331.5	32,200	53.3	335.3	29,800				220
225	50.0	327.3	30,900	52.0	331.4	28,500	54.0	334.0	26,200	225
230	48.7	323.0	29,600	50.8	327.3	27,300	52.8	330.2	25,100	230
235	47.3	318.4	28,400	49.5	323.0	26,200	51.5	326.3	24,000	235
240	46.0	313.6	27,300	48.2	318.6	25,100	50.3	322.1	23,000	240
245	44.6	308.5	26,200	46.9	313.9	24,100	49.0	317.8	22,000	245
250	43.2	303.2	25,200	45.5	309.0	23,100	47.7	313.2	21,000	250
255	41.8	297.7	24,200	44.1	303.9	22,100	46.3	308.5	20,100	255
260	40.3	291.8	23,200	42.7	298.5	21,200	45.0	303.5	19,200	260
265	38.7	285.6	22,300	41.2	292.9	20,300	43.6	298.3	18,400	265
270	37.1	279.1	21,400	39.7	286.9	19,500	42.1	292.8	17,600	270
275	35.5	272.1	20,500	38.2	280.6	18,600	40.6	287.0	16,800	275
280	33.7	264.7	19,700	36.5	273.9	17,800	39.1	280.9	16,000	280
285	31.9	256.8	18,900	34.9	266.8	17,100	37.5	274.4	15,300	285
290	30.0	248.3	18,100	33.1	259.2	16,300	35.9	267.6	14,600	290
295	28.0	239.0	17,400	31.3	251.1	15,600	34.2	260.3	13,900	295
300	25.8	228.9	16,600	29.3	242.3	14,900	32.4	252.5	13,300	300
305	23.4	217.7	15,900	27.2	232.8	14,300	30.5	244.2	12,600	305
310	20.7	205.0	15,200	25.0	222.4	13,600	28.5	235.1	12,000	310
315	17.7	190.2	14,600	22.5	210.7	13,000	26.3	225.2	11,400	315
320	14.0	171.9	13,900	19.7	197.3	12,300				320
325	8.9	146.0	13,200	16.5	181.5	11,700				325
330				12.5	161.4	11,100				330

MLC300 S-2

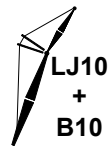
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
100	74.7	409.7	42,300						100	
105	73.7	408.2	41,600						105	
110	72.8	406.7	40,800						110	
115	71.8	405.0	40,100						115	
120	70.9	403.3	39,400	71.9	404.5	39,700			120	
125	69.9	401.5	38,700	70.9	402.8	39,400			125	
130	68.9	399.5	38,000	69.9	400.9	38,400			130	
135	67.9	397.5	37,400	68.9	399.0	37,700			135	
140	66.9	395.4	36,700	68.0	397.0	37,100	69.0	398.2	37,200	
145	65.9	393.1	36,100	67.0	394.8	36,500	68.0	396.2	36,600	
150	64.9	390.8	35,500	66.0	392.6	35,900	67.0	394.0	36,100	
155	63.9	388.3	35,000	65.0	390.3	35,400	66.0	391.8	35,500	
160	62.9	385.8	34,400	64.0	387.8	34,800	65.0	389.5	35,000	
165	61.9	383.1	33,900	62.9	385.3	34,300	64.0	387.0	34,500	
170	60.8	380.3	33,400	61.9	382.6	33,800	63.0	384.5	33,900	
175	59.8	377.4	32,900	60.9	379.8	33,200	61.9	381.8	33,400	
180	58.7	374.4	32,400	59.8	376.9	32,700	60.9	379.0	32,900	
185	57.6	371.2	31,900	58.8	373.9	32,300	59.9	376.1	32,500	
190	56.5	367.9	31,500	57.7	370.7	31,800	58.8	373.1	32,000	
195	55.4	364.5	31,100	56.6	367.4	31,400	57.7	369.9	31,600	
200	54.3	360.9	30,600	55.5	364.0	30,900	56.6	366.7	31,200	
205	53.2	357.1	30,200	54.4	360.4	30,500	55.5	363.2	30,700	
210	52.0	353.3	29,800	53.2	356.7	30,100	54.4	359.7	30,300	
215	50.9	349.2	29,500	52.1	352.8	29,800	53.3	355.9	30,000	
220	49.7	345.0	29,100	50.9	348.7	29,400	52.1	352.0	29,600	
225	48.5	340.5	28,800	49.7	344.5	29,000	50.9	348.0	29,200	
230	47.2	335.9	28,400	48.5	340.1	28,700	49.8	343.8	28,900	
235	46.0	331.1	28,100	47.3	335.5	28,400	48.5	339.4	28,600	
240	44.7	326.1	27,800	46.0	330.7	28,100	47.3	334.8	28,300	
245	43.3	320.8	27,500	44.7	325.7	27,800	46.1	330.0	27,500	
250	42.0	315.3	27,300	43.4	320.4	27,500	44.8	325.0	26,400	
255	40.6	309.5	27,000	42.0	314.9	26,600	43.4	319.7	25,300	
260	39.2	303.4	26,800	40.7	309.1	25,600	42.1	314.2	24,300	
265	37.7	297.0	25,900	39.2	303.0	24,600	40.7	308.4	23,400	
270	36.2	290.2	24,900	37.7	296.6	23,700	39.3	302.4	22,500	
275	34.6	283.0	23,900	36.2	289.9	22,700	37.8	296.0	21,600	
280	32.9	275.4	23,000	34.6	282.7	21,900	36.3	289.2	20,700	
285	31.2	267.2	22,100	33.0	275.1	21,000	34.7	282.0	19,900	
290	29.3	258.5	21,300	31.2	266.9	20,200	33.0	274.4	19,100	
295	27.4	249.0	20,200	29.4	258.2	19,400	31.3	266.3	18,300	
300	25.3	238.7	17,500	27.5	248.8	18,600	29.5	257.6	17,500	
305	23.0	227.2	15,000	25.4	238.5	17,900	27.5	248.2	16,800	
310				23.1	227.1	16,200	25.4	237.9	16,100	
315				20.6	214.3	13,700	23.2	226.6	15,400	
320							20.7	213.9	14,700	
325							17.9	199.1	12,300	
330									330	
335									335	

MLC300 S-2

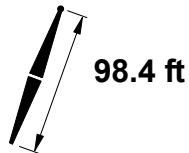
ASME B30.5



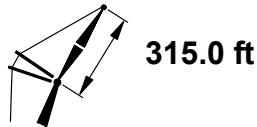
386,200 lb



360°



98.4 ft

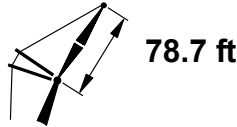
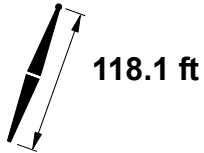
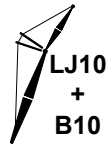


315.0 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175	63.7	384.2	33,200							175
180	62.7	381.6	32,800							180
185	61.6	378.9	32,400							185
190	60.6	376.1	32,000							190
195	59.5	373.2	31,600							195
200	58.5	370.1	31,200							200
205	57.4	366.9	30,800							205
210	56.3	363.6	30,400	58.1	366.2	29,900				210
215	55.2	360.1	30,000	57.0	363.0	29,700				215
220	54.1	356.5	29,700	55.9	359.6	28,700				220
225	52.9	352.7	29,400	54.8	356.1	27,500				225
230	51.8	348.8	28,700	53.7	352.4	26,300				230
235	50.6	344.7	27,500	52.5	348.6	25,200				235
240	49.4	340.4	26,300	51.4	344.6	24,100	53.2	347.4	21,900	240
245	48.2	335.9	25,300	50.2	340.4	23,100	52.1	343.5	20,900	245
250	46.9	331.3	24,200	49.0	336.1	22,100	50.9	339.4	20,000	250
255	45.7	326.4	23,200	47.7	331.5	21,100	49.7	335.2	19,100	255
260	44.4	321.3	22,300	46.5	326.8	20,200	48.5	330.8	18,200	260
265	43.0	316.0	21,300	45.2	321.9	19,300	47.2	326.2	17,400	265
270	41.7	310.4	20,500	43.9	316.7	18,500	46.0	321.4	16,600	270
275	40.3	304.5	19,600	42.6	311.3	17,700	44.7	316.3	15,800	275
280	38.8	298.4	18,800	41.2	305.6	16,900	43.4	311.1	15,000	280
285	37.3	291.9	18,000	39.8	299.6	16,100	42.0	305.5	14,300	285
290	35.8	285.0	17,200	38.3	293.4	15,400	40.6	299.7	13,600	290
295	34.2	277.7	16,500	36.8	286.7	14,700	39.2	293.6	12,900	295
300	32.5	270.0	15,700	35.2	279.7	14,000	37.7	287.2	12,300	300
305	30.7	261.7	15,100	33.6	272.3	13,300	36.2	280.5	11,600	305
310	28.9	252.8	14,400	31.9	264.4	12,700				310
315	26.9	243.1	13,700	30.1	255.9	12,100				315
320	24.8	232.5	13,100	28.2	246.7	11,500				320
325	22.5	220.8	12,500	26.2	236.7	10,900				325
330	19.9	207.5	11,900							330
335	16.9	192.0	11,300							335

MLC300 S-2

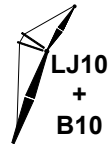
ASME B30.5



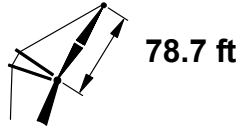
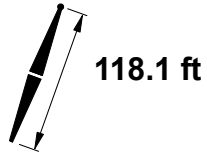
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
40	73.8	201.2	318,100 c						40	
45	70.0	199.3	292,000 c						45	
50	66.0	197.1	261,800 b	70.9	199.1	260,600 c			50	
55	61.9	194.4	231,700	67.0	197.0	230,600 b			55	
60	57.6	191.3	207,700	62.9	194.4	206,700	67.9	196.5	205,800 b	60
65	53.0	187.5	188,300	58.6	191.4	187,400	63.9	194.0	186,500 b	65
70	48.2	183.1	172,100	54.2	187.8	171,300	59.7	191.1	170,500	70
75	42.9	177.8	158,500	49.4	183.6	157,800	55.2	187.7	157,000	75
80	37.0	171.4	146,900	44.2	178.5	146,200	50.5	183.6	145,500	80
85	30.0	163.2	136,800	38.5	172.4	136,200	45.5	178.7	135,600	85
90	20.8	151.6	128,100	31.8	164.7	127,500	39.9	172.9	126,900	90
95				23.4	154.3	119,800	33.5	165.7	119,300	95
100				7.8	133.5	113,000	25.6	156.1	112,500	100
105							13.5	140.2	106,400	105
110									110	
115									115	
120									120	
125									125	
130									130	
135									135	

MLC300 S-2

ASME B30.5



386,200 lb

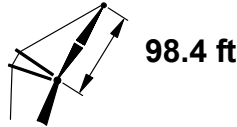
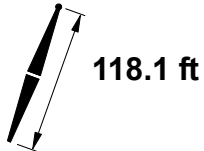
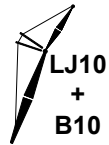


ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75	64.0	191.7	155,800 b							75
80	59.8	188.8	144,400							80
85	55.4	185.3	134,500							85
90	50.7	181.3	125,900							90
95	45.6	176.5	118,300	55.3	182.0	117,400				95
100	40.1	170.7	111,600	50.6	177.9	110,600				100
105	33.7	163.5	105,600	45.5	173.1	104,000				105
110	25.9	154.0	100,200	40.0	167.2	97,900	50.2	173.3	93,300	110
115	14.0	138.5	95,300	33.6	160.0	92,400	45.1	168.4	88,100	115
120				25.7	150.5	87,400	39.4	162.5	83,300	120
125				13.7	134.7	82,600	33.0	155.2	79,000	125
130							24.9	145.3	74,900	130
135							12.0	128.3	70,900	135

REFERENCE ONLY

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ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	74.1	220.2	266,800 b							45
50	71.1	218.5	257,500 b							50
55	67.9	216.5	232,600	71.8	218.2	231,500 b				55
60	64.7	214.1	208,600	68.7	216.3	207,600				60
65	61.4	211.4	189,000	65.5	214.0	188,100				65
70	58.0	208.2	172,800	62.2	211.4	172,000	66.3	213.5	171,200	70
75	54.4	204.7	159,200	58.8	208.3	158,400	63.0	211.0	157,700	75
80	50.6	200.6	147,500	55.3	204.9	146,800	59.6	208.1	146,100	80
85	46.7	196.0	137,400	51.6	201.0	136,800	56.1	204.7	136,100	85
90	42.4	190.6	128,600	47.6	196.4	128,000	52.5	200.9	127,400	90
95	37.7	184.3	120,900	43.5	191.3	120,300	48.6	196.5	119,700	95
100	32.4	176.7	114,000	38.9	185.2	113,500	44.5	191.5	112,900	100
105	26.1	167.1	107,800	33.8	178.0	107,300	40.0	185.7	106,800	105
110	17.7	153.6	102,300	27.8	169.0	101,900	35.0	178.8	101,400	110
115				20.1	156.8	96,900	29.3	170.3	96,400	115
120				3.8	129.3	92,400	22.2	159.1	92,000	120
125							10.8	140.2	87,900	125
130										130
135										135
140										140
145										145
150										150
155										155

MLC300 S-2

ASME B30.5



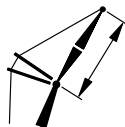
386,200 lb



360°



118.1 ft

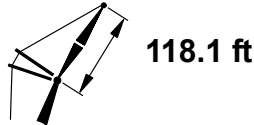
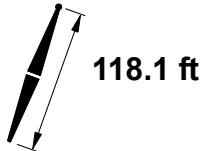
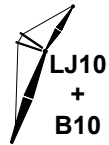


98.4 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	63.1	208.6	135,000							85
90	59.7	205.7	126,400							90
95	56.2	202.4	118,800							95
100	52.6	198.6	112,000							100
105	48.7	194.2	106,000	56.2	199.0	102,900				105
110	44.6	189.2	100,600	52.5	195.2	97,000				110
115	40.1	183.4	95,700	48.6	190.8	91,600				115
120	35.2	176.6	91,100	44.5	185.8	86,700	52.2	190.7	82,300	120
125	29.5	168.1	86,400	40.0	180.0	82,200	48.3	186.3	78,000	125
130	22.4	157.1	82,000	35.1	173.1	78,000	44.1	181.2	74,100	130
135	11.3	138.7	77,800	29.4	164.6	74,200	39.6	175.3	70,500	135
140				22.2	153.5	70,600	34.6	168.3	67,100	140
145				10.9	134.7	67,100	28.8	159.6	63,900	145
150							21.5	148.2	61,000	150
155							9.2	127.7	58,000	155

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	74.3	239.3	231,200 b							50
55	71.8	237.6	227,100							55
60	69.2	235.7	209,200							60
65	66.5	233.5	189,600	69.8	235.5	188,700				65
70	63.8	231.1	173,300	67.2	233.4	172,500				70
75	61.1	228.3	159,600	64.5	231.0	158,800	67.8	232.9	158,100	75
80	58.2	225.2	147,900	61.8	228.3	147,200	65.1	230.6	146,500	80
85	55.3	221.8	137,800	58.9	225.3	137,100	62.4	227.9	136,500	85
90	52.2	217.9	129,000	56.0	221.9	128,400	59.6	225.0	127,700	90
95	49.0	213.6	121,200	53.0	218.2	120,600	56.7	221.7	120,100	95
100	45.6	208.8	114,300	49.8	214.0	113,800	53.7	218.1	113,200	100
105	42.0	203.3	108,200	46.5	209.3	107,600	50.6	214.0	107,100	105
110	38.2	197.1	102,600	42.9	204.0	102,100	47.3	209.4	101,700	110
115	33.9	189.8	97,600	39.1	198.0	97,200	43.8	204.3	96,700	115
120	29.1	181.2	93,100	35.0	191.0	92,700	40.1	198.4	92,200	120
125	23.3	170.4	89,000	30.3	182.8	88,500	36.0	191.7	88,100	125
130	15.4	155.0	85,200	24.8	172.6	84,800	31.5	183.8	84,400	130
135				17.7	158.8	81,300	26.2	174.2	80,900	135
140							19.6	161.5	77,700	140
145							8.5	139.3	74,100	145
150										150
155										155
160										160
165										165
170										170
175										175

MLC300 S-2

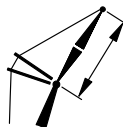
ASME B30.5



386,200 lb



118.1 ft

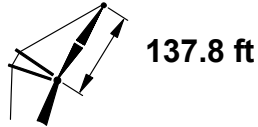
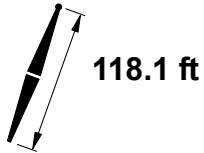
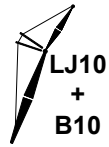


118.1 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	62.5	225.6	119,100							95
100	59.7	222.7	112,300							100
105	56.8	219.4	106,300							105
110	53.8	215.8	100,900							110
115	50.7	211.7	95,700	56.7	216.0	90,800				115
120	47.4	207.1	90,600	53.7	212.4	85,900				120
125	43.9	202.0	85,900	50.6	208.3	81,500				125
130	40.2	196.2	81,600	47.3	203.7	77,400	53.5	207.9	73,300	130
135	36.1	189.5	77,700	43.8	198.6	73,700	50.3	203.8	69,700	135
140	31.6	181.6	74,000	40.1	192.8	70,200	47.0	199.2	66,400	140
145	26.4	172.1	70,600	36.0	186.0	67,000	43.5	194.0	63,300	145
150	19.8	159.5	67,400	31.5	178.2	63,900	39.8	188.1	60,500	150
155	9.1	138.0	64,300	26.3	168.6	61,100	35.7	181.3	57,800	155
160				19.7	155.9	58,400	31.1	173.3	55,300	160
165				8.7	134.0	55,800	25.8	163.5	52,900	165
170							19.0	150.4	50,700	170
175							6.9	126.0	48,400	175

MLC300 S-2

ASME B30.5



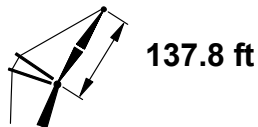
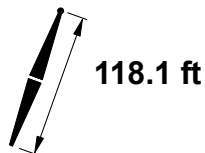
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	74.5	258.3	202,700							55
60	72.3	256.7	193,300							60
65	70.1	254.9	184,400							65
70	67.8	252.9	174,000	70.6	254.7	173,200				70
75	65.5	250.6	160,200	68.4	252.7	159,500				75
80	63.2	248.1	148,500	66.1	250.5	147,800	68.9	252.1	147,100	80
85	60.8	245.3	138,300	63.8	248.0	137,700	66.6	250.0	137,000	85
90	58.4	242.2	129,500	61.4	245.3	128,800	64.3	247.6	128,200	90
95	55.9	238.8	121,700	59.0	242.3	121,100	62.0	244.9	120,500	95
100	53.3	235.1	114,700	56.5	239.0	114,200	59.6	242.0	113,700	100
105	50.6	231.0	108,600	53.9	235.3	108,000	57.1	238.7	107,500	105
110	47.8	226.5	103,000	51.3	231.4	102,500	54.6	235.2	102,000	110
115	44.9	221.6	98,000	48.5	227.0	97,500	51.9	231.3	97,100	115
120	41.8	216.0	93,400	45.6	222.1	93,000	49.2	227.0	92,600	120
125	38.5	209.9	89,300	42.6	216.7	88,900	46.3	222.3	88,400	125
130	34.9	202.9	85,500	39.3	210.7	85,100	43.3	217.0	84,700	130
135	31.0	194.8	82,000	35.8	204.0	81,600	40.1	211.2	81,000	135
140	26.5	185.2	78,800	32.0	196.2	78,400	36.7	204.6	77,200	140
145	21.0	173.2	75,800	27.6	187.0	75,400	32.9	197.1	73,700	145
150	13.6	155.9	73,000	22.5	175.7	72,600	28.7	188.3	70,400	150
155				15.7	160.3	69,400	23.8	177.6	67,300	155
160							17.6	163.5	64,400	160
165							6.5	137.5	61,500	165
170										170
175										175
180										180
185										185
190										190
195										195

MLC300 S-2

ASME B30.5



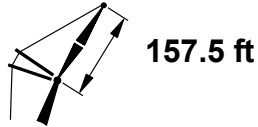
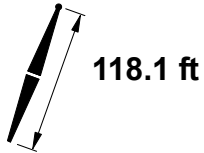
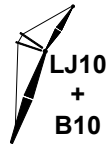
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.1	242.6	106,300							105
110	59.6	239.6	100,200							110
115	57.2	236.4	94,600							115
120	54.6	232.9	89,500							120
125	52.0	229.0	84,900	57.1	233.0	80,300				125
130	49.3	224.7	80,600	54.6	229.5	76,300				130
135	46.4	220.0	76,700	51.9	225.6	72,500				135
140	43.4	214.8	73,100	49.2	221.3	69,100				140
145	40.2	208.9	69,800	46.3	216.6	65,900	51.7	221.1	62,100	145
150	36.8	202.4	66,700	43.3	211.3	63,000	49.0	216.8	59,300	150
155	33.0	194.9	63,700	40.1	205.5	60,200	46.1	212.0	56,700	155
160	28.8	186.1	61,000	36.7	198.9	57,600	43.1	206.7	54,200	160
165	24.0	175.5	58,400	32.9	191.4	55,200	39.9	200.8	51,900	165
170	17.8	161.6	56,000	28.7	182.6	52,900	36.4	194.2	49,800	170
175	7.2	136.5	53,500	23.9	172.0	50,700	32.6	186.6	47,700	175
180				17.6	157.9	48,600	28.4	177.7	45,800	180
185				6.7	132.2	46,500	23.4	166.8	43,900	185
190							17.0	152.3	42,100	190
195							4.4	122.5	40,200	195

MLC300 S-2

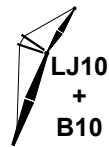
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	74.6	277.4	166,400							60
65	72.7	275.8	159,300							65
70	70.7	274.1	152,300							70
75	68.8	272.1	145,700	71.2	273.8	154,700				75
80	66.8	270.0	139,400	69.3	271.9	148,200				80
85	64.8	267.6	133,200	67.3	269.8	138,200				85
90	62.8	265.0	127,100	65.3	267.5	129,300	67.8	269.3	128,700	90
95	60.7	262.2	121,200	63.3	265.0	121,500	65.8	267.0	120,900	95
100	58.5	259.2	115,200	61.2	262.2	114,600	63.7	264.6	114,100	100
105	56.4	255.8	109,000	59.1	259.2	108,400	61.7	261.9	107,900	105
110	54.1	252.2	103,400	56.9	256.0	102,900	59.6	258.9	102,400	110
115	51.8	248.3	98,400	54.7	252.4	97,900	57.4	255.7	97,400	115
120	49.4	244.1	93,800	52.4	248.6	93,300	55.2	252.3	92,900	120
125	46.9	239.4	89,600	50.0	244.4	89,200	52.9	248.5	88,400	125
130	44.3	234.4	85,800	47.5	239.9	85,400	50.6	244.4	83,900	130
135	41.6	228.8	82,000	45.0	234.9	81,900	48.1	240.0	79,900	135
140	38.7	222.6	78,200	42.3	229.5	78,600	45.6	235.1	76,100	140
145	35.6	215.8	74,600	39.5	223.5	75,000	42.9	229.8	72,600	145
150	32.3	208.1	71,200	36.4	216.8	71,700	40.1	223.9	69,300	150
155	28.6	199.2	67,900	33.2	209.4	68,600	37.2	217.4	66,300	155
160	24.4	188.7	64,800	29.5	200.8	65,600	33.9	210.2	63,500	160
165	19.2	175.5	62,000	25.5	190.8	62,900	30.4	201.9	60,800	165
170	12.0	156.3	59,200	20.6	178.4	60,300	26.5	192.3	58,300	170
175				14.1	161.4	57,800	21.9	180.6	55,900	175
180							15.9	165.0	53,600	180
185							4.5	134.1	51,300	185
190										190
195										195
200										200
205										205
210										210

MLC300 S-2

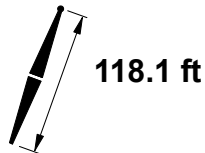
ASME B30.5



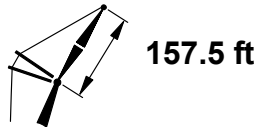
386,200 lb



360°



118.1 ft

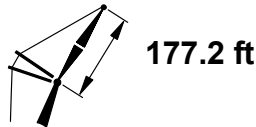
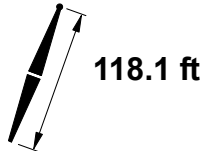
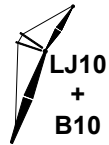


157.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.8	262.2	98,800							110
115	61.7	259.5	93,200							115
120	59.6	256.6	88,200							120
125	57.5	253.4	83,600							125
130	55.3	249.9	79,400							130
135	53.0	246.2	75,500	57.4	250.0	71,200				135
140	50.6	242.1	71,900	55.2	246.6	67,700				140
145	48.2	237.7	68,600	52.9	242.8	64,600				145
150	45.7	232.8	65,500	50.6	238.7	61,600				150
155	43.0	227.5	62,600	48.2	234.3	58,900	52.7	238.3	55,300	155
160	40.2	221.7	59,900	45.6	229.4	56,300	50.4	234.2	52,900	160
165	37.2	215.2	57,400	43.0	224.1	53,900	47.9	229.7	50,600	165
170	34.0	208.0	55,000	40.2	218.3	51,700	45.4	224.8	48,400	170
175	30.5	199.7	52,700	37.2	211.8	49,600	42.7	219.5	46,400	175
180	26.6	190.1	50,600	34.0	204.5	47,500	39.9	213.6	44,500	180
185	22.0	178.5	48,600	30.5	196.2	45,600	36.9	207.0	42,700	185
190	16.1	163.2	46,600	26.5	186.6	43,800	33.7	199.7	41,000	190
195	5.3	133.8	44,600	21.9	175.0	42,100	30.1	191.3	39,400	195
200				16.0	159.5	40,400	26.2	181.6	37,800	200
205				4.8	129.1	38,700	21.5	169.7	36,300	205
210							15.4	153.7	34,900	210

MLC300 S-2

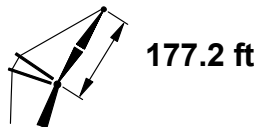
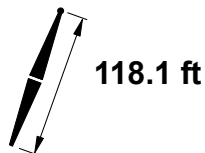
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	74.7	296.4	148,700							65
70	73.0	294.9	143,500							70
75	71.3	293.2	137,900							75
80	69.5	291.3	132,100	71.7	292.9	139,900				80
85	67.8	289.3	126,500	70.0	291.1	134,200				85
90	66.0	287.0	121,100	68.2	289.1	128,700				90
95	64.2	284.6	115,900	66.4	286.9	122,000	68.6	288.5	121,400	95
100	62.4	282.0	110,900	64.7	284.5	115,000	66.9	286.4	114,500	100
105	60.5	279.2	106,200	62.8	281.9	108,800	65.1	284.1	108,300	105
110	58.6	276.1	101,500	61.0	279.2	103,300	63.3	281.5	102,800	110
115	56.7	272.9	97,000	59.1	276.2	98,200	61.4	278.8	97,400	115
120	54.7	269.3	92,700	57.2	273.0	93,700	59.6	275.9	92,100	120
125	52.7	265.5	88,600	55.2	269.5	89,500	57.6	272.7	87,300	125
130	50.6	261.4	84,600	53.2	265.8	85,700	55.7	269.3	82,900	130
135	48.5	257.0	80,800	51.1	261.8	81,600	53.7	265.6	78,800	135
140	46.2	252.3	77,100	49.0	257.4	77,700	51.6	261.7	75,100	140
145	43.9	247.1	73,700	46.8	252.8	74,100	49.5	257.5	71,600	145
150	41.5	241.5	70,400	44.5	247.7	70,800	47.3	252.9	68,400	150
155	38.9	235.4	67,200	42.1	242.2	67,700	45.0	247.9	65,400	155
160	36.2	228.7	64,200	39.6	236.3	64,800	42.7	242.5	62,500	160
165	33.3	221.2	61,200	36.9	229.7	62,100	40.2	236.7	59,900	165
170	30.2	212.9	58,500	34.0	222.4	59,500	37.5	230.3	57,400	170
175	26.6	203.2	55,800	31.0	214.3	57,100	34.7	223.2	55,100	175
180	22.6	191.9	53,400	27.5	205.0	54,800	31.7	215.3	52,900	180
185	17.7	177.6	51,100	23.7	194.1	52,700	28.4	206.3	50,800	185
190	10.7	156.4	48,900	19.0	180.7	50,600	24.6	195.9	48,800	190
195				12.8	162.1	48,600	20.2	183.2	46,900	195
200							14.5	166.2	45,100	200
205										205
210										210
215										215
220										220
225										225
230										230

MLC300 S-2

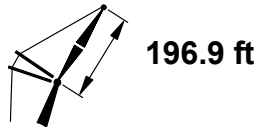
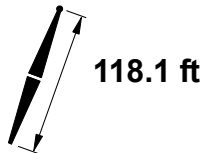
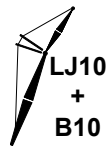
ASME B30.5



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.3	279.2	87,000							120
125	61.5	276.5	82,400							125
130	59.6	273.5	78,200							130
135	57.7	270.4	74,300							135
140	55.7	267.0	70,700							140
145	53.7	263.3	67,400	57.7	267.0	63,300				145
150	51.7	259.4	64,300	55.7	263.6	60,400				150
155	49.6	255.2	61,500	53.7	259.9	57,700				155
160	47.4	250.6	58,800	51.6	256.0	55,100				160
165	45.1	245.6	56,300	49.5	251.8	52,800	53.5	255.5	49,300	165
170	42.7	240.3	54,000	47.3	247.2	50,500	51.5	251.5	47,200	170
175	40.2	234.4	51,700	45.0	242.2	48,400	49.3	247.2	45,200	175
180	37.6	228.0	49,700	42.7	236.9	46,400	47.1	242.6	43,300	180
185	34.8	221.0	47,700	40.2	231.0	44,600	44.9	237.6	41,500	185
190	31.8	213.1	45,800	37.6	224.6	42,800	42.5	232.2	39,900	190
195	28.5	204.2	44,000	34.8	217.5	41,100	40.0	226.3	38,300	195
200	24.8	193.8	42,300	31.7	209.6	39,500	37.3	219.9	36,800	200
205	20.4	181.2	40,700	28.4	200.6	38,000	34.5	212.7	35,300	205
210	14.7	164.4	39,100	24.7	190.2	36,500	31.5	204.7	33,900	210
215	3.0	128.6	37,400	20.3	177.6	35,100	28.1	195.7	32,600	215
220				14.6	160.7	33,700	24.3	185.1	31,400	220
225				1.7	121.1	32,200	19.9	172.2	30,100	225
230							14.0	154.7	28,900	230

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	74.7	315.5	128,400							70
75	73.2	313.9	127,600							75
80	71.7	312.3	126,000							80
85	70.1	310.5	123,700							85
90	68.6	308.5	121,200	70.5	310.2	123,700				90
95	67.0	306.4	118,000	68.9	308.3	122,300				95
100	65.4	304.1	114,800	67.4	306.2	115,300				100
105	63.7	301.6	109,600	65.8	303.9	109,100	67.7	305.7	108,600	105
110	62.1	299.0	104,000	64.1	301.5	103,500	66.1	303.5	102,400	110
115	60.4	296.1	99,000	62.5	298.9	98,500	64.5	301.1	96,600	115
120	58.7	293.1	94,400	60.8	296.1	93,900	62.9	298.5	91,300	120
125	57.0	289.8	90,200	59.1	293.1	89,600	61.2	295.8	86,500	125
130	55.2	286.4	86,300	57.4	290.0	85,000	59.5	292.8	82,100	130
135	53.4	282.7	82,800	55.7	286.5	80,800	57.8	289.7	78,100	135
140	51.6	278.7	79,500	53.9	282.9	77,000	56.1	286.3	74,300	140
145	49.6	274.5	76,000	52.0	279.0	73,400	54.3	282.8	70,800	145
150	47.7	270.0	72,600	50.1	274.9	70,100	52.5	278.9	67,600	150
155	45.7	265.1	69,400	48.2	270.4	67,000	50.6	274.8	64,600	155
160	43.6	259.9	66,500	46.2	265.6	64,100	48.6	270.4	61,800	160
165	41.4	254.3	63,700	44.1	260.5	61,400	46.6	265.8	59,200	165
170	39.1	248.2	61,100	41.9	255.0	58,900	44.6	260.7	56,700	170
175	36.7	241.6	58,600	39.6	249.0	56,500	42.4	255.3	54,400	175
180	34.1	234.3	56,300	37.3	242.5	54,300	40.2	249.4	52,300	180
185	31.3	226.3	54,100	34.7	235.4	52,200	37.8	243.1	50,200	185
190	28.3	217.2	52,000	32.0	227.6	50,100	35.3	236.1	48,300	190
195	25.0	206.9	50,100	29.1	218.8	48,200	32.7	228.5	46,400	195
200	21.1	194.7	48,200	25.8	208.9	46,400	29.8	220.0	44,600	200
205	16.4	179.3	46,400	22.1	197.2	44,700	26.6	210.3	43,000	205
210	9.5	156.0	41,100	17.7	182.7	43,000	23.1	199.1	41,400	210
215				11.6	162.4	41,400	18.8	185.5	39,800	215
220							13.3	167.1	38,300	220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-2

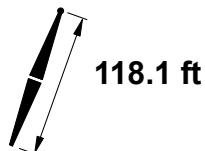
ASME B30.5



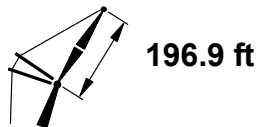
386,200 lb



360°



118.1 ft

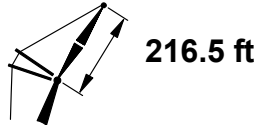
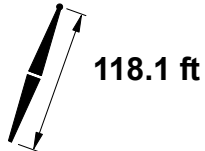
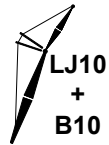


196.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	62.9	296.2	77,300							130
135	61.3	293.4	73,400							135
140	59.6	290.5	69,900							140
145	57.9	287.4	66,600							145
150	56.1	284.0	63,500							150
155	54.3	280.4	60,700	57.8	284.0	56,800				155
160	52.5	276.6	58,000	56.1	280.6	54,300				160
165	50.6	272.5	55,500	54.3	277.0	51,900				165
170	48.7	268.1	53,200	52.5	273.2	49,700				170
175	46.7	263.5	51,000	50.6	269.1	47,600				175
180	44.6	258.4	48,900	48.7	264.7	45,600	52.3	268.7	42,400	180
185	42.5	253.0	47,000	46.7	260.1	43,800	50.4	264.6	40,700	185
190	40.3	247.2	45,100	44.6	255.0	42,000	48.5	260.2	39,000	190
195	37.9	240.8	43,400	42.4	249.6	40,400	46.5	255.5	37,400	195
200	35.4	233.9	41,700	40.2	243.7	38,800	44.4	250.4	35,900	200
205	32.8	226.3	40,100	37.9	237.4	37,300	42.3	245.0	34,500	205
210	29.9	217.8	38,600	35.4	230.5	35,800	40.0	239.1	33,200	210
215	26.7	208.2	37,200	32.7	222.8	34,500	37.6	232.7	31,900	215
220	23.2	197.0	35,800	29.8	214.3	33,200	35.1	225.7	30,600	220
225	19.0	183.5	34,400	26.7	204.7	31,900	32.5	218.0	29,500	225
230	13.5	165.4	33,100	23.1	193.5	30,700	29.6	209.4	28,300	230
235				18.9	179.9	29,500	26.4	199.6	27,200	235
240				13.4	161.6	28,400	22.8	188.3	26,200	240
245							18.5	174.4	25,100	245
250							12.8	155.5	24,100	250

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
75	74.8	334.5	105,800						75	
80	73.4	333.0	105,100						80	
85	72.0	331.4	104,300						85	
90	70.6	329.6	103,400						90	
95	69.2	327.7	102,600	70.9	329.4	101,600			95	
100	67.7	325.7	101,700	69.5	327.5	101,000			100	
105	66.3	323.5	100,900	68.1	325.5	100,400			105	
110	64.8	321.1	100,000	66.7	323.3	99,700	68.4	324.9	97,400	110
115	63.4	318.6	97,700	65.2	321.0	98,800	67.0	322.8	95,500	115
120	61.9	315.9	94,700	63.7	318.5	93,500	65.5	320.5	90,200	120
125	60.3	313.1	90,500	62.2	315.9	88,500	64.1	318.1	85,400	125
130	58.8	310.1	86,600	60.7	313.1	84,000	62.6	315.5	81,000	130
135	57.2	306.8	82,700	59.2	310.1	79,800	61.1	312.7	76,900	135
140	55.6	303.4	78,700	57.6	306.9	76,000	59.5	309.8	73,200	140
145	54.0	299.8	75,100	56.0	303.6	72,400	58.0	306.7	69,700	145
150	52.3	295.9	71,600	54.4	300.0	69,100	56.4	303.4	66,500	150
155	50.6	291.9	68,500	52.7	296.2	66,000	54.8	299.8	63,500	155
160	48.9	287.5	65,500	51.0	292.2	63,100	53.1	296.1	60,800	160
165	47.0	282.9	62,700	49.3	287.9	60,400	51.4	292.1	58,100	165
170	45.2	277.9	60,100	47.5	283.3	57,900	49.7	287.9	55,700	170
175	43.3	272.7	57,700	45.7	278.5	55,500	47.9	283.4	53,400	175
180	41.3	267.0	55,400	43.7	273.3	53,300	46.1	278.6	51,200	180
185	39.2	260.9	53,200	41.8	267.7	51,200	44.2	273.5	49,200	185
190	37.0	254.4	51,200	39.7	261.8	49,200	42.2	268.0	47,200	190
195	34.7	247.3	49,200	37.6	255.3	47,300	40.2	262.2	45,400	195
200	32.3	239.5	47,400	35.3	248.4	45,500	38.1	255.9	43,700	200
205	29.6	230.9	45,600	32.9	240.8	43,800	35.8	249.0	42,000	205
210	26.8	221.3	43,900	30.3	232.4	42,200	33.5	241.6	40,400	210
215	23.6	210.3	42,300	27.5	223.0	40,600	30.9	233.4	38,900	215
220	19.9	197.2	40,800	24.4	212.4	39,200	28.2	224.3	37,500	220
225	15.3	180.7	39,000	20.8	199.9	37,700	25.1	214.0	36,100	225
230	8.4	155.2	33,300	16.5	184.5	36,300	21.7	202.1	34,800	230
235				10.5	162.5	35,000	17.6	187.5	33,500	235
240							12.2	167.7	32,300	240
245										245
250										250
255										255
260										260
265										265
270										270

MLC300 S-2

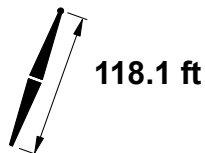
ASME B30.5



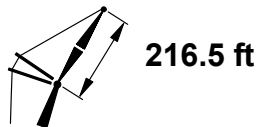
386,200 lb



360°



118.1 ft

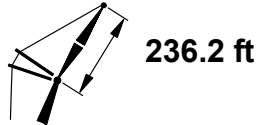
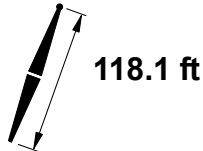
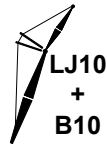


216.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	62.6	313.1	68,700							140
145	61.1	310.4	65,400							145
150	59.6	307.5	62,300							150
155	58.0	304.3	59,500							155
160	56.4	301.0	56,800							160
165	54.8	297.5	54,400	58.0	301.0	50,600				165
170	53.2	293.8	52,000	56.4	297.6	48,400				170
175	51.5	289.8	49,800	54.8	294.1	46,400				175
180	49.8	285.6	47,800	53.1	290.4	44,400				180
185	48.0	281.1	45,800	51.4	286.4	42,600				185
190	46.1	276.3	44,000	49.7	282.2	40,800	53.0	285.9	37,700	190
195	44.3	271.2	42,300	47.9	277.7	39,200	51.3	281.9	36,200	195
200	42.3	265.8	40,600	46.1	272.9	37,600	49.6	277.7	34,700	200
205	40.3	259.9	39,100	44.2	267.8	36,100	47.8	273.1	33,300	205
210	38.1	253.6	37,600	42.3	262.4	34,700	45.9	268.3	31,900	210
215	35.9	246.8	36,100	40.2	256.5	33,400	44.1	263.2	30,700	215
220	33.5	239.4	34,800	38.1	250.2	32,100	42.1	257.7	29,400	220
225	31.0	231.2	33,500	35.9	243.4	30,900	40.0	251.8	28,300	225
230	28.3	222.2	32,200	33.5	235.9	29,700	37.9	245.5	27,200	230
235	25.2	211.9	31,000	30.9	227.8	28,500	35.7	238.6	26,100	235
240	21.8	200.0	29,900	28.2	218.7	27,500	33.3	231.1	25,100	240
245	17.8	185.5	28,800	25.2	208.4	26,400	30.7	222.9	24,100	245
250	12.4	166.0	27,600	21.7	196.4	25,400	28.0	213.7	23,200	250
255				17.7	181.9	24,400	24.9	203.3	22,200	255
260				12.3	162.2	23,400	21.4	191.2	21,300	260
265							17.3	176.3	20,500	265
270							11.7	155.9	19,600	270

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
80	74.8	353.5	87,300						80	
85	73.5	352.1	86,500						85	
90	72.3	350.5	85,700						90	
95	71.0	348.7	84,900						95	
100	69.7	346.9	84,100	71.3	348.5	83,500			100	
105	68.4	344.9	83,200	70.0	346.6	82,800			105	
110	67.1	342.8	82,400	68.7	344.7	82,200			110	
115	65.7	340.5	81,600	67.4	342.6	81,500			115	
120	64.4	338.1	80,900	66.1	340.4	80,900	67.7	342.1	79,500	
125	63.0	335.6	80,100	64.7	338.0	80,200	66.4	339.9	79,000	
130	61.7	332.9	79,300	63.4	335.5	79,500	65.1	337.6	78,500	
135	60.3	330.0	78,400	62.0	332.9	78,900	63.7	335.1	76,000	
140	58.9	327.0	76,300	60.6	330.0	75,100	62.3	332.5	72,300	
145	57.4	323.8	74,200	59.2	327.1	71,500	60.9	329.7	68,800	
150	55.9	320.4	70,800	57.8	323.9	68,200	59.5	326.7	65,600	
155	54.5	316.9	67,600	56.3	320.6	65,100	58.1	323.6	62,600	
160	52.9	313.1	64,700	54.8	317.1	62,200	56.7	320.4	59,800	
165	51.4	309.1	61,900	53.3	313.4	59,600	55.2	316.9	57,200	
170	49.8	304.9	59,300	51.8	309.4	57,000	53.7	313.2	54,800	
175	48.2	300.5	56,900	50.2	305.3	54,700	52.1	309.3	52,500	
180	46.5	295.8	54,600	48.6	300.9	52,400	50.6	305.2	50,300	
185	44.8	290.8	52,400	46.9	296.2	50,300	49.0	300.9	48,300	
190	43.0	285.4	50,400	45.2	291.3	48,400	47.3	296.3	46,400	
195	41.2	279.8	48,400	43.5	286.1	46,500	45.6	291.5	44,500	
200	39.3	273.7	46,600	41.6	280.5	44,700	43.9	286.3	42,800	
205	37.3	267.2	44,800	39.8	274.5	43,000	42.1	280.8	41,200	
210	35.2	260.2	43,200	37.8	268.1	41,400	40.2	274.9	39,600	
215	33.0	252.7	41,600	35.7	261.3	39,900	38.3	268.7	38,100	
220	30.7	244.4	40,100	33.6	253.9	38,400	36.2	261.9	36,700	
225	28.1	235.3	38,600	31.3	245.8	37,000	34.1	254.6	35,300	
230	25.4	225.0	37,300	28.8	236.9	35,700	31.8	246.7	34,000	
235	22.3	213.4	35,900	26.1	227.0	34,400	29.4	238.0	32,800	
240	18.7	199.5	34,400	23.1	215.7	33,100	26.7	228.4	31,600	
245	14.3	181.8	32,200	19.7	202.4	31,900	23.8	217.4	30,400	
250	7.4	153.9	26,900	15.5	186.0	30,800	20.5	204.7	29,300	
255				9.6	162.1	29,100	16.6	189.2	28,200	
260							11.3	168.0	27,200	
265									265	
270									270	
275									275	
280									280	
285									285	
290									290	

MLC300 S-2

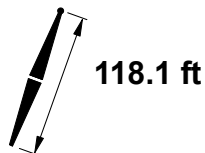
ASME B30.5



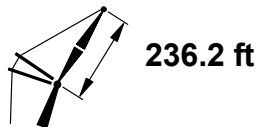
386,200 lb



360°



118.1 ft

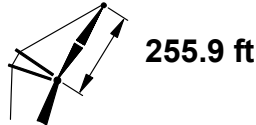
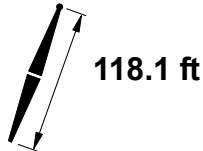
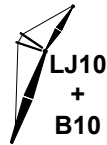


236.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.7	332.7	64,400							145
150	62.4	330.1	61,300							150
155	61.0	327.3	58,500							155
160	59.6	324.4	55,800							160
165	58.1	321.3	53,400							165
170	56.7	318.0	51,100							170
175	55.2	314.6	48,900	58.1	317.9	45,300				175
180	53.7	310.9	46,800	56.7	314.6	43,400				180
185	52.2	307.0	44,900	55.2	311.2	41,600				185
190	50.6	302.9	43,100	53.7	307.5	39,800				190
195	49.0	298.6	41,300	52.2	303.6	38,200				195
200	47.4	294.0	39,700	50.6	299.5	36,600	53.6	303.0	33,600	200
205	45.7	289.2	38,100	49.0	295.2	35,200	52.0	299.1	32,300	205
210	43.9	284.0	36,700	47.3	290.6	33,800	50.5	295.0	30,900	210
215	42.1	278.5	35,200	45.6	285.8	32,400	48.8	290.7	29,700	215
220	40.3	272.7	33,900	43.9	280.6	31,100	47.2	286.1	28,500	220
225	38.3	266.4	32,600	42.1	275.1	29,900	45.5	281.2	27,300	225
230	36.3	259.7	31,400	40.2	269.2	28,800	43.8	276.0	26,200	230
235	34.2	252.4	30,200	38.3	263.0	27,600	41.9	270.5	25,200	235
240	31.9	244.5	29,100	36.3	256.2	26,600	40.1	264.6	24,100	240
245	29.5	235.9	28,000	34.1	249.0	25,600	38.1	258.3	23,200	245
250	26.8	226.2	26,900	31.8	241.0	24,600	36.1	251.5	22,200	250
255	23.9	215.4	25,900	29.4	232.4	23,600	33.9	244.2	21,300	255
260	20.6	202.7	24,900	26.8	222.7	22,700	31.6	236.2	20,500	260
265	16.7	187.3	24,000	23.9	211.8	21,800	29.2	227.4	19,600	265
270	11.5	166.3	23,000	20.6	199.1	20,900	26.5	217.7	18,800	270
275				16.6	183.7	20,100	23.6	206.7	18,100	275
280				11.3	162.5	19,300	20.3	193.8	17,300	280
285							16.2	178.0	16,500	285
290							10.8	156.0	15,800	290

MLC300 S-2

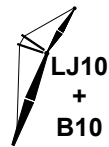
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
85	74.9	372.6	72,600						85	
90	73.7	371.1	71,800						90	
95	72.5	369.5	71,000						95	
100	71.3	367.8	70,200						100	
105	70.1	366.0	69,400	71.6	367.6	69,100			105	
110	68.9	364.1	68,600	70.4	365.8	68,400			110	
115	67.7	362.1	67,800	69.2	363.9	67,800			115	
120	66.5	359.9	67,000	68.0	361.9	67,100			120	
125	65.3	357.6	66,300	66.8	359.7	66,400	68.3	361.3	65,500	125
130	64.0	355.1	65,500	65.6	357.4	65,700	67.1	359.2	65,000	130
135	62.8	352.6	64,800	64.3	355.0	65,100	65.9	357.0	64,500	135
140	61.5	349.9	64,100	63.1	352.5	64,400	64.6	354.6	63,900	140
145	60.2	347.0	63,400	61.8	349.8	63,800	63.4	352.1	63,400	145
150	58.9	344.0	62,700	60.5	347.0	63,200	62.1	349.4	62,900	150
155	57.6	340.8	62,100	59.2	344.0	62,500	60.8	346.6	61,500	155
160	56.2	337.5	61,400	57.9	340.9	61,200	59.5	343.7	58,700	160
165	54.9	333.9	60,800	56.6	337.6	58,500	58.2	340.6	56,100	165
170	53.5	330.3	58,300	55.2	334.1	56,000	56.9	337.3	53,700	170
175	52.0	326.4	55,900	53.8	330.5	53,600	55.5	333.9	51,400	175
180	50.6	322.3	53,600	52.4	326.6	51,400	54.1	330.3	49,200	180
185	49.1	318.0	51,400	51.0	322.6	49,300	52.7	326.5	47,200	185
190	47.6	313.4	49,400	49.5	318.3	47,300	51.3	322.5	45,300	190
195	46.1	308.6	47,500	48.0	313.8	45,500	49.8	318.3	43,500	195
200	44.5	303.6	45,600	46.4	309.1	43,700	48.3	313.9	41,700	200
205	42.8	298.2	43,900	44.9	304.1	42,000	46.8	309.2	40,100	205
210	41.1	292.5	42,200	43.2	298.8	40,400	45.2	304.3	38,600	210
215	39.4	286.5	40,700	41.6	293.2	38,900	43.6	299.1	37,100	215
220	37.5	280.0	39,100	39.8	287.3	37,400	42.0	293.5	35,700	220
225	35.6	273.1	37,100	38.0	280.9	36,000	40.2	287.7	34,300	225
230	33.6	265.7	35,200	36.1	274.2	34,700	38.4	281.4	33,000	230
235	31.5	257.7	33,200	34.1	266.9	33,400	36.6	274.8	31,800	235
240	29.3	249.0	31,300	32.1	259.0	32,200	34.6	267.6	30,600	240
245	26.8	239.3	29,400	29.8	250.5	31,000	32.6	259.9	29,500	245
250	24.2	228.5	27,600	27.5	241.1	29,900	30.4	251.5	28,400	250
255	21.2	216.2	25,900	24.9	230.6	28,800	28.0	242.3	27,300	255
260	17.7	201.5	24,200	22.0	218.7	27,000	25.5	232.1	26,300	260
265	13.4	182.8	22,700	18.6	204.7	25,200	22.7	220.6	25,400	265
270	6.4	152.1	21,100	14.6	187.2	23,600	19.5	207.2	24,400	270
275				8.7	161.5	22,100	15.6	190.7	23,500	275
280							10.4	167.9	22,500	280
285										285
290										290
295										295
300										300
305										305
310										310

MLC300 S-2

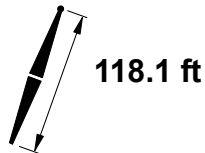
ASME B30.5



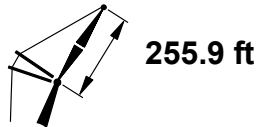
386,200 lb



360°



118.1 ft

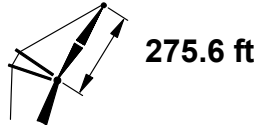
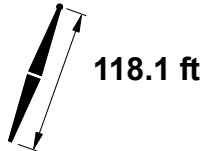
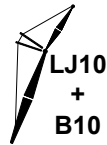


255.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	63.4	349.7	57,300							155
160	62.1	347.1	54,600							160
165	60.9	344.3	52,200							165
170	59.6	341.4	49,900							170
175	58.3	338.3	47,700							175
180	56.9	335.0	45,700							180
185	55.6	331.6	43,700	58.2	334.9	40,300				185
190	54.2	328.0	41,900	56.9	331.6	38,600				190
195	52.8	324.2	40,200	55.5	328.2	37,000				195
200	51.3	320.2	38,600	54.2	324.6	35,400				200
205	49.9	316.0	37,000	52.7	320.8	33,900				205
210	48.4	311.6	35,500	51.3	316.8	32,600				210
215	46.9	306.9	34,100	49.9	312.6	31,200	52.6	316.3	28,400	215
220	45.3	302.0	32,800	48.4	308.2	30,000	51.2	312.3	27,200	220
225	43.7	296.8	31,500	46.8	303.5	28,800	49.7	308.1	26,100	225
230	42.0	291.3	30,300	45.3	298.6	27,600	48.2	303.6	25,000	230
235	40.3	285.4	29,100	43.6	293.4	26,500	46.7	299.0	23,900	235
240	38.5	279.2	28,000	42.0	287.9	25,400	45.1	294.0	22,900	240
245	36.6	272.5	26,900	40.2	282.0	24,400	43.5	288.8	22,000	245
250	34.7	265.4	25,900	38.5	275.8	23,400	41.8	283.2	21,100	250
255	32.6	257.7	24,900	36.6	269.1	22,500	40.1	277.3	20,200	255
260	30.4	249.4	24,000	34.6	261.9	21,600	38.3	271.0	19,300	260
265	28.1	240.2	23,000	32.6	254.2	20,700	36.4	264.3	18,500	265
270	25.6	230.0	22,100	30.4	245.9	19,900	34.5	257.2	17,700	270
275	22.8	218.6	21,300	28.1	236.7	19,100	32.4	249.4	17,000	275
280	19.6	205.2	20,400	25.5	226.5	18,300	30.2	241.0	16,200	280
285	15.7	188.9	19,600	22.7	215.0	17,500	27.8	231.7	15,500	285
290	10.6	166.4	18,800	19.5	201.6	16,800	25.3	221.4	14,800	290
295				15.7	185.2	16,100	22.4	209.8	14,100	295
300				10.5	162.5	15,300	19.2	196.2	13,500	300
305							15.3	179.4	12,800	305
310							9.9	155.8	12,100	310

MLC300 S-2

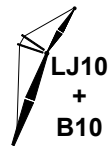
ASME B30.5



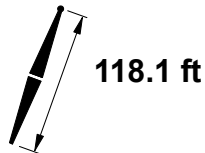
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
90	74.9	391.6	59,500						90	
95	73.8	390.2	58,800						95	
100	72.7	388.6	58,000						100	
105	71.6	386.9	57,300						105	
110	70.5	385.2	56,500	71.9	386.7	56,500			110	
115	69.4	383.3	55,800	70.8	384.9	55,900			115	
120	68.3	381.3	55,100	69.7	383.1	55,200			120	
125	67.2	379.2	54,400	68.6	381.1	54,600			125	
130	66.0	377.0	53,700	67.4	379.0	54,200	68.8	380.5	53,500	
135	64.9	374.6	53,000	66.3	376.8	53,400	67.7	378.5	52,900	
140	63.7	372.1	52,300	65.1	374.5	52,700	66.6	376.3	52,400	
145	62.5	369.5	51,700	64.0	372.1	52,100	65.4	374.0	51,900	
150	61.4	366.8	51,100	62.8	369.5	51,500	64.3	371.6	51,400	
155	60.2	363.9	50,500	61.6	366.8	50,900	63.1	369.1	50,800	
160	58.9	360.9	49,900	60.4	364.0	50,300	61.9	366.4	50,300	
165	57.7	357.8	49,300	59.2	361.0	49,800	60.7	363.6	49,800	
170	56.5	354.5	48,800	58.0	357.9	49,300	59.5	360.7	49,300	
175	55.2	351.0	48,300	56.8	354.6	48,700	58.3	357.6	48,800	
180	53.9	347.4	47,800	55.5	351.2	48,200	57.1	354.3	48,400	
185	52.6	343.5	47,300	54.2	347.6	47,800	55.8	350.9	46,300	
190	51.3	339.5	46,800	52.9	343.8	46,500	54.5	347.4	44,400	
195	49.9	335.4	46,400	51.6	339.8	44,600	53.2	343.7	42,600	
200	48.5	331.0	44,800	50.3	335.7	42,900	51.9	339.8	40,900	
205	47.1	326.3	43,100	48.9	331.3	41,200	50.6	335.7	39,300	
210	45.7	321.5	41,500	47.5	326.8	39,600	49.2	331.4	37,700	
215	44.2	316.3	39,900	46.0	322.0	38,100	47.8	326.8	36,200	
220	42.7	311.0	38,400	44.5	316.9	36,600	46.4	322.1	34,800	
225	41.1	305.3	37,000	43.0	311.6	35,200	44.9	317.1	33,500	
230	39.4	299.2	35,600	41.5	306.0	33,900	43.4	311.8	32,200	
235	37.8	292.8	34,300	39.9	300.0	32,600	41.8	306.3	31,000	
240	36.0	286.0	33,100	38.2	293.7	31,400	40.2	300.4	29,800	
245	34.2	278.7	31,900	36.4	287.0	30,300	38.6	294.2	28,700	
250	32.2	270.9	30,700	34.6	279.9	29,200	36.9	287.6	27,600	
255	30.2	262.5	29,600	32.7	272.2	28,100	35.1	280.6	26,600	
260	28.0	253.3	28,500	30.7	263.9	27,000	33.2	273.0	25,600	
265	25.7	243.1	27,500	28.6	254.9	26,100	31.2	264.9	24,600	
270	23.1	231.8	26,500	26.3	245.0	25,100	29.1	256.1	23,700	
275	20.2	218.8	25,200	23.7	234.0	24,200	26.8	246.4	22,800	
280	16.8	203.4	23,300	20.9	221.5	23,300	24.4	235.7	21,900	
285	12.6	183.4	20,600	17.7	206.7	22,400	21.6	223.6	21,100	
290	5.4	149.6	16,300	13.7	188.2	21,100	18.5	209.4	20,300	
295				7.8	160.4	18,700	14.8	192.0	19,400	
300							9.6	167.6	18,600	
305									305	
310									310	
315									315	
320									320	

MLC300 S-2

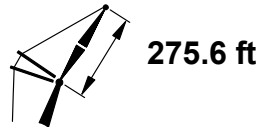
ASME B30.5



386,200 lb



118.1 ft

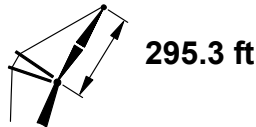
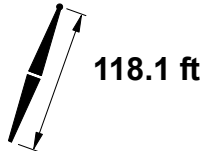
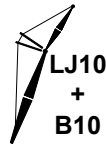


275.6 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	63.1	366.7	48,600							165
170	62.0	364.1	48,300							170
175	60.8	361.3	46,800							175
180	59.6	358.3	44,700							180
185	58.3	355.2	42,800							185
190	57.1	352.0	41,000							190
195	55.8	348.6	39,300	58.3	351.9	36,000				195
200	54.6	345.1	37,600	57.1	348.6	34,500				200
205	53.3	341.3	36,100	55.8	345.2	33,000				205
210	52.0	337.4	34,600	54.5	341.7	31,600				210
215	50.6	333.3	33,200	53.2	338.0	30,300				215
220	49.2	329.1	31,900	51.9	334.1	29,000				220
225	47.8	324.5	30,600	50.6	330.0	27,800	53.1	333.5	25,100	225
230	46.4	319.8	29,400	49.2	325.7	26,700	51.8	329.6	24,000	230
235	44.9	314.8	28,300	47.8	321.1	25,600	50.5	325.4	23,000	235
240	43.4	309.6	27,100	46.4	316.4	24,500	49.1	321.1	22,000	240
245	41.9	304.0	26,100	44.9	311.4	23,500	47.7	316.6	21,000	245
250	40.3	298.2	25,100	43.4	306.2	22,600	46.3	311.8	20,100	250
255	38.6	292.0	24,100	41.9	300.6	21,600	44.8	306.8	19,200	255
260	36.9	285.4	23,100	40.3	294.7	20,700	43.3	301.5	18,400	260
265	35.1	278.3	22,200	38.6	288.5	19,900	41.7	296.0	17,600	265
270	33.2	270.8	21,300	36.9	281.9	19,100	40.1	290.1	16,800	270
275	31.3	262.7	20,500	35.1	274.9	18,300	38.4	283.8	16,100	275
280	29.2	253.9	19,700	33.2	267.3	17,500	36.7	277.2	15,300	280
285	26.9	244.3	18,900	31.2	259.2	16,700	34.9	270.1	14,600	285
290	24.4	233.6	18,100	29.1	250.4	16,000	33.0	262.5	14,000	290
295	21.7	221.5	17,400	26.8	240.8	15,300	31.0	254.3	13,300	295
300	18.6	207.5	16,600	24.4	230.1	14,600	28.9	245.5	12,700	300
305	14.9	190.2	15,900	21.7	217.9	14,000	26.6	235.7	12,000	305
310	9.8	166.1	15,200	18.6	203.8	13,300	24.2	224.9	11,400	310
315				14.8	186.5	12,700				315
320				9.6	162.2	12,000				320

MLC300 S-2

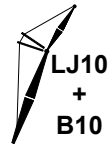
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
95	74.9	410.7	49,700						95	
100	73.9	409.2	49,000						100	
105	72.9	407.7	48,300						105	
110	71.9	406.0	47,600						110	
115	70.8	404.3	47,200						115	
120	69.8	402.5	46,200	71.1	404.0	46,400			120	
125	68.8	400.5	45,500	70.1	402.2	45,800			125	
130	67.7	398.5	45,000	69.0	400.3	45,200			130	
135	66.7	396.3	44,300	68.0	398.3	44,600			135	
140	65.6	394.0	43,700	66.9	396.1	44,000	68.2	397.7	43,800	140
145	64.5	391.6	43,100	65.9	393.9	43,400	67.2	395.6	43,300	145
150	63.4	389.1	42,500	64.8	391.5	42,800	66.1	393.4	42,800	150
155	62.3	386.5	41,900	63.7	389.1	42,300	65.0	391.1	42,300	155
160	61.2	383.8	41,400	62.6	386.5	41,800	64.0	388.6	41,800	160
165	60.1	380.9	40,800	61.5	383.7	41,200	62.9	386.1	41,300	165
170	59.0	377.9	40,300	60.4	380.9	40,700	61.8	383.4	40,800	170
175	57.8	374.8	39,800	59.3	377.9	40,200	60.6	380.6	40,800	175
180	56.7	371.5	39,300	58.1	374.8	39,800	59.5	377.6	39,900	180
185	55.5	368.0	38,900	57.0	371.6	39,300	58.4	374.5	39,500	185
190	54.3	364.4	38,400	55.8	368.2	38,900	57.2	371.3	39,000	190
195	53.1	360.7	38,000	54.6	364.6	38,400	56.1	368.0	38,600	195
200	51.9	356.8	37,600	53.4	360.9	38,000	54.9	364.5	38,200	200
205	50.6	352.7	37,200	52.2	357.0	37,600	53.7	360.8	37,800	205
210	49.3	348.4	36,800	50.9	353.0	37,200	52.4	356.9	36,600	210
215	48.0	343.9	36,400	49.6	348.8	36,800	51.2	352.9	35,200	215
220	46.7	339.2	36,100	48.3	344.3	35,600	49.9	348.7	33,800	220
225	45.3	334.3	35,800	47.0	339.7	34,200	48.6	344.4	32,400	225
230	43.9	329.1	34,600	45.7	334.8	32,900	47.3	339.8	31,100	230
235	42.5	323.7	33,300	44.3	329.7	31,600	46.0	335.0	29,900	235
240	41.0	318.0	32,100	42.9	324.4	30,400	44.6	329.9	28,800	240
245	39.5	312.0	30,900	41.4	318.7	29,300	43.2	324.6	27,600	245
250	37.9	305.6	29,700	39.9	312.8	28,100	41.7	319.0	26,600	250
255	36.3	298.9	28,600	38.3	306.5	27,100	40.2	313.2	25,500	255
260	34.6	291.7	27,600	36.7	299.9	26,100	38.7	307.0	24,500	260
265	32.8	284.1	26,600	35.0	292.8	25,100	37.1	300.4	23,600	265
270	31.0	275.9	25,600	33.3	285.3	24,100	35.4	293.5	22,700	270
275	29.0	267.0	24,600	31.4	277.2	23,200	33.7	286.1	21,800	275
280	26.9	257.4	23,700	29.5	268.5	22,300	31.9	278.1	20,900	280
285	24.6	246.7	22,800	27.4	259.1	21,500	30.0	269.6	20,100	285
290	22.1	234.9	21,700	25.2	248.7	20,600	27.9	260.4	19,300	290
295	19.3	221.2	20,100	22.8	237.2	19,800	25.7	250.2	18,500	295
300	16.0	205.0	18,300	20.0	224.1	19,000	23.4	239.0	17,800	300
305	11.8	183.9	15,600	16.9	208.6	18,200	20.7	226.3	17,000	305
310	4.4	146.2	11,600	13.0	189.0	16,400	17.7	211.5	16,300	310
315				7.0	159.0	14,200	14.0	193.1	15,600	315
320							8.8	167.0	14,200	320
325										325
330										330

MLC300 S-2

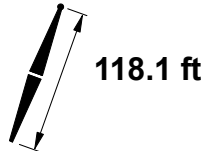
ASME B30.5



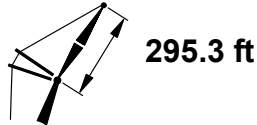
386,200 lb



360°



118.1 ft

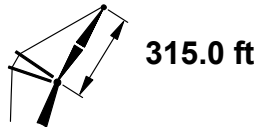
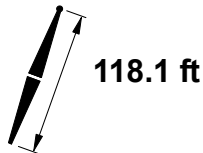
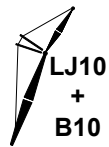


295.3 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	64.0	386.3	40,000							170
175	62.9	383.7	39,700							175
180	61.8	381.0	39,300							180
185	60.7	378.2	38,900							185
190	59.6	375.3	38,600							190
195	58.4	372.2	38,100							195
200	57.3	369.0	36,500							200
205	56.1	365.6	34,900	58.4	368.8	31,800				205
210	54.9	362.1	33,500	57.2	365.6	30,400				210
215	53.7	358.5	32,100	56.1	362.3	29,100				215
220	52.5	354.6	30,800	54.9	358.7	27,800				220
225	51.2	350.6	29,500	53.7	355.1	26,600				225
230	50.0	346.4	28,300	52.5	351.2	25,500				230
235	48.7	342.1	27,100	51.2	347.2	24,400	53.6	350.6	21,700	235
240	47.4	337.5	26,000	50.0	343.0	23,300	52.4	346.7	20,700	240
245	46.0	332.7	25,000	48.7	338.7	22,300	51.1	342.7	19,800	245
250	44.6	327.6	23,900	47.3	334.1	21,400	49.8	338.5	18,900	250
255	43.2	322.3	23,000	46.0	329.3	20,500	48.5	334.1	18,000	255
260	41.8	316.8	22,000	44.6	324.2	19,600	47.2	329.5	17,200	260
265	40.3	310.9	21,100	43.2	318.9	18,700	45.9	324.7	16,400	265
270	38.7	304.7	20,300	41.8	313.4	17,900	44.5	319.6	15,600	270
275	37.1	298.2	19,400	40.3	307.5	17,100	43.1	314.3	14,900	275
280	35.5	291.3	18,600	38.7	301.3	16,400	41.6	308.7	14,100	280
285	33.8	283.9	17,800	37.1	294.8	15,600	40.1	302.8	13,500	285
290	31.9	276.0	17,100	35.5	287.8	14,900	38.6	296.6	12,700	290
295	30.0	267.4	16,400	33.7	280.4	14,200	37.0	290.0	11,900	295
300	28.0	258.2	15,600	31.9	272.5	13,600	35.3	283.0	11,200	300
305	25.8	248.1	15,000	30.0	264.0	12,900				305
310	23.4	236.9	14,300	27.9	254.7	12,300				310
315	20.8	224.3	13,600	25.8	244.6	11,700				315
320	17.8	209.5	13,000	23.4	233.4	11,000				320
325	14.1	191.3	12,400							325
330	9.0	165.6	11,700							330

MLC300 S-2

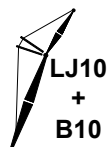
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
100	74.9	429.7	41,400							100
105	74.0	428.3	40,700							105
110	73.0	426.7	40,000							110
115	72.1	425.1	39,400							115
120	71.1	423.4	38,700							120
125	70.2	421.6	38,000	71.4	423.1	38,400				125
130	69.2	419.7	37,500	70.4	421.3	37,800				130
135	68.2	417.7	36,800	69.4	419.5	37,200				135
140	67.2	415.6	36,300	68.4	417.5	36,600				140
145	66.2	413.4	35,700	67.5	415.4	36,100	68.7	416.9	36,100	145
150	65.2	411.1	35,100	66.5	413.2	35,500	67.7	414.9	35,600	150
155	64.2	408.7	34,600	65.5	410.9	35,000	66.7	412.7	35,100	155
160	63.2	406.1	34,100	64.5	408.6	34,500	65.7	410.5	34,600	160
165	62.2	403.5	33,500	63.4	406.1	34,000	64.7	408.1	34,100	165
170	61.1	400.7	33,100	62.4	403.4	33,500	63.7	405.6	33,600	170
175	60.1	397.9	32,600	61.4	400.7	33,000	62.7	403.0	33,100	175
180	59.0	394.9	32,100	60.3	397.9	32,500	61.6	400.3	32,700	180
185	57.9	391.7	31,700	59.3	394.9	32,000	60.6	397.5	32,200	185
190	56.8	388.5	31,200	58.2	391.8	31,600	59.5	394.6	31,800	190
195	55.7	385.1	30,800	57.1	388.6	31,200	58.5	391.5	31,400	195
200	54.6	381.5	30,400	56.0	385.2	30,800	57.4	388.3	31,000	200
205	53.5	377.8	30,000	54.9	381.7	30,400	56.3	385.0	30,600	205
210	52.4	374.0	29,600	53.8	378.0	30,000	55.2	381.5	30,200	210
215	51.2	370.0	29,300	52.6	374.2	29,600	54.0	377.9	29,800	215
220	50.0	365.8	28,900	51.5	370.3	29,200	52.9	374.1	29,500	220
225	48.8	361.4	28,600	50.3	366.1	28,900	51.8	370.2	29,100	225
230	47.6	356.9	28,300	49.1	361.8	28,600	50.6	366.1	28,800	230
235	46.3	352.1	28,000	47.9	357.3	28,300	49.4	361.8	28,500	235
240	45.0	347.1	27,700	46.6	352.6	28,000	48.2	357.3	27,800	240
245	43.7	341.9	27,400	45.3	347.7	27,700	46.9	352.7	26,700	245
250	42.4	336.5	27,100	44.0	342.5	27,200	45.6	347.8	25,600	250
255	41.0	330.7	26,900	42.7	337.1	26,200	44.3	342.7	24,600	255
260	39.6	324.7	26,600	41.3	331.5	25,100	43.0	337.4	23,600	260
265	38.1	318.4	25,700	39.9	325.5	24,200	41.7	331.8	22,700	265
270	36.6	311.7	24,700	38.5	319.3	23,200	40.3	325.9	21,700	270
275	35.0	304.7	23,800	37.0	312.7	22,300	38.8	319.8	20,900	275
280	33.4	297.2	22,900	35.4	305.7	21,400	37.3	313.2	20,000	280
285	31.6	289.1	22,000	33.8	298.3	20,600	35.8	306.4	19,200	285
290	29.8	280.6	21,100	32.1	290.5	19,800	34.2	299.1	18,400	290
295	27.9	271.3	20,300	30.3	282.0	19,000	32.5	291.3	17,600	295
300	25.9	261.2	18,100	28.4	272.9	18,200	30.7	283.0	16,900	300
305	23.7	250.1	15,600	26.4	263.1	17,500	28.9	274.1	16,200	305
310	21.2	237.7	13,300				26.9	264.4	15,500	310
315							24.8	253.9	14,800	315
320							22.4	242.1	14,100	320
325							19.8	228.8	13,500	325
330										330

MLC300 S-2

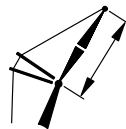
ASME B30.5



386,200 lb



118.1 ft

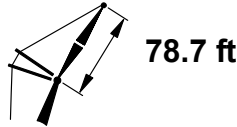
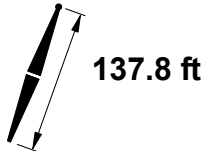
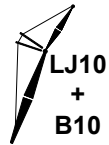


315.0 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180	63.7	403.3	32,400				180
185	62.7	400.7	32,000				185
190	61.6	398.0	31,600				190
195	60.6	395.2	31,200				195
200	59.6	392.2	30,900				200
205	58.5	389.2	30,500				205
210	57.4	386.0	30,200				210
215	56.3	382.6	29,900	58.5	385.8	28,000	215
220	55.2	379.2	29,500	57.4	382.6	26,800	220
225	54.1	375.6	28,500	56.3	379.3	25,600	225
230	52.9	371.8	27,300	55.2	375.8	24,400	230
235	51.8	367.9	26,100	54.1	372.2	23,400	235
240	50.6	363.8	25,000	52.9	368.4	22,300	240
245	49.4	359.5	24,000	51.8	364.5	21,300	245
250	48.2	355.0	23,000	50.6	360.4	20,400	250
255	47.0	350.4	22,000	49.4	356.1	19,400	255
260	45.7	345.5	21,100	48.2	351.6	18,600	260
265	44.4	340.4	20,200	46.9	347.0	17,700	265
270	43.1	335.1	19,300	45.7	342.1	16,900	270
275	41.7	329.5	18,500	44.4	337.0	16,100	275
280	40.3	323.7	17,700	43.0	331.7	15,400	280
285	38.9	317.5	16,900	41.7	326.1	14,600	285
290	37.4	311.0	16,100	40.3	320.2	13,900	290
295	35.8	304.1	15,400	38.8	314.1	13,200	295
300	34.2	296.9	14,700	37.3	307.6	12,500	300
305	32.5	289.1	14,000	35.8	300.7	11,800	305
310	30.8	280.9	13,400	34.2	293.4	11,100	310
315	28.9	272.0	12,800				315
320	26.9	262.3	12,100				320
325	24.8	251.8	11,500				325
330	22.5	240.1	10,900				330

MLC300 S-2

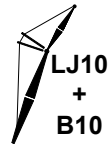
ASME B30.5



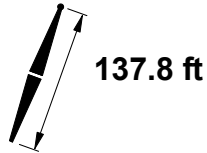
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	74.9	221.2	312,000 d							40
45	71.0	219.5	291,800 c							45
50	67.1	217.4	263,600 b							50
55	63.0	214.8	233,200 b	68.9	217.6	232,000 c				55
60	58.8	211.8	209,100	64.9	215.2	208,000 b				60
65	54.3	208.2	189,500	60.7	212.4	188,500	66.7	215.1	187,500 b	65
70	49.5	204.0	173,300	56.3	209.1	172,400	62.6	212.5	171,400 b	70
75	44.4	199.0	159,600	51.7	205.2	158,700	58.3	209.5	157,900	75
80	38.7	192.9	147,900	46.8	200.6	147,100	53.8	205.8	146,300	80
85	32.0	185.3	137,800	41.3	195.0	137,100	49.0	201.5	136,300	85
90	23.7	175.0	128,900	35.2	188.2	128,300	43.8	196.4	127,600	90
95	8.8	155.2	121,200	27.8	179.3	120,500	38.0	190.2	119,900	95
100				17.4	165.9	113,700	31.2	182.4	113,100	100
105							22.6	171.6	107,000	105
110										110
115										115
120										120
125										125
130										130
135										135
140										140

MLC300 S-2

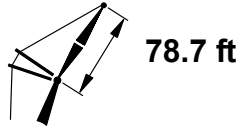
ASME B30.5



386,200 lb



137.8 ft



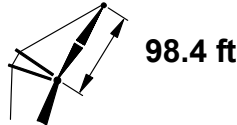
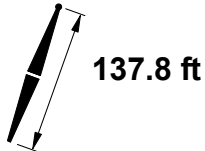
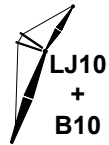
78.7 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	59.9	207.8	135,100							85
90	55.5	204.4	126,500							90
95	50.8	200.4	118,900							95
100	45.7	195.6	112,100	56.8	201.7	106,800				100
105	40.2	189.8	106,100	52.3	197.9	100,400				105
110	33.8	182.7	100,200	47.3	193.3	94,600				110
115	26.1	173.2	94,500	42.0	187.9	89,300	53.3	194.0	84,000	115
120	14.4	158.0	89,200	35.9	181.2	84,500	48.5	189.6	79,500	120
125				28.7	172.6	80,000	43.3	184.4	75,300	125
130				18.8	160.1	75,800	37.4	178.1	71,500	130
135							30.5	170.1	67,900	135
140							21.5	158.8	64,600	140

REFERENCE ONLY

MLC300 S-2

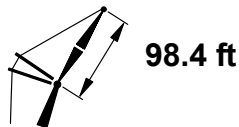
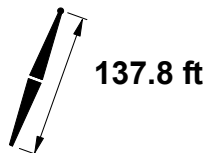
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
45	75.0	240.3	262,900 c						45	
50	71.9	238.6	257,300 b						50	
55	68.8	236.7	234,200 b						55	
60	65.6	234.4	210,000	70.2	236.8	208,800 b			60	
65	62.3	231.8	190,300	67.0	234.7	189,300			65	
70	58.9	228.8	174,000	63.8	232.2	173,000	68.4	234.5	172,100 b	70
75	55.4	225.3	160,200	60.5	229.4	159,400	65.2	232.2	158,500	75
80	51.7	221.4	148,500	57.0	226.1	147,700	61.9	229.5	146,900	80
85	47.8	216.9	138,300	53.4	222.4	137,600	58.5	226.4	136,900	85
90	43.6	211.8	129,500	49.6	218.2	128,800	55.0	222.9	128,100	90
95	39.0	205.7	121,700	45.5	213.4	121,000	51.3	219.0	120,400	95
100	33.9	198.5	114,800	41.1	207.8	114,200	47.3	214.4	113,500	100
105	28.0	189.6	108,600	36.3	201.1	108,000	43.1	209.2	107,400	105
110	20.4	177.6	103,000	30.8	193.1	102,500	38.5	203.0	101,900	110
115	5.5	152.5	98,000	24.1	182.8	97,500	33.3	195.7	97,000	115
120				14.5	167.1	93,000	27.2	186.5	92,500	120
125							19.4	173.9	88,400	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-2

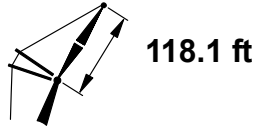
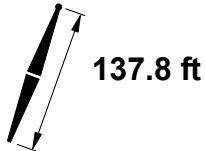
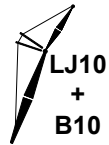
ASME B30.5



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	63.2	227.7	127,000							90
95	59.8	224.8	119,300							95
100	56.3	221.5	112,200							100
105	52.6	217.7	105,500							105
110	48.8	213.3	99,400	57.4	218.7	93,400				110
115	44.7	208.4	93,900	53.8	215.1	88,200				115
120	40.2	202.6	88,800	50.0	210.9	83,500				120
125	35.3	195.7	84,200	46.0	206.1	79,200				125
130	29.6	187.3	80,000	41.6	200.6	75,200	50.9	207.1	70,400	130
135	22.6	176.3	76,000	36.9	194.1	71,500	46.9	202.5	67,000	135
140	11.6	158.2	72,200	31.5	186.3	68,100	42.7	197.2	63,800	140
145				24.9	176.3	64,900	38.0	190.9	60,800	145
150				15.9	161.6	61,800	32.8	183.4	58,000	150
155							26.6	174.1	55,400	155
160							18.4	160.9	52,800	160

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
55	72.5	257.7	223,100 b						55	
60	69.9	255.9	210,600						60	
65	67.3	253.8	190,800	71.1	256.0	189,800			65	
70	64.6	251.4	174,500	68.5	254.0	173,500			70	
75	61.8	248.7	160,700	65.8	251.7	159,800			75	
80	59.0	245.7	148,900	63.1	249.2	148,100	67.0	251.6	147,300	80
85	56.1	242.4	138,700	60.3	246.3	138,000	64.3	249.2	137,200	85
90	53.1	238.7	129,800	57.4	243.1	129,100	61.5	246.4	128,400	90
95	49.9	234.5	122,000	54.4	239.6	121,400	58.7	243.4	120,700	95
100	46.6	229.8	115,100	51.3	235.6	114,500	55.8	240.0	113,800	100
105	43.0	224.5	108,900	48.1	231.2	108,300	52.7	236.2	107,700	105
110	39.3	218.5	103,300	44.7	226.2	102,800	49.5	232.0	102,200	110
115	35.1	211.6	98,300	41.0	220.5	97,800	46.2	227.2	97,200	115
120	30.5	203.4	93,700	37.0	214.0	93,200	42.6	221.9	92,700	120
125	25.0	193.3	89,600	32.6	206.5	89,100	38.8	215.8	88,600	125
130	17.9	179.6	85,700	27.6	197.3	85,300	34.6	208.7	84,600	130
135				21.4	185.6	81,800	29.9	200.4	80,500	135
140				12.3	167.6	78,600	24.3	190.0	76,700	140
145							17.0	175.7	73,100	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-2

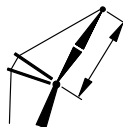
ASME B30.5



386,200 lb



137.8 ft

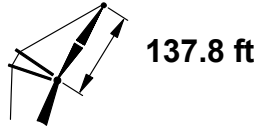
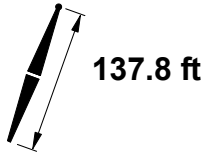
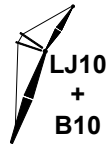


118.1 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.5	244.7	111,400							100
105	59.7	241.7	104,700							105
110	56.8	238.5	98,700							110
115	53.8	234.9	93,200							115
120	50.7	230.8	88,200	57.7	235.7	82,600				120
125	47.4	226.2	83,700	54.8	232.2	78,400				125
130	44.0	221.1	79,500	51.7	228.3	74,400				130
135	40.2	215.3	75,600	48.5	223.9	70,800				135
140	36.2	208.6	72,100	45.1	218.9	67,500	52.4	224.4	62,900	140
145	31.7	200.8	68,800	41.4	213.4	64,300	49.2	220.1	60,000	145
150	26.5	191.3	65,600	37.5	207.0	61,400	45.9	215.3	57,300	150
155	20.0	178.8	62,700	33.1	199.5	58,700	42.3	209.9	54,700	155
160	9.4	157.7	59,800	28.2	190.6	56,200	38.4	203.7	52,400	160
165				22.2	179.3	53,700	34.2	196.6	50,100	165
170				13.7	162.5	51,400	29.4	188.1	48,000	170
175							23.7	177.4	46,000	175
180							16.1	162.5	44,000	180

MLC300 S-2

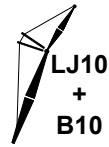
ASME B30.5



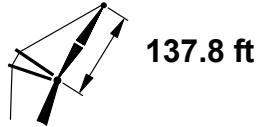
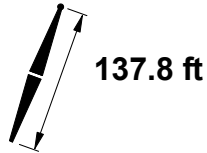
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	72.9	276.8	191,200							60
65	70.7	275.1	182,900							65
70	68.5	273.1	174,900	71.7	275.1	174,200				70
75	66.2	270.9	161,300	69.5	273.2	160,400				75
80	63.9	268.4	149,500	67.2	271.1	148,700				80
85	61.5	265.7	139,300	64.9	268.7	138,500	68.2	270.9	137,700	85
90	59.1	262.7	130,300	62.6	266.1	129,600	65.9	268.6	128,900	90
95	56.6	259.4	122,500	60.2	263.3	121,800	63.6	266.1	121,100	95
100	54.0	255.8	115,500	57.7	260.1	114,900	61.2	263.4	114,300	100
105	51.4	251.8	109,300	55.2	256.7	108,700	58.8	260.4	108,100	105
110	48.6	247.4	103,700	52.6	252.9	103,100	56.3	257.0	102,600	110
115	45.7	242.6	98,700	49.9	248.7	98,100	53.7	253.4	97,600	115
120	42.7	237.3	94,100	47.0	244.0	93,600	51.1	249.4	92,900	120
125	39.4	231.3	89,900	44.1	238.9	89,400	48.3	244.9	88,100	125
130	35.9	224.5	86,100	40.9	233.2	85,600	45.4	240.1	83,700	130
135	32.1	216.8	82,500	37.5	226.9	82,100	42.3	234.6	79,700	135
140	27.8	207.6	79,300	33.9	219.6	78,900	39.0	228.6	75,900	140
145	22.7	196.4	76,300	29.8	211.1	75,300	35.5	221.7	72,500	145
150	16.0	181.2	73,500	25.1	201.0	71,900	31.6	213.8	69,200	150
155				19.3	188.0	68,700	27.2	204.5	66,200	155
160				10.5	167.5	65,700	22.0	193.0	63,300	160
165							15.1	177.0	60,600	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-2

ASME B30.5



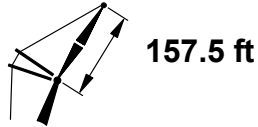
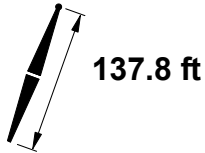
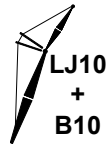
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.1	261.6	97,400							110
115	59.7	258.7	92,000							115
120	57.2	255.5	87,000							120
125	54.7	252.0	82,500							125
130	52.0	248.1	78,400	58.0	252.7	73,200				130
135	49.3	243.8	74,600	55.5	249.3	69,600				135
140	46.5	239.1	71,100	52.9	245.5	66,300				140
145	43.5	233.9	67,800	50.2	241.3	63,200				145
150	40.3	228.1	64,800	47.4	236.8	60,300	53.5	241.6	56,000	150
155	36.8	221.5	61,900	44.4	231.7	57,700	50.8	237.5	53,500	155
160	33.1	214.0	59,300	41.3	226.1	55,200	48.0	233.1	51,200	160
165	28.9	205.3	56,800	37.9	219.8	52,800	45.1	228.1	49,000	165
170	24.1	194.8	54,400	34.3	212.6	50,600	42.0	222.6	46,900	170
175	17.9	180.9	52,100	30.3	204.3	48,500	38.7	216.5	45,000	175
180	7.5	156.4	49,900	25.7	194.4	46,600	35.2	209.6	43,100	180
185				20.0	181.8	44,700	31.2	201.6	41,400	185
190				11.8	162.9	42,800	26.8	192.1	39,700	190
195							21.5	180.3	38,100	195
200							14.2	163.6	36,500	200

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	73.2	295.9	157,500							65
70	71.3	294.2	151,100							70
75	69.3	292.3	144,900							75
80	67.4	290.2	138,900	70.2	292.4	148,600				80
85	65.4	287.9	133,200	68.2	290.4	139,000				85
90	63.3	285.4	127,500	66.3	288.2	130,100				90
95	61.2	282.7	121,900	64.2	285.7	122,300	67.1	288.0	121,600	95
100	59.1	279.7	115,900	62.2	283.1	115,300	65.1	285.7	114,700	100
105	57.0	276.4	109,700	60.1	280.2	109,100	63.1	283.1	108,500	105
110	54.7	272.9	104,100	57.9	277.1	103,500	61.0	280.3	102,600	110
115	52.4	269.1	99,000	55.7	273.7	98,500	58.9	277.3	96,900	115
120	50.1	264.9	94,400	53.5	270.0	93,900	56.7	274.1	91,700	120
125	47.6	260.4	90,200	51.1	266.0	89,700	54.5	270.5	86,900	125
130	45.1	255.4	86,400	48.7	261.7	85,800	52.2	266.6	82,500	130
135	42.4	250.0	82,800	46.2	256.9	81,700	49.8	262.4	78,500	135
140	39.5	244.0	79,300	43.6	251.7	77,800	47.3	257.9	74,800	140
145	36.5	237.4	75,700	40.8	246.0	74,200	44.8	252.9	71,300	145
150	33.3	229.9	72,200	37.9	239.7	70,900	42.1	247.4	68,100	150
155	29.7	221.4	69,000	34.8	232.6	67,800	39.2	241.3	65,200	155
160	25.6	211.4	65,800	31.3	224.6	64,900	36.2	234.6	62,400	160
165	20.8	199.2	62,900	27.5	215.3	62,200	32.9	227.1	59,700	165
170	14.4	182.3	60,100	23.1	204.3	59,600	29.2	218.4	57,300	170
175				17.6	190.0	57,200	25.1	208.2	54,900	175
180				9.0	166.9	54,800	20.2	195.6	52,700	180
185							13.5	177.9	50,600	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-2

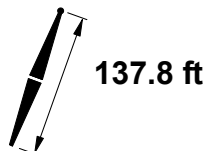
ASME B30.5



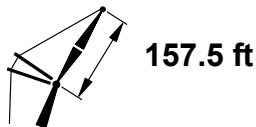
386,200 lb



360°



137.8 ft

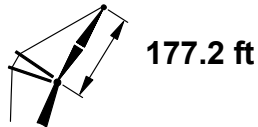
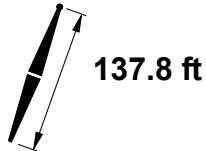
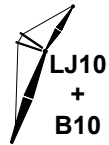


157.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.8	281.3	90,600							115
120	61.8	278.6	85,700							120
125	59.7	275.7	81,200							125
130	57.5	272.5	77,000							130
135	55.3	269.0	73,300							135
140	53.0	265.3	69,800	58.2	269.7	64,800				140
145	50.7	261.2	66,500	56.0	266.3	61,800				145
150	48.3	256.8	63,500	53.7	262.6	58,900				150
155	45.7	251.9	60,700	51.4	258.7	56,300				155
160	43.1	246.6	58,100	49.0	254.3	53,800				160
165	40.3	240.8	55,600	46.5	249.6	51,500	52.0	254.8	47,500	165
170	37.3	234.4	53,300	43.9	244.5	49,300	49.6	250.6	45,500	170
175	34.1	227.1	51,100	41.2	238.8	47,300	47.1	246.0	43,600	175
180	30.6	218.9	49,000	38.2	232.6	45,400	44.5	240.9	41,800	180
185	26.7	209.4	47,100	35.1	225.6	43,500	41.8	235.4	40,000	185
190	22.1	197.8	45,200	31.7	217.7	41,800	38.9	229.3	38,400	190
195	16.3	182.5	43,400	27.9	208.6	40,100	35.9	222.5	36,900	195
200	5.7	154.1	41,600	23.6	197.8	38,600	32.5	214.8	35,400	200
205				18.3	184.0	37,000	28.9	206.1	34,000	205
210				10.3	162.8	35,500	24.7	195.7	32,700	210
215							19.6	182.8	31,400	215
220							12.6	164.2	30,100	220

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	73.4	315.0	141,100							70
75	71.7	313.3	136,400							75
80	70.0	311.5	131,100							80
85	68.3	309.5	125,800	70.8	311.5	134,200				85
90	66.5	307.3	120,700	69.0	309.6	129,100				90
95	64.7	304.9	115,700	67.3	307.5	122,700				95
100	62.9	302.4	111,000	65.5	305.2	115,700	68.1	307.3	114,900	100
105	61.0	299.6	106,300	63.7	302.7	109,500	66.3	305.1	107,800	105
110	59.2	296.6	101,900	61.9	300.1	103,900	64.5	302.7	101,500	110
115	57.2	293.4	97,500	60.0	297.2	98,800	62.7	300.1	95,700	115
120	55.3	290.0	93,400	58.1	294.1	94,200	60.8	297.3	90,500	120
125	53.3	286.2	89,300	56.2	290.7	89,300	59.0	294.3	85,800	125
130	51.2	282.2	85,400	54.2	287.1	84,800	57.0	291.1	81,400	130
135	49.1	277.9	81,600	52.1	283.3	80,700	55.1	287.6	77,400	135
140	46.8	273.3	78,000	50.0	279.1	76,800	53.0	283.8	73,700	140
145	44.5	268.2	74,500	47.8	274.6	73,300	51.0	279.8	70,300	145
150	42.2	262.8	71,200	45.6	269.7	70,000	48.8	275.4	67,100	150
155	39.6	256.8	68,000	43.2	264.5	66,900	46.6	270.7	64,100	155
160	37.0	250.2	65,000	40.8	258.7	64,100	44.3	265.6	61,400	160
165	34.1	243.0	62,100	38.2	252.5	61,400	41.9	260.1	58,800	165
170	31.0	234.9	59,300	35.4	245.6	58,800	39.3	254.1	56,300	170
175	27.7	225.7	56,700	32.5	237.9	56,500	36.7	247.5	54,000	175
180	23.8	214.8	54,200	29.2	229.2	54,200	33.8	240.2	51,900	180
185	19.2	201.5	51,800	25.6	219.1	52,100	30.7	232.0	49,800	185
190	13.0	183.1	49,600	21.4	207.1	50,100	27.2	222.6	47,900	190
195				16.1	191.6	48,100	23.3	211.5	46,000	195
200				7.6	165.6	46,200	18.6	197.8	44,300	200
205							12.1	178.4	42,500	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240

MLC300 S-2

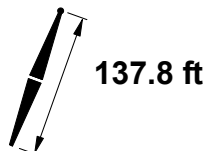
ASME B30.5



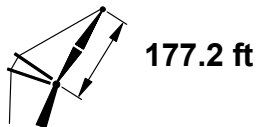
386,200 lb



360°



137.8 ft

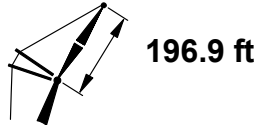
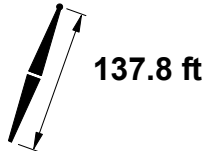
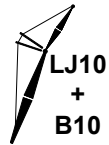


177.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.4	298.3	79,900							125
130	61.5	295.5	75,800							130
135	59.6	292.6	72,000							135
140	57.7	289.5	68,500							140
145	55.8	286.1	65,300							145
150	53.8	282.4	62,300	58.3	286.6	57,600				150
155	51.7	278.5	59,500	56.4	283.3	55,000				155
160	49.6	274.3	56,900	54.4	279.7	52,600				160
165	47.4	269.7	54,500	52.4	275.9	50,300				165
170	45.1	264.7	52,200	50.3	271.8	48,100				170
175	42.8	259.4	50,000	48.1	267.3	46,100	52.8	272.0	42,200	175
180	40.3	253.6	48,000	45.8	262.5	44,200	50.8	267.9	40,500	180
185	37.7	247.2	46,100	43.5	257.3	42,400	48.6	263.6	38,800	185
190	34.9	240.1	44,300	41.1	251.6	40,700	46.4	258.8	37,200	190
195	31.9	232.3	42,500	38.5	245.4	39,100	44.1	253.7	35,700	195
200	28.6	223.3	40,900	35.7	238.5	37,500	41.6	248.1	34,200	200
205	24.8	213.0	39,300	32.8	231.0	36,100	39.1	242.1	32,900	205
210	20.5	200.4	37,800	29.6	222.4	34,700	36.4	235.4	31,600	210
215	14.8	183.8	36,300	26.0	212.5	33,300	33.5	228.0	30,300	215
220	3.7	149.8	34,800	21.9	200.8	32,000	30.4	219.7	29,100	220
225				16.8	185.8	30,800	26.9	210.1	28,000	225
230				9.0	162.2	29,500	22.9	198.9	26,900	230
235							18.1	184.9	25,800	235
240							11.3	164.5	24,700	240

MLC300 S-2

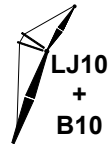
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75	73.6	334.0	119,200							75
80	72.1	332.4	118,600							80
85	70.5	330.6	117,900							85
90	69.0	328.7	117,200	71.2	330.6	115,800				90
95	67.4	326.6	115,800	69.7	328.8	115,500				95
100	65.8	324.4	112,800	68.1	326.8	115,200				100
105	64.2	321.9	109,900	66.5	324.6	109,800	68.8	326.5	106,900	105
110	62.6	319.3	104,700	64.9	322.2	104,100	67.2	324.4	100,600	110
115	60.9	316.6	99,600	63.3	319.7	98,900	65.6	322.1	94,900	115
120	59.2	313.6	95,000	61.6	317.0	93,500	64.0	319.7	89,700	120
125	57.5	310.4	90,700	60.0	314.1	88,600	62.4	317.1	84,900	125
130	55.7	307.0	86,900	58.3	311.1	84,100	60.7	314.3	80,600	130
135	53.9	303.4	83,300	56.5	307.7	79,900	59.0	311.3	76,600	135
140	52.1	299.5	79,300	54.7	304.2	76,100	57.3	308.0	72,900	140
145	50.2	295.3	75,700	52.9	300.5	72,600	55.5	304.6	69,500	145
150	48.2	290.9	72,300	51.0	296.4	69,300	53.7	301.0	66,300	150
155	46.2	286.1	69,100	49.1	292.1	66,200	51.9	297.0	63,400	155
160	44.1	281.0	66,100	47.1	287.5	63,400	50.0	292.9	60,600	160
165	42.0	275.5	63,400	45.1	282.5	60,700	48.0	288.4	58,000	165
170	39.7	269.5	60,800	43.0	277.2	58,200	46.0	283.6	55,600	170
175	37.3	263.1	58,300	40.7	271.5	55,800	43.9	278.4	53,400	175
180	34.8	256.0	56,000	38.4	265.2	53,600	41.7	272.9	51,200	180
185	32.1	248.2	53,900	36.0	258.5	51,500	39.5	266.9	49,200	185
190	29.2	239.5	51,800	33.3	251.0	49,500	37.1	260.3	47,300	190
195	25.9	229.5	49,800	30.5	242.7	47,600	34.5	253.2	45,400	195
200	22.3	217.9	48,000	27.4	233.4	45,800	31.8	245.3	43,700	200
205	17.8	203.6	46,200	24.0	222.6	44,100	28.8	236.4	42,100	205
210	11.8	183.6	42,600	20.0	209.7	42,500	25.6	226.4	40,500	210
215				14.9	192.9	40,900	21.8	214.5	39,000	215
220				6.2	163.7	38,700	17.3	199.8	37,500	220
225							11.0	178.6	36,100	225
230										230
235										235
240										240
245										245
250										250
255										255
260										260

MLC300 S-2

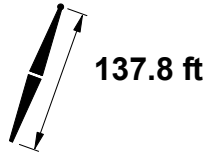
ASME B30.5



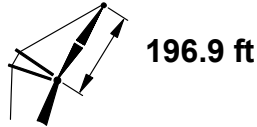
386,200 lb



360°



137.8 ft

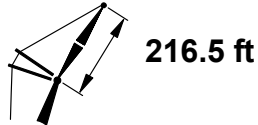
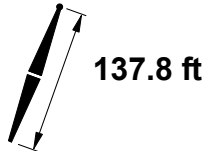
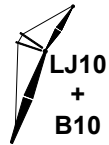


196.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.0	315.2	71,100							135
140	61.3	312.5	67,600							140
145	59.6	309.6	64,400							145
150	57.9	306.4	61,400							150
155	56.2	303.1	58,700							155
160	54.4	299.5	56,100	58.4	303.6	51,600				160
165	52.5	295.7	53,700	56.7	300.3	49,300				165
170	50.7	291.6	51,400	54.9	296.8	47,200				170
175	48.7	287.2	49,200	53.1	293.1	45,200				175
180	46.7	282.6	47,200	51.2	289.1	43,300				180
185	44.7	277.6	45,300	49.3	284.8	41,500	53.5	289.1	37,800	185
190	42.5	272.1	43,500	47.4	280.2	39,800	51.7	285.2	36,200	190
195	40.3	266.3	41,800	45.3	275.3	38,200	49.8	281.0	34,700	195
200	37.9	260.0	40,200	43.2	270.0	36,700	47.8	276.5	33,300	200
205	35.5	253.1	38,700	41.0	264.3	35,300	45.8	271.7	32,000	205
210	32.8	245.5	37,200	38.7	258.2	33,900	43.7	266.5	30,700	210
215	30.0	237.0	35,800	36.2	251.4	32,600	41.5	260.9	29,500	215
220	26.8	227.4	34,400	33.6	244.1	31,300	39.2	254.8	28,300	220
225	23.3	216.3	33,100	30.9	235.9	30,100	36.8	248.2	27,200	225
230	19.1	202.8	31,900	27.8	226.7	29,000	34.3	241.0	26,100	230
235	13.6	184.8	30,700	24.4	216.1	27,900	31.5	233.0	25,100	235
240				20.4	203.4	26,800	28.5	224.1	24,100	240
245				15.5	187.2	25,700	25.2	213.9	23,100	245
250				7.7	161.0	24,700	21.4	201.8	22,200	250
255							16.8	186.7	21,300	255
260							10.1	164.3	20,400	260

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
80	73.8	353.1	99,100						80	
85	72.4	351.5	98,400						85	
90	71.0	349.7	97,700						90	
95	69.6	347.9	97,000	71.6	349.7	96,000			95	
100	68.1	345.9	96,300	70.2	347.9	95,600			100	
105	66.7	343.7	95,600	68.8	346.0	95,100			105	
110	65.2	341.4	94,900	67.4	343.9	94,700			110	
115	63.8	338.9	94,200	65.9	341.7	94,200	68.0	343.7	91,800	115
120	62.3	336.3	93,500	64.4	339.3	92,400	66.5	341.5	88,500	120
125	60.8	333.5	90,800	63.0	336.7	87,500	65.1	339.2	83,800	125
130	59.2	330.5	86,600	61.4	334.0	83,000	63.6	336.7	79,400	130
135	57.7	327.4	82,300	59.9	331.1	78,900	62.1	334.0	75,500	135
140	56.1	324.0	78,300	58.4	328.0	75,100	60.6	331.2	71,800	140
145	54.4	320.5	74,700	56.8	324.8	71,500	59.0	328.2	68,400	145
150	52.8	316.7	71,300	55.2	321.3	68,200	57.5	325.0	65,200	150
155	51.1	312.6	68,100	53.5	317.6	65,200	55.9	321.6	62,300	155
160	49.3	308.4	65,200	51.8	313.7	62,300	54.3	318.1	59,500	160
165	47.5	303.8	62,400	50.1	309.5	59,700	52.6	314.2	57,000	165
170	45.7	299.0	59,800	48.4	305.1	57,200	50.9	310.2	54,500	170
175	43.8	293.8	57,400	46.5	300.4	54,800	49.1	305.9	52,300	175
180	41.8	288.2	55,100	44.7	295.4	52,600	47.3	301.3	50,100	180
185	39.8	282.3	52,900	42.7	290.0	50,500	45.5	296.4	48,100	185
190	37.6	275.9	50,900	40.7	284.2	48,600	43.6	291.2	46,200	190
195	35.4	268.9	49,000	38.6	278.0	46,700	41.6	285.6	44,400	195
200	33.0	261.4	47,100	36.4	271.3	44,900	39.5	279.6	42,700	200
205	30.4	253.0	45,400	34.1	264.0	43,200	37.4	273.2	41,100	205
210	27.6	243.7	43,700	31.6	256.1	41,600	35.1	266.1	39,500	210
215	24.5	233.1	42,100	28.9	247.2	40,100	32.7	258.5	38,100	215
220	20.9	220.7	40,600	25.9	237.2	38,600	30.1	250.0	36,700	220
225	16.7	205.4	38,600	22.6	225.7	37,200	27.3	240.6	35,300	225
230	10.8	183.7	35,300	18.7	211.9	35,800	24.1	229.8	34,000	230
235				13.8	193.9	34,500	20.5	217.2	32,700	235
240				4.9	160.6	31,800	16.1	201.4	31,500	240
245							9.9	178.4	30,300	245
250										250
255										255
260										260
265										265
270										270
275										275
280										280

MLC300 S-2

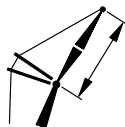
ASME B30.5



386,200 lb



137.8 ft

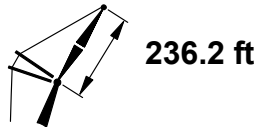
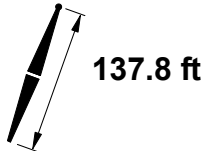
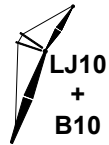


216.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	62.7	332.2	63,200							145
150	61.1	329.5	60,200							150
155	59.6	326.5	57,400							155
160	58.1	323.4	54,900							160
165	56.5	320.1	52,400							165
170	54.9	316.6	50,200	58.5	320.6	45,900				170
175	53.2	312.9	48,100	57.0	317.3	43,900				175
180	51.5	308.9	46,000	55.4	313.9	42,000				180
185	49.8	304.7	44,200	53.7	310.2	40,300				185
190	48.0	300.2	42,400	52.0	306.3	38,600				190
195	46.2	295.4	40,700	50.3	302.2	37,000				195
200	44.3	290.3	39,100	48.6	297.8	35,500	52.4	302.4	32,000	200
205	42.3	284.9	37,500	46.7	293.1	34,100	50.7	298.3	30,700	205
210	40.3	279.1	36,100	44.9	288.1	32,700	49.0	294.0	29,400	210
215	38.2	272.8	34,700	42.9	282.8	31,400	47.2	289.4	28,200	215
220	35.9	266.0	33,400	40.9	277.1	30,200	45.3	284.5	27,000	220
225	33.6	258.6	32,100	38.8	270.9	29,000	43.4	279.2	25,900	225
230	31.0	250.4	30,900	36.6	264.3	27,900	41.4	273.6	24,900	230
235	28.3	241.4	29,800	34.3	257.1	26,800	39.3	267.6	23,900	235
240	25.3	231.1	28,600	31.8	249.2	25,700	37.2	261.1	22,900	240
245	21.9	219.3	27,600	29.2	240.4	24,700	34.9	254.0	22,000	245
250	17.9	204.9	26,500	26.3	230.6	23,800	32.4	246.3	21,100	250
255	12.6	185.5	25,500	23.0	219.3	22,800	29.8	237.7	20,200	255
260				19.2	205.8	21,900	27.0	228.2	19,400	260
265				14.4	188.4	21,000	23.8	217.3	18,600	265
270				6.6	159.3	20,100	20.1	204.4	17,800	270
275							15.6	188.2	17,000	275
280							9.1	163.8	16,200	280

MLC300 S-2

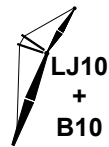
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85	73.9	372.1	82,200							85
90	72.6	370.6	81,600							90
95	71.3	368.9	80,900							95
100	70.1	367.0	80,200	71.9	368.8	79,500				100
105	68.8	365.1	79,500	70.6	367.1	79,000				105
110	67.4	363.0	78,900	69.3	365.2	78,500				110
115	66.1	360.8	78,200	68.0	363.2	78,000				115
120	64.8	358.4	77,500	66.7	361.0	77,500	68.6	362.9	75,800	120
125	63.4	355.9	76,800	65.4	358.7	77,000	67.3	360.8	75,500	125
130	62.0	353.3	76,200	64.0	356.3	76,400	66.0	358.6	75,200	130
135	60.7	350.5	75,500	62.7	353.7	75,900	64.6	356.2	74,500	135
140	59.2	347.5	74,900	61.3	351.0	74,100	63.3	353.7	70,800	140
145	57.8	344.4	73,200	59.9	348.1	70,600	61.9	351.0	67,400	145
150	56.4	341.0	70,400	58.5	345.0	67,300	60.5	348.2	64,300	150
155	54.9	337.5	67,300	57.0	341.7	64,300	59.1	345.2	61,300	155
160	53.4	333.8	64,300	55.5	338.3	61,500	57.6	342.0	58,600	160
165	51.8	329.9	61,600	54.0	334.7	58,800	56.2	338.7	56,000	165
170	50.2	325.7	59,000	52.5	330.9	56,300	54.7	335.1	53,600	170
175	48.6	321.4	56,600	51.0	326.8	54,000	53.2	331.4	51,400	175
180	47.0	316.7	54,300	49.4	322.6	51,800	51.6	327.5	49,200	180
185	45.3	311.8	52,100	47.7	318.0	49,700	50.1	323.3	47,200	185
190	43.5	306.6	50,100	46.0	313.2	47,700	48.5	318.9	45,300	190
195	41.7	301.0	48,200	44.3	308.1	45,800	46.8	314.2	43,500	195
200	39.8	295.1	46,300	42.5	302.7	44,100	45.1	309.2	41,800	200
205	37.9	288.7	44,600	40.7	297.0	42,400	43.3	304.0	40,200	205
210	35.8	281.8	42,900	38.8	290.8	40,800	41.5	298.4	38,700	210
215	33.6	274.4	41,400	36.7	284.2	39,300	39.6	292.4	37,200	215
220	31.3	266.4	39,900	34.6	277.0	37,800	37.6	286.0	35,800	220
225	28.9	257.5	38,400	32.4	269.3	36,500	35.6	279.1	34,500	225
230	26.2	247.6	37,000	30.0	260.8	35,100	33.4	271.6	33,200	230
235	23.2	236.4	35,700	27.4	251.4	33,900	31.1	263.4	32,000	235
240	19.8	223.2	34,300	24.6	240.8	32,600	28.6	254.5	30,800	240
245	15.6	206.9	31,800	21.4	228.6	31,400	25.9	244.5	29,700	245
250	9.8	183.4	28,900	17.6	213.9	30,300	22.8	233.0	28,600	250
255				12.8	194.6	29,100	19.4	219.6	27,500	255
260				3.3	155.8	25,800	15.1	202.8	26,500	260
265							8.9	177.8	25,500	265
270										270
275										275
280										280
285										285
290										290
295										295
300										300

MLC300 S-2

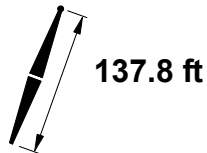
ASME B30.5



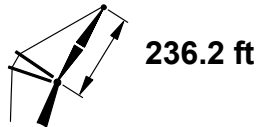
386,200 lb



360°



137.8 ft

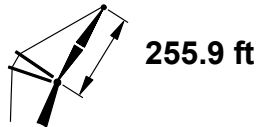
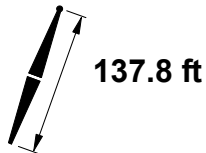
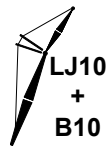


236.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.8	351.8	59,200							150
155	62.4	349.2	56,400							155
160	61.0	346.4	53,800							160
165	59.6	343.5	51,400							165
170	58.2	340.4	49,200							170
175	56.7	337.1	47,100							175
180	55.3	333.6	45,100	58.6	337.5	41,000				180
185	53.7	330.0	43,200	57.2	334.3	39,200				185
190	52.2	326.1	41,400	55.7	330.9	37,600				190
195	50.6	322.0	39,700	54.2	327.3	36,000				195
200	49.0	317.7	38,100	52.7	323.5	34,500				200
205	47.4	313.1	36,600	51.1	319.5	33,100				205
210	45.7	308.3	35,200	49.5	315.2	31,700	53.0	319.6	28,400	210
215	44.0	303.1	33,800	47.9	310.7	30,400	51.5	315.6	27,200	215
220	42.2	297.7	32,500	46.2	306.0	29,200	49.9	311.4	26,000	220
225	40.3	291.8	31,200	44.5	300.9	28,000	48.3	307.0	24,900	225
230	38.4	285.6	30,000	42.7	295.5	26,900	46.6	302.3	23,900	230
235	36.3	278.8	28,900	40.9	289.8	25,800	44.9	297.3	22,900	235
240	34.2	271.6	27,800	39.0	283.7	24,800	43.2	292.0	21,900	240
245	31.9	263.7	26,700	37.0	277.1	23,800	41.3	286.4	21,000	245
250	29.5	255.0	25,700	34.9	270.0	22,900	39.4	280.3	20,100	250
255	26.9	245.4	24,700	32.6	262.4	22,000	37.4	273.9	19,300	255
260	24.0	234.6	23,800	30.3	254.0	21,100	35.4	266.9	18,500	260
265	20.7	222.0	22,900	27.7	244.7	20,200	33.2	259.4	17,700	265
270	16.8	206.7	22,000	24.9	234.3	19,400	30.8	251.2	16,900	270
275	11.6	185.8	21,100	21.8	222.3	18,600	28.3	242.1	16,200	275
280				18.1	207.9	17,800	25.6	232.0	15,500	280
285				13.4	189.4	17,100	22.5	220.4	14,800	285
290				5.4	156.7	16,200	19.0	206.7	14,100	290
295							14.6	189.4	13,400	295
300							8.1	162.9	12,700	300

MLC300 S-2

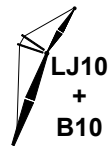
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
90	74.0	391.2	68,700							90
95	72.8	389.6	68,000							95
100	71.7	388.0	67,400							100
105	70.5	386.2	66,700							105
110	69.3	384.3	66,000	71.0	386.2	65,700				110
115	68.1	382.3	65,400	69.8	384.3	65,200				115
120	66.8	380.1	64,700	68.6	382.4	64,700				120
125	65.6	377.9	64,000	67.4	380.3	64,100				125
130	64.4	375.5	63,400	66.2	378.1	63,600	67.9	380.1	62,500	130
135	63.1	372.9	62,700	64.9	375.8	63,000	66.7	377.9	62,100	135
140	61.8	370.2	62,100	63.7	373.3	62,500	65.5	375.6	61,700	140
145	60.6	367.4	61,500	62.4	370.7	61,900	64.2	373.2	61,300	145
150	59.3	364.5	60,900	61.1	367.9	61,400	63.0	370.6	60,900	150
155	57.9	361.3	60,300	59.8	365.0	60,800	61.7	368.0	60,200	155
160	56.6	358.0	59,700	58.5	361.9	60,300	60.4	365.1	57,400	160
165	55.2	354.6	59,200	57.2	358.7	57,700	59.1	362.1	54,900	165
170	53.9	350.9	58,000	55.9	355.3	55,200	57.8	359.0	52,500	170
175	52.4	347.1	55,600	54.5	351.8	52,900	56.4	355.7	50,200	175
180	51.0	343.1	53,300	53.1	348.0	50,700	55.1	352.2	48,100	180
185	49.5	338.8	51,100	51.7	344.1	48,600	53.7	348.5	46,100	185
190	48.0	334.3	49,100	50.2	339.9	46,700	52.3	344.7	44,200	190
195	46.5	329.6	47,200	48.7	335.6	44,800	50.8	340.6	42,400	195
200	44.9	324.6	45,400	47.2	330.9	43,000	49.4	336.3	40,700	200
205	43.3	319.3	43,600	45.6	326.1	41,400	47.9	331.8	39,100	205
210	41.6	313.7	42,000	44.0	320.9	39,800	46.3	327.1	37,600	210
215	39.9	307.8	40,400	42.4	315.5	38,300	44.7	322.0	36,100	215
220	38.1	301.5	38,900	40.7	309.7	36,800	43.1	316.7	34,800	220
225	36.2	294.7	37,500	38.9	303.6	35,500	41.4	311.1	33,400	225
230	34.2	287.5	35,500	37.0	297.0	34,100	39.7	305.1	32,200	230
235	32.1	279.6	33,600	35.1	290.0	32,900	37.9	298.8	31,000	235
240	29.9	271.1	31,700	33.1	282.4	31,700	36.0	291.9	29,800	240
245	27.5	261.7	29,900	30.9	274.2	30,500	34.0	284.6	28,700	245
250	24.9	251.3	28,100	28.6	265.2	29,400	31.9	276.7	27,600	250
255	22.1	239.4	26,400	26.1	255.3	28,300	29.7	268.1	26,600	255
260	18.7	225.5	24,700	23.4	244.1	27,300	27.3	258.6	25,600	260
265	14.7	208.2	23,100	20.3	231.3	26,100	24.6	248.0	24,600	265
270	8.9	182.9	21,700	16.6	215.7	24,500	21.7	236.0	23,700	270
275				11.9	195.1	22,900	18.3	221.8	22,800	275
280							14.2	203.9	21,900	280
285							8.0	176.8	21,000	285
290										290
295										295
300										300
305										305
310										310

MLC300 S-2

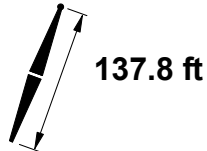
ASME B30.5



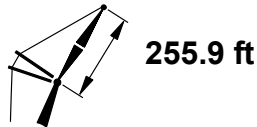
386,200 lb



360°



137.8 ft

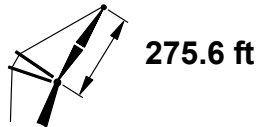
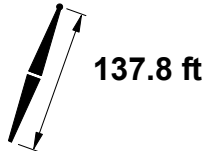
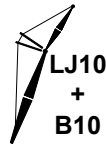


255.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.4	368.8	52,600							160
165	62.2	366.1	50,200							165
170	60.9	363.4	47,900							170
175	59.6	360.4	45,800							175
180	58.3	357.3	43,800							180
185	56.9	354.1	42,000							185
190	55.6	350.7	40,200	58.7	354.5	36,300				190
195	54.2	347.1	38,500	57.4	351.3	34,700				195
200	52.8	343.3	36,900	56.0	347.9	33,200				200
205	51.4	339.3	35,400	54.6	344.4	31,800				205
210	49.9	335.1	34,000	53.2	340.6	30,500				210
215	48.4	330.7	32,600	51.8	336.7	29,200				215
220	46.9	326.0	31,300	50.4	332.6	28,000	53.6	336.7	24,700	220
225	45.3	321.1	30,100	48.9	328.2	26,800	52.1	332.8	23,600	225
230	43.7	315.9	28,900	47.4	323.7	25,700	50.7	328.8	22,600	230
235	42.0	310.4	27,800	45.8	318.8	24,600	49.2	324.5	21,600	235
240	40.3	304.6	26,700	44.2	313.7	23,600	47.7	319.9	20,700	240
245	38.5	298.3	25,600	42.6	308.3	22,700	46.2	315.2	19,800	245
250	36.7	291.7	24,600	40.8	302.6	21,700	44.6	310.1	18,900	250
255	34.7	284.6	23,700	39.1	296.5	20,800	42.9	304.8	18,000	255
260	32.7	276.9	22,800	37.2	290.0	20,000	41.2	299.1	17,200	260
265	30.5	268.5	21,900	35.3	283.0	19,100	39.5	293.1	16,500	265
270	28.2	259.4	21,000	33.3	275.5	18,300	37.7	286.7	15,700	270
275	25.6	249.3	20,200	31.2	267.3	17,500	35.8	279.8	15,000	275
280	22.8	237.8	19,300	28.9	258.5	16,800	33.8	272.5	14,300	280
285	19.6	224.5	18,600	26.4	248.7	16,100	31.7	264.5	13,600	285
290	15.8	208.2	17,800	23.7	237.7	15,400	29.4	255.8	13,000	290
295	10.7	185.9	17,000	20.7	225.0	14,700	27.0	246.2	12,300	295
300				17.1	209.8	14,000	24.4	235.5	11,600	300
305				12.5	190.0	13,300	21.4	223.3	10,900	305
310				4.1	153.0	12,600				310

MLC300 S-2

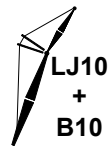
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
95	74.1	410.2	56,700							95
100	73.0	408.7	56,000							100
105	71.9	407.1	55,400							105
110	70.8	405.3	54,700							110
115	69.7	403.5	54,100	71.3	405.3	54,100				115
120	68.6	401.5	53,500	70.2	403.5	53,500				120
125	67.5	399.4	52,800	69.1	401.6	53,000				125
130	66.3	397.2	52,200	68.0	399.6	52,400				130
135	65.2	394.9	51,600	66.8	397.4	51,900	68.5	399.3	51,300	135
140	64.0	392.5	51,000	65.7	395.2	51,400	67.3	397.2	50,900	140
145	62.9	389.9	50,400	64.5	392.8	50,800	66.2	395.0	50,400	145
150	61.7	387.2	49,900	63.4	390.3	50,300	65.1	392.7	50,000	150
155	60.5	384.4	49,300	62.2	387.6	49,800	63.9	390.2	49,600	155
160	59.3	381.4	48,800	61.0	384.9	49,300	62.7	387.6	49,100	160
165	58.1	378.3	48,300	59.8	382.0	48,800	61.5	384.9	48,700	165
170	56.8	375.0	47,800	58.6	378.9	48,300	60.4	382.1	48,300	170
175	55.5	371.6	47,300	57.4	375.7	47,800	59.1	379.1	47,800	175
180	54.3	368.0	46,800	56.1	372.4	47,300	57.9	376.0	47,200	180
185	53.0	364.2	46,400	54.8	368.8	46,900	56.7	372.7	45,200	185
190	51.6	360.3	45,900	53.6	365.2	45,800	55.4	369.2	43,300	190
195	50.3	356.2	45,500	52.2	361.3	44,000	54.1	365.6	41,600	195
200	48.9	351.8	44,600	50.9	357.2	42,200	52.8	361.8	39,900	200
205	47.5	347.3	42,800	49.5	353.0	40,500	51.5	357.9	38,300	205
210	46.1	342.5	41,200	48.1	348.5	39,000	50.1	353.7	36,700	210
215	44.6	337.4	39,600	46.7	343.8	37,500	48.8	349.3	35,300	215
220	43.1	332.1	38,100	45.3	338.9	36,000	47.4	344.7	33,900	220
225	41.5	326.5	36,700	43.8	333.7	34,700	45.9	339.9	32,600	225
230	39.9	320.6	35,400	42.2	328.2	33,300	44.4	334.9	31,300	230
235	38.2	314.3	34,100	40.6	322.5	32,100	42.9	329.5	30,100	235
240	36.5	307.6	32,800	39.0	316.3	30,900	41.3	323.9	29,000	240
245	34.7	300.4	31,600	37.3	309.8	29,700	39.7	317.9	27,900	245
250	32.8	292.8	30,500	35.5	302.9	28,600	38.0	311.6	26,800	250
255	30.8	284.5	29,400	33.6	295.5	27,600	36.3	304.8	25,800	255
260	28.6	275.5	28,300	31.7	287.5	26,600	34.5	297.6	24,800	260
265	26.3	265.7	27,300	29.6	278.9	25,600	32.6	289.9	23,900	265
270	23.8	254.7	26,300	27.4	269.4	24,600	30.5	281.6	22,900	270
275	21.0	242.2	24,600	25.0	259.0	23,700	28.4	272.5	22,100	275
280	17.8	227.6	22,700	22.3	247.2	22,800	26.1	262.5	21,200	280
285	13.9	209.2	20,800	19.3	233.7	22,000	23.5	251.4	20,400	285
290	8.1	181.9	18,400	15.8	217.3	20,700	20.7	238.7	19,600	290
295				11.1	195.3	18,600	17.4	223.8	18,800	295
300							13.3	204.8	18,000	300
305							7.1	175.4	16,400	305
310										310
315										315

MLC300 S-2

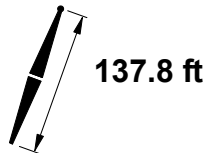
ASME B30.5



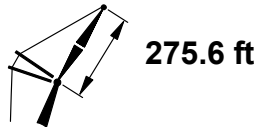
386,200 lb



360°



137.8 ft

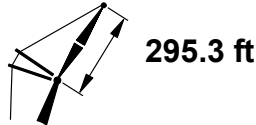
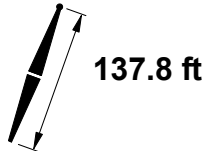
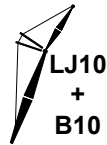


275.6 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	63.2	385.8	46,700							170
175	62.0	383.1	44,900							175
180	60.8	380.3	42,900							180
185	59.6	377.4	41,000							185
190	58.4	374.3	39,300							190
195	57.1	371.1	37,600							195
200	55.9	367.7	36,000	58.7	371.4	32,200				200
205	54.6	364.1	34,500	57.5	368.3	30,800				205
210	53.3	360.4	33,100	56.3	364.9	29,500				210
215	52.0	356.5	31,700	55.0	361.4	28,200				215
220	50.6	352.4	30,400	53.7	357.8	27,000				220
225	49.3	348.2	29,200	52.4	353.9	25,900				225
230	47.9	343.6	28,000	51.1	349.9	24,800	54.0	353.8	21,600	230
235	46.4	338.9	26,900	49.7	345.7	23,700	52.7	350.0	20,600	235
240	45.0	333.9	25,800	48.3	341.2	22,700	51.4	346.0	19,700	240
245	43.5	328.7	24,800	46.9	336.6	21,700	50.0	341.9	18,800	245
250	41.9	323.2	23,800	45.4	331.7	20,800	48.6	337.5	17,900	250
255	40.3	317.3	22,800	43.9	326.5	19,900	47.2	332.9	17,100	255
260	38.7	311.1	21,900	42.4	321.1	19,100	45.8	328.0	16,300	260
265	36.9	304.5	21,000	40.8	315.3	18,200	44.3	322.9	15,500	265
270	35.1	297.5	20,200	39.2	309.2	17,400	42.8	317.5	14,800	270
275	33.3	290.0	19,300	37.5	302.8	16,700	41.2	311.9	14,000	275
280	31.3	281.9	18,600	35.7	295.9	15,900	39.6	305.9	13,200	280
285	29.2	273.1	17,800	33.9	288.5	15,200	37.9	299.5	12,500	285
290	26.9	263.5	17,000	31.9	280.6	14,500	36.1	292.7	11,700	290
295	24.5	252.8	16,300	29.9	272.1	13,900	34.3	285.5	11,000	295
300	21.8	240.8	15,600	27.6	262.7	13,200				300
305	18.7	226.8	14,900	25.3	252.4	12,600				305
310	15.0	209.6	14,200	22.6	240.8	12,000				310
315	9.9	185.7	13,600	19.7	227.5	11,300				315

MLC300 S-2

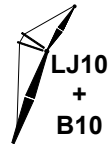
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
100	74.2	429.3	47,400						100	
105	73.2	427.8	46,800						105	
110	72.1	426.1	46,200						110	
115	71.1	424.4	45,600						115	
120	70.1	422.6	45,000	71.6	424.4	45,100			120	
125	69.0	420.7	44,400	70.6	422.6	44,600			125	
130	68.0	418.7	43,800	69.5	420.8	44,100			130	
135	66.9	416.5	43,300	68.5	418.8	43,500			135	
140	65.9	414.3	42,700	67.4	416.7	43,000	68.9	418.5	42,700	
145	64.8	411.9	42,200	66.4	414.5	42,500	67.9	416.4	42,200	
150	63.7	409.5	41,600	65.3	412.2	42,000	66.8	414.3	41,800	
155	62.6	406.9	41,100	64.2	409.8	41,500	65.8	412.1	41,400	
160	61.5	404.2	40,600	63.1	407.3	41,000	64.7	409.7	40,900	
165	60.4	401.3	40,100	62.0	404.6	40,500	63.6	407.2	40,500	
170	59.3	398.4	39,600	60.9	401.8	40,100	62.5	404.6	40,100	
175	58.1	395.3	39,100	59.8	398.9	39,600	61.4	401.9	39,700	
180	57.0	392.0	38,700	58.7	395.9	39,200	60.3	399.0	39,300	
185	55.8	388.6	38,200	57.5	392.7	38,700	59.2	396.0	38,900	
190	54.6	385.1	37,800	56.3	389.4	38,300	58.0	392.9	38,500	
195	53.4	381.4	37,400	55.2	385.9	37,900	56.9	389.7	38,100	
200	52.2	377.5	37,000	54.0	382.3	37,500	55.7	386.3	37,700	
205	50.9	373.5	36,600	52.7	378.5	37,100	54.5	382.7	37,300	
210	49.7	369.2	36,300	51.5	374.5	36,800	53.3	379.0	35,600	
215	48.4	364.8	35,900	50.3	370.4	36,400	52.1	375.1	34,200	
220	47.1	360.2	35,600	49.0	366.0	35,000	50.8	371.0	32,800	
225	45.7	355.3	35,300	47.7	361.5	33,600	49.5	366.8	31,500	
230	44.3	350.2	34,400	46.3	356.7	32,300	48.2	362.3	30,200	
235	42.9	344.9	33,100	44.9	351.7	31,100	46.9	357.7	29,000	
240	41.4	339.2	31,800	43.5	346.5	29,900	45.6	352.8	27,900	
245	39.9	333.3	30,600	42.1	341.0	28,700	44.2	347.6	26,800	
250	38.4	327.0	29,500	40.6	335.2	27,600	42.7	342.3	25,700	
255	36.8	320.4	28,400	39.1	329.1	26,600	41.3	336.6	24,700	
260	35.1	313.4	27,400	37.5	322.6	25,600	39.8	330.6	23,700	
265	33.3	305.9	26,300	35.9	315.8	24,600	38.2	324.3	22,800	
270	31.5	297.8	25,400	34.1	308.5	23,600	36.6	317.7	21,900	
275	29.6	289.2	24,400	32.3	300.7	22,700	34.9	310.6	21,000	
280	27.5	279.7	23,500	30.4	292.3	21,900	33.1	303.0	20,200	
285	25.3	269.4	22,600	28.4	283.3	21,000	31.3	294.9	19,400	
290	22.8	257.9	21,000	26.3	273.4	20,200	29.3	286.2	18,600	
295	20.1	244.8	19,500	24.0	262.4	19,400	27.3	276.7	17,800	
300	17.0	229.4	17,800	21.4	250.1	18,600	25.0	266.2	17,100	
305	13.1	210.1	16,000	18.5	235.9	17,600	22.5	254.6	16,400	
310	7.3	180.6	13,900	15.0	218.6	16,000	19.8	241.3	15,700	
315				10.3	195.3	14,100	16.6	225.5	15,000	
320							12.6	205.5	14,100	
325							6.3	173.6	12,100	

MLC300 S-2

ASME B30.5



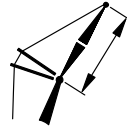
386,200 lb



360°



137.8 ft

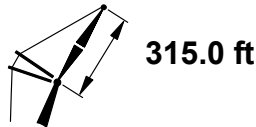
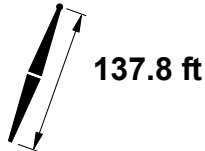
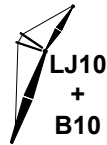


295.3 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190							190
195							195
200							200
205							205
210							210
215							215
220							220
225							225
230							230
235							235
240							240
245							245
250							250
255							255
260							260
265							265
270							270
275							275
280							280
285							285
290							290
295							295
300							300
305							305
310							310
315							315
320							320
325							325

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
105	74.2	448.3	39,600						105	
110	73.3	446.8	39,000						110	
115	72.3	445.2	38,400						115	
120	71.4	443.5	37,800						120	
125	70.4	441.7	37,300	71.8	443.5	37,500			125	
130	69.4	439.9	36,700	70.9	441.8	37,000			130	
135	68.5	437.9	36,200	69.9	439.9	36,500			135	
140	67.5	435.8	35,600	68.9	438.0	35,900			140	
145	66.5	433.6	35,100	67.9	436.0	35,400			145	
150	65.5	431.4	34,600	66.9	433.8	35,000	68.4	435.7	34,900	150
155	64.5	429.0	34,000	65.9	431.6	34,500	67.4	433.6	34,400	155
160	63.5	426.5	33,600	64.9	429.3	34,000	66.4	431.4	34,000	160
165	62.4	423.9	33,100	63.9	426.8	33,500	65.4	429.1	33,500	165
170	61.4	421.1	32,600	62.9	424.2	33,000	64.4	426.7	33,100	170
175	60.4	418.3	32,200	61.9	421.6	32,600	63.4	424.2	32,700	175
180	59.3	415.3	31,700	60.8	418.8	32,100	62.3	421.6	32,300	180
185	58.2	412.2	31,300	59.8	415.9	31,700	61.3	418.8	31,900	185
190	57.1	409.0	30,900	58.7	412.8	31,600	60.2	416.0	31,500	190
195	56.1	405.6	30,500	57.6	409.7	30,900	59.2	413.0	31,100	195
200	54.9	402.1	30,100	56.5	406.4	30,500	58.1	409.9	30,700	200
205	53.8	398.5	29,700	55.4	402.9	30,100	57.0	406.7	30,300	205
210	52.7	394.7	29,300	54.3	399.3	29,700	55.9	403.3	29,900	210
215	51.5	390.7	29,000	53.2	395.6	29,400	54.8	399.8	29,900	215
220	50.3	386.6	28,600	52.0	391.7	29,000	53.7	396.1	29,300	220
225	49.1	382.3	28,300	50.9	387.7	28,700	52.5	392.3	28,900	225
230	47.9	377.8	28,000	49.7	383.4	28,400	51.4	388.3	28,600	230
235	46.7	373.1	27,700	48.5	379.0	28,100	50.2	384.1	28,100	235
240	45.4	368.1	27,400	47.2	374.4	27,800	49.0	379.8	26,900	240
245	44.1	363.0	27,200	46.0	369.6	27,500	47.8	375.3	25,800	245
250	42.7	357.6	26,900	44.7	364.5	26,700	46.5	370.5	24,800	250
255	41.4	352.0	26,700	43.3	359.3	25,600	45.2	365.6	23,800	255
260	40.0	346.1	26,400	42.0	353.8	24,600	43.9	360.4	22,800	260
265	38.5	339.8	25,500	40.6	348.0	23,700	42.6	355.0	21,900	265
270	37.0	333.2	24,500	39.2	341.9	22,700	41.2	349.4	21,000	270
275	35.4	326.3	23,600	37.7	335.4	21,800	39.8	343.4	20,100	275
280	33.8	318.9	22,700	36.2	328.7	21,000	38.3	337.1	19,300	280
285	32.1	311.0	21,800	34.6	321.5	20,100	36.8	330.5	18,500	285
290	30.3	302.6	20,900	32.9	313.8	19,300	35.3	323.5	17,700	290
295	28.5	293.6	20,100	31.2	305.7	18,500	33.6	316.1	16,900	295
300	26.5	283.7	18,600	29.3	296.9	17,800	31.9	308.1	16,200	300
305	24.3	272.9	16,200	27.4	287.4	17,000	30.1	299.7	15,500	305
310	21.9	260.9	13,800	25.3	277.1	16,300	28.2	290.5	14,800	310
315				23.0	265.7	15,600	26.2	280.6	14,200	315
320				20.5	252.8	13,700	24.0	269.7	13,500	320
325							21.6	257.5	12,900	325
330							19.0	243.6	12,300	330

MLC300 S-2

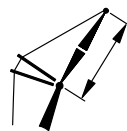
ASME B30.5



386,200 lb



137.8 ft

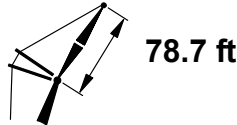
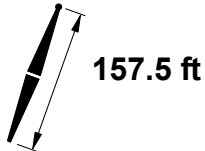
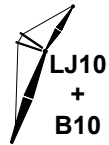


315.0 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185	63.7	422.3	31,300				185
190	62.7	419.7	31,000				190
195	61.7	417.0	30,700				195
200	60.6	414.2	30,400				200
205	59.6	411.3	30,100				205
210	58.5	408.2	29,800				210
215	57.4	405.0	29,500				215
220	56.3	401.7	28,200	58.8	405.4	24,700	220
225	55.2	398.3	27,000	57.8	402.2	23,500	225
230	54.1	394.6	25,800	56.7	398.9	22,400	230
235	53.0	390.9	24,700	55.6	395.5	21,400	235
240	51.8	386.9	23,600	54.4	391.9	20,400	240
245	50.6	382.9	22,600	53.3	388.2	19,500	245
250	49.4	378.6	21,600	52.2	384.3	18,500	250
255	48.2	374.1	20,700	51.0	380.3	17,700	255
260	47.0	369.5	19,800	49.8	376.1	16,800	260
265	45.7	364.6	18,900	48.6	371.7	16,000	265
270	44.4	359.5	18,100	47.4	367.1	15,100	270
275	43.1	354.2	17,300	46.1	362.3	14,300	275
280	41.7	348.7	16,500	44.8	357.3	13,400	280
285	40.3	342.8	15,700	43.5	352.1	12,600	285
290	38.9	336.6	15,000	42.1	346.6	11,900	290
295	37.4	330.2	14,300	40.8	340.8	11,100	295
300	35.8	323.3	13,600				300
305	34.2	316.0	13,000				305
310	32.6	308.3	12,200				310
315	30.8	300.0	11,500				315
320							320
325							325
330							330

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	72.1	239.7	278,800 c							45
50	68.2	237.7	261,000 c							50
55	64.2	235.2	235,000 b	70.8	238.1	233,600 c				55
60	60.0	232.3	210,700	66.8	236.0	209,500 b				60
65	55.6	228.9	191,000	62.7	233.4	189,800 b				65
70	50.9	224.9	174,600	58.5	230.3	173,600	65.4	233.8	172,500 b	70
75	45.9	220.1	160,800	54.0	226.7	159,800	61.2	231.0	158,900 b	75
80	40.3	214.4	149,000	49.2	222.4	148,100	56.9	227.8	147,300	80
85	34.0	207.3	138,800	44.0	217.4	138,000	52.3	223.9	137,200	85
90	26.2	197.9	129,900	38.2	211.2	129,200	47.4	219.4	128,400	90
95	14.7	182.9	122,100	31.5	203.4	121,400	42.0	214.0	120,700	95
100				23.0	192.8	114,500	36.0	207.3	113,800	100
105				6.0	170.2	108,300	28.8	198.8	107,700	105
110							19.0	186.3	102,200	110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

REFERENCE ONLY

MLC300 S-2

ASME B30.5



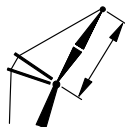
386,200 lb



360°



157.5 ft



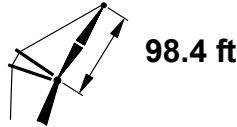
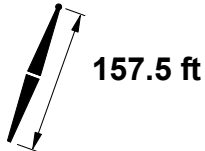
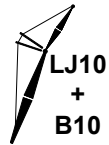
78.7 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	59.9	226.9	125,900 b							90
95	55.5	223.5	117,600							95
100	50.9	219.5	110,200							100
105	45.8	214.7	103,500	58.4	221.4	96,400				105
110	40.3	209.0	97,500	53.9	217.8	90,800				110
115	34.0	201.8	92,000	49.1	213.5	85,700				115
120	26.2	192.4	87,000	43.9	208.4	81,100				120
125	14.7	177.4	82,200	38.1	202.2	76,800	51.8	210.5	71,200	125
130				31.4	194.4	72,900	46.8	205.8	67,600	130
135				22.7	183.7	69,200	41.4	200.3	64,300	135
140				4.7	159.5	65,400	35.2	193.5	61,100	140
145							27.8	184.6	58,200	145
150							17.5	171.3	55,300	150

REFERENCE ONLY

MLC300 S-2

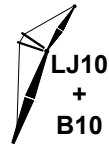
ASME B30.5



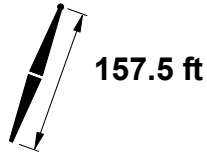
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
50	72.8	258.8	245,100 c						50	
55	69.7	256.9	231,500 b						55	
60	66.5	254.7	211,600	71.7	257.2	210,300 b			60	
65	63.2	252.2	191,700	68.6	255.3	190,600 b			65	
70	59.9	249.3	175,300	65.4	253.0	174,200			70	
75	56.4	246.0	161,400	62.1	250.3	160,500	67.4	253.2	159,500 b	75
80	52.7	242.2	149,600	58.7	247.3	148,700	64.2	250.7	147,800	80
85	48.9	237.9	139,400	55.1	243.8	138,500	60.9	248.0	137,700	85
90	44.8	232.9	130,500	51.4	239.9	129,700	57.4	244.8	128,900	90
95	40.3	227.1	122,600	47.5	235.3	121,900	53.8	241.1	121,100	95
100	35.4	220.3	115,600	43.3	230.1	114,900	50.0	237.0	114,200	100
105	29.7	211.9	109,400	38.7	224.0	108,800	46.0	232.2	108,100	105
110	22.7	201.0	103,800	33.5	216.7	103,200	41.7	226.7	102,600	110
115	12.0	183.2	98,700	27.5	207.7	98,200	36.9	220.2	97,600	115
120				19.7	195.3	93,600	31.5	212.4	92,600	120
125							25.0	202.4	87,800	125
130							16.0	187.8	83,300	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

MLC300 S-2

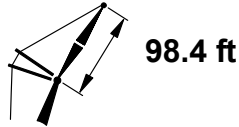
ASME B30.5



386,200 lb



157.5 ft

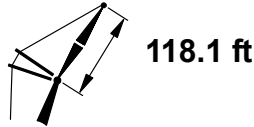
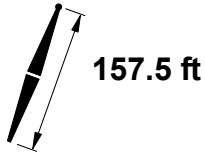
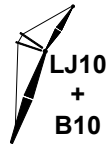


98.4 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	63.2	246.8	116,400							95
100	59.9	243.9	109,000							100
105	56.4	240.6	102,500							105
110	52.7	236.8	96,500							110
115	48.9	232.4	91,200	58.6	238.4	84,500				115
120	44.8	227.5	86,300	55.0	234.9	79,900				120
125	40.3	221.7	81,800	51.3	230.9	75,800				125
130	35.4	214.9	77,700	47.4	226.4	72,000				130
135	29.7	206.5	73,900	43.2	221.1	68,400	53.4	227.7	63,000	135
140	22.7	195.6	70,300	38.6	215.0	65,200	49.6	223.5	60,000	140
145	11.9	177.8	66,800	33.4	207.7	62,100	45.5	218.6	57,200	145
150				27.4	198.6	59,200	41.2	213.0	54,600	150
155				19.5	186.1	56,500	36.3	206.4	52,100	155
160							30.8	198.4	49,800	160
165							24.2	188.1	47,600	165
170							14.6	172.4	45,400	170

MLC300 S-2

ASME B30.5



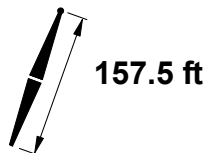
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	73.2	277.8	217,000 b							55
60	70.6	276.1	206,500							60
65	68.0	274.0	192,300							65
70	65.3	271.7	175,800	69.7	274.5	174,700				70
75	62.6	269.1	161,900	67.1	272.4	160,900				75
80	59.8	266.2	150,000	64.4	270.0	149,100	68.8	272.4	148,200	80
85	56.9	263.0	139,800	61.6	267.3	138,900	66.1	270.2	138,100	85
90	53.9	259.4	130,800	58.8	264.3	130,000	63.4	267.7	129,200	90
95	50.8	255.3	122,900	55.9	260.9	122,200	60.6	264.9	121,500	95
100	47.5	250.8	116,000	52.8	257.1	115,300	57.8	261.8	114,600	100
105	44.0	245.7	109,700	49.7	252.9	109,100	54.8	258.2	108,400	105
110	40.3	239.9	104,100	46.3	248.2	103,500	51.7	254.3	102,800	110
115	36.3	233.2	99,000	42.8	242.8	98,400	48.5	249.9	97,400	115
120	31.8	225.4	94,400	39.0	236.8	93,900	45.1	245.0	92,200	120
125	26.6	216.0	90,200	34.8	229.8	89,700	41.5	239.4	87,500	125
130	20.1	203.6	86,400	30.1	221.5	85,900	37.5	233.1	83,100	130
135	9.8	182.9	82,500	24.6	211.2	82,400	33.2	225.7	79,100	135
140				17.3	197.1	78,600	28.2	216.8	75,400	140
145							22.3	205.5	71,900	145
150							13.8	188.7	68,500	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC300 S-2

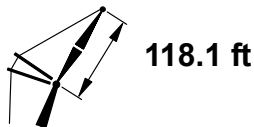
ASME B30.5



386,200 lb



157.5 ft

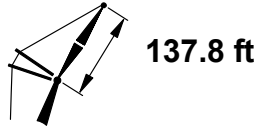
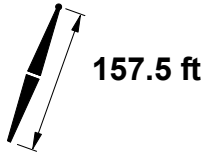
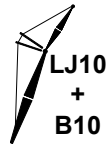


118.1 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.6	263.7	101,600							105
110	59.8	260.8	95,700							110
115	56.9	257.6	90,400							115
120	53.9	253.9	85,600							120
125	50.8	249.9	81,100	58.7	255.3	74,900				125
130	47.5	245.3	77,100	55.8	252.0	71,100				130
135	44.0	240.2	73,300	52.8	248.2	67,600				135
140	40.3	234.4	69,900	49.6	243.9	64,400				140
145	36.3	227.8	66,700	46.3	239.2	61,400				145
150	31.8	220.0	63,600	42.7	233.9	58,600	51.4	240.9	53,700	150
155	26.6	210.5	60,800	38.9	227.8	56,000	48.1	236.4	51,300	155
160	20.1	198.1	58,100	34.7	220.8	53,600	44.7	231.4	49,100	160
165	9.8	177.4	55,500	30.0	212.4	51,300	41.0	225.8	46,900	165
170				24.4	202.1	49,100	37.1	219.3	44,900	170
175				17.1	187.9	47,000	32.7	211.7	43,100	175
180							27.6	202.6	41,300	180
185							21.5	190.9	39,500	185
190							12.4	173.0	37,800	190

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	73.5	296.9	187,500							60
65	71.3	295.2	180,100							65
70	69.1	293.3	172,800							70
75	66.8	291.1	162,500	70.5	293.7	161,500				75
80	64.5	288.8	150,600	68.3	291.7	149,700				80
85	62.2	286.1	140,300	66.0	289.4	139,400				85
90	59.7	283.2	131,300	63.7	287.0	130,500	67.5	289.6	129,700	90
95	57.3	280.0	123,400	61.3	284.2	122,600	65.2	287.2	121,900	95
100	54.7	276.5	116,400	58.9	281.2	115,700	62.9	284.7	115,000	100
105	52.1	272.6	110,100	56.4	277.9	109,400	60.5	281.9	108,300	105
110	49.4	268.3	104,500	53.8	274.3	103,800	58.0	278.7	102,000	110
115	46.5	263.6	99,400	51.2	270.3	98,800	55.5	275.3	96,400	115
120	43.5	258.4	94,800	48.4	265.9	94,200	52.9	271.5	91,200	120
125	40.3	252.6	90,600	45.5	261.0	90,000	50.2	267.4	86,500	125
130	36.9	246.1	86,700	42.4	255.6	86,000	47.4	262.8	82,200	130
135	33.2	238.6	83,200	39.2	249.6	81,800	44.4	257.8	78,200	135
140	29.0	230.0	79,900	35.7	242.7	78,000	41.3	252.2	74,500	140
145	24.2	219.4	76,900	31.8	234.9	74,400	38.0	245.9	71,100	145
150	18.1	205.7	74,100	27.4	225.7	71,100	34.3	238.7	67,900	150
155	7.9	181.7	67,300	22.3	214.3	68,000	30.3	230.5	65,000	155
160				15.4	198.6	65,000	25.7	220.6	62,200	160
165							20.1	208.0	59,500	165
170							12.0	189.2	57,000	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

MLC300 S-2

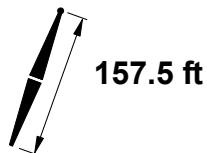
ASME B30.5



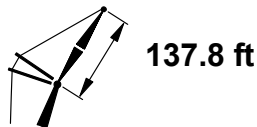
386,200 lb



360°



157.5 ft

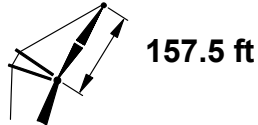
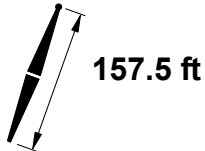
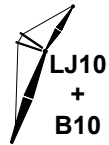


137.8 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.1	280.7	89,100							115
120	59.7	277.8	84,300							120
125	57.3	274.6	79,900							125
130	54.7	271.0	75,900							130
135	52.1	267.2	72,200	58.8	272.3	66,300				135
140	49.4	262.9	68,800	56.4	269.0	63,100				140
145	46.5	258.2	65,600	53.8	265.3	60,200				145
150	43.5	253.0	62,600	51.1	261.3	57,400				150
155	40.3	247.2	59,900	48.3	256.9	54,900				155
160	36.9	240.7	57,300	45.4	252.0	52,500	52.6	258.1	47,700	160
165	33.2	233.2	54,900	42.4	246.6	50,200	49.9	253.9	45,600	165
170	29.0	224.5	52,600	39.1	240.6	48,100	47.0	249.3	43,700	170
175	24.2	214.0	50,400	35.6	233.7	46,100	44.1	244.2	41,900	175
180	18.1	200.2	48,300	31.7	225.9	44,200	40.9	238.5	40,100	180
185	7.9	176.3	46,300	27.3	216.6	42,400	37.6	232.1	38,500	185
190				22.1	205.1	40,700	33.9	224.9	36,900	190
195				15.2	189.3	39,000	29.8	216.4	35,400	195
200							25.1	206.3	34,000	200
205							19.3	193.3	32,600	205
210							10.6	172.9	31,200	210

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
65	73.7	316.0	154,700							65
70	71.8	314.3	148,900							70
75	69.9	312.5	143,200							75
80	67.9	310.4	137,700	71.1	312.8	147,700				80
85	65.9	308.2	132,300	69.2	310.9	139,900				85
90	63.9	305.7	127,000	67.2	308.8	131,000				90
95	61.8	303.1	121,800	65.2	306.5	123,100	68.5	308.8	121,700	95
100	59.7	300.1	116,600	63.2	303.9	116,100	66.5	306.6	113,900	100
105	57.6	297.0	110,500	61.1	301.2	109,800	64.5	304.3	107,000	105
110	55.3	293.5	104,900	59.0	298.2	104,200	62.4	301.7	100,700	110
115	53.1	289.8	99,800	56.8	294.9	99,100	60.3	298.8	95,100	115
120	50.7	285.7	95,100	54.6	291.4	94,200	58.2	295.7	89,900	120
125	48.3	281.3	90,900	52.3	287.5	89,300	56.0	292.3	85,200	125
130	45.8	276.5	87,000	49.9	283.3	84,800	53.8	288.7	80,900	130
135	43.1	271.2	83,500	47.4	278.8	80,700	51.4	284.7	77,000	135
140	40.3	265.4	80,200	44.9	273.8	76,900	49.0	280.4	73,300	140
145	37.4	258.9	76,700	42.2	268.3	73,400	46.5	275.7	69,900	145
150	34.2	251.7	73,300	39.3	262.3	70,100	43.9	270.6	66,800	150
155	30.7	243.5	70,000	36.3	255.6	67,000	41.2	264.9	63,900	155
160	26.8	234.0	66,900	33.0	248.1	64,200	38.3	258.7	61,100	160
165	22.2	222.5	63,900	29.4	239.5	61,500	35.2	251.7	58,500	165
170	16.4	207.3	60,700	25.3	229.4	58,900	31.8	243.8	56,100	170
175	6.2	179.7	55,000	20.4	216.9	56,500	28.0	234.8	53,800	175
180				13.8	199.6	54,200	23.7	223.9	51,700	180
185							18.3	210.2	49,600	185
190							10.4	189.1	47,500	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230

MLC300 S-2

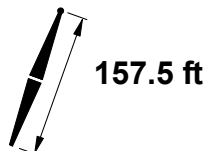
ASME B30.5



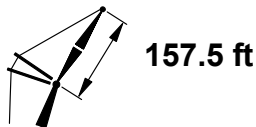
386,200 lb



360°



157.5 ft

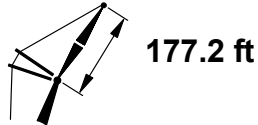
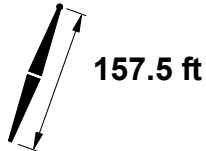
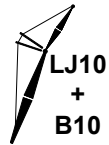


157.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.9	300.3	82,900							120
125	61.8	297.6	78,500							125
130	59.7	294.7	74,500							130
135	57.6	291.6	70,800							135
140	55.3	288.1	67,400							140
145	53.1	284.4	64,300	58.9	289.3	58,700				145
150	50.7	280.3	61,300	56.8	286.0	55,900				150
155	48.3	275.9	58,600	54.5	282.4	53,400				155
160	45.8	271.0	56,000	52.2	278.6	51,000				160
165	43.1	265.8	53,700	49.9	274.4	48,800				165
170	40.3	259.9	51,400	47.4	269.8	46,700	53.5	275.3	42,200	170
175	37.4	253.5	49,300	44.8	264.8	44,800	51.2	271.3	40,400	175
180	34.2	246.3	47,300	42.1	259.4	42,900	48.8	266.9	38,700	180
185	30.7	238.1	45,400	39.3	253.3	41,200	46.2	262.2	37,100	185
190	26.8	228.6	43,600	36.2	246.6	39,500	43.6	257.0	35,500	190
195	22.2	217.0	41,900	32.9	239.1	38,000	40.9	251.2	34,100	195
200	16.4	201.9	40,200	29.3	230.5	36,400	37.9	244.9	32,700	200
205	6.1	174.2	38,500	25.2	220.3	35,000	34.8	237.9	31,400	205
210				20.3	207.7	33,600	31.4	229.9	30,100	210
215				13.6	190.2	32,200	27.5	220.6	28,900	215
220							23.1	209.6	27,700	220
225							17.6	195.3	26,600	225
230							9.1	172.4	25,400	230

MLC300 S-2

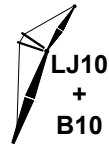
ASME B30.5



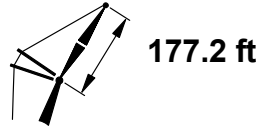
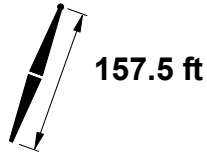
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	73.9	335.0	132,400							70
75	72.2	333.4	131,700							75
80	70.5	331.6	129,200							80
85	68.7	329.7	124,400	71.6	331.9	129,000				85
90	67.0	327.6	119,600	69.9	330.1	128,400				90
95	65.2	325.2	115,000	68.1	328.1	123,500				95
100	63.4	322.7	110,500	66.4	325.9	116,500				100
105	61.6	320.0	106,100	64.6	323.5	110,200	67.5	326.0	105,800	105
110	59.7	317.1	101,800	62.8	320.9	104,400	65.7	323.7	99,500	110
115	57.8	314.0	97,700	60.9	318.1	98,500	63.9	321.3	93,900	115
120	55.8	310.6	93,700	59.0	315.1	93,100	62.1	318.6	88,800	120
125	53.8	306.9	89,700	57.1	311.9	88,300	60.2	315.8	84,100	125
130	51.8	303.0	86,000	55.1	308.4	83,800	58.3	312.7	79,800	130
135	49.6	298.8	82,200	53.1	304.7	79,700	56.4	309.4	75,900	135
140	47.5	294.2	78,700	51.0	300.7	75,900	54.4	305.8	72,200	140
145	45.2	289.3	75,300	48.9	296.3	72,400	52.4	302.0	68,900	145
150	42.8	283.9	72,000	46.7	291.7	69,100	50.3	297.8	65,700	150
155	40.3	278.1	68,800	44.4	286.6	66,100	48.1	293.4	62,800	155
160	37.7	271.7	65,800	42.0	281.1	63,300	45.9	288.6	60,100	160
165	34.9	264.7	62,900	39.5	275.1	60,600	43.5	283.3	57,500	165
170	31.9	256.9	60,100	36.8	268.5	58,100	41.1	277.7	55,100	170
175	28.6	248.0	57,500	33.9	261.2	55,700	38.5	271.5	52,900	175
180	24.9	237.7	55,000	30.8	253.0	53,500	35.8	264.6	50,800	180
185	20.6	225.2	52,500	27.4	243.7	51,400	32.8	257.1	48,800	185
190	15.0	208.7	50,200	23.5	232.7	49,400	29.6	248.5	46,800	190
195	4.3	176.1	45,200	18.8	219.2	47,500	26.1	238.7	45,000	195
200				12.5	200.2	45,600	21.9	226.9	43,300	200
205							16.8	212.0	41,600	205
210							9.1	188.6	40,000	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-2

ASME B30.5



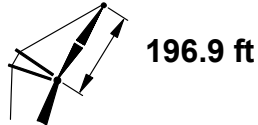
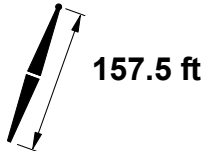
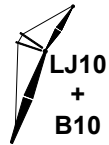
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.4	317.3	73,200							130
135	61.6	314.6	69,500							135
140	59.7	311.7	66,100							140
145	57.8	308.5	63,000							145
150	55.8	305.1	60,100							150
155	53.8	301.5	57,400	59.0	306.2	52,100				155
160	51.8	297.6	54,900	57.1	303.0	49,700				160
165	49.6	293.4	52,500	55.1	299.5	47,500				165
170	47.5	288.8	50,300	53.1	295.8	45,500				170
175	45.2	283.9	48,200	51.0	291.7	43,500				175
180	42.8	278.5	46,200	48.9	287.4	41,700				180
185	40.3	272.7	44,300	46.6	282.7	40,000	52.1	288.5	35,700	185
190	37.7	266.3	42,600	44.3	277.6	38,300	50.0	284.3	34,200	190
195	34.9	259.3	40,900	41.9	272.1	36,800	47.9	279.8	32,800	195
200	31.9	251.4	39,300	39.4	266.1	35,300	45.6	275.0	31,400	200
205	28.6	242.5	37,800	36.7	259.5	33,900	43.3	269.7	30,100	205
210	24.9	232.2	36,300	33.9	252.2	32,600	40.8	264.0	28,900	210
215	20.6	219.7	34,900	30.7	244.0	31,300	38.2	257.7	27,700	215
220	15.0	203.2	33,500	27.3	234.6	30,100	35.5	250.8	26,600	220
225	4.3	170.6	32,100	23.4	223.6	28,900	32.5	243.1	25,500	225
230				18.7	210.0	27,700	29.2	234.5	24,500	230
235				12.3	190.8	26,600	25.6	224.4	23,500	235
240							21.4	212.4	22,500	240
245							16.2	196.9	21,600	245
250							7.7	171.2	20,600	250

MLC300 S-2

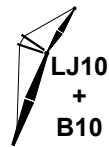
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
75	74.0	354.1	110,300						75	
80	72.5	352.5	109,800						80	
85	71.0	350.8	109,200						85	
90	69.4	348.9	108,500	72.0	351.0	107,400			90	
95	67.8	346.8	107,800	70.4	349.2	107,200			95	
100	66.3	344.6	107,100	68.9	347.3	106,900			100	
105	64.6	342.3	106,300	67.3	345.2	106,600			105	
110	63.0	339.7	104,900	65.7	342.9	103,500	68.3	345.2	98,600	110
115	61.3	337.0	100,400	64.1	340.5	97,700	66.7	343.1	93,000	115
120	59.7	334.1	95,700	62.4	337.9	92,300	65.1	340.7	87,900	120
125	57.9	330.9	91,400	60.8	335.1	87,500	63.5	338.3	83,200	125
130	56.2	327.6	87,100	59.1	332.1	83,000	61.8	335.6	78,900	130
135	54.4	324.0	82,900	57.3	328.9	78,900	60.2	332.7	75,000	135
140	52.6	320.2	78,900	55.6	325.5	75,200	58.5	329.6	71,400	140
145	50.7	316.1	75,300	53.8	321.8	71,700	56.7	326.4	68,000	145
150	48.8	311.8	71,900	51.9	317.9	68,400	54.9	322.9	64,900	150
155	46.8	307.1	68,800	50.0	313.8	65,400	53.1	319.1	62,000	155
160	44.7	302.1	65,800	48.1	309.3	62,600	51.3	315.1	59,300	160
165	42.6	296.7	63,100	46.1	304.5	59,900	49.4	310.9	56,800	165
170	40.3	290.9	60,500	44.0	299.4	57,400	47.4	306.3	54,400	170
175	38.0	284.5	58,000	41.8	293.8	55,100	45.3	301.4	52,200	175
180	35.5	277.6	55,700	39.5	287.8	52,900	43.2	296.1	50,100	180
185	32.9	270.1	53,600	37.2	281.3	50,800	41.0	290.4	48,100	185
190	30.0	261.6	51,500	34.6	274.2	48,900	38.7	284.2	46,200	190
195	26.9	252.0	49,600	31.9	266.3	47,000	36.3	277.5	44,400	195
200	23.3	241.0	47,700	29.0	257.5	45,200	33.7	270.2	42,700	200
205	19.2	227.5	45,200	25.7	247.5	43,500	30.9	262.0	41,100	205
210	13.8	209.7	41,700	22.0	235.7	41,900	27.8	252.8	39,500	210
215				17.5	221.2	40,300	24.4	242.2	38,100	215
220				11.3	200.4	38,400	20.5	229.6	36,700	220
225							15.6	213.5	35,300	225
230							7.9	187.5	33,900	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270

MLC300 S-2

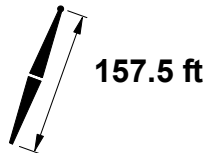
ASME B30.5



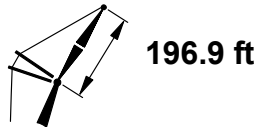
386,200 lb



360°



157.5 ft

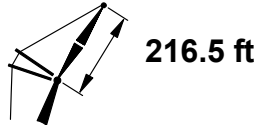
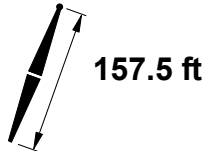
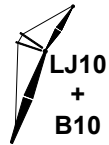


196.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.0	334.3	65,200							140
145	61.3	331.6	62,100							145
150	59.7	328.6	59,200							150
155	57.9	325.5	56,500							155
160	56.2	322.2	54,000							160
165	54.4	318.6	51,600							165
170	52.6	314.8	49,400	57.3	320.0	44,500				170
175	50.7	310.7	47,300	55.5	316.6	42,600				175
180	48.8	306.3	45,400	53.7	312.9	40,800				180
185	46.8	301.7	43,500	51.9	309.0	39,100				185
190	44.7	296.7	41,800	50.0	304.8	37,400				190
195	42.6	291.3	40,100	48.0	300.3	35,900	52.9	305.7	31,800	195
200	40.3	285.4	38,500	46.0	295.5	34,500	51.0	301.7	30,500	200
205	38.0	279.1	37,100	43.9	290.4	33,100	49.1	297.4	29,200	205
210	35.5	272.2	35,600	41.8	284.9	31,800	47.1	292.7	28,000	210
215	32.9	264.6	34,300	39.5	278.9	30,500	45.1	287.8	26,800	215
220	30.0	256.2	33,000	37.1	272.3	29,300	43.0	282.5	25,700	220
225	26.9	246.6	31,700	34.6	265.2	28,200	40.8	276.7	24,700	225
230	23.3	235.5	30,500	31.9	257.3	27,100	38.4	270.5	23,700	230
235	19.2	222.1	29,400	28.9	248.5	26,000	36.0	263.7	22,700	235
240	13.8	204.2	28,200	25.6	238.4	25,000	33.4	256.3	21,800	240
245				21.9	226.6	24,000	30.6	248.0	20,900	245
250				17.4	211.9	23,000	27.5	238.7	20,000	250
255				11.1	191.0	22,100	24.0	227.9	19,200	255
260							20.0	215.0	18,300	260
265							14.9	198.2	17,500	265
270							6.3	169.3	16,700	270

MLC300 S-2

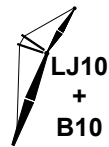
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
80	74.1	373.1	92,600						80	
85	72.8	371.6	92,000						85	
90	71.4	369.9	91,500						90	
95	70.0	368.0	90,900						95	
100	68.5	366.1	90,300	70.9	368.4	89,600			100	
105	67.1	364.0	89,600	69.5	366.5	89,300			105	
110	65.6	361.7	89,000	68.0	364.5	88,900			110	
115	64.2	359.3	88,300	66.6	362.3	88,600	69.0	364.4	86,000	115
120	62.7	356.7	87,700	65.1	360.0	88,200	67.5	362.4	86,000	120
125	61.2	353.9	87,000	63.7	357.5	86,400	66.1	360.1	82,000	125
130	59.6	351.0	86,100	62.2	354.9	81,900	64.6	357.8	77,800	130
135	58.1	347.9	81,900	60.7	352.0	77,800	63.1	355.2	73,800	135
140	56.5	344.6	77,900	59.1	349.1	74,100	61.6	352.5	70,200	140
145	54.9	341.1	74,300	57.5	345.9	70,600	60.1	349.7	66,900	145
150	53.2	337.4	70,900	55.9	342.5	67,300	58.6	346.6	63,800	150
155	51.5	333.4	67,800	54.3	338.9	64,300	57.0	343.4	60,900	155
160	49.8	329.2	64,800	52.7	335.1	61,500	55.4	339.9	58,200	160
165	48.0	324.7	62,100	51.0	331.1	58,900	53.7	336.3	55,700	165
170	46.2	320.0	59,500	49.2	326.8	56,400	52.1	332.4	53,300	170
175	44.3	314.9	57,100	47.4	322.2	54,100	50.3	328.2	51,100	175
180	42.4	309.4	54,800	45.6	317.3	51,900	48.6	323.9	49,000	180
185	40.3	303.6	52,700	43.7	312.1	49,800	46.8	319.2	47,000	185
190	38.2	297.3	50,600	41.7	306.6	47,900	44.9	314.2	45,100	190
195	36.0	290.5	48,700	39.6	300.6	46,000	43.0	308.9	43,300	195
200	33.6	283.1	46,900	37.5	294.1	44,300	41.0	303.2	41,700	200
205	31.1	275.0	45,100	35.2	287.2	42,600	38.9	297.0	40,100	205
210	28.4	266.0	43,400	32.8	279.5	41,000	36.7	290.4	38,500	210
215	25.4	255.8	41,900	30.2	271.1	39,500	34.3	283.2	37,100	215
220	22.0	244.0	40,100	27.4	261.7	38,000	31.9	275.3	35,700	220
225	17.9	229.6	37,400	24.2	251.0	36,600	29.2	266.6	34,400	225
230	12.7	210.4	34,300	20.7	238.5	35,300	26.3	256.7	33,100	230
235				16.3	222.8	34,000	23.0	245.5	31,900	235
240				10.2	200.3	31,400	19.2	232.0	30,700	240
245							14.5	214.7	29,500	245
250							6.7	185.8	28,400	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285
290										290

MLC300 S-2

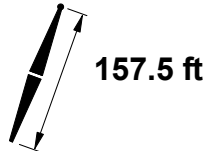
ASME B30.5



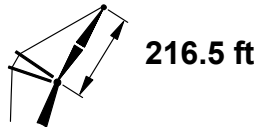
386,200 lb



360°



157.5 ft

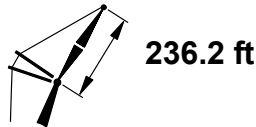
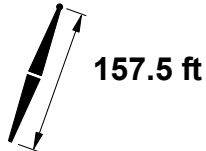
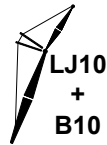


216.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	62.7	351.3	57,900							150
155	61.2	348.5	55,200							155
160	59.6	345.6	52,700							160
165	58.1	342.5	50,400							165
170	56.5	339.2	48,200							170
175	54.9	335.7	46,100							175
180	53.2	331.9	44,100	57.5	337.0	39,400				180
185	51.5	328.0	42,300	55.9	333.6	37,700				185
190	49.8	323.8	40,600	54.3	330.0	36,100				190
195	48.0	319.3	38,900	52.6	326.2	34,600				195
200	46.2	314.5	37,400	50.9	322.1	33,200				200
205	44.3	309.5	35,900	49.2	317.8	31,800	53.5	322.8	27,800	205
210	42.4	304.0	34,500	47.4	313.3	30,500	51.9	318.9	26,600	210
215	40.3	298.2	33,200	45.5	308.4	29,300	50.1	314.8	25,500	215
220	38.2	291.9	31,900	43.6	303.2	28,100	48.4	310.3	24,400	220
225	36.0	285.1	30,600	41.6	297.6	27,000	46.6	305.6	23,400	225
230	33.6	277.7	29,500	39.6	291.6	25,900	44.7	300.6	22,400	230
235	31.1	269.6	28,400	37.4	285.2	24,800	42.7	295.2	21,400	235
240	28.4	260.6	27,300	35.1	278.1	23,900	40.7	289.5	20,500	240
245	25.4	250.4	26,200	32.7	270.5	22,900	38.6	283.3	19,600	245
250	22.0	238.5	25,200	30.1	262.1	22,000	36.4	276.6	18,800	250
255	17.9	224.2	24,200	27.3	252.7	21,100	34.1	269.3	18,000	255
260	12.7	204.9	23,300	24.2	241.9	20,200	31.6	261.3	17,200	260
265				20.6	229.3	19,400	28.9	252.5	16,500	265
270				16.2	213.6	18,600	25.9	242.5	15,700	270
275				10.1	190.8	17,700	22.6	231.1	15,000	275
280							18.7	217.3	14,300	280
285							13.8	199.3	13,600	285
290							5.0	166.4	12,800	290

MLC300 S-2

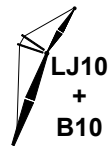
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
85	74.2	392.2	77,500						85	
90	73.0	390.6	77,000						90	
95	71.7	389.0	76,400						95	
100	70.4	387.2	75,900						100	
105	69.1	385.3	75,300	71.3	387.5	74,800			105	
110	67.8	383.2	74,700	70.0	385.6	74,400			110	
115	66.5	381.1	74,100	68.7	383.7	74,000			115	
120	65.1	378.7	73,500	67.3	381.6	73,600			120	
125	63.8	376.3	72,900	66.0	379.4	73,200	68.2	381.6	71,500	
130	62.4	373.7	72,300	64.7	377.0	72,700	66.9	379.5	71,300	
135	61.0	370.9	71,800	63.3	374.5	72,300	65.5	377.2	71,100	
140	59.6	368.0	71,200	61.9	371.8	71,900	64.2	374.8	69,200	
145	58.2	364.9	70,700	60.6	369.0	69,600	62.8	372.2	65,900	
150	56.8	361.6	70,100	59.1	366.0	66,400	61.5	369.5	62,800	
155	55.3	358.1	66,900	57.7	362.9	63,400	60.1	366.6	59,900	
160	53.8	354.5	64,000	56.3	359.5	60,600	58.6	363.6	57,200	
165	52.2	350.6	61,200	54.8	356.0	58,000	57.2	360.4	54,700	
170	50.7	346.5	58,700	53.3	352.3	55,500	55.7	357.0	52,300	
175	49.1	342.2	56,200	51.7	348.3	53,200	54.2	353.4	50,100	
180	47.4	337.7	54,000	50.1	344.2	51,000	52.7	349.6	48,000	
185	45.7	332.8	51,800	48.5	339.8	48,900	51.2	345.5	46,100	
190	44.0	327.7	49,800	46.9	335.1	47,000	49.6	341.3	44,200	
195	42.2	322.2	47,900	45.2	330.2	45,100	47.9	336.8	42,400	
200	40.3	316.4	46,100	43.4	324.9	43,400	46.3	332.0	40,800	
205	38.4	310.1	44,300	41.6	319.3	41,700	44.5	327.0	39,200	
210	36.4	303.4	42,700	39.7	313.4	40,200	42.8	321.6	37,700	
215	34.2	296.2	41,100	37.7	307.0	38,700	40.9	315.9	36,200	
220	32.0	288.3	39,600	35.7	300.1	37,200	39.0	309.8	34,900	
225	29.6	279.7	38,200	33.5	292.6	35,900	37.0	303.2	33,500	
230	26.9	270.1	36,800	31.2	284.5	34,500	34.9	296.1	32,300	
235	24.0	259.3	35,400	28.7	275.6	33,300	32.7	288.5	31,100	
240	20.8	246.7	33,000	26.0	265.6	32,100	30.3	280.1	29,900	
245	16.9	231.4	30,700	23.0	254.3	30,900	27.7	270.8	28,800	
250	11.7	210.8	28,100	19.5	240.9	29,800	24.9	260.4	27,800	
255				15.3	224.3	28,200	21.8	248.4	26,700	
260				9.3	199.9	25,500	18.1	234.1	25,700	
265							13.5	215.6	24,700	
270							5.6	183.4	23,000	
275									275	
280									280	
285									285	
290									290	
295									295	

MLC300 S-2

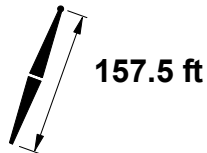
ASME B30.5



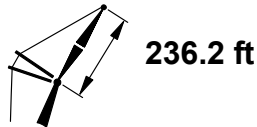
386,200 lb



360°



157.5 ft

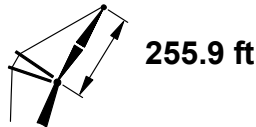
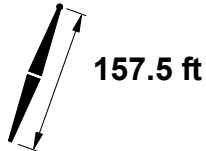
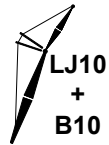


236.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	63.8	370.9	54,100							155
160	62.4	368.2	51,600							160
165	61.0	365.5	49,300							165
170	59.6	362.5	47,100							170
175	58.2	359.5	45,100							175
180	56.8	356.2	43,100							180
185	55.3	352.7	41,300							185
190	53.8	349.1	39,600	57.7	353.9	35,100				190
195	52.2	345.2	37,900	56.2	350.6	33,600				195
200	50.7	341.1	36,400	54.7	347.1	32,100				200
205	49.1	336.8	34,900	53.2	343.3	30,800				205
210	47.4	332.2	33,500	51.7	339.4	29,500				210
215	45.7	327.4	32,200	50.1	335.2	28,200				215
220	44.0	322.2	30,900	48.5	330.8	27,100	52.5	336.1	23,300	220
225	42.2	316.8	29,700	46.8	326.2	26,000	51.0	332.1	22,300	225
230	40.3	310.9	28,600	45.1	321.2	24,900	49.4	327.8	21,300	230
235	38.4	304.7	27,400	43.4	315.9	23,900	47.7	323.3	20,400	235
240	36.4	298.0	26,400	41.5	310.3	22,900	46.1	318.5	19,500	240
245	34.2	290.7	25,400	39.6	304.4	21,900	44.3	313.4	18,600	245
250	32.0	282.9	24,400	37.7	298.0	21,000	42.5	308.0	17,800	250
255	29.6	274.2	23,400	35.6	291.1	20,200	40.7	302.2	17,000	255
260	26.9	264.7	22,500	33.4	283.6	19,300	38.8	296.1	16,200	260
265	24.0	253.8	21,600	31.1	275.5	18,500	36.8	289.4	15,500	265
270	20.8	241.3	20,800	28.6	266.5	17,700	34.6	282.3	14,800	270
275	16.9	226.0	19,900	25.9	256.5	17,000	32.4	274.6	14,100	275
280	11.7	205.3	19,100	22.9	245.1	16,200	30.0	266.1	13,400	280
285				19.4	231.8	15,500	27.4	256.7	12,600	285
290				15.2	215.0	14,800	24.6	246.1	11,900	290
295				9.1	190.3	14,100	21.4	233.9	11,200	295

MLC300 S-2

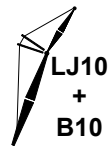
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
90	74.3	411.2	65,200						90	
95	73.2	409.7	64,700						95	
100	72.0	408.1	64,200						100	
105	70.8	406.3	63,600						105	
110	69.6	404.5	63,000	71.6	406.6	62,700			110	
115	68.4	402.5	62,400	70.4	404.8	62,300			115	
120	67.2	400.4	61,900	69.2	402.9	61,800			120	
125	66.0	398.1	61,300	68.0	400.9	61,400			125	
130	64.7	395.8	60,700	66.8	398.7	60,900	68.8	400.8	59,700	130
135	63.5	393.3	60,200	65.5	396.4	60,500	67.5	398.8	59,400	135
140	62.2	390.6	59,600	64.3	394.0	60,000	66.3	396.6	59,100	140
145	60.9	387.9	59,100	63.0	391.5	59,600	65.1	394.2	58,800	145
150	59.6	384.9	58,600	61.8	388.8	59,100	63.8	391.8	58,500	150
155	58.3	381.8	58,000	60.5	386.0	58,700	62.6	389.2	58,200	155
160	57.0	378.6	57,500	59.2	383.0	58,200	61.3	386.5	56,000	160
165	55.6	375.2	57,000	57.8	379.8	56,900	60.0	383.6	53,500	165
170	54.2	371.6	56,600	56.5	376.5	54,400	58.7	380.5	51,200	170
175	52.8	367.8	55,200	55.1	373.1	52,100	57.4	377.3	49,000	175
180	51.4	363.8	53,000	53.8	369.4	49,900	56.0	374.0	46,900	180
185	49.9	359.6	50,800	52.3	365.5	47,900	54.6	370.4	44,900	185
190	48.4	355.2	48,800	50.9	361.5	45,900	53.3	366.7	43,100	190
195	46.9	350.6	46,900	49.4	357.2	44,100	51.8	362.8	41,300	195
200	45.3	345.6	45,100	47.9	352.7	42,400	50.4	358.7	39,600	200
205	43.7	340.4	43,300	46.4	348.0	40,700	48.9	354.3	38,100	205
210	42.1	334.9	41,700	44.8	343.0	39,100	47.4	349.7	36,600	210
215	40.3	329.1	40,100	43.2	337.7	37,600	45.8	344.9	35,100	215
220	38.6	322.9	38,700	41.5	332.1	36,200	44.2	339.8	33,800	220
225	36.7	316.3	37,200	39.7	326.1	34,900	42.6	334.4	32,500	225
230	34.8	309.1	35,800	37.9	319.7	33,600	40.9	328.6	31,200	230
235	32.7	301.5	33,900	36.0	313.0	32,300	39.1	322.5	30,000	235
240	30.5	293.1	32,100	34.1	305.7	31,100	37.3	316.0	28,900	240
245	28.2	284.0	30,300	32.0	297.8	30,000	35.3	309.1	27,800	245
250	25.7	273.9	28,500	29.7	289.2	28,900	33.3	301.6	26,800	250
255	22.9	262.5	26,800	27.4	279.7	27,800	31.2	293.5	25,700	255
260	19.7	249.2	25,100	24.7	269.2	26,800	28.9	284.6	24,800	260
265	15.9	233.0	23,600	21.8	257.2	25,800	26.5	274.8	23,800	265
270	10.8	210.9	22,100	18.5	243.1	24,600	23.7	263.8	22,900	270
275				14.4	225.5	22,500	20.7	251.2	22,000	275
280				8.4	199.1	20,300	17.1	236.0	21,200	280
285							12.6	216.3	20,300	285
290							4.4	179.9	17,900	290
295										295
300										300
305										305
310										310

MLC300 S-2

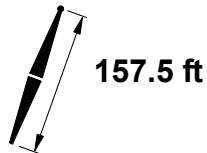
ASME B30.5



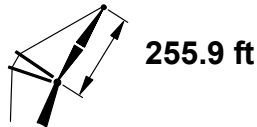
386,200 lb



360°



157.5 ft

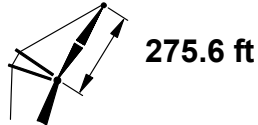
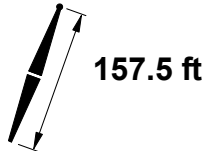
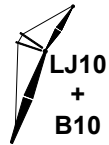


255.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	63.5	387.9	48,000							165
170	62.2	385.2	45,900							170
175	60.9	382.4	43,800							175
180	59.6	379.5	41,900							180
185	58.3	376.4	40,100							185
190	57.0	373.2	38,300							190
195	55.6	369.8	36,700							195
200	54.2	366.2	35,200	57.8	370.9	30,800				200
205	52.8	362.4	33,700	56.5	367.6	29,500				205
210	51.4	358.4	32,300	55.1	364.1	28,200				210
215	49.9	354.2	31,000	53.7	360.5	27,000				215
220	48.4	349.8	29,700	52.3	356.6	25,800				220
225	46.9	345.1	28,500	50.9	352.6	24,700				225
230	45.3	340.2	27,400	49.4	348.3	23,600	53.1	353.3	20,000	230
235	43.7	335.0	26,300	47.9	343.8	22,600	51.7	349.3	19,100	235
240	42.1	329.5	25,200	46.3	339.0	21,700	50.2	345.2	18,200	240
245	40.3	323.7	24,200	44.8	334.0	20,700	48.7	340.8	17,300	245
250	38.6	317.5	23,300	43.1	328.7	19,800	47.2	336.2	16,500	250
255	36.7	310.8	22,300	41.4	323.1	19,000	45.6	331.3	15,600	255
260	34.8	303.7	21,400	39.7	317.1	18,200	44.0	326.2	14,800	260
265	32.7	296.0	20,600	37.9	310.8	17,400	42.4	320.7	13,900	265
270	30.5	287.7	19,700	36.0	304.0	16,600	40.7	315.0	13,100	270
275	28.2	278.6	18,900	34.0	296.6	15,800	38.9	308.8	12,400	275
280	25.7	268.5	18,100	31.9	288.7	15,100	37.0	302.3	11,600	280
285	22.9	257.0	17,400	29.7	280.1	14,400	35.1	295.2	10,900	285
290	19.7	243.8	16,600	27.3	270.7	13,800				290
295	15.9	227.6	15,900	24.7	260.1	13,100				295
300	10.8	205.5	15,200	21.8	248.1	12,400				300
305				18.4	234.0	11,700				305
310				14.3	216.2	11,000				310

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
95	74.4	430.3	54,300							95
100	73.3	428.8	53,700							100
105	72.2	427.2	53,200							105
110	71.1	425.4	52,600							110
115	70.0	423.6	52,100	71.8	425.7	52,000				115
120	68.9	421.7	51,500	70.7	423.9	51,500				120
125	67.8	419.6	51,000	69.6	422.1	51,100				125
130	66.6	417.5	50,400	68.5	420.1	50,600				130
135	65.5	415.2	49,900	67.4	418.0	50,200				135
140	64.3	412.8	49,400	66.2	415.8	49,700	68.1	418.0	49,000	140
145	63.2	410.3	48,800	65.1	413.5	49,200	67.0	415.9	48,700	145
150	62.0	407.6	48,300	63.9	411.0	48,800	65.8	413.6	48,300	150
155	60.8	404.8	47,800	62.8	408.5	48,300	64.7	411.3	48,000	155
160	59.6	401.9	47,300	61.6	405.8	47,900	63.5	408.8	47,600	160
165	58.4	398.8	46,900	60.4	402.9	47,400	62.4	406.2	47,300	165
170	57.2	395.6	46,400	59.2	399.9	47,000	61.2	403.4	46,900	170
175	55.9	392.2	46,000	58.0	396.8	46,600	60.0	400.5	46,500	175
180	54.6	388.7	45,500	56.7	393.5	46,200	58.8	397.5	46,000	180
185	53.3	384.9	45,100	55.5	390.1	45,800	57.5	394.3	44,000	185
190	52.0	381.0	44,700	54.2	386.5	45,100	56.3	391.0	42,200	190
195	50.7	377.0	44,300	52.9	382.7	43,200	55.0	387.5	40,400	195
200	49.3	372.7	44,000	51.5	378.8	41,500	53.7	383.8	38,800	200
205	47.9	368.2	42,500	50.2	374.6	39,900	52.4	380.0	37,200	205
210	46.5	363.4	40,900	48.8	370.2	38,300	51.1	376.0	35,700	210
215	45.0	358.5	39,400	47.4	365.7	36,800	49.7	371.7	34,300	215
220	43.5	353.2	37,900	46.0	360.8	35,400	48.3	367.3	32,900	220
225	41.9	347.7	36,500	44.5	355.8	34,000	46.9	362.6	31,600	225
230	40.3	341.9	35,100	43.0	350.4	32,700	45.4	357.7	30,400	230
235	38.7	335.7	33,800	41.4	344.8	31,500	44.0	352.6	29,200	235
240	37.0	329.1	32,600	39.8	338.9	30,300	42.4	347.1	28,100	240
245	35.2	322.1	31,400	38.1	332.5	29,200	40.8	341.4	27,000	245
250	33.3	314.6	30,300	36.4	325.8	28,100	39.2	335.3	25,900	250
255	31.3	306.5	29,200	34.5	318.6	27,000	37.5	328.9	24,900	255
260	29.2	297.7	28,100	32.6	310.9	26,000	35.7	322.0	24,000	260
265	27.0	288.1	26,700	30.6	302.6	25,100	33.9	314.6	23,000	265
270	24.5	277.5	25,100	28.5	293.6	24,100	31.9	306.7	22,100	270
275	21.8	265.5	23,400	26.2	283.7	23,200	29.9	298.2	21,300	275
280	18.8	251.5	21,600	23.6	272.6	22,300	27.7	288.8	20,400	280
285	15.1	234.4	19,800	20.8	260.0	21,300	25.3	278.5	19,600	285
290	10.0	210.8	17,700	17.6	245.1	19,600	22.7	267.0	18,900	290
295				13.5	226.4	17,800	19.7	253.7	18,100	295
300				7.5	197.9	15,700	16.2	237.7	17,300	300
305							11.8	216.7	15,800	305
310							2.9	174.4	13,600	310
315										315
320										320

MLC300 S-2

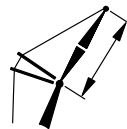
ASME B30.5



386,200 lb



157.5 ft

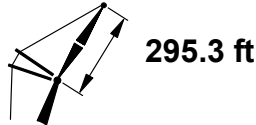
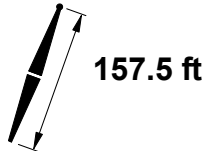
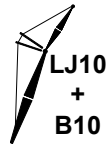


275.6 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175	63.2	404.8	42,800				175
180	62.0	402.2	40,900				180
185	60.8	399.4	39,100				185
190	59.6	396.5	37,400				190
195	58.4	393.4	35,800				195
200	57.2	390.2	34,200				200
205	55.9	386.8	32,800				205
210	54.6	383.2	31,400	57.9	387.9	27,200	210
215	53.3	379.5	30,100	56.7	384.6	26,000	215
220	52.0	375.6	28,800	55.4	381.2	24,800	220
225	50.7	371.5	27,600	54.2	377.6	23,700	225
230	49.3	367.2	26,500	52.8	373.8	22,700	230
235	47.9	362.7	25,400	51.5	369.8	21,600	235
240	46.5	358.0	24,300	50.2	365.7	20,700	240
245	45.0	353.0	23,300	48.8	361.3	19,800	245
250	43.5	347.8	22,400	47.4	356.7	18,900	250
255	41.9	342.3	21,400	45.9	351.9	18,000	255
260	40.3	336.4	20,600	44.5	346.8	17,200	260
265	38.7	330.2	19,700	42.9	341.5	16,400	265
270	37.0	323.7	18,900	41.4	335.8	15,700	270
275	35.2	316.7	18,100	39.7	329.9	14,900	275
280	33.3	309.1	17,300	38.1	323.5	14,200	280
285	31.3	301.1	16,600	36.3	316.8	13,400	285
290	29.2	292.3	15,900	34.5	309.6	12,600	290
295	27.0	282.7	15,200	32.6	301.9	11,900	295
300	24.5	272.0	14,500	30.6	293.6	11,200	300
305	21.8	260.0	13,800				305
310	18.7	246.1	13,200				310
315	15.0	229.0	12,500				315
320	10.0	205.3	11,900				320

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
100	74.5	449.3	45,600						100	
105	73.4	447.8	45,100						105	
110	72.4	446.2	44,600						110	
115	71.4	444.5	44,100						115	
120	70.4	442.8	43,600						120	
125	69.3	440.9	43,000	71.0	443.0	43,100			125	
130	68.3	438.9	42,500	70.0	441.2	42,700			130	
135	67.2	436.8	42,000	69.0	439.3	42,200			135	
140	66.2	434.6	41,500	67.9	437.3	41,800			140	
145	65.1	432.2	41,000	66.9	435.1	41,300	68.6	437.2	40,900	145
150	64.0	429.8	40,500	65.8	432.9	40,900	67.6	435.2	40,500	150
155	62.9	427.2	40,000	64.7	430.5	40,500	66.5	433.0	40,200	155
160	61.8	424.6	39,600	63.7	428.0	40,000	65.4	430.7	39,800	160
165	60.7	421.8	39,100	62.6	425.4	39,600	64.3	428.3	39,500	165
170	59.6	418.8	38,700	61.5	422.7	39,200	63.3	425.8	39,100	170
175	58.5	415.8	38,200	60.3	419.9	38,700	62.2	423.1	38,700	175
180	57.3	412.6	37,800	59.2	416.9	38,300	61.1	420.4	38,400	180
185	56.1	409.2	37,400	58.1	413.8	38,000	59.9	417.5	38,000	185
190	55.0	405.7	37,000	56.9	410.5	37,600	58.8	414.5	37,700	190
195	53.8	402.1	36,600	55.7	407.1	37,200	57.7	411.3	37,300	195
200	52.5	398.2	36,300	54.5	403.6	36,800	56.5	408.0	37,100	200
205	51.3	394.2	35,900	53.3	399.8	36,500	55.3	404.5	36,000	205
210	50.0	390.1	35,600	52.1	396.0	36,100	54.1	400.9	34,500	210
215	48.7	385.7	35,200	50.9	391.9	35,700	52.9	397.1	33,100	215
220	47.4	381.1	34,900	49.6	387.7	34,300	51.7	393.2	31,800	220
225	46.1	376.3	34,600	48.3	383.2	33,000	50.4	389.1	30,500	225
230	44.7	371.3	34,100	47.0	378.6	31,700	49.1	384.8	29,300	230
235	43.3	366.0	32,800	45.6	373.7	30,400	47.8	380.2	28,100	235
240	41.8	360.4	31,600	44.2	368.6	29,300	46.5	375.5	27,000	240
245	40.3	354.6	30,400	42.8	363.2	28,100	45.1	370.6	25,900	245
250	38.8	348.4	29,300	41.3	357.6	27,000	43.7	365.4	24,800	250
255	37.2	341.9	28,200	39.8	351.6	26,000	42.3	359.9	23,800	255
260	35.6	335.0	27,100	38.3	345.3	25,000	40.8	354.1	22,900	260
265	33.8	327.6	26,100	36.6	338.7	24,000	39.3	348.1	22,000	265
270	32.0	319.7	25,200	35.0	331.6	23,100	37.7	341.7	21,100	270
275	30.1	311.2	24,200	33.2	324.0	22,200	36.1	334.9	20,200	275
280	28.1	302.0	22,800	31.4	316.0	21,400	34.4	327.6	19,400	280
285	25.9	292.0	21,300	29.4	307.2	20,500	32.6	319.9	18,600	285
290	23.5	280.8	19,800	27.3	297.8	19,700	30.7	311.6	17,800	290
295	20.9	268.2	18,300	25.1	287.4	18,900	28.7	302.6	17,100	295
300	17.9	253.6	16,800	22.6	275.8	17,900	26.6	292.8	16,400	300
305	14.3	235.6	15,100	19.9	262.6	16,500	24.3	282.1	15,700	305
310	9.3	210.4	13,200	16.7	247.0	15,000	21.7	269.9	15,000	310
315				12.8	227.2	13,300	18.8	256.0	14,300	315
320				6.7	196.2	11,400	15.4	239.2	13,200	320
325							11.0	217.0	11,600	325

MLC300 S-2

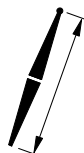
ASME B30.5



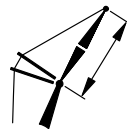
386,200 lb



360°



157.5 ft

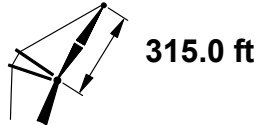
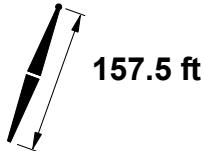
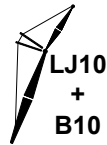


295.3 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185	62.9	421.8	36,800				185
190	61.8	419.1	36,100				190
195	60.7	416.3	34,500				195
200	59.6	413.4	33,000				200
205	58.5	410.3	31,500				205
210	57.3	407.1	30,200				210
215	56.1	403.8	28,800				215
220	55.0	400.3	27,600	58.0	404.9	23,500	220
225	53.8	396.6	26,400	56.9	401.6	22,400	225
230	52.5	392.8	25,300	55.7	398.2	21,400	230
235	51.3	388.8	24,200	54.5	394.6	20,400	235
240	50.0	384.6	23,100	53.3	390.9	19,400	240
245	48.7	380.3	22,100	52.1	387.0	18,500	245
250	47.4	375.7	21,200	50.8	383.0	17,600	250
255	46.1	370.9	20,300	49.6	378.7	16,700	255
260	44.7	365.9	19,400	48.3	374.3	15,800	260
265	43.3	360.6	18,500	46.9	369.6	14,900	265
270	41.8	355.0	17,700	45.6	364.7	14,100	270
275	40.3	349.2	16,900	44.2	359.6	13,200	275
280	38.8	343.0	16,200	42.8	354.2	12,400	280
285	37.2	336.5	15,500	41.3	348.6	11,700	285
290	35.6	329.6	14,700	39.8	342.6	10,900	290
295	33.8	322.2	14,100				295
300	32.0	314.3	13,400				300
305	30.1	305.8	12,600				305
310	28.1	296.6	11,900				310
315	25.9	286.6	11,200				315
320							320
325							325

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
105	74.5	468.4	38,300							105
110	73.6	466.9	37,800							110
115	72.6	465.3	37,300							115
120	71.6	463.6	36,800							120
125	70.7	461.9	36,300							125
130	69.7	460.0	35,700	71.3	462.1	35,900				130
135	68.7	458.1	35,300	70.3	460.4	35,500				135
140	67.8	456.0	34,800	69.4	458.5	35,100				140
145	66.8	453.9	34,300	68.4	456.5	34,900				145
150	65.8	451.6	33,800	67.4	454.4	34,200				150
155	64.8	449.3	33,300	66.4	452.2	33,800	68.0	454.4	33,600	155
160	63.7	446.8	32,900	65.4	449.9	33,400	67.1	452.3	33,200	160
165	62.7	444.2	32,400	64.4	447.5	32,900	66.1	450.1	32,800	165
170	61.7	441.5	32,000	63.4	445.0	32,500	65.1	447.7	32,500	170
175	60.6	438.7	31,600	62.4	442.4	32,000	64.1	445.3	32,100	175
180	59.6	435.8	31,200	61.3	439.7	31,600	63.0	442.8	32,000	180
185	58.5	432.7	30,800	60.3	436.8	31,200	62.0	440.1	31,300	185
190	57.4	429.5	30,400	59.2	433.8	30,800	61.0	437.3	31,000	190
195	56.4	426.2	30,000	58.2	430.7	30,400	59.9	434.4	30,600	195
200	55.2	422.8	29,600	57.1	427.5	30,100	58.8	431.4	30,300	200
205	54.1	419.1	29,300	56.0	424.1	29,700	57.8	428.3	29,900	205
210	53.0	415.4	28,900	54.9	420.6	29,400	56.7	425.0	29,600	210
215	51.8	411.5	28,600	53.7	417.0	29,000	55.6	421.6	29,300	215
220	50.7	407.4	28,300	52.6	413.1	28,700	54.5	418.0	28,900	220
225	49.5	403.1	28,000	51.4	409.2	28,400	53.3	414.3	28,600	225
230	48.2	398.7	27,700	50.2	405.0	28,100	52.2	410.4	28,300	230
235	47.0	394.0	27,400	49.0	400.7	27,800	51.0	406.4	27,100	235
240	45.7	389.2	27,100	47.8	396.2	27,500	49.8	402.2	26,000	240
245	44.4	384.1	26,900	46.6	391.5	27,200	48.6	397.8	24,900	245
250	43.1	378.8	26,600	45.3	386.5	26,100	47.4	393.2	23,900	250
255	41.8	373.2	26,400	44.0	381.4	25,100	46.1	388.4	22,900	255
260	40.4	367.4	26,200	42.6	376.0	24,100	44.8	383.4	21,900	260
265	38.9	361.2	25,200	41.3	370.3	23,100	43.5	378.1	21,000	265
270	37.4	354.7	24,300	39.9	364.4	22,200	42.2	372.6	20,100	270
275	35.9	347.9	23,300	38.4	358.1	21,300	40.8	366.9	19,300	275
280	34.3	340.6	22,400	36.9	351.5	20,400	39.3	360.8	18,500	280
285	32.6	332.9	21,600	35.3	344.5	19,600	37.9	354.4	17,700	285
290	30.8	324.6	20,400	33.7	337.1	18,800	36.3	347.7	16,900	290
295	29.0	315.8	19,100	32.0	329.2	18,000	34.8	340.6	16,200	295
300	27.0	306.1	17,900	30.2	320.7	17,300	33.1	333.0	15,500	300
305	24.9	295.6	16,600	28.3	311.6	16,600	31.4	324.9	14,800	305
310	22.6	284.0	14,400	26.3	301.7	15,900	29.6	316.2	14,100	310
315				24.1	290.9	14,800	27.6	306.9	13,500	315
320				21.7	278.7	13,600	25.6	296.6	12,800	320
325				19.1	264.9	12,300	23.3	285.4	12,200	325
330							20.8	272.7	11,500	330

MLC300 S-2

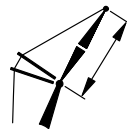
ASME B30.5



386,200 lb



157.5 ft

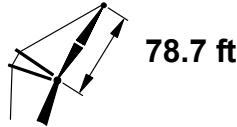
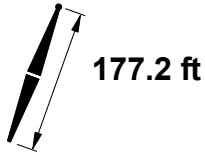
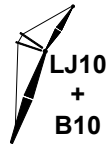


315.0 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190	63.7	441.4	30,200				190
195	62.7	438.8	30,000				195
200	61.7	436.1	29,700				200
205	60.6	433.3	29,500				205
210	59.6	430.4	29,100				210
215	58.5	427.3	27,800				215
220	57.4	424.1	26,500				220
225	56.4	420.8	25,400				225
230	55.2	417.3	24,200	58.1	421.8	20,300	230
235	54.1	413.7	23,200	57.0	418.6	19,200	235
240	53.0	410.0	22,100	56.0	415.2	18,100	240
245	51.8	406.0	21,100	54.8	411.7	17,100	245
250	50.7	401.9	20,200	53.7	408.0	16,100	250
255	49.5	397.7	19,300	52.6	404.2	15,200	255
260	48.2	393.2	18,400	51.4	400.2	14,300	260
265	47.0	388.6	17,500	50.2	396.1	13,400	265
270	45.7	383.7	16,700	49.0	391.7	12,500	270
275	44.4	378.7	15,900	47.8	387.2	11,700	275
280	43.1	373.3	15,100	46.5	382.5	10,900	280
285	41.7	367.8	14,300				285
290	40.3	361.9	13,500				290
295	38.9	355.8	12,700				295
300	37.4	349.3	12,000				300
305	35.9	342.4	11,200				305
310							310
315							315
320							320
325							325
330							330

MLC300 S-2

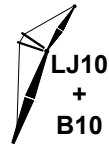
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45	73.2	259.8	254,200 d							45
50	69.3	257.9	238,700 c							50
55	65.3	255.6	224,000 b							55
60	61.1	252.8	210,300 b	68.7	256.6	210,300 c				60
65	56.8	249.6	191,800	64.7	254.2	190,600 b				65
70	52.2	245.7	175,400	60.5	251.4	174,200 b	68.1	254.8	173,100 c	70
75	47.3	241.2	161,500	56.2	248.1	160,500	64.1	252.3	159,400 b	75
80	41.9	235.7	149,700	51.5	244.1	148,700	59.9	249.4	147,700 b	80
85	35.8	229.0	139,500	46.6	239.5	138,500	55.5	246.0	137,600	85
90	28.6	220.4	130,500	41.1	233.9	129,700	50.8	242.0	128,800	90
95	18.7	207.8	122,700	34.9	227.0	121,900	45.8	237.2	121,100	95
100				27.4	218.0	114,900	40.2	231.4	114,200	100
105				16.8	204.3	108,700	33.9	224.3	108,000	105
110							26.1	214.8	102,500	110
115							14.4	199.6	96,600	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-2

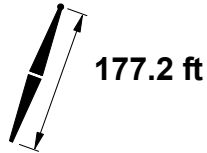
ASME B30.5



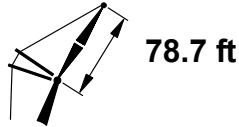
386,200 lb



360°



177.2 ft

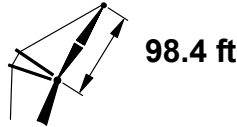
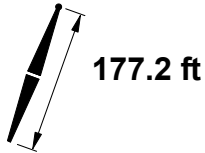
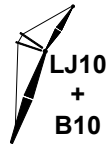


78.7 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.0	246.0	114,500 b							95
100	55.6	242.6	107,300							100
105	51.0	238.6	100,800							105
110	45.9	233.8	94,900							110
115	40.4	228.1	89,600	55.5	237.6	82,400				115
120	34.1	221.0	84,800	50.8	233.6	77,900				120
125	26.4	211.7	80,300	45.7	228.8	73,800				125
130	15.0	196.9	76,000	40.2	223.0	70,100				130
135				33.8	215.8	66,600	50.1	226.8	60,800	135
140				26.1	206.4	63,300	45.0	221.9	57,800	140
145				14.4	191.2	60,100	39.4	216.0	55,100	145
150							32.9	208.6	52,500	150
155							24.8	198.7	50,000	155
160							11.8	181.6	47,500	160

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	73.6	278.9	223,700 c							50
55	70.5	277.1	211,700 b							55
60	67.4	275.0	200,200 b							60
65	64.1	272.6	189,400	70.1	275.8	191,300 b				65
70	60.8	269.8	176,100	66.9	273.7	174,900 b				70
75	57.3	266.6	162,200	63.7	271.2	161,100				75
80	53.7	262.9	150,300	60.3	268.3	149,300	66.4	271.8	148,300 b	80
85	49.9	258.8	140,000	56.8	265.1	139,100	63.2	269.3	138,100	85
90	45.9	254.0	131,100	53.2	261.4	130,200	59.8	266.4	129,300	90
95	41.6	248.4	123,200	49.4	257.1	122,300	56.3	263.1	121,500	95
100	36.8	241.9	116,200	45.3	252.2	115,400	52.6	259.3	114,600	100
105	31.4	234.1	109,900	40.9	246.6	109,200	48.8	254.9	108,200	105
110	24.8	224.0	104,300	36.1	239.9	103,600	44.7	249.9	102,000	110
115	15.7	209.2	99,200	30.5	231.8	98,600	40.2	244.2	96,300	115
120				23.8	221.4	94,000	35.3	237.3	91,200	120
125				14.0	205.2	89,800	29.6	228.9	86,400	125
130							22.6	217.9	82,000	130
135							11.7	199.9	77,800	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-2

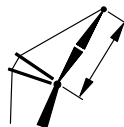
ASME B30.5



386,200 lb



177.2 ft

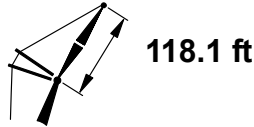
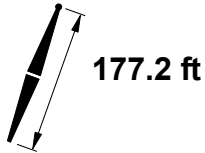
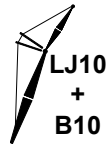


98.4 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	63.3	265.8	106,000							100
105	59.9	262.9	99,600							105
110	56.4	259.6	93,800							110
115	52.8	255.9	88,600							115
120	48.9	251.5	83,900							120
125	44.8	246.6	79,500	56.3	254.6	72,600				125
130	40.4	240.8	75,500	52.6	250.9	68,900				130
135	35.5	234.0	71,800	48.8	246.5	65,500				135
140	29.8	225.7	68,300	44.7	241.5	62,400				140
145	22.9	214.8	65,100	40.2	235.7	59,500	52.1	244.2	53,800	145
150	12.2	197.3	62,000	35.3	228.9	56,700	48.3	239.8	51,300	150
155				29.6	220.5	54,200	44.1	234.7	49,000	155
160				22.6	209.5	51,700	39.6	228.8	46,800	160
165				11.6	191.4	49,300	34.6	221.7	44,800	165
170							28.8	213.1	42,800	170
175							21.4	201.6	40,900	175
180							9.1	180.9	39,000	180

MLC300 S-2

ASME B30.5



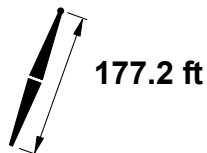
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	73.9	297.9	197,100 b							55
60	71.3	296.2	189,000 b							60
65	68.7	294.3	179,900							65
70	66.1	292.0	171,100	71.0	295.0	175,400 b				70
75	63.4	289.5	162,600	68.4	293.0	161,500				75
80	60.6	286.7	150,700	65.7	290.7	149,700				80
85	57.7	283.6	140,400	63.0	288.2	139,400	67.9	291.1	138,500	85
90	54.7	280.0	131,400	60.2	285.3	130,500	65.3	288.8	129,600	90
95	51.7	276.1	123,500	57.3	282.1	122,700	62.5	286.2	121,800	95
100	48.4	271.7	116,500	54.3	278.5	115,700	59.7	283.3	114,400	100
105	45.0	266.8	110,200	51.2	274.5	109,500	56.8	280.1	107,600	105
110	41.4	261.2	104,600	48.0	270.0	103,900	53.8	276.4	101,400	110
115	37.4	254.8	99,500	44.5	265.0	98,800	50.7	272.4	95,700	115
120	33.1	247.3	94,900	40.8	259.3	94,200	47.4	267.8	90,600	120
125	28.1	238.4	90,600	36.9	252.8	90,000	44.0	262.7	86,000	125
130	22.1	227.0	86,800	32.4	245.2	85,800	40.3	256.9	81,700	130
135	13.5	210.1	83,200	27.4	236.0	81,700	36.2	250.2	77,700	135
140				21.1	224.1	77,800	31.7	242.4	74,100	140
145				11.8	205.6	74,100	26.5	232.9	70,600	145
150							20.0	220.4	67,400	150
155							9.5	199.4	64,300	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-2

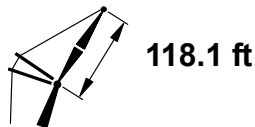
ASME B30.5



386,200 lb



177.2 ft

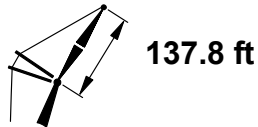
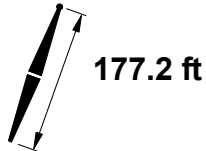
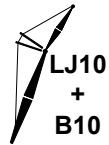


118.1 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.6	282.8	92,900							110
115	59.8	279.9	87,800							115
120	57.0	276.6	83,000							120
125	54.0	273.0	78,700							125
130	50.8	269.0	74,800							130
135	47.6	264.5	71,100	56.8	271.7	64,600				135
140	44.1	259.4	67,800	53.8	268.0	61,500				140
145	40.4	253.6	64,700	50.7	264.0	58,700				145
150	36.4	246.9	61,700	47.4	259.4	56,000				150
155	31.9	239.2	59,000	44.0	254.3	53,500	53.4	261.4	48,100	155
160	26.7	229.7	56,400	40.2	248.5	51,200	50.3	257.3	46,000	160
165	20.3	217.4	54,000	36.2	241.8	49,000	47.0	252.6	44,000	165
170	10.1	197.1	51,600	31.7	234.0	46,900	43.5	247.4	42,100	170
175				26.5	224.5	44,900	39.7	241.5	40,300	175
180				20.0	212.0	43,000	35.6	234.7	38,600	180
185				9.4	190.9	41,100	31.1	226.7	37,000	185
190							25.7	216.9	35,500	190
195							18.9	203.8	34,000	195
200							6.7	179.1	32,400	200

MLC300 S-2

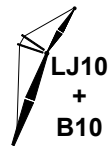
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
60	74.1	317.0	167,400						60	
65	71.9	315.3	165,800						65	
70	69.7	313.5	161,600						70	
75	67.4	311.4	154,600	71.6	314.1	157,900			75	
80	65.1	309.1	147,900	69.4	312.2	150,200			80	
85	62.8	306.5	140,900	67.1	310.1	140,000			85	
90	60.4	303.7	131,900	64.8	307.7	131,000			90	
95	58.0	300.5	124,000	62.5	305.1	123,100	66.8	308.2	120,900	95
100	55.4	297.1	116,900	60.1	302.2	116,100	64.5	305.9	113,300	100
105	52.8	293.3	110,600	57.6	299.1	109,900	62.1	303.2	106,400	105
110	50.1	289.2	105,000	55.1	295.6	104,200	59.7	300.3	100,200	110
115	47.3	284.6	99,800	52.5	291.8	99,200	57.2	297.1	94,600	115
120	44.4	279.5	95,200	49.7	287.6	94,300	54.7	293.5	89,600	120
125	41.2	273.9	91,000	46.9	282.9	89,500	52.1	289.7	84,900	125
130	37.9	267.6	87,100	43.9	277.8	85,000	49.3	285.4	80,700	130
135	34.2	260.4	83,500	40.8	272.1	80,900	46.5	280.7	76,800	135
140	30.2	252.1	80,300	37.4	265.7	77,100	43.5	275.5	73,200	140
145	25.6	242.2	77,200	33.7	258.3	73,600	40.3	269.7	69,800	145
150	19.9	229.6	73,900	29.6	249.8	70,300	36.8	263.1	66,700	150
155	11.7	210.4	68,800	24.9	239.6	67,200	33.1	255.6	63,800	155
160				19.0	226.4	64,300	28.9	246.9	61,000	160
165				10.0	205.3	61,500	24.1	236.4	58,500	165
170							17.9	222.5	56,000	170
175							7.6	198.1	53,500	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-2

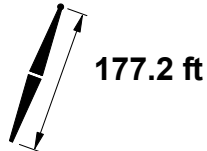
ASME B30.5



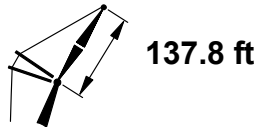
386,200 lb



360°



177.2 ft

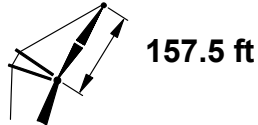
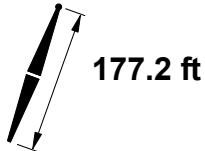
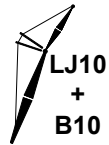


137.8 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.2	299.8	81,700							120
125	59.8	296.8	77,500							125
130	57.3	293.6	73,500							130
135	54.8	290.1	69,900							135
140	52.2	286.3	66,600							140
145	49.4	282.0	63,500	57.2	288.7	57,300				145
150	46.6	277.3	60,600	54.7	285.1	54,700				150
155	43.6	272.1	58,000	52.0	281.3	52,200				155
160	40.4	266.3	55,500	49.3	277.0	49,900				160
165	37.0	259.8	53,100	46.5	272.3	47,800				165
170	33.3	252.4	50,900	43.5	267.1	45,700	51.7	274.6	40,700	170
175	29.1	243.7	48,800	40.3	261.2	43,800	48.9	270.3	39,000	175
180	24.3	233.2	46,800	36.8	254.7	42,000	46.1	265.5	37,300	180
185	18.2	219.5	44,900	33.1	247.2	40,300	43.0	260.2	35,800	185
190	8.2	196.1	42,900	28.9	238.5	38,700	39.8	254.3	34,300	190
195				24.1	227.9	37,100	36.4	247.6	32,900	195
200				17.9	214.1	35,600	32.6	240.0	31,600	200
205				7.5	189.6	34,000	28.3	231.1	30,300	205
210							23.3	220.2	29,000	210
215							16.9	205.6	27,800	215
220							4.1	175.3	26,500	220

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	74.2	336.0	142,000							65
70	72.3	334.4	141,000							70
75	70.4	332.6	138,600							75
80	68.4	330.7	135,500							80
85	66.5	328.5	130,600	70.1	331.4	136,600				85
90	64.4	326.1	125,900	68.2	329.4	131,400				90
95	62.4	323.5	121,100	66.2	327.1	123,500				95
100	60.3	320.6	116,300	64.2	324.7	116,500	67.9	327.5	111,900	100
105	58.2	317.5	111,000	62.1	322.1	110,200	65.9	325.3	105,000	105
110	56.0	314.1	105,300	60.0	319.2	104,200	63.8	322.8	98,900	110
115	53.7	310.5	100,200	57.9	316.1	98,400	61.8	320.2	93,300	115
120	51.4	306.5	95,500	55.6	312.6	93,100	59.7	317.2	88,300	120
125	49.0	302.2	91,300	53.4	308.9	88,300	57.5	314.1	83,600	125
130	46.5	297.5	87,400	51.1	304.9	83,800	55.3	310.6	79,400	130
135	43.9	292.3	83,800	48.6	300.5	79,800	53.0	306.9	75,500	135
140	41.1	286.7	80,100	46.1	295.8	76,000	50.7	302.8	71,900	140
145	38.2	280.4	76,400	43.5	290.6	72,500	48.3	298.4	68,600	145
150	35.1	273.4	73,000	40.7	284.8	69,300	45.7	293.5	65,500	150
155	31.7	265.5	69,900	37.8	278.5	66,200	43.1	288.2	62,600	155
160	27.9	256.4	66,900	34.6	271.4	63,400	40.3	282.4	59,900	160
165	23.5	245.5	64,100	31.2	263.3	60,700	37.3	276.0	57,400	165
170	18.2	231.7	61,300	27.3	254.0	58,200	34.1	268.7	55,000	170
175	10.2	210.3	56,100	22.9	242.8	55,900	30.6	260.5	52,800	175
180				17.3	228.3	53,600	26.7	251.0	50,600	180
185				8.4	204.5	51,300	22.1	239.4	48,600	185
190							16.3	224.1	46,700	190
195							5.8	195.8	44,700	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235

MLC300 S-2

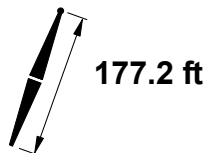
ASME B30.5



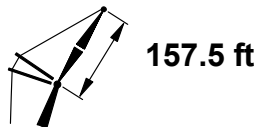
386,200 lb



360°



177.2 ft

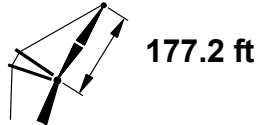
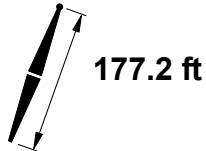
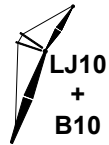


157.5 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.9	319.4	76,000							125
130	61.9	316.7	72,100							130
135	59.7	313.8	68,500							135
140	57.6	310.6	65,200							140
145	55.4	307.2	62,100							145
150	53.1	303.5	59,300							150
155	50.8	299.4	56,600	57.5	305.7	50,700				155
160	48.3	295.0	54,100	55.3	302.2	48,400				160
165	45.8	290.2	51,800	53.0	298.5	46,300				165
170	43.2	284.9	49,600	50.7	294.4	44,300				170
175	40.4	279.1	47,600	48.3	289.9	42,400				175
180	37.4	272.6	45,600	45.7	285.1	40,700	52.7	291.8	35,800	180
185	34.2	265.5	43,800	43.1	279.8	39,000	50.4	287.7	34,300	185
190	30.8	257.3	42,000	40.3	274.0	37,400	47.9	283.2	32,800	190
195	26.8	247.8	40,400	37.3	267.5	35,900	45.4	278.3	31,500	195
200	22.3	236.3	38,800	34.1	260.3	34,400	42.7	272.9	30,200	200
205	16.5	221.3	37,200	30.6	252.1	33,100	39.9	267.0	28,900	205
210	6.5	194.2	35,600	26.7	242.5	31,800	36.9	260.5	27,700	210
215				22.1	231.0	30,500	33.7	253.1	26,600	215
220				16.3	215.7	29,200	30.1	244.8	25,500	220
225				5.7	187.3	27,900	26.1	235.0	24,400	225
230							21.4	223.1	23,400	230
235							15.3	207.0	22,400	235

MLC300 S-2

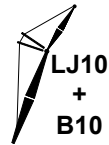
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	74.4	355.1	120,000							70
75	72.7	353.5	119,200							75
80	71.0	351.8	118,300							80
85	69.2	349.9	117,300							85
90	67.5	347.8	116,300	70.7	350.5	116,700				90
95	65.7	345.5	113,600	69.0	348.6	116,400				95
100	63.9	343.1	109,400	67.2	346.5	115,500				100
105	62.1	340.4	105,300	65.4	344.2	109,600	68.7	346.8	103,800	105
110	60.2	337.6	101,300	63.6	341.7	103,100	67.0	344.7	97,600	110
115	58.3	334.5	97,400	61.8	339.0	97,300	65.2	342.3	92,100	115
120	56.4	331.2	93,600	59.9	336.1	92,000	63.4	339.8	87,000	120
125	54.4	327.6	89,900	58.0	333.0	87,200	61.5	337.1	82,400	125
130	52.3	323.7	86,200	56.1	329.7	82,800	59.7	334.2	78,200	130
135	50.2	319.6	82,600	54.1	326.1	78,700	57.7	331.0	74,400	135
140	48.1	315.1	79,200	52.0	322.2	75,000	55.8	327.7	70,800	140
145	45.8	310.3	75,500	49.9	318.0	71,500	53.8	324.0	67,500	145
150	43.5	305.1	72,200	47.8	313.5	68,300	51.7	320.1	64,400	150
155	41.0	299.4	69,000	45.5	308.6	65,300	49.6	315.8	61,500	155
160	38.5	293.2	66,100	43.1	303.3	62,500	47.4	311.3	58,800	160
165	35.7	286.4	63,300	40.7	297.6	59,800	45.1	306.3	56,300	165
170	32.8	278.7	60,700	38.1	291.3	57,300	42.8	301.0	54,000	170
175	29.6	270.2	58,300	35.3	284.3	55,000	40.3	295.2	51,800	175
180	26.0	260.3	55,700	32.3	276.6	52,800	37.7	288.8	49,700	180
185	21.8	248.5	53,300	29.1	267.9	50,700	34.9	281.7	47,700	185
190	16.7	233.4	50,600	25.4	257.8	48,800	31.9	273.9	45,800	190
195	8.8	209.6	46,300	21.2	245.7	46,900	28.6	264.9	44,100	195
200				15.9	229.9	45,100	24.8	254.6	42,400	200
205				7.0	202.9	42,800	20.5	242.1	40,700	205
210							14.9	225.4	39,100	210
215							3.8	191.6	37,500	215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255

MLC300 S-2

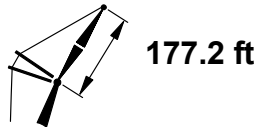
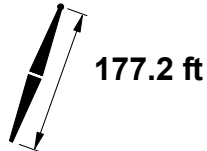
ASME B30.5



386,200 lb



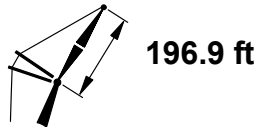
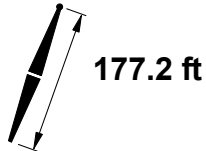
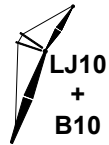
360°



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.4	336.4	67,100							135
140	61.6	333.7	63,900							140
145	59.7	330.8	60,800							145
150	57.8	327.6	58,000							150
155	55.9	324.2	55,300							155
160	53.9	320.6	52,900							160
165	51.8	316.7	50,600	57.7	322.6	44,900				165
170	49.7	312.4	48,400	55.8	319.2	42,900				170
175	47.5	307.9	46,400	53.8	315.6	41,100				175
180	45.2	303.0	44,500	51.7	311.7	39,300				180
185	42.9	297.6	42,700	49.6	307.4	37,700				185
190	40.4	291.8	40,900	47.4	302.9	36,100	53.5	309.0	31,400	190
195	37.8	285.5	39,300	45.1	297.9	34,600	51.4	305.0	30,100	195
200	35.0	278.4	37,800	42.8	292.6	33,200	49.3	300.7	28,800	200
205	32.0	270.6	36,300	40.3	286.7	31,900	47.1	296.1	27,600	205
210	28.7	261.7	34,900	37.7	280.4	30,600	44.8	291.1	26,400	210
215	25.0	251.4	33,500	34.9	273.3	29,400	42.4	285.7	25,300	215
220	20.6	239.0	32,200	31.9	265.4	28,200	39.9	279.8	24,300	220
225	15.1	222.6	31,000	28.6	256.5	27,100	37.3	273.3	23,200	225
230	4.8	191.1	29,600	24.8	246.2	26,000	34.5	266.2	22,300	230
235				20.5	233.6	25,000	31.4	258.2	21,300	235
240				14.8	217.0	23,900	28.1	249.1	20,400	240
245				3.7	183.0	22,800	24.3	238.5	19,600	245
250							19.8	225.6	18,700	250
255							13.9	208.1	17,800	255

MLC300 S-2

ASME B30.5



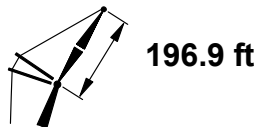
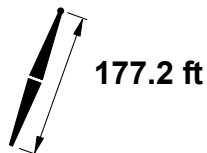
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75	74.5	374.1	101,200							75
80	72.9	372.6	100,700							80
85	71.4	370.9	100,100							85
90	69.8	369.0	99,400							90
95	68.3	367.1	98,700	71.2	369.6	98,400				95
100	66.7	364.9	97,900	69.6	367.8	98,200				100
105	65.1	362.6	97,100	68.1	365.8	97,900				105
110	63.5	360.1	96,300	66.5	363.6	97,600				110
115	61.8	357.4	95,500	64.9	361.2	96,500	67.8	363.9	91,200	115
120	60.1	354.5	93,400	63.2	358.7	91,200	66.2	361.7	86,100	120
125	58.4	351.4	90,200	61.6	356.0	86,400	64.6	359.4	81,500	125
130	56.7	348.2	86,700	59.9	353.1	82,000	63.0	356.8	77,300	130
135	54.9	344.7	82,400	58.2	350.0	77,900	61.3	354.1	73,500	135
140	53.1	340.9	78,500	56.4	346.7	74,200	59.6	351.1	69,900	140
145	51.2	336.9	74,900	54.7	343.1	70,700	57.9	348.0	66,600	145
150	49.3	332.6	71,500	52.8	339.4	67,500	56.2	344.7	63,600	150
155	47.3	328.1	68,400	51.0	335.3	64,500	54.4	341.1	60,700	155
160	45.3	323.1	65,400	49.0	331.0	61,700	52.5	337.3	58,000	160
165	43.2	317.9	62,700	47.1	326.4	59,100	50.7	333.2	55,500	165
170	41.0	312.1	60,100	45.0	321.4	56,700	48.7	328.8	53,200	170
175	38.7	306.0	57,700	42.9	316.1	54,400	46.7	324.2	51,000	175
180	36.2	299.2	55,400	40.6	310.3	52,200	44.7	319.1	48,900	180
185	33.6	291.9	53,300	38.3	304.1	50,100	42.5	313.7	47,000	185
190	30.8	283.7	51,200	35.9	297.2	48,200	40.3	307.9	45,100	190
195	27.8	274.4	49,300	33.2	289.8	46,300	38.0	301.6	43,400	195
200	24.4	263.8	47,400	30.4	281.4	44,600	35.5	294.7	41,700	200
205	20.4	251.2	45,400	27.3	272.0	42,900	32.8	287.1	40,100	205
210	15.4	234.9	42,100	23.8	261.2	41,300	30.0	278.6	38,600	210
215	7.6	208.4	38,400	19.8	248.2	39,800	26.8	269.0	37,200	215
220				14.6	231.1	38,300	23.3	257.9	35,800	220
225				5.6	200.5	35,400	19.1	244.4	34,400	225
230							13.6	226.4	33,100	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275

MLC300 S-2

ASME B30.5



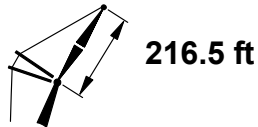
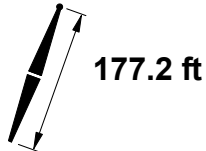
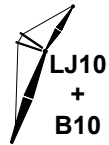
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.0	353.4	59,800							145
150	61.4	350.6	57,000							150
155	59.7	347.7	54,400							155
160	58.0	344.6	52,000							160
165	56.2	341.2	49,700							165
170	54.4	337.7	47,500							170
175	52.6	333.9	45,500	57.9	339.6	40,100				175
180	50.7	329.8	43,600	56.2	336.3	38,400				180
185	48.8	325.4	41,800	54.4	332.7	36,700				185
190	46.8	320.8	40,100	52.5	328.9	35,200				190
195	44.8	315.8	38,500	50.7	324.8	33,700				195
200	42.6	310.4	37,000	48.7	320.4	32,300	52.3	322.2	26,600	200
205	40.4	304.6	35,500	46.7	315.7	31,000	50.4	318.1	25,400	205
210	38.0	298.3	34,100	44.7	310.7	29,700	48.5	313.7	24,400	210
215	35.6	291.4	32,800	42.5	305.3	28,500	46.5	309.0	23,300	215
220	32.9	283.8	31,600	40.3	299.5	27,400	44.4	303.9	22,300	220
225	30.1	275.4	30,400	37.9	293.2	26,300	42.2	298.4	21,400	225
230	26.9	265.8	29,200	35.5	286.2	25,200	40.0	292.5	20,500	230
235	23.4	254.8	28,100	32.8	278.6	24,200	37.6	286.1	19,600	235
240	19.2	241.4	27,000	30.0	270.2	23,300	35.1	279.1	18,700	240
245	13.9	223.6	25,900	26.8	260.6	22,300	32.4	271.4	17,900	245
250	2.5	184.9	24,700	23.3	249.5	21,400	29.6	262.8	17,100	250
255				19.1	236.0	20,500	26.4	253.1	16,400	255
260				13.6	218.0	19,600	22.7	241.7	15,600	260
265							18.4	227.8	14,900	265
270							12.7	208.8	14,200	270
275										275

MLC300 S-2

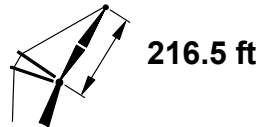
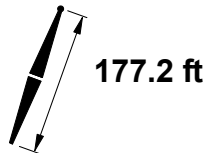
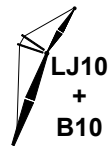
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
80	74.5	393.2	85,800						80	
85	73.1	391.6	85,300						85	
90	71.8	390.0	84,800						90	
95	70.3	388.2	84,300						95	
100	68.9	386.3	83,700	71.6	388.7	83,200			100	
105	67.5	384.2	83,100	70.1	386.9	82,900			105	
110	66.0	382.0	82,500	68.7	385.0	82,700			110	
115	64.6	379.6	81,800	67.3	382.9	82,400			115	
120	63.1	377.1	81,200	65.8	380.6	82,000	68.5	383.2	79,800	120
125	61.6	374.3	80,500	64.4	378.2	81,600	67.1	381.1	79,800	125
130	60.1	371.5	79,900	62.9	375.7	80,900	65.6	378.8	76,100	130
135	58.5	368.4	79,200	61.4	373.0	76,800	64.2	376.4	72,300	135
140	56.9	365.2	77,500	59.9	370.1	73,100	62.7	373.8	68,700	140
145	55.3	361.7	73,900	58.3	367.0	69,600	61.2	371.0	65,400	145
150	53.7	358.0	70,500	56.7	363.7	66,400	59.6	368.1	62,400	150
155	52.0	354.2	67,400	55.1	360.2	63,400	58.1	365.0	59,500	155
160	50.3	350.0	64,500	53.5	356.5	60,700	56.5	361.7	56,900	160
165	48.5	345.6	61,700	51.8	352.6	58,000	54.9	358.2	54,400	165
170	46.7	340.9	59,200	50.1	348.4	55,600	53.2	354.4	52,100	170
175	44.9	335.9	56,700	48.3	344.0	53,300	51.5	350.5	49,900	175
180	42.9	330.6	54,500	46.5	339.3	51,100	49.8	346.3	47,800	180
185	40.9	324.9	52,300	44.6	334.2	49,100	48.0	341.8	45,900	185
190	38.8	318.7	50,300	42.6	328.8	47,200	46.2	337.0	44,000	190
195	36.6	312.1	48,400	40.6	323.1	45,300	44.3	331.9	42,300	195
200	34.3	304.9	46,600	38.5	316.8	43,600	42.3	326.5	40,600	200
205	31.8	297.0	44,800	36.3	310.1	41,900	40.3	320.6	39,100	205
210	29.1	288.2	43,200	34.0	302.8	40,400	38.2	314.4	37,600	210
215	26.2	278.4	41,600	31.5	294.8	38,900	35.9	307.6	36,200	215
220	23.0	267.1	40,000	28.8	285.9	37,400	33.6	300.1	34,800	220
225	19.1	253.5	37,500	25.8	275.9	36,100	31.1	292.0	33,500	225
230	14.3	236.1	34,600	22.5	264.3	34,700	28.3	283.0	32,300	230
235	6.4	206.6	31,400	18.5	250.4	33,500	25.3	272.7	31,100	235
240				13.5	232.1	32,000	21.9	260.9	29,900	240
245				4.0	196.6	28,800	17.9	246.5	28,800	245
250							12.6	227.1	27,700	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285

MLC300 S-2

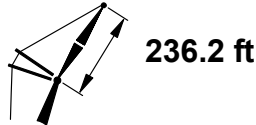
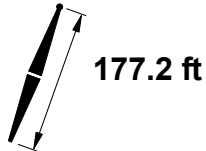
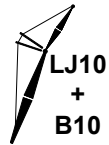
ASME B30.5



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	62.7	370.3	53,100							155
160	61.2	367.6	50,600							160
165	59.7	364.7	48,400							165
170	58.1	361.6	46,200							170
175	56.5	358.3	44,200							175
180	54.9	354.8	42,300							180
185	53.3	351.0	40,600	58.1	356.6	35,300				185
190	51.6	347.1	38,900	56.5	353.3	33,800				190
195	49.9	342.9	37,300	54.9	349.8	32,400				195
200	48.1	338.4	35,800	53.2	346.0	31,000				200
205	46.3	333.6	34,300	51.5	342.1	29,700				205
210	44.4	328.6	33,000	49.8	337.9	28,400				210
215	42.4	323.1	31,700	48.0	333.4	27,200	53.0	339.4	23,000	215
220	40.4	317.3	30,400	46.2	328.6	26,100	51.3	335.4	21,900	220
225	38.3	311.0	29,200	44.3	323.5	25,000	49.6	331.1	21,000	225
230	36.0	304.3	28,100	42.3	318.1	24,000	47.8	326.6	20,000	230
235	33.7	296.9	27,000	40.3	312.2	23,000	45.9	321.8	19,100	235
240	31.1	288.8	26,000	38.2	305.9	22,100	44.0	316.7	18,300	240
245	28.4	279.8	25,000	35.9	299.1	21,200	42.1	311.2	17,400	245
250	25.4	269.6	24,000	33.6	291.7	20,300	40.0	305.3	16,700	250
255	22.0	257.8	23,000	31.0	283.6	19,400	37.9	298.9	15,900	255
260	18.0	243.5	22,100	28.3	274.5	18,600	35.6	292.1	15,100	260
265	12.8	224.4	21,200	25.3	264.3	17,800	33.2	284.6	14,300	265
270				21.9	252.5	17,000	30.7	276.3	13,500	270
275				17.9	238.0	16,300	27.9	267.1	12,800	275
280				12.6	218.6	15,500	24.9	256.7	12,000	280
285							21.4	244.6	11,300	285

MLC300 S-2

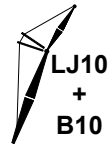
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85	74.6	412.2	72,500							85
90	73.3	410.7	72,100							90
95	72.1	409.1	71,600							95
100	70.8	407.3	71,100							100
105	69.5	405.5	70,600	71.9	407.8	70,100				105
110	68.2	403.4	70,100	70.6	406.1	69,800				110
115	66.8	401.3	69,500	69.3	404.2	69,500				115
120	65.5	399.0	69,000	68.0	402.2	69,200				120
125	64.2	396.6	68,400	66.7	400.0	68,800				125
130	62.8	394.0	67,900	65.3	397.7	68,500	67.8	400.3	66,900	130
135	61.4	391.3	67,300	64.0	395.3	68,100	66.5	398.2	66,800	135
140	60.0	388.4	66,800	62.6	392.7	67,700	65.1	395.8	66,700	140
145	58.6	385.4	66,300	61.2	389.9	67,300	63.8	393.4	64,400	145
150	57.2	382.2	65,800	59.8	387.0	65,500	62.4	390.8	61,400	150
155	55.7	378.7	65,300	58.4	383.9	62,500	61.0	388.0	58,500	155
160	54.2	375.1	63,600	57.0	380.7	59,700	59.6	385.1	55,900	160
165	52.7	371.3	60,900	55.5	377.3	57,100	58.2	382.0	53,400	165
170	51.1	367.3	58,300	54.0	373.6	54,700	56.7	378.7	51,100	170
175	49.5	363.1	55,900	52.5	369.8	52,400	55.3	375.2	48,900	175
180	47.9	358.6	53,600	50.9	365.7	50,200	53.8	371.6	46,900	180
185	46.2	353.8	51,500	49.3	361.5	48,200	52.2	367.7	44,900	185
190	44.5	348.7	49,500	47.7	356.9	46,300	50.7	363.6	43,100	190
195	42.7	343.4	47,600	46.0	352.1	44,500	49.0	359.3	41,400	195
200	40.9	337.6	45,700	44.2	347.0	42,700	47.4	354.7	39,700	200
205	38.9	331.5	44,000	42.5	341.6	41,100	45.7	349.9	38,200	205
210	36.9	324.9	42,400	40.6	335.8	39,500	44.0	344.7	36,700	210
215	34.8	317.9	40,800	38.7	329.6	38,000	42.2	339.2	35,300	215
220	32.6	310.2	39,300	36.7	323.0	36,600	40.3	333.4	33,900	220
225	30.2	301.8	37,900	34.5	315.8	35,300	38.4	327.1	32,600	225
230	27.7	292.5	36,500	32.3	308.0	34,000	36.3	320.4	31,400	230
235	24.9	282.0	35,200	29.9	299.5	32,700	34.2	313.2	30,200	235
240	21.7	270.0	33,000	27.3	290.1	31,500	31.9	305.3	29,100	240
245	18.0	255.6	30,800	24.5	279.4	30,400	29.5	296.6	28,000	245
250	13.3	237.0	28,400	21.2	267.2	29,300	26.9	287.0	27,000	250
255	5.2	203.9	25,500	17.5	252.4	28,200	24.0	276.2	25,900	255
260				12.5	232.8	26,000	20.7	263.6	25,000	260
265				1.7	188.4	23,200	16.8	248.3	24,000	265
270							11.6	227.5	23,100	270
275										275
280										280
285										285
290										290
295										295
300										300

MLC300 S-2

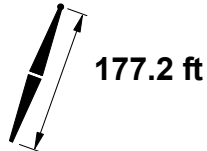
ASME B30.5



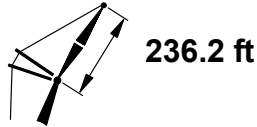
386,200 lb



360°



177.2 ft

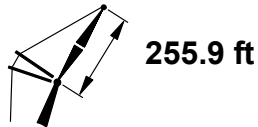
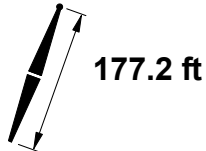
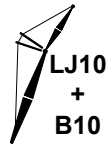


236.2 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.8	389.9	49,600							160
165	62.4	387.3	47,300							165
170	61.1	384.5	45,200							170
175	59.7	381.6	43,200							175
180	58.2	378.5	41,300							180
185	56.8	375.3	39,500							185
190	55.3	371.8	37,800							190
195	53.8	368.2	36,300	58.2	373.5	31,300				195
200	52.3	364.3	34,800	56.7	370.3	29,900				200
205	50.7	360.2	33,300	55.3	366.8	28,600				205
210	49.1	355.9	32,000	53.7	363.2	27,400				210
215	47.5	351.3	30,700	52.2	359.3	26,200				215
220	45.8	346.5	29,500	50.6	355.2	25,100				220
225	44.0	341.4	28,300	49.0	350.9	24,000	53.5	356.5	19,900	225
230	42.2	335.9	27,200	47.4	346.3	23,000	52.0	352.6	18,900	230
235	40.4	330.1	26,100	45.7	341.5	22,000	50.4	348.5	18,000	235
240	38.4	323.8	25,000	44.0	336.3	21,100	48.8	344.2	17,100	240
245	36.4	317.1	24,100	42.2	330.8	20,200	47.2	339.5	16,200	245
250	34.3	309.9	23,100	40.3	325.0	19,300	45.5	334.7	15,300	250
255	32.0	302.0	22,200	38.4	318.7	18,500	43.7	329.5	14,400	255
260	29.6	293.4	21,300	36.3	312.0	17,700	41.9	323.9	13,600	260
265	27.0	283.9	20,400	34.2	304.8	16,900	40.1	318.0	12,900	265
270	24.1	273.1	19,600	31.9	296.9	16,200	38.1	311.7	12,100	270
275	20.8	260.5	18,800	29.5	288.2	15,400	36.1	304.9	11,400	275
280	17.0	245.3	18,000	26.9	278.6	14,700				280
285	11.8	224.8	17,200	24.0	267.8	14,000				285
290				20.7	255.2	13,400				290
295				16.8	239.8	12,600				295
300				11.6	219.0	11,900				300

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
90	74.6	431.3	61,500							90
95	73.5	429.8	61,000							95
100	72.3	428.2	60,600							100
105	71.1	426.4	60,100							105
110	69.9	424.6	59,600							110
115	68.7	422.7	59,100	71.0	425.2	58,900				115
120	67.5	420.6	58,600	69.8	423.3	58,600				120
125	66.3	418.4	58,100	68.6	421.4	58,200				125
130	65.1	416.1	57,600	67.3	419.3	57,900				130
135	63.8	413.6	57,100	66.1	417.1	57,500	68.4	419.6	56,200	135
140	62.5	411.0	56,600	64.9	414.7	57,100	67.2	417.5	56,000	140
145	61.3	408.3	56,100	63.6	412.3	56,700	65.9	415.2	55,800	145
150	60.0	405.4	55,600	62.4	409.6	56,300	64.7	412.9	55,600	150
155	58.7	402.3	55,200	61.1	406.9	55,900	63.4	410.4	55,400	155
160	57.3	399.1	54,700	59.8	404.0	55,600	62.2	407.7	54,700	160
165	56.0	395.8	54,300	58.5	400.9	55,200	60.9	404.9	52,200	165
170	54.6	392.2	53,800	57.2	397.7	53,600	59.6	402.0	49,900	170
175	53.2	388.5	53,400	55.8	394.3	51,300	58.3	398.9	47,700	175
180	51.8	384.6	52,600	54.4	390.7	49,100	56.9	395.7	45,700	180
185	50.3	380.4	50,500	53.0	387.0	47,100	55.6	392.3	43,800	185
190	48.9	376.1	48,500	51.6	383.0	45,200	54.2	388.7	41,900	190
195	47.3	371.5	46,600	50.1	378.8	43,400	52.8	384.9	40,200	195
200	45.8	366.7	44,700	48.6	374.5	41,700	51.4	380.9	38,600	200
205	44.2	361.5	43,000	47.1	369.8	40,000	49.9	376.7	37,000	205
210	42.5	356.1	41,400	45.6	365.0	38,500	48.4	372.3	35,600	210
215	40.8	350.4	39,900	44.0	359.8	37,000	46.9	367.6	34,100	215
220	39.1	344.3	38,400	42.3	354.3	35,600	45.3	362.7	32,800	220
225	37.2	337.8	37,000	40.6	348.5	34,200	43.7	357.5	31,500	225
230	35.3	330.8	35,600	38.8	342.4	33,000	42.0	352.0	30,300	230
235	33.3	323.3	34,200	37.0	335.8	31,700	40.3	346.1	29,100	235
240	31.1	315.1	32,400	35.0	328.8	30,500	38.5	339.9	28,000	240
245	28.9	306.2	30,700	33.0	321.2	29,400	36.7	333.3	27,000	245
250	26.4	296.4	28,900	30.8	312.9	28,300	34.7	326.2	25,900	250
255	23.7	285.4	27,200	28.5	303.9	27,300	32.7	318.5	24,900	255
260	20.6	272.7	25,600	26.0	294.0	26,300	30.5	310.1	24,000	260
265	17.0	257.5	24,000	23.3	282.7	25,300	28.2	301.0	23,100	265
270	12.4	237.6	22,500	20.2	269.8	24,300	25.6	290.9	22,200	270
275	3.9	199.9	20,200	16.5	254.1	22,700	22.8	279.4	21,300	275
280				11.7	233.2	20,600	19.6	266.1	20,500	280
285							15.8	249.9	19,600	285
290							10.7	227.6	18,500	290
295										295
300										300
305										305

MLC300 S-2

ASME B30.5



386,200 lb



177.2 ft

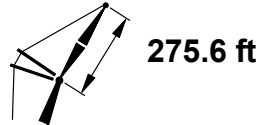
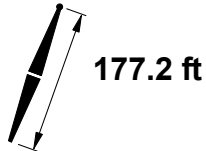
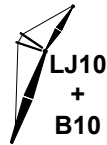


255.9 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170	63.5	406.9	43,900				170
175	62.2	404.3	41,900				175
180	60.9	401.5	40,000				180
185	59.6	398.6	38,200				185
190	58.3	395.5	36,600				190
195	57.0	392.2	35,000				195
200	55.6	388.8	33,500				200
205	54.3	385.2	32,100	58.3	390.5	27,200	205
210	52.9	381.5	30,700	56.9	387.3	26,000	210
215	51.4	377.5	29,500	55.6	383.8	24,900	215
220	50.0	373.3	28,200	54.2	380.2	23,800	220
225	48.5	368.9	27,100	52.8	376.5	22,700	225
230	46.9	364.2	26,000	51.4	372.5	21,700	230
235	45.4	359.3	24,900	49.9	368.3	20,700	235
240	43.8	354.1	23,900	48.4	363.9	19,800	240
245	42.1	348.6	22,900	46.9	359.2	18,900	245
250	40.4	342.8	21,900	45.3	354.3	18,000	250
255	38.6	336.6	21,000	43.7	349.1	17,200	255
260	36.7	330.0	20,200	42.0	343.6	16,400	260
265	34.8	322.9	19,300	40.3	337.7	15,600	265
270	32.7	315.2	18,500	38.5	331.5	14,800	270
275	30.6	306.9	17,700	36.7	324.9	14,000	275
280	28.2	297.8	17,000	34.7	317.7	13,200	280
285	25.7	287.7	16,300	32.7	310.0	12,500	285
290	22.9	276.3	15,500	30.5	301.7	11,800	290
295	19.8	263.1	14,800	28.2	292.6	11,100	295
300	16.0	247.0	14,200				300
305	10.9	225.0	13,500				305

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
95	74.7	450.3	51,600							95
100	73.6	448.8	51,100							100
105	72.5	447.2	50,600							105
110	71.4	445.6	50,200							110
115	70.3	443.8	49,700							115
120	69.2	441.9	49,200	71.3	444.3	49,200				120
125	68.1	439.8	48,700	70.2	442.5	48,800				125
130	67.0	437.7	48,300	69.0	440.6	48,400				130
135	65.8	435.5	47,800	67.9	438.6	48,100				135
140	64.7	433.1	47,300	66.8	436.4	47,700	68.9	438.8	46,800	140
145	63.5	430.6	46,900	65.7	434.1	47,300	67.8	436.7	46,600	145
150	62.3	428.0	46,400	64.5	431.8	46,900	66.6	434.6	46,300	150
155	61.1	425.2	46,000	63.3	429.2	46,500	65.5	432.3	46,000	155
160	59.9	422.3	45,500	62.2	426.6	46,100	64.3	429.9	45,800	160
165	58.7	419.3	45,100	61.0	423.8	45,700	63.2	427.4	45,500	165
170	57.5	416.1	44,700	59.8	420.9	45,400	62.0	424.7	45,200	170
175	56.2	412.8	44,300	58.6	417.9	45,000	60.8	421.9	44,900	175
180	55.0	409.3	43,900	57.3	414.7	44,600	59.6	419.0	44,600	180
185	53.7	405.6	43,500	56.1	411.3	44,200	58.4	415.9	42,800	185
190	52.4	401.8	43,100	54.8	407.8	43,900	57.1	412.7	41,000	190
195	51.0	397.7	42,800	53.5	404.1	42,500	55.9	409.3	39,300	195
200	49.7	393.5	42,400	52.2	400.2	40,800	54.6	405.7	37,700	200
205	48.3	389.1	42,100	50.9	396.2	39,200	53.3	402.0	36,100	205
210	46.9	384.4	40,600	49.5	391.9	37,600	52.0	398.1	34,700	210
215	45.4	379.5	39,100	48.1	387.4	36,200	50.6	394.0	33,300	215
220	43.9	374.3	37,600	46.7	382.7	34,700	49.3	389.7	31,900	220
225	42.4	368.9	36,200	45.2	377.8	33,400	47.9	385.2	30,700	225
230	40.8	363.1	34,800	43.7	372.6	32,100	46.4	380.5	29,400	230
235	39.2	357.0	33,500	42.2	367.1	30,900	45.0	375.5	28,300	235
240	37.5	350.6	32,300	40.6	361.3	29,700	43.5	370.3	27,200	240
245	35.7	343.7	31,100	38.9	355.2	28,600	41.9	364.7	26,100	245
250	33.8	336.3	30,000	37.2	348.6	27,500	40.3	358.9	25,100	250
255	31.9	328.4	28,900	35.4	341.7	26,500	38.7	352.7	24,100	255
260	29.8	319.8	27,900	33.6	334.2	25,500	36.9	346.1	23,200	260
265	27.6	310.5	26,500	31.6	326.2	24,500	35.2	339.1	22,200	265
270	25.2	300.2	24,900	29.5	317.6	23,600	33.3	331.6	21,400	270
275	22.6	288.6	23,300	27.3	308.1	22,700	31.3	323.5	20,500	275
280	19.6	275.2	21,500	24.9	297.6	21,900	29.2	314.7	19,700	280
285	16.2	259.2	19,800	22.2	285.8	21,000	26.9	305.1	18,900	285
290	11.6	238.0	17,900	19.2	272.2	19,600	24.5	294.4	18,100	290
295		192.8	15,600	15.6	255.6	17,900	21.8	282.4	17,400	295
300	2.2			10.8	233.3	16,000	18.7	268.4	16,700	300
305							15.0	251.2	15,900	305
310							9.9	227.4	14,200	310
315										315

MLC300 S-2

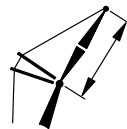
ASME B30.5



386,200 lb



177.2 ft

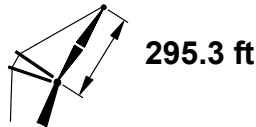
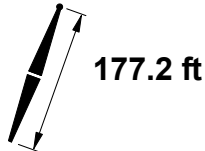
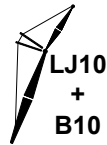


275.6 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180	63.2	423.9	39,000				180
185	62.0	421.2	37,200				185
190	60.8	418.5	35,600				190
195	59.6	415.5	34,000				195
200	58.4	412.5	32,500				200
205	57.2	409.2	31,100				205
210	55.9	405.9	29,800				210
215	54.6	402.3	28,500	58.4	407.5	23,800	215
220	53.4	398.6	27,300	57.1	404.3	22,700	220
225	52.0	394.7	26,100	55.9	400.9	21,700	225
230	50.7	390.6	25,000	54.6	397.3	20,700	230
235	49.3	386.3	23,900	53.3	393.6	19,700	235
240	47.9	381.8	22,900	52.0	389.7	18,800	240
245	46.5	377.1	22,000	50.6	385.6	17,800	245
250	45.0	372.2	21,000	49.3	381.3	16,900	250
255	43.5	366.9	20,100	47.9	376.8	16,000	255
260	42.0	361.4	19,300	46.4	372.1	15,100	260
265	40.4	355.6	18,400	45.0	367.1	14,200	265
270	38.7	349.4	17,600	43.5	361.9	13,400	270
275	37.0	342.8	16,900	41.9	356.3	12,600	275
280	35.2	335.8	16,100	40.3	350.5	11,900	280
285	33.3	328.3	15,400	38.7	344.3	11,100	285
290	31.4	320.2	14,700				290
295	29.3	311.5	14,000				295
300	27.0	301.9	13,400				300
305	24.6	291.3	12,600				305
310	21.9	279.3	11,900				310
315	18.8	265.4	11,200				315

MLC300 S-2

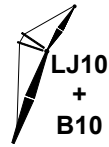
ASME B30.5



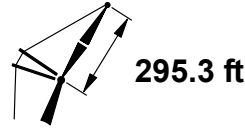
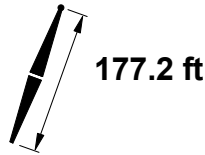
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
100	74.7	469.3	43,600							100
105	73.7	467.9	43,200							105
110	72.7	466.3	42,700							110
115	71.7	464.7	42,300							115
120	70.7	462.9	41,800							120
125	69.6	461.0	41,400	71.5	463.4	41,400				125
130	68.6	459.1	40,900	70.5	461.6	41,000				130
135	67.5	457.0	40,500	69.5	459.8	40,600				135
140	66.5	454.8	40,000	68.4	457.8	40,300				140
145	65.4	452.5	39,600	67.4	455.7	39,900				145
150	64.3	450.1	39,100	66.3	453.5	39,500	68.3	456.0	39,000	150
155	63.2	447.6	38,700	65.3	451.2	39,100	67.2	453.9	38,700	155
160	62.1	445.0	38,300	64.2	448.8	38,700	66.2	451.7	38,400	160
165	61.0	442.2	37,900	63.1	446.2	38,400	65.1	449.3	38,100	165
170	59.9	439.3	37,500	62.0	443.6	38,000	64.0	446.9	37,800	170
175	58.8	436.3	37,100	60.9	440.8	37,600	62.9	444.3	37,500	175
180	57.6	433.1	36,700	59.8	437.9	37,300	61.8	441.7	37,200	180
185	56.5	429.8	36,300	58.6	434.8	36,900	60.7	438.9	36,900	185
190	55.3	426.3	35,900	57.5	431.6	36,600	59.6	435.9	36,600	190
195	54.1	422.7	35,600	56.3	428.3	36,200	58.4	432.9	36,300	195
200	52.9	418.9	35,200	55.1	424.8	35,900	57.3	429.6	36,100	200
205	51.6	415.0	34,900	53.9	421.2	35,600	56.1	426.3	35,000	205
210	50.4	410.9	34,600	52.7	417.4	35,200	54.9	422.8	33,500	210
215	49.1	406.5	34,300	51.5	413.4	34,900	53.7	419.1	32,100	215
220	47.8	402.0	34,000	50.2	409.3	33,700	52.5	415.3	30,800	220
225	46.5	397.3	33,700	48.9	404.9	32,300	51.3	411.3	29,500	225
230	45.1	392.3	33,500	47.6	400.4	31,100	50.0	407.1	28,300	230
235	43.7	387.1	32,500	46.3	395.6	29,800	48.7	402.7	27,100	235
240	42.2	381.6	31,300	44.9	390.6	28,700	47.4	398.2	26,000	240
245	40.8	375.9	30,100	43.5	385.4	27,600	46.1	393.4	25,000	245
250	39.2	369.8	29,000	42.0	379.8	26,500	44.7	388.3	24,000	250
255	37.7	363.4	27,900	40.6	374.0	25,400	43.3	383.0	23,000	255
260	36.0	356.6	26,900	39.0	367.9	24,500	41.8	377.5	22,100	260
265	34.3	349.3	25,900	37.4	361.4	23,500	40.3	371.6	21,100	265
270	32.5	341.6	24,900	35.8	354.6	22,600	38.8	365.5	20,300	270
275	30.6	333.3	23,800	34.1	347.3	21,700	37.2	358.9	19,400	275
280	28.6	324.3	22,400	32.3	339.5	20,900	35.5	352.0	18,600	280
285	26.5	314.5	21,100	30.4	331.1	20,000	33.8	344.6	17,900	285
290	24.2	303.7	19,700	28.4	322.0	19,200	32.0	336.7	17,100	290
295	21.6	291.5	18,200	26.2	312.0	18,500	30.1	328.2	16,400	295
300	18.8	277.5	16,700	23.9	301.0	17,700	28.0	319.0	15,700	300
305	15.3	260.6	15,200	21.3	288.7	16,300	25.9	308.9	15,000	305
310	10.9	238.2	13,400	18.3	274.4	14,900	23.5	297.8	14,300	310
315				14.8	256.9	13,400	20.8	285.1	13,600	315
320				10.1	233.2	11,700	17.8	270.4	13,000	320
325							14.2	252.4	11,600	325

MLC300 S-2

ASME B30.5



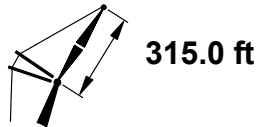
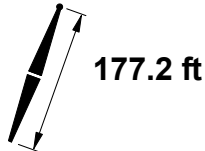
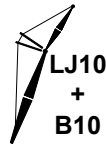
386,200 lb



	75°		
ft	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180			
185			
190	63.0	440.9	34,300
195	61.9	438.2	32,700
200	60.7	435.4	31,200
205	59.6	432.5	29,800
210	58.5	429.4	28,500
215	57.3	426.2	27,200
220	56.2	422.9	26,000
225	55.0	419.4	24,900
230	53.8	415.7	23,800
235	52.6	411.9	22,700
240	51.3	407.9	21,700
245	50.0	403.7	20,700
250	48.8	399.4	19,800
255	47.4	394.8	18,900
260	46.1	390.0	18,100
265	44.7	385.0	17,300
270	43.3	379.7	16,500
275	41.9	374.1	15,700
280	40.4	368.3	14,800
285	38.8	362.1	14,000
290	37.2	355.6	13,200
295	35.6	348.7	12,500
300	33.9	341.3	11,700
305	32.0	333.5	11,000
310			
315			
320			
325			

MLC300 S-2

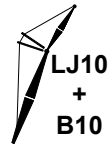
ASME B30.5



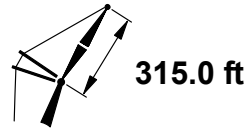
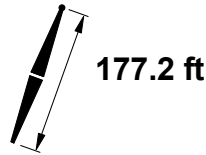
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
105	75.0	488.7	36,700						105	
110	74.0	487.3	36,300						110	
115	73.1	485.7	35,900						115	
120	72.1	484.1	35,400						120	
125	71.2	482.4	35,000						125	
130	70.2	480.6	34,600	72.0	482.9	34,700			130	
135	69.2	478.7	34,100	71.0	481.2	34,300			135	
140	68.3	476.7	33,700	70.1	479.4	33,900			140	
145	67.3	474.6	33,200	69.1	477.4	33,500			145	
150	66.3	472.4	32,800	68.1	475.4	33,200			150	
155	65.3	470.1	32,400	67.1	473.3	32,800	68.9	475.7	32,500	155
160	64.3	467.7	32,000	66.1	471.1	32,400	68.0	473.6	32,200	160
165	63.2	465.2	31,600	65.1	468.8	32,000	67.0	471.5	31,900	165
170	62.2	462.6	31,200	64.1	466.4	31,700	66.0	469.3	31,500	170
175	61.2	459.8	30,800	63.1	463.8	31,300	65.0	466.9	31,200	175
180	60.1	456.9	30,400	62.1	461.2	30,900	64.0	464.5	30,900	180
185	59.1	453.9	30,100	61.0	458.4	30,600	62.9	461.9	30,600	185
190	58.0	450.8	29,700	60.0	455.5	30,200	61.9	459.3	30,300	190
195	56.9	447.6	29,400	58.9	452.5	29,900	60.9	456.5	30,000	195
200	55.8	444.2	29,000	57.8	449.4	29,500	59.8	453.6	29,700	200
205	54.7	440.6	28,700	56.8	446.1	29,200	58.8	450.5	29,300	205
210	53.6	437.0	28,400	55.7	442.7	28,900	57.7	447.4	29,000	210
215	52.4	433.1	28,100	54.5	439.1	28,600	56.6	444.1	28,800	215
220	51.3	429.1	27,800	53.4	435.4	28,300	55.5	440.7	28,500	220
225	50.1	424.9	27,500	52.3	431.6	28,000	54.4	437.1	28,200	225
230	48.9	420.6	27,200	51.1	427.5	27,700	53.2	433.4	27,400	230
235	47.6	416.0	26,900	49.9	423.3	27,400	52.1	429.5	26,300	235
240	46.4	411.3	26,700	48.7	419.0	27,100	50.9	425.4	25,200	240
245	45.1	406.3	26,500	47.5	414.4	26,700	49.7	421.2	24,100	245
250	43.8	401.1	26,200	46.2	409.6	25,700	48.5	416.8	23,100	250
255	42.4	395.7	26,000	44.9	404.6	24,600	47.3	412.2	22,100	255
260	41.1	390.0	25,800	43.6	399.4	23,600	46.0	407.4	21,200	260
265	39.6	384.0	25,100	42.3	393.9	22,700	44.7	402.3	20,300	265
270	38.2	377.7	24,100	40.9	388.2	21,800	43.4	397.1	19,400	270
275	36.7	371.0	23,200	39.4	382.1	20,900	42.0	391.6	18,600	275
280	35.1	364.0	22,300	38.0	375.8	20,000	40.7	385.8	17,800	280
285	33.5	356.5	21,300	36.5	369.1	19,200	39.2	379.7	17,000	285
290	31.7	348.5	20,000	34.9	362.0	18,400	37.7	373.3	16,300	290
295	29.9	340.0	18,900	33.2	354.4	17,700	36.2	366.5	15,500	295
300	28.0	330.8	17,600	31.5	346.4	16,900	34.6	359.4	14,800	300
305	26.0	320.7	16,400	29.7	337.7	16,200	33.0	351.7	14,200	305
310	23.8	309.7	14,800	27.8	328.4	15,500	31.2	343.6	13,500	310
315				25.7	318.3	14,500	29.4	334.9	12,700	315
320				23.5	307.1	13,300	27.5	325.4	12,000	320
325				21.0	294.5	12,100	25.4	315.1	11,300	325

MLC300 S-2

ASME B30.5



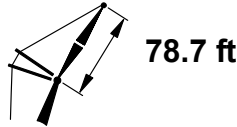
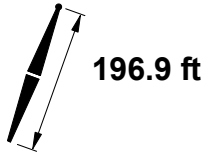
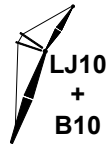
386,200 lb



ft	75°		
	ft	ft	lb
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180			
185			
190			
195	64.0	461.0	28,900
200	63.0	458.5	28,900
205	62.0	455.8	28,600
210	60.9	453.0	27,600
215	59.9	450.1	26,300
220	58.8	447.1	25,100
225	57.7	444.0	23,900
230	56.6	440.7	22,800
235	55.5	437.2	21,800
240	54.4	433.7	20,800
245	53.3	429.9	19,800
250	52.1	426.1	18,900
255	51.0	422.0	17,900
260	49.8	417.8	17,000
265	48.6	413.4	16,100
270	47.3	408.8	15,200
275	46.1	404.0	14,300
280	44.8	399.0	13,500
285	43.4	393.7	12,700
290	42.1	388.2	11,900
295	40.7	382.4	11,200
300			
305			
310			
315			
320			
325			

MLC300 S-2

ASME B30.5



	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.2	279.9	231,300 d						45	
50	70.4	278.1	217,900 c						50	
55	66.4	275.9	205,000 c						55	
60	62.3	273.3	192,800 b	70.6	277.1	199,700 d			60	
65	58.0	270.1	181,300 b	66.7	274.9	188,400 c			65	
70	53.5	266.5	170,700	62.6	272.3	175,400 b			70	
75	48.7	262.1	160,800	58.3	269.3	161,600 b	66.9	273.4	160,400 c	75
80	43.4	256.9	150,800	53.8	265.6	149,700	62.8	270.8	148,600 b	80
85	37.6	250.6	140,500	49.0	261.3	139,500	58.5	267.8	138,500 b	85
90	30.7	242.7	131,500	43.8	256.2	130,600	54.0	264.2	129,600	90
95	21.9	231.6	123,600	38.0	250.0	122,700	49.2	259.9	121,500	95
100				31.2	242.2	115,700	44.1	254.9	113,800	100
105				22.6	231.4	109,500	38.3	248.7	106,900	105
110							31.6	241.0	100,600	110
115							23.1	230.4	94,900	115
120							6.6	208.3	89,400	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165

MLC300 S-2

ASME B30.5



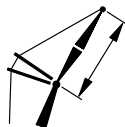
386,200 lb



360°



196.9 ft

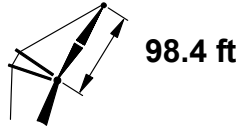
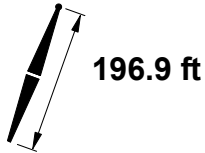
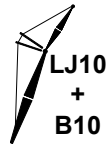


78.7 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	60.1	265.1	103,600 b							100
105	55.7	261.7	97,400							105
110	51.1	257.7	91,700							110
115	46.0	252.9	86,600							115
120	40.5	247.2	81,900	57.0	257.3	73,900 b				120
125	34.2	240.2	77,600	52.4	253.5	70,000				125
130	26.6	230.9	73,600	47.5	249.0	66,500				130
135	15.3	216.3	69,700	42.2	243.6	63,100				135
140				36.2	237.0	60,100	53.3	247.5	53,600	140
145				29.0	228.5	57,200	48.5	243.1	51,000	145
150				19.3	216.2	54,400	43.2	237.9	48,600	150
155							37.3	231.6	46,400	155
160							30.4	223.5	44,200	160
165							21.4	212.2	42,100	165

MLC300 S-2

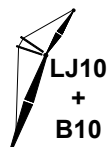
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	74.4	298.9	197,800 c							50
55	71.4	297.2	193,300 c							55
60	68.2	295.2	183,100 b							60
65	65.0	292.9	173,400 b	71.6	296.3	178,500 c				65
70	61.7	290.2	164,200	68.4	294.3	169,500 b				70
75	58.3	287.1	155,600	65.2	292.0	160,900 b				75
80	54.7	283.6	147,500	61.9	289.3	150,300	68.6	292.7	149,200 b	80
85	51.0	279.6	140,000	58.5	286.2	140,000	65.4	290.4	138,700 b	85
90	47.1	275.0	132,000	55.0	282.7	131,000	62.1	287.8	129,000	90
95	42.8	269.7	124,100	51.3	278.8	123,200	58.7	284.8	120,400	95
100	38.2	263.5	117,000	47.3	274.2	116,200	55.2	281.3	112,800	100
105	33.0	256.0	110,700	43.1	269.0	109,900	51.5	277.3	106,000	105
110	26.8	246.7	105,100	38.5	262.8	104,300	47.5	272.8	99,900	110
115	18.7	233.8	99,900	33.3	255.5	99,200	43.3	267.6	94,400	115
120				27.2	246.3	94,300	38.7	261.5	89,300	120
125				19.4	233.7	89,300	33.6	254.2	84,700	125
130							27.6	245.2	80,400	130
135							19.8	232.9	76,400	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

MLC300 S-2

ASME B30.5



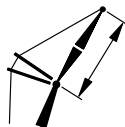
386,200 lb



360°



196.9 ft

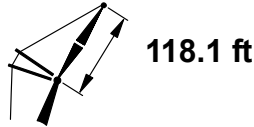
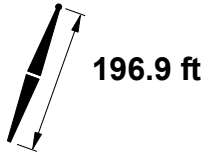
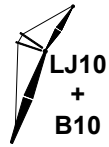


98.4 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.3	284.9	96,100							105
110	60.0	282.0	90,500							110
115	56.5	278.7	85,400							115
120	52.9	275.0	80,800							120
125	49.0	270.6	76,600							125
130	44.9	265.7	72,800	57.5	274.3	65,100				130
135	40.5	260.0	69,200	53.9	270.7	61,900				135
140	35.6	253.2	65,900	50.1	266.6	58,900				140
145	30.0	244.9	62,800	46.1	261.8	56,200				145
150	23.0	234.1	59,800	41.8	256.3	53,600				150
155	12.5	216.8	57,000	37.1	249.9	51,100	50.9	260.6	45,100	155
160				31.7	242.1	48,800	46.9	256.0	43,100	160
165				25.2	232.2	46,700	42.6	250.6	41,200	165
170				16.3	217.8	44,500	38.0	244.4	39,400	170
175							32.7	236.9	37,600	175
180							26.5	227.5	36,000	180
185							18.3	214.3	34,400	185

MLC300 S-2

ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft		
55	74.6	318.0	169,900 c						55	
60	72.0	316.3	167,300 b						60	
65	69.4	314.5	164,300						65	
70	66.8	312.3	156,600						70	
75	64.1	309.9	149,200	69.6	313.5	153,200 b			75	
80	61.3	307.2	142,100	67.0	311.4	146,200			80	
85	58.5	304.1	135,400	64.3	309.0	139,400			85	
90	55.6	300.7	129,100	61.5	306.2	131,400	67.1	309.8	128,100	90
95	52.5	296.9	123,100	58.7	303.2	123,500	64.4	307.4	119,600	95
100	49.3	292.6	117,300	55.8	299.8	116,500	61.7	304.7	112,100	100
105	46.0	287.8	111,000	52.7	296.0	110,200	58.8	301.7	105,300	105
110	42.4	282.4	105,400	49.5	291.8	104,600	55.9	298.4	99,200	110
115	38.6	276.3	100,200	46.2	287.0	99,300	52.9	294.6	93,700	115
120	34.3	269.1	95,600	42.6	281.7	94,000	49.7	290.4	88,700	120
125	29.6	260.7	91,300	38.8	275.6	89,200	46.4	285.7	84,100	125
130	23.9	250.1	87,400	34.6	268.5	84,700	42.8	280.3	79,900	130
135	16.4	235.4	83,900	29.9	260.2	80,600	39.0	274.3	76,100	135
140				24.3	249.8	76,800	34.8	267.3	72,500	140
145				17.0	235.5	73,200	30.2	259.0	69,100	145
150							24.6	248.8	66,000	150
155							17.4	234.8	63,000	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205

MLC300 S-2

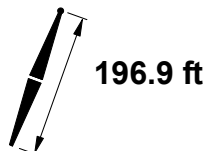
ASME B30.5



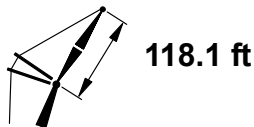
386,200 lb



360°



196.9 ft

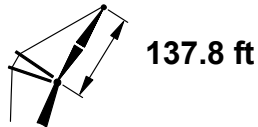
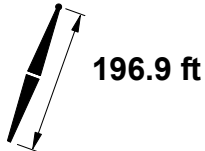
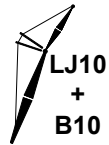


118.1 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.7	301.9	84,500							115
120	59.9	299.0	79,900							120
125	57.0	295.7	75,800							125
130	54.0	292.1	72,000							130
135	50.9	288.1	68,400							135
140	47.6	283.6	65,200	57.9	291.3	58,000				140
145	44.2	278.5	62,200	54.9	287.8	55,200				145
150	40.5	272.7	59,400	51.8	283.9	52,700				150
155	36.4	266.1	56,700	48.6	279.5	50,300				155
160	32.0	258.3	54,200	45.2	274.6	48,100				160
165	26.8	249.0	51,900	41.6	269.1	46,000	52.4	277.9	40,200	165
170	20.4	236.7	49,700	37.7	262.7	44,100	49.2	273.6	38,500	170
175	10.4	216.7	47,500	33.3	255.4	42,200	45.8	268.8	36,800	175
180				28.4	246.5	40,400	42.3	263.4	35,200	180
185				22.4	235.3	38,700	38.4	257.2	33,800	185
190				14.1	218.9	37,100	34.2	250.0	32,300	190
195							29.4	241.5	31,000	195
200							23.7	230.8	29,700	200
205							16.0	215.8	28,400	205

MLC300 S-2

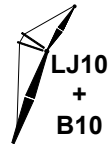
ASME B30.5



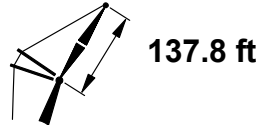
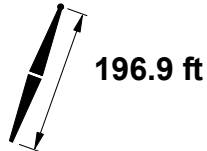
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	74.7	337.0	146,000 b							60
65	72.5	335.4	144,300							65
70	70.3	333.6	142,300							70
75	68.1	331.6	140,100							75
80	65.8	329.4	135,300	70.4	332.7	138,300				80
85	63.4	326.9	129,500	68.2	330.7	132,600				85
90	61.1	324.1	123,900	65.9	328.4	127,000				90
95	58.6	321.1	118,600	63.6	325.9	121,600	68.3	329.1	118,300	95
100	56.1	317.7	113,500	61.2	323.2	116,400	66.0	326.9	110,800	100
105	53.6	314.0	108,700	58.8	320.2	110,500	63.7	324.4	104,100	105
110	50.9	310.0	104,200	56.3	316.8	104,100	61.4	321.7	98,000	110
115	48.1	305.5	99,800	53.7	313.2	98,300	58.9	318.7	92,600	115
120	45.2	300.6	95,700	51.1	309.2	93,100	56.4	315.4	87,600	120
125	42.1	295.2	91,600	48.3	304.7	88,300	53.9	311.7	83,000	125
130	38.8	289.1	87,700	45.4	299.9	83,900	51.2	307.7	78,900	130
135	35.3	282.1	84,200	42.3	294.4	79,800	48.4	303.3	75,000	135
140	31.4	274.2	80,600	39.0	288.4	76,100	45.5	298.5	71,500	140
145	26.9	264.8	76,900	35.5	281.5	72,600	42.5	293.1	68,200	145
150	21.6	253.1	73,500	31.6	273.6	69,400	39.2	287.1	65,200	150
155	14.5	236.6	68,500	27.2	264.3	66,300	35.7	280.2	62,300	155
160				22.0	252.8	63,500	31.8	272.4	59,600	160
165				15.1	236.8	60,700	27.5	263.2	57,100	165
170							22.3	251.8	54,700	170
175							15.5	236.2	52,400	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225

MLC300 S-2

ASME B30.5



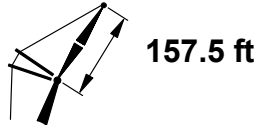
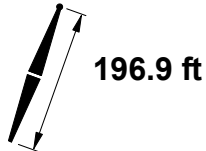
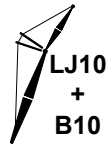
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.2	318.8	74,400							125
130	59.8	315.9	70,600							130
135	57.4	312.7	67,100							135
140	54.8	309.2	63,900							140
145	52.2	305.4	60,900							145
150	49.5	301.1	58,200	58.1	308.3	51,300				150
155	46.6	296.4	55,600	55.6	304.9	49,000				155
160	43.6	291.2	53,200	53.0	301.1	46,800				160
165	40.5	285.5	50,900	50.3	297.0	44,700				165
170	37.0	279.0	48,800	47.5	292.5	42,800				170
175	33.3	271.5	46,700	44.5	287.4	41,000	53.5	295.1	35,400	175
180	29.2	262.9	44,800	41.4	281.8	39,300	50.8	291.0	33,900	180
185	24.4	252.5	43,000	38.1	275.6	37,700	48.0	286.5	32,400	185
190	18.3	238.9	41,200	34.4	268.4	36,100	45.1	281.6	31,000	190
195	8.5	215.8	39,500	30.4	260.2	34,700	42.0	276.1	29,700	195
200				25.8	250.4	33,300	38.7	270.0	28,500	200
205				20.3	237.9	31,900	35.1	263.0	27,300	205
210				12.3	219.4	30,500	31.2	255.0	26,200	210
215							26.7	245.5	25,100	215
220							21.4	233.7	24,000	220
225							14.1	216.9	22,900	225

MLC300 S-2

ASME B30.5



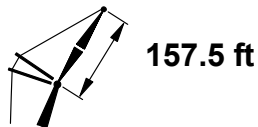
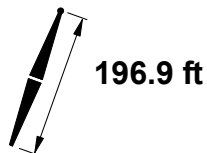
ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
65	74.8	356.1	125,500							65
70	72.9	354.5	124,500							70
75	70.9	352.8	123,100							75
80	69.0	350.9	121,600							80
85	67.0	348.7	119,900	71.1	351.8	121,700				85
90	65.0	346.4	117,600	69.1	349.9	120,000				90
95	63.0	343.8	112,900	67.1	347.8	115,300				95
100	60.9	341.1	108,500	65.1	345.5	110,800				100
105	58.7	338.0	104,200	63.1	342.9	106,400	67.2	346.2	102,700	105
110	56.6	334.7	100,000	61.0	340.1	102,200	65.2	343.9	96,600	110
115	54.3	331.2	96,100	58.9	337.1	97,100	63.2	341.4	91,200	115
120	52.0	327.3	92,400	56.7	333.9	91,800	61.1	338.7	86,200	120
125	49.6	323.0	88,800	54.5	330.3	87,000	59.0	335.6	81,700	125
130	47.2	318.4	85,300	52.2	326.4	82,700	56.8	332.4	77,600	130
135	44.6	313.4	82,000	49.8	322.2	78,600	54.6	328.8	73,700	135
140	41.9	307.9	78,800	47.3	317.7	74,900	52.3	325.0	70,200	140
145	39.0	301.8	75,700	44.8	312.7	71,500	49.9	320.8	67,000	145
150	36.0	295.1	72,600	42.1	307.2	68,300	47.5	316.3	63,900	150
155	32.6	287.4	69,500	39.2	301.1	65,300	44.9	311.3	61,100	155
160	29.0	278.7	66,500	36.2	294.4	62,500	42.2	305.8	58,500	160
165	24.8	268.4	63,700	32.9	286.9	59,900	39.4	299.8	56,000	165
170	19.8	255.6	60,500	29.2	278.2	57,400	36.3	293.1	53,600	170
175	12.9	237.3	55,900	25.1	268.0	55,000	33.0	285.6	51,400	175
180				20.2	255.4	52,800	29.4	277.0	49,400	180
185				13.5	237.7	50,700	25.3	267.0	47,400	185
190							20.4	254.5	45,500	190
195							13.9	237.2	43,700	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245

MLC300 S-2

ASME B30.5



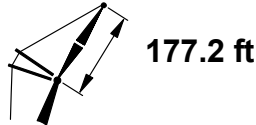
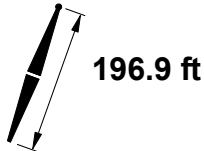
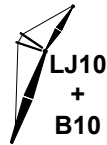
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	64.0	338.5	69,100							130
135	61.9	335.8	65,700							135
140	59.8	332.9	62,500							140
145	57.6	329.7	59,500							145
150	55.4	326.3	56,700							150
155	53.2	322.5	54,200							155
160	50.8	318.5	51,800	58.3	325.3	45,200				160
165	48.4	314.1	49,500	56.1	321.9	43,200				165
170	45.9	309.3	47,400	53.8	318.3	41,300				170
175	43.2	304.0	45,400	51.5	314.3	39,500				175
180	40.4	298.2	43,600	49.1	310.0	37,800				180
185	37.5	291.8	41,800	46.6	305.3	36,200				185
190	34.3	284.6	40,100	44.0	300.2	34,700	51.9	308.3	29,500	190
195	30.8	276.5	38,500	41.3	294.6	33,300	49.6	304.1	28,200	195
200	26.9	267.0	37,000	38.4	288.3	32,000	47.1	299.4	27,000	200
205	22.4	255.6	35,500	35.2	281.4	30,700	44.5	294.4	25,800	205
210	16.6	240.6	34,100	31.9	273.6	29,400	41.8	288.9	24,700	210
215	6.9	214.2	32,600	28.1	264.5	28,200	38.9	282.8	23,700	215
220				23.8	253.8	27,100	35.8	276.0	22,700	220
225				18.5	240.1	25,900	32.5	268.3	21,700	225
230				10.8	219.4	24,800	28.8	259.5	20,800	230
235							24.6	249.1	19,900	235
240							19.6	236.2	19,000	240
245							12.6	217.5	18,100	245

MLC300 S-2

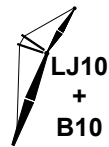
ASME B30.5



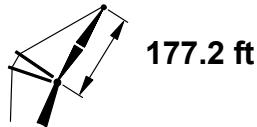
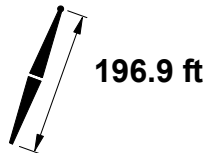
ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70	74.8	375.1	107,800							70
75	73.1	373.6	107,000							75
80	71.4	371.9	106,000							80
85	69.7	370.0	104,900							85
90	68.0	368.0	103,800	71.5	370.9	104,600				90
95	66.2	365.8	102,500	69.8	369.1	104,200				95
100	64.4	363.4	101,300	68.1	367.1	103,600				100
105	62.6	360.8	99,600	66.3	364.9	101,400				105
110	60.7	358.0	95,900	64.5	362.5	97,800	68.2	365.5	95,300	110
115	58.8	355.0	92,400	62.7	359.9	94,200	66.4	363.3	89,900	115
120	56.9	351.7	89,000	60.8	357.1	90,700	64.6	361.0	85,000	120
125	54.9	348.2	85,800	59.0	354.1	85,900	62.8	358.4	80,500	125
130	52.9	344.5	82,500	57.0	350.9	81,600	60.9	355.6	76,300	130
135	50.8	340.4	79,600	55.1	347.4	77,600	59.1	352.6	72,500	135
140	48.7	336.0	76,600	53.0	343.6	73,900	57.1	349.4	69,000	140
145	46.4	331.3	73,900	51.0	339.6	70,400	55.2	345.9	65,800	145
150	44.1	326.2	71,100	48.8	335.2	67,200	53.1	342.2	62,800	150
155	41.7	320.7	68,400	46.6	330.5	64,300	51.1	338.2	60,000	155
160	39.2	314.6	65,700	44.3	325.4	61,500	48.9	333.8	57,300	160
165	36.5	307.9	62,900	41.9	319.9	58,900	46.7	329.1	54,900	165
170	33.6	300.6	60,300	39.3	313.9	56,500	44.4	324.1	52,600	170
175	30.5	292.3	57,900	36.7	307.3	54,200	42.0	318.6	50,400	175
180	27.0	282.8	55,600	33.8	300.0	52,000	39.5	312.6	48,400	180
185	23.1	271.6	53,400	30.7	291.7	49,900	36.8	306.0	46,400	185
190	18.3	257.7	50,000	27.3	282.4	48,000	34.0	298.7	44,600	190
195	11.6	237.7	46,000	23.3	271.3	46,100	30.9	290.6	42,900	195
200				18.6	257.6	44,300	27.4	281.2	41,200	200
205				12.1	238.2	42,600	23.5	270.3	39,600	205
210							18.9	256.8	38,100	210
215							12.6	237.9	36,600	215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255
260										260
265										265

MLC300 S-2

ASME B30.5



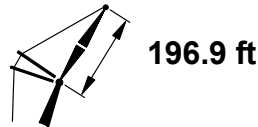
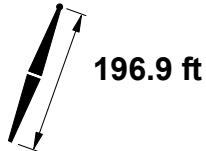
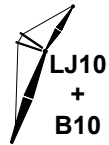
386,200 lb



ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.5	355.4	61,100							140
145	61.6	352.7	58,100							145
150	59.8	349.8	55,400							150
155	57.8	346.7	52,900							155
160	55.9	343.3	50,500							160
165	53.9	339.7	48,300							165
170	51.8	335.8	46,200	58.4	342.2	39,900				170
175	49.7	331.5	44,200	56.5	338.9	38,100				175
180	47.5	327.0	42,400	54.5	335.4	36,500				180
185	45.3	322.1	40,600	52.4	331.6	34,900				185
190	42.9	316.8	39,000	50.3	327.4	33,400				190
195	40.4	311.0	37,400	48.2	323.0	32,000				195
200	37.8	304.6	35,900	45.9	318.2	30,700	52.8	325.5	25,600	200
205	35.0	297.6	34,500	43.6	313.0	29,400	50.7	321.4	24,400	205
210	32.0	289.8	33,100	41.2	307.3	28,200	48.6	317.0	23,400	210
215	28.7	280.9	31,800	38.6	301.1	27,000	46.4	312.3	22,300	215
220	25.1	270.7	30,600	35.9	294.3	25,900	44.0	307.2	21,400	220
225	20.7	258.3	29,400	32.9	286.8	24,900	41.6	301.6	20,400	225
230	15.2	242.0	28,200	29.7	278.2	23,800	39.1	295.5	19,500	230
235	5.2	211.5	26,900	26.2	268.5	22,900	36.4	288.8	18,600	235
240				22.1	256.8	21,900	33.5	281.4	17,800	240
245				17.0	242.0	21,000	30.3	273.1	17,000	245
250				9.4	219.0	20,000	26.9	263.6	16,200	250
255							22.9	252.3	15,500	255
260							18.1	238.3	14,600	260
265							11.2	217.8	13,800	265

MLC300 S-2

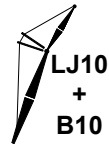
ASME B30.5



ft	86°			83°			80°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75	74.9	394.2	92,000							75
80	73.3	392.7	91,400							80
85	71.8	391.0	90,800							85
90	70.3	389.2	90,000							90
95	68.7	387.3	89,200	71.9	390.0	89,400				95
100	67.1	385.1	88,400	70.4	388.2	89,100				100
105	65.5	382.9	87,600	68.8	386.3	88,800				105
110	63.9	380.4	86,700	67.2	384.2	88,400				110
115	62.3	377.8	85,800	65.6	381.9	87,900	68.9	384.7	86,100	115
120	60.6	375.0	84,800	64.0	379.5	86,500	67.3	382.7	84,000	120
125	58.9	371.9	82,200	62.4	376.9	83,600	65.7	380.4	79,500	125
130	57.2	368.7	79,400	60.7	374.1	80,600	64.1	378.0	75,400	130
135	55.4	365.3	76,700	59.0	371.1	76,800	62.5	375.4	71,600	135
140	53.6	361.6	74,000	57.3	367.8	73,100	60.8	372.6	68,100	140
145	51.7	357.7	71,400	55.5	364.4	69,600	59.1	369.6	64,900	145
150	49.8	353.5	68,900	53.7	360.8	66,500	57.4	366.4	61,900	150
155	47.9	349.0	66,600	51.9	356.8	63,500	55.6	363.0	59,100	155
160	45.9	344.2	64,300	50.0	352.7	60,800	53.8	359.3	56,500	160
165	43.8	339.0	62,000	48.0	348.2	58,200	52.0	355.4	54,100	165
170	41.6	333.4	59,700	46.0	343.4	55,700	50.1	351.2	51,800	170
175	39.3	327.4	57,300	43.9	338.2	53,500	48.1	346.8	49,600	175
180	36.9	320.8	55,000	41.7	332.7	51,300	46.1	342.0	47,600	180
185	34.3	313.6	52,900	39.5	326.7	49,300	44.0	336.9	45,700	185
190	31.6	305.6	50,900	37.1	320.1	47,400	41.8	331.3	43,900	190
195	28.6	296.7	48,900	34.5	313.0	45,500	39.6	325.3	42,200	195
200	25.3	286.5	47,100	31.8	305.1	43,800	37.2	318.8	40,500	200
205	21.6	274.5	44,400	28.8	296.2	42,200	34.7	311.7	39,000	205
210	16.9	259.5	41,400	25.6	286.2	40,600	31.9	303.9	37,500	210
215	10.4	237.6	38,100	21.8	274.3	39,100	29.0	295.1	36,100	215
220				17.3	259.6	37,600	25.7	285.1	34,700	220
225				11.0	238.4	35,300	22.0	273.3	33,400	225
230							17.5	258.8	32,200	230
235							11.4	238.1	30,900	235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275

MLC300 S-2

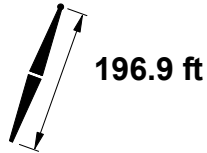
ASME B30.5



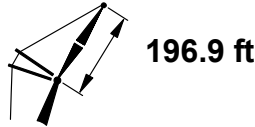
386,200 lb



360°



196.9 ft

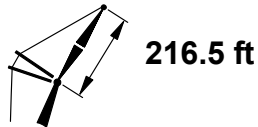
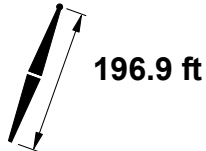
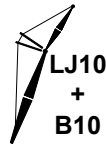


196.9 ft

ft	75°			70°			65°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.1	372.4	54,400							150
155	61.4	369.7	51,900							155
160	59.7	366.8	49,500							160
165	58.0	363.7	47,300							165
170	56.3	360.3	45,200							170
175	54.5	356.8	43,300							175
180	52.6	353.0	41,500	58.5	359.2	35,400				180
185	50.8	348.9	39,700	56.8	355.9	33,900				185
190	48.8	344.5	38,100	55.0	352.5	32,400				190
195	46.9	339.9	36,500	53.2	348.7	31,000				195
200	44.8	334.9	35,100	51.3	344.7	29,700				200
205	42.7	329.5	33,700	49.4	340.5	28,500				205
210	40.4	323.7	32,300	47.4	335.9	27,300	53.5	342.6	22,300	210
215	38.1	317.4	31,100	45.4	331.0	26,100	51.7	338.7	21,300	215
220	35.6	310.5	29,900	43.3	325.7	25,000	49.8	334.5	20,400	220
225	33.0	303.0	28,700	41.1	320.1	24,000	47.8	330.0	19,400	225
230	30.1	294.5	27,600	38.8	313.9	23,000	45.8	325.1	18,500	230
235	27.0	285.0	26,500	36.3	307.2	22,100	43.7	319.9	17,700	235
240	23.5	274.0	25,500	33.8	299.9	21,100	41.5	314.3	16,800	240
245	19.3	260.7	24,500	31.0	291.7	20,300	39.2	308.3	15,900	245
250	14.0	243.1	23,500	27.9	282.5	19,400	36.8	301.7	15,100	250
255	3.3	206.6	22,400	24.5	272.0	18,600	34.2	294.5	14,300	255
260				20.6	259.5	17,800	31.5	286.5	13,500	260
265				15.7	243.5	17,000	28.5	277.5	12,700	265
270				8.2	218.1	16,100	25.2	267.3	12,000	270
275							21.4	255.2	11,200	275

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ft	86°			83°			80°			ft
	ft	ft	lb	ft	lb	ft	lb	ft	lb	
80	74.9	413.2	78,700							80
85	73.5	411.7	78,300							85
90	72.1	410.1	77,800							90
95	70.7	408.3	77,200							95
100	69.3	406.4	76,600							100
105	67.9	404.4	76,000	70.8	407.4	76,100				105
110	66.4	402.2	75,400	69.4	405.5	75,900				110
115	65.0	399.9	74,700	68.0	403.5	75,600				115
120	63.5	397.4	74,000	66.5	401.3	75,200				120
125	62.0	394.7	73,300	65.1	399.0	74,800	68.1	401.9	73,300	125
130	60.5	391.9	72,600	63.6	396.5	74,400	66.6	399.8	73,200	130
135	58.9	388.9	72,000	62.1	393.8	73,900	65.2	397.4	70,400	135
140	57.4	385.7	70,900	60.6	391.0	71,800	63.7	395.0	66,900	140
145	55.8	382.3	68,600	59.0	388.0	68,500	62.2	392.3	63,700	145
150	54.1	378.7	66,300	57.5	384.8	65,300	60.7	389.5	60,700	150
155	52.5	374.9	64,100	55.9	381.4	62,400	59.1	386.5	57,900	155
160	50.8	370.8	62,000	54.3	377.9	59,600	57.6	383.4	55,300	160
165	49.0	366.5	59,900	52.6	374.0	57,100	56.0	380.0	52,900	165
170	47.2	361.9	58,000	50.9	370.0	54,700	54.3	376.4	50,600	170
175	45.4	357.0	56,000	49.1	365.7	52,400	52.7	372.6	48,500	175
180	43.5	351.8	54,100	47.3	361.1	50,300	51.0	368.6	46,400	180
185	41.5	346.1	52,000	45.5	356.2	48,200	49.2	364.3	44,500	185
190	39.4	340.1	49,900	43.6	351.0	46,300	47.4	359.7	42,700	190
195	37.2	333.6	48,000	41.6	345.4	44,500	45.6	354.8	41,000	195
200	34.9	326.6	46,200	39.5	339.4	42,800	43.7	349.6	39,400	200
205	32.5	318.9	44,500	37.4	333.0	41,200	41.7	344.1	37,900	205
210	29.9	310.4	42,800	35.1	325.9	39,600	39.6	338.1	36,400	210
215	27.1	300.8	41,300	32.7	318.3	38,200	37.5	331.7	35,000	215
220	23.9	290.0	39,100	30.1	309.8	36,700	35.2	324.7	33,700	220
225	20.3	277.2	36,600	27.3	300.4	35,400	32.8	317.0	32,400	225
230	15.8	261.1	34,000	24.1	289.6	34,100	30.2	308.6	31,200	230
235	9.3	237.2	31,200	20.5	277.0	32,800	27.4	299.3	30,000	235
240				16.1	261.2	31,300	24.3	288.6	28,900	240
245				9.9	238.2	28,700	20.7	276.0	27,800	245
250							16.4	260.5	26,700	250
255							10.3	238.1	25,700	255
260										260
265										265
270										270
275										275
280										280
285										285
290										290

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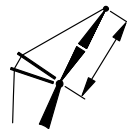
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386,200 lb



196.9 ft



216.5 ft

ft	75°			70°			ft
	ft	ft	lb	ft	ft	lb	
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160	62.7	389.4	48,100				160
165	61.2	386.7	46,000				165
170	59.7	383.7	43,900				170
175	58.1	380.6	42,000				175
180	56.6	377.3	40,100				180
185	54.9	373.8	38,400				185
190	53.3	370.1	36,800	58.6	376.2	31,000	190
195	51.6	366.2	35,300	57.0	372.9	29,600	195
200	49.9	362.0	33,800	55.4	369.5	28,300	200
205	48.1	357.5	32,400	53.8	365.8	27,100	205
210	46.3	352.8	31,100	52.1	362.0	25,900	210
215	44.4	347.7	29,900	50.4	357.8	24,800	215
220	42.4	342.3	28,700	48.6	353.5	23,700	220
225	40.4	336.4	27,500	46.8	348.8	22,700	225
230	38.3	330.2	26,400	45.0	343.8	21,700	230
235	36.1	323.4	25,400	43.0	338.5	20,800	235
240	33.7	316.0	24,400	41.0	332.8	19,900	240
245	31.2	307.9	23,400	38.9	326.7	19,000	245
250	28.5	299.0	22,500	36.7	320.1	18,200	250
255	25.5	288.8	21,600	34.4	312.9	17,400	255
260	22.1	277.1	20,700	31.9	305.0	16,600	260
265	18.1	262.8	19,800	29.3	296.3	15,900	265
270	12.9	243.8	19,000	26.4	286.5	15,200	270
275				23.1	275.3	14,400	275
280				19.4	261.9	13,600	280
285				14.6	244.7	12,800	285
290				7.1	216.6	12,000	290