

Liftcrane Luffing Jib Capacities

**Luffing Jib No. LJ10:501 on Boom No. B10:500
with 397,300 lb Fixed Position Counterweight
at 13.4 ft Position
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. 9610-A** for allowable boom point configurations for 157.5 ft and 177.2 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. 9610-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. 9611-A**.



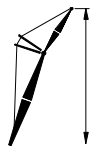
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



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



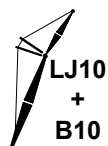
LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



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 397,300 lb Fixed Position Counterweight.

Explanation of Symbols



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



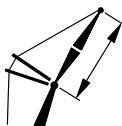
Fixed Position Counterweight



360 Degree Rating



Boom Length



Luffing Jib Length



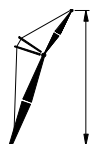
Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



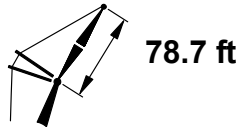
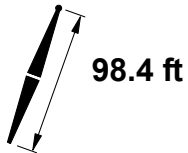
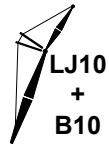
Luffing Jib Elevation
(see page 1)

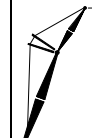
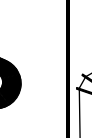


Lifting Capacities
(see page 1)

This page intentionally left blank

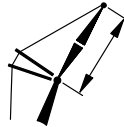
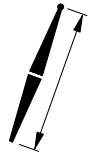
REFERENCE ONLY!

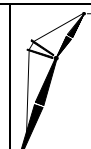
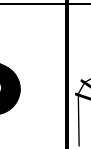


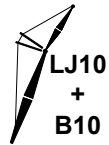
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
38	74.3	181.7	330,700 c							38
40	72.8	181.1	311,800 c							40
45	68.9	179.1	283,600 b							45
50	64.9	176.8	252,500 b	69.0	178.6	246,100 b				50
55	60.7	174.0	222,000	65.0	176.3	216,400 b				55
60	56.3	170.7	197,800	60.9	173.5	192,800	65.1	175.5	187,700 b	60
65	51.7	166.7	178,100	56.5	170.2	173,500	61.0	172.7	169,000	65
70	46.8	162.1	161,700	51.9	166.3	157,600	56.6	169.4	153,500	70
75	41.3	156.6	147,800	47.0	161.7	144,100	52.0	165.6	140,300	75
80	35.2	149.7	135,900	41.5	156.2	132,500	47.1	161.0	129,100	80
85	27.7	140.9	125,600	35.4	149.4	122,500	41.7	155.5	119,300	85
90	17.4	127.5	116,300	28.1	140.7	113,600	35.6	148.8	110,700	90
95				17.9	127.6	105,700	28.3	140.1	103,100	95
100							18.3	127.3	96,200	100
105										105
110										110
115										115
120										120
125										125



397,300 lb



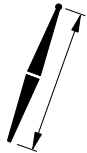
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70	63.9	172.6		146,600						70
75	59.7	169.7		134,000						75
80	55.3	166.3		123,300						80
85	50.6	162.2		114,000	58.2	165.8	108,700			85
90	45.5	157.4		105,800	53.7	162.1	100,900			90
95	39.9	151.5		98,600	48.9	157.8	94,000			95
100	33.6	144.3		92,200	43.7	152.7	87,900	51.8	157.0	100
105	25.7	134.8		86,300	37.8	146.4	82,400	46.8	152.4	105
110	13.7	119.0		80,900	31.0	138.6	77,400	41.4	146.8	110
115					22.3	127.7	72,800	35.3	140.0	115
120								27.9	131.2	120
125								17.6	117.9	125



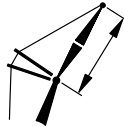
397,300 lb



360°



98.4 ft

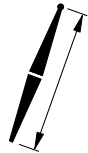


98.4 ft

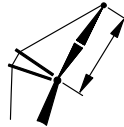
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	73.3	200.1	269,400							45
50	70.2	198.3	250,100							50
55	67.0	196.2	221,500	70.3	197.8	215,600				55
60	63.8	193.7	197,300	67.2	195.7	192,100				60
65	60.4	190.9	177,600	63.9	193.2	172,900	67.3	194.9	168,100	65
70	57.0	187.7	161,300	60.6	190.4	156,900	64.0	192.4	152,600	70
75	53.4	184.0	147,500	57.1	187.2	143,500	60.7	189.6	139,600	75
80	49.5	179.8	135,700	53.5	183.5	132,000	57.2	186.4	128,400	80
85	45.5	174.9	125,500	49.7	179.3	122,100	53.6	182.8	118,700	85
90	41.1	169.3	116,500	45.7	174.5	113,400	49.8	178.6	110,200	90
95	36.3	162.7	108,600	41.3	168.9	105,700	45.8	173.8	102,800	95
100	30.8	154.6	101,600	36.5	162.4	98,900	41.4	168.2	96,100	100
105	24.1	144.3	95,200	31.0	154.4	92,700	36.7	161.7	90,200	105
110	14.5	128.6	89,400	24.4	144.2	87,100	31.2	153.8	84,800	110
115				15.0	128.8	82,000	24.6	143.7	79,800	115
120							15.4	128.6	75,200	120
125										125
130										130
135										135
140										140
145										145



397,300 lb

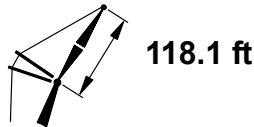
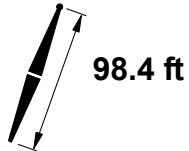
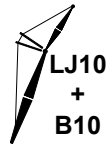


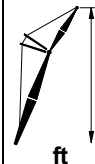
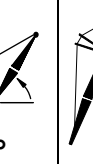
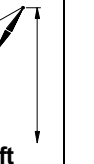
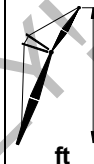
98.4 ft



98.4 ft

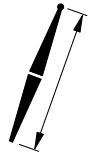
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80	63.0	189.6	122,300							80
85	59.6	186.6	113,100							85
90	56.1	183.3	105,000							90
95	52.5	179.5	97,900	58.4	182.7	93,000				95
100	48.6	175.1	91,500	54.9	179.2	87,000				100
105	44.5	170.1	85,800	51.2	175.3	81,600				105
110	40.0	164.3	80,700	47.2	170.7	76,700	53.4	174.2	72,700	110
115	35.1	157.4	76,100	43.0	165.4	72,300	49.6	170.0	68,500	115
120	29.4	148.9	71,800	38.4	159.2	68,200	45.6	165.2	64,700	120
125	22.2	137.8	67,800	33.2	151.9	64,500	41.2	159.5	61,100	125
130	10.9	119.1	64,100	27.1	142.7	61,100	36.4	152.9	57,900	130
135				19.1	130.0	57,800	30.9	144.9	54,900	135
140							24.2	134.6	52,100	140
145							14.7	119.1	49,300	145



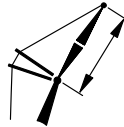
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	73.6	219.2	234,500							50
55	71.1	217.5	221,000							55
60	68.5	215.5	196,800							60
65	65.8	213.3	177,200							65
70	63.1	210.7	160,800							70
75	60.3	207.9	147,100							75
80	57.4	204.7	135,300							80
85	54.4	201.1	125,100							85
90	51.3	197.1	116,200							90
95	48.1	192.7	108,400							95
100	44.7	187.7	101,400							100
105	41.0	182.0	95,200							105
110	37.0	175.6	89,600							110
115	32.6	168.0	84,500							115
120	27.6	158.9	79,800							120
125	21.4	147.2	75,500							125
130	12.3	129.1	71,400							130
135										135
140										140
145										145
150										150
155										155
160										160
165										165



397,300 lb

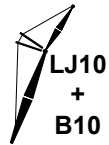


98.4 ft



118.1 ft

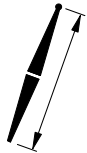
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	62.4	206.5		104,300						90
95	59.6	203.6		97,200						95
100	56.7	200.3		90,900						100
105	53.7	196.7		85,300	58.6	199.7		80,800		105
110	50.6	192.6		80,200	55.7	196.3		76,000		110
115	47.3	188.0		75,600	52.6	192.5		71,600		115
120	43.8	182.9		71,400	49.5	188.3		67,600		120
125	40.1	177.1		67,600	46.1	183.5	51.4	187.4	60,400	125
130	36.0	170.3		64,100	42.6	178.2	48.1	182.9	57,300	130
135	31.5	162.5		60,800	38.7	172.0	44.7	177.9	54,300	135
140	26.3	152.9		57,800	34.5	165.0	41.0	172.3	51,600	140
145	19.7	140.2		54,900	29.8	156.6	37.1	165.8	49,100	145
150	8.7	118.3		52,100	24.2	146.1	32.7	158.3	46,700	150
155					16.8	131.7	27.7	149.2	44,500	155
160							21.5	137.5	42,400	160
165							12.5	119.7	40,300	165



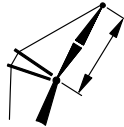
397,300 lb



360°

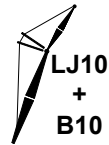


98.4 ft



137.8 ft

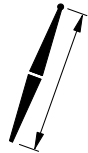
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.9	238.3	204,400							55
60	71.7	236.6	194,400							60
65	69.5	234.7	176,400							65
70	67.2	232.6	160,000	71.8	236.1	171,400				70
75	64.9	230.3	146,300	69.5	234.2	155,500				75
				67.3	232.1	142,100				
80	62.6	227.7	134,500	65.0	229.8	130,600	67.4	231.3	126,700	80
85	60.2	224.8	124,400	62.7	227.2	120,700	65.1	229.0	117,100	85
90	57.7	221.7	115,500	60.3	224.3	112,100	62.7	226.4	108,700	90
95	55.2	218.2	107,600	57.8	221.2	104,500	60.3	223.5	101,300	95
100	52.6	214.4	100,700	55.3	217.7	97,700	57.9	220.4	94,700	100
105	49.9	210.2	94,500	52.7	213.9	91,700	55.4	217.0	88,800	105
110	47.0	205.6	88,900	50.0	209.8	86,200	52.8	213.2	83,600	110
115	44.0	200.5	83,800	47.1	205.2	81,300	50.0	209.0	78,800	115
120	40.9	194.8	79,200	44.2	200.1	76,800	47.2	204.4	74,400	120
125	37.5	188.4	75,000	41.0	194.4	72,700	44.3	199.4	70,400	125
130	33.9	181.1	71,100	37.7	188.0	69,000	41.1	193.7	66,800	130
135	29.8	172.7	67,600	34.0	180.8	65,500	37.8	187.4	63,400	135
140	25.1	162.6	64,200	30.0	172.4	62,300	34.1	180.2	60,300	140
145	19.3	149.5	61,100	25.3	162.4	59,300	30.1	171.8	57,400	145
150	10.5	129.1	58,100	19.5	149.5	56,500	25.4	161.9	54,700	150
155				11.0	129.6	53,700	19.8	149.1	52,100	155
160							11.4	129.6	49,600	160
165										165
170										170
175										175
180										180
185										185



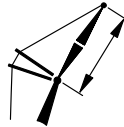
397,300 lb



360°

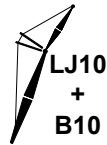


98.4 ft



137.8 ft

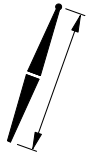
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.0	223.5	89,800							100
105	59.6	220.6	84,200							105
110	57.1	217.3	79,100							110
115	54.6	213.8	74,600	58.7	216.7	70,400				115
120	51.9	209.9	70,400	56.2	213.3	66,500				120
125	49.2	205.6	66,600	53.7	209.7	62,900				125
130	46.3	200.9	63,100	51.0	205.7	59,600				130
135	43.3	195.6	59,900	48.2	201.2	56,500	52.6	204.6	53,200	135
140	40.1	189.8	57,000	45.3	196.3	53,700	49.9	200.4	50,500	140
145	36.7	183.2	54,200	42.2	190.9	51,100	47.1	195.8	48,000	145
150	32.9	175.7	51,700	39.0	184.8	48,600	44.1	190.7	45,700	150
155	28.7	166.9	49,200	35.4	177.9	46,400	40.9	185.0	43,500	155
160	23.8	156.3	47,000	31.5	170.0	44,200	37.6	178.7	41,500	160
165	17.6	142.2	44,800	27.1	160.7	42,200	33.9	171.4	39,600	165
170	6.8	116.6	42,600	21.9	149.1	40,300	29.8	163.0	37,800	170
175				14.9	133.0	38,400	25.2	152.9	36,100	175
180							19.4	139.9	34,400	180
185							10.7	119.7	32,800	185



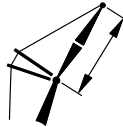
397,300 lb



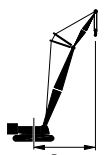
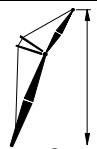
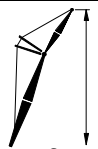
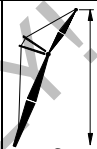
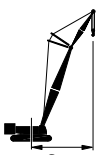
360°



98.4 ft

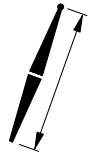


157.5 ft

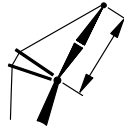
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
60	74.0	257.3	167,900							60
65	72.1	255.7	160,200							65
70	70.2	253.9	152,900							70
75	68.2	251.9	145,200	70.3	253.4	140,900				75
80	66.3	249.7	133,500	68.3	251.4	129,500				80
85	64.2	247.3	123,300	66.3	249.2	119,600	68.4	250.6	115,900	85
90	62.2	244.6	114,400	64.3	246.8	111,000	66.4	248.4	107,500	90
95	60.1	241.8	106,600	62.3	244.1	103,300	64.4	246.0	100,100	95
100	57.9	238.6	99,700	60.2	241.3	96,600	62.3	243.4	93,500	100
105	55.7	235.2	93,500	58.0	238.2	90,600	60.2	240.5	87,700	105
110	53.5	231.6	87,900	55.8	234.8	85,100	58.1	237.4	82,400	110
115	51.1	227.5	82,800	53.6	231.1	80,200	55.9	234.0	77,600	115
120	48.7	223.2	78,200	51.2	227.1	75,700	53.6	230.3	73,300	120
125	46.2	218.4	74,000	48.8	222.8	71,700	51.3	226.4	69,300	125
130	43.6	213.2	70,200	46.3	218.0	67,900	48.9	222.0	65,700	130
135	40.8	207.5	66,700	43.7	212.8	64,500	46.4	217.3	62,300	135
140	37.9	201.2	63,400	40.9	207.2	61,300	43.8	212.1	59,200	140
145	34.8	194.1	60,300	38.0	200.9	58,400	41.0	206.5	56,400	145
150	31.3	186.1	57,500	34.9	193.8	55,600	38.1	200.2	53,700	150
155	27.5	176.9	54,900	31.5	185.9	53,000	35.0	193.2	51,200	155
160	23.1	165.8	52,400	27.7	176.7	50,600	31.6	185.3	48,900	160
165	17.6	151.5	50,000	23.3	165.7	48,300	27.8	176.1	46,700	165
170	9.0	128.5	47,700	17.8	151.6	46,200	23.4	165.2	44,600	170
175				9.5	129.2	44,000	18.0	151.2	42,600	175
180							9.9	129.4	40,600	180
185										185
190										190
195										195
200										200
205										205



397,300 lb

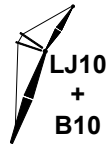


98.4 ft



157.5 ft

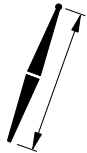
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.8	243.1	82,900							105
110	61.7	240.4	77,800							110
115	59.6	237.5	73,300							115
120	57.4	234.3	69,200							120
125	55.2	230.9	65,400	58.8	233.6	61,500				125
130	52.9	227.1	61,900	56.7	230.4	58,200				130
135	50.6	223.0	58,700	54.4	226.8	55,200				135
140	48.1	218.6	55,800	52.1	222.9	52,400				140
145	45.6	213.7	53,100	49.7	218.7	49,800	53.5	221.8	46,600	145
150	43.0	208.4	50,500	47.3	214.1	47,400	51.2	217.8	44,300	150
155	40.2	202.6	48,200	44.7	209.1	45,200	48.8	213.4	42,200	155
160	37.2	196.1	45,900	42.0	203.6	43,000	46.3	208.7	40,200	160
165	34.0	188.8	43,900	39.1	197.6	41,100	43.6	203.5	38,300	165
170	30.5	180.6	41,900	36.1	190.9	39,200	40.9	197.8	36,600	170
175	26.5	170.9	40,000	32.8	183.3	37,500	37.9	191.5	34,900	175
180	21.9	159.3	38,300	29.1	174.6	35,800	34.8	184.4	33,300	180
185	16.0	143.8	36,600	25.0	164.4	34,200	31.4	176.4	31,900	185
190	4.8	113.5	34,800	20.0	151.7	32,700	27.6	167.2	30,400	190
195				13.3	133.8	31,200	23.1	156.1	29,100	195
200							17.6	141.9	27,700	200
205							9.2	119.1	26,400	205



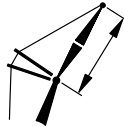
397,300 lb



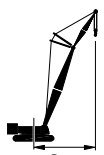
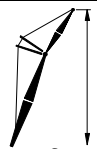
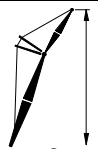
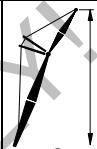
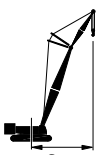
360°



98.4 ft



177.2 ft

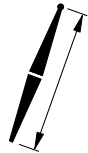
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	276.4	150,800							65
70	72.5	274.8	145,100							70
75	70.8	273.0	138,700							75
80	69.0	271.1	132,600	70.8	272.5	128,500				80
85	67.3	269.0	122,400	69.1	270.6	118,600				85
90	65.5	266.7	113,500	67.4	268.5	110,000				90
95	63.7	264.3	105,700	65.6	266.2	102,300	67.4	267.7	99,000	95
100	61.9	261.6	98,800	63.8	263.8	95,600	65.6	265.4	92,500	100
105	60.0	258.7	92,600	61.9	261.1	89,600	63.8	263.0	86,600	105
110	58.1	255.6	87,000	60.1	258.2	84,100	62.0	260.3	81,300	110
115	56.2	252.3	81,900	58.2	255.1	79,200	60.1	257.4	76,600	115
120	54.2	248.7	77,400	56.2	251.8	74,800	58.2	254.4	72,200	120
125	52.1	244.8	73,200	54.2	248.2	70,700	56.3	251.0	68,300	125
130	50.0	240.6	69,300	52.2	244.4	67,000	54.3	247.5	64,700	130
135	47.8	236.1	65,800	50.1	240.2	63,600	52.3	243.6	61,300	135
140	45.6	231.3	62,500	47.9	235.7	60,400	50.2	239.4	58,300	140
145	43.2	226.0	59,500	45.7	230.9	57,500	48.0	235.0	55,400	145
150	40.8	220.3	56,700	43.3	225.6	54,700	45.8	230.1	52,800	150
155	38.2	214.0	54,100	40.9	219.9	52,200	43.4	224.9	50,300	155
160	35.4	207.1	51,700	38.3	213.6	49,800	41.0	219.2	48,000	160
165	32.5	199.4	49,400	35.5	206.8	47,600	38.4	213.0	45,800	165
170	29.2	190.7	47,200	32.6	199.1	45,500	35.6	206.1	43,800	170
175	25.6	180.7	45,100	29.4	190.5	43,500	32.7	198.5	41,900	175
180	21.4	168.7	43,200	25.7	180.5	41,600	29.5	189.9	40,100	180
185	16.1	153.1	41,300	21.6	168.6	39,800	25.9	180.0	38,300	185
190	7.6	127.2	39,500	16.3	153.2	38,100	21.7	168.1	36,700	190
195				8.1	128.2	36,400	16.5	152.9	35,100	195
200							8.5	128.6	33,500	200
205										205
210										210
215										215
220										220
225										225

MLC300 S-2

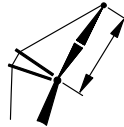
ASME B30.5



397,300 lb

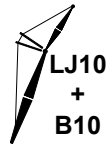


98.4 ft



177.2 ft

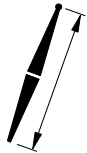
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.3	260.1	72,100							115
120	61.4	257.4	68,000							120
125	59.6	254.5	64,300							125
130	57.7	251.3	60,800							130
135	55.7	247.9	57,600	58.9	250.6	54,000				135
140	53.7	244.2	54,700	57.0	247.4	51,200				140
145	51.6	240.3	52,000	55.0	243.9	48,600				145
150	49.5	236.1	49,500	53.0	240.1	46,200				150
155	47.3	231.5	47,100	50.9	236.1	44,000				155
160	45.0	226.5	44,900	48.8	231.7	41,900	52.2	235.0	39,000	160
165	42.7	221.2	42,900	46.5	227.0	40,000	50.0	230.9	37,100	165
170	40.2	215.3	40,900	44.2	221.9	38,100	47.9	226.4	35,400	170
175	37.6	208.9	39,100	41.8	216.4	36,400	45.6	221.5	33,800	175
180	34.8	201.8	37,400	39.3	210.3	34,800	43.3	216.2	32,200	180
185	31.7	193.9	35,800	36.6	203.7	33,300	40.8	210.5	30,800	185
190	28.4	185.0	34,200	33.7	196.4	31,800	38.2	204.3	29,400	190
195	24.7	174.5	32,800	30.6	188.1	30,400	35.5	197.4	28,100	195
200	20.3	161.9	31,300	27.2	178.7	29,100	32.5	189.7	26,800	200
205	14.6	145.0	30,000	23.2	167.7	27,800	29.3	181.0	25,600	205
210	1.8	105.9	28,400	18.5	153.9	26,600	25.7	171.0	24,500	210
215				12.0	134.3	25,300	21.5	159.0	23,400	215
220							16.2	143.6	22,300	220
225							7.8	118.0	21,200	225



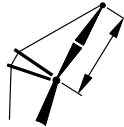
397,300 lb



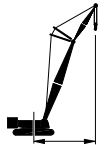
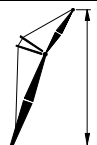
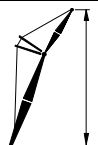
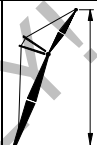
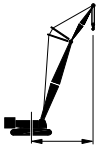
360°



98.4 ft



196.9 ft

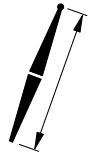
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
70	74.3	295.4	133,100							70
75	72.8	293.9	130,500							75
80	71.2	292.2	128,100							80
85	69.7	290.3	121,700	71.3	291.6	117,800				85
90	68.1	288.3	112,800	69.7	289.8	109,200				90
95	66.5	286.1	105,000	68.2	287.8	101,600				95
100	64.9	283.8	98,100	66.6	285.6	94,900	68.2	287.0	91,700	100
105	63.3	281.3	91,900	65.0	283.3	88,800	66.6	284.8	85,800	105
110	61.6	278.6	86,300	63.4	280.8	83,400	65.0	282.5	80,500	110
115	60.0	275.7	81,300	61.7	278.1	78,500	63.4	280.0	75,800	115
120	58.2	272.6	76,700	60.0	275.2	74,100	61.8	277.3	71,500	120
125	56.5	269.3	72,500	58.3	272.1	70,000	60.1	274.4	67,500	125
130	54.7	265.8	68,700	56.6	268.8	66,300	58.4	271.3	63,900	130
135	52.9	262.0	65,200	54.8	265.3	62,900	56.6	268.0	60,600	135
140	51.0	258.0	61,900	53.0	261.5	59,700	54.8	264.5	57,500	140
145	49.1	253.6	58,900	51.1	257.5	56,800	53.0	260.8	54,700	145
150	47.1	249.0	56,100	49.2	253.2	54,100	51.2	256.8	52,000	150
155	45.1	244.1	53,500	47.2	248.6	51,500	49.2	252.5	49,600	155
160	43.0	238.8	51,100	45.2	243.7	49,200	47.3	247.9	47,300	160
165	40.7	233.0	48,800	43.0	238.4	47,000	45.2	243.0	45,100	165
170	38.4	226.8	46,700	40.8	232.6	44,900	43.1	237.7	43,100	170
175	36.0	220.0	44,600	38.5	226.4	42,900	40.9	231.9	41,200	175
180	33.3	212.5	42,700	36.1	219.7	41,100	38.6	225.8	39,400	180
185	30.5	204.3	40,900	33.5	212.2	39,300	36.1	219.0	37,800	185
190	27.4	194.9	39,200	30.6	204.0	37,700	33.5	211.6	36,200	190
195	24.0	184.1	37,600	27.6	194.7	36,100	30.7	203.4	34,600	195
200	20.0	171.2	36,100	24.1	184.0	34,600	27.7	194.1	33,200	200
205	14.9	154.4	34,500	20.1	171.2	33,200	24.2	183.5	31,800	205
210	6.2	125.2	33,000	15.1	154.6	31,800	20.3	170.7	30,500	210
215				6.8	126.6	30,400	15.3	154.3	29,200	215
220							7.2	127.2	27,800	220
225										225
230										230
235										235
240										240
245										245

MLC300 S-2

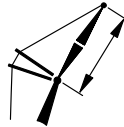
ASME B30.5



397,300 lb

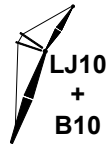


98.4 ft



196.9 ft

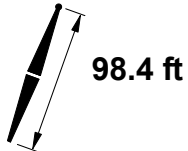
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.9	277.1	63,400							125
130	61.2	274.4	60,000							130
135	59.6	271.4	56,800							135
140	57.8	268.3	53,900							140
145	56.1	264.9	51,200	59.0	267.6	47,800				145
150	54.3	261.3	48,700	57.2	264.4	45,400				150
155	52.5	257.5	46,400	55.5	260.9	43,200				155
160	50.6	253.4	44,200	53.7	257.3	41,100				160
165	48.6	249.0	42,100	51.8	253.3	39,200				165
170	46.7	244.4	40,200	49.9	249.1	37,300	52.9	252.2	34,500	170
175	44.6	239.3	38,400	48.0	244.7	35,600	51.1	248.2	32,900	175
180	42.4	233.9	36,700	45.9	239.9	34,000	49.1	243.9	31,400	180
185	40.2	228.1	35,100	43.9	234.7	32,500	47.2	239.3	29,900	185
190	37.8	221.7	33,600	41.7	229.1	31,100	45.1	234.3	28,600	190
195	35.4	214.8	32,100	39.4	223.1	29,700	43.0	229.0	27,300	195
200	32.7	207.1	30,800	37.0	216.6	28,400	40.8	223.3	26,100	200
205	29.8	198.6	29,500	34.5	209.4	27,200	38.4	217.0	24,900	205
210	26.7	189.0	28,200	31.7	201.5	26,000	36.0	210.3	23,800	210
215	23.1	177.8	27,000	28.8	192.6	24,800	33.4	202.8	22,700	215
220	18.9	164.2	25,800	25.5	182.5	23,800	30.6	194.5	21,700	220
225	13.4	145.9	24,700	21.7	170.6	22,700	27.5	185.2	20,700	225
230				17.2	155.8	21,700	24.0	174.5	19,800	230
235				10.8	134.4	20,700	20.0	161.6	18,800	235
240							14.9	144.9	17,900	240
245							6.5	116.2	17,000	245



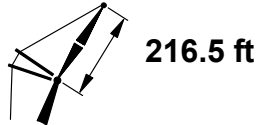
397,300 lb



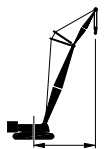
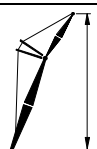
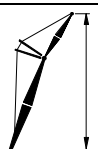
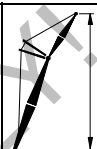
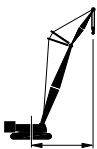
360°



98.4 ft

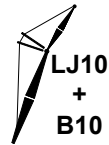


216.5 ft

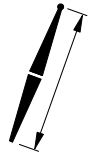
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.4	314.5	111,600							75
80	73.0	312.9	110,600							80
85	71.6	311.3	109,600							85
90	70.2	309.5	108,500	71.7	310.7	107,500				90
95	68.8	307.5	104,100	70.3	308.9	100,600				95
100	67.3	305.4	97,100	68.8	307.0	93,800				100
105	65.9	303.2	90,900	67.4	304.9	87,800	68.9	306.2	84,700	105
110	64.4	300.8	85,300	66.0	302.7	82,400	67.5	304.1	79,400	110
115	62.9	298.2	80,300	64.5	300.3	77,500	66.0	301.9	74,700	115
120	61.4	295.5	75,700	63.0	297.7	73,000	64.5	299.5	70,400	120
125	59.9	292.6	71,600	61.5	295.0	69,000	63.1	296.9	66,400	125
130	58.4	289.6	67,700	60.0	292.1	65,300	61.5	294.2	62,800	130
135	56.8	286.3	64,200	58.4	289.1	61,900	60.0	291.4	59,500	135
140	55.2	282.8	61,000	56.8	285.8	58,700	58.5	288.3	56,500	140
145	53.5	279.1	58,000	55.2	282.3	55,800	56.9	285.0	53,600	145
150	51.8	275.2	55,200	53.6	278.7	53,100	55.3	281.6	51,000	150
155	50.1	271.1	52,600	51.9	274.8	50,600	53.6	277.9	48,500	155
160	48.4	266.6	50,100	50.2	270.6	48,200	52.0	274.0	46,300	160
165	46.5	261.9	47,900	48.4	266.2	46,000	50.2	269.9	44,100	165
170	44.7	256.9	45,700	46.6	261.5	43,900	48.5	265.5	42,100	170
175	42.7	251.5	43,700	44.7	256.5	42,000	46.7	260.8	40,200	175
180	40.7	245.8	41,900	42.8	251.1	40,100	44.8	255.8	38,400	180
185	38.6	239.6	40,100	40.8	245.4	38,400	42.9	250.4	36,800	185
190	36.4	232.9	38,400	38.7	239.2	36,800	40.8	244.7	35,200	190
195	34.0	225.6	36,800	36.5	232.5	35,200	38.7	238.5	33,700	195
200	31.6	217.6	35,300	34.1	225.3	33,800	36.5	231.9	32,200	200
205	28.9	208.7	33,800	31.7	217.3	32,400	34.2	224.6	30,900	205
210	25.9	198.8	32,400	29.0	208.5	31,000	31.7	216.7	29,600	210
215	22.6	187.3	31,100	26.0	198.6	29,700	29.1	207.9	28,400	215
220	18.7	173.5	29,800	22.7	187.2	28,500	26.1	198.0	27,200	220
225	13.8	155.4	28,600	18.9	173.5	27,300	22.8	186.7	26,000	225
230	4.9	122.2	27,300	14.0	155.7	26,200	19.0	173.1	24,900	230
235				5.5	124.2	25,000	14.2	155.5	23,800	235
240							6.0	125.1	22,700	240
245										245
250										250
255										255
260										260
265										265

MLC300 S-2

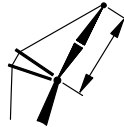
ASME B30.5



397,300 lb

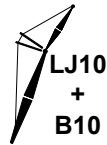


98.4 ft



216.5 ft

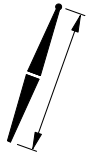
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.6	294.1	55,600							135
140	61.1	291.3	52,700							140
145	59.5	288.4	50,000							145
150	58.0	285.3	47,500							150
155	56.4	281.9	45,200							155
160	54.8	278.4	43,100	57.4	281.3	39,900				160
165	53.1	274.7	41,000	55.8	277.9	38,000				165
170	51.4	270.7	39,100	54.2	274.4	36,200				170
175	49.7	266.5	37,300	52.5	270.5	34,500				175
180	47.9	262.0	35,600	50.8	266.5	32,900	53.5	269.3	30,200	180
185	46.1	257.2	34,000	49.1	262.2	31,400	51.9	265.4	28,700	185
190	44.2	252.1	32,500	47.3	257.6	29,900	50.1	261.3	27,400	190
195	42.3	246.7	31,100	45.5	252.7	28,600	48.4	256.9	26,100	195
200	40.2	240.8	29,700	43.5	247.5	27,300	46.6	252.1	24,900	200
205	38.1	234.5	28,500	41.6	241.9	26,100	44.7	247.1	23,700	205
210	35.8	227.7	27,200	39.5	235.9	24,900	42.7	241.8	22,600	210
215	33.5	220.2	26,100	37.3	229.4	23,800	40.7	236.0	21,600	215
220	30.9	212.1	24,900	35.0	222.4	22,700	38.6	229.8	20,600	220
225	28.2	203.0	23,900	32.6	214.7	21,700	36.4	223.1	19,600	225
230	25.2	192.7	22,800	30.0	206.2	20,700	34.1	215.9	18,700	230
235	21.7	180.8	21,800	27.2	196.8	19,800	31.6	207.9	17,800	235
240	17.7	166.2	20,900	24.0	186.0	18,900	28.9	199.0	17,000	240
245	12.3	146.5	19,900	20.4	173.3	18,000	26.0	189.1	16,200	245
250				16.0	157.4	17,200	22.6	177.6	15,400	250
255				9.7	134.1	16,300	18.8	163.9	14,600	255
260							13.8	145.9	13,800	260
265							5.1	113.4	13,000	265



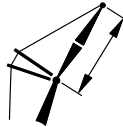
397,300 lb



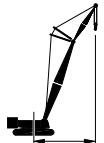
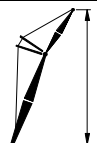
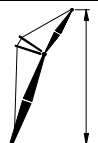
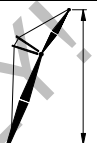
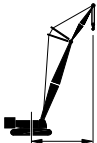
360°



98.4 ft



236.2 ft

	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
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	84,500	68.1	324.2	81,500				110
115	65.4	320.2	79,400	66.8	322.0	76,600	68.1	323.4	73,700	115
120	64.0	317.8	74,900	65.4	319.7	72,200	66.8	321.2	69,400	120
125	62.7	315.2	70,700	64.1	317.3	68,100	65.5	318.9	65,500	125
130	61.3	312.5	66,900	62.7	314.7	64,400	64.1	316.5	61,900	130
135	59.9	309.6	63,400	61.3	312.0	61,000	62.8	313.9	58,600	135
140	58.5	306.5	60,100	59.9	309.1	57,800	61.4	311.2	55,500	140
145	57.0	303.3	57,100	58.5	306.0	54,900	60.0	308.3	52,700	145
150	55.5	299.9	54,300	57.1	302.8	52,200	58.6	305.3	50,100	150
155	54.0	296.2	51,700	55.6	299.4	49,700	57.1	302.0	47,600	155
160	52.5	292.4	49,300	54.1	295.8	47,300	55.6	298.6	45,400	160
165	51.0	288.4	47,000	52.6	292.0	45,100	54.1	295.0	43,200	165
170	49.4	284.1	44,900	51.0	287.9	43,100	52.6	291.2	41,200	170
175	47.7	279.6	42,900	49.4	283.7	41,100	51.1	287.2	39,300	175
180	46.0	274.8	41,000	47.8	279.1	39,300	49.5	282.9	37,600	180
185	44.3	269.7	39,300	46.1	274.4	37,600	47.8	278.4	35,900	185
190	42.5	264.3	37,600	44.4	269.3	36,000	46.2	273.6	34,300	190
195	40.7	258.5	36,000	42.6	263.9	34,400	44.4	268.6	32,800	195
200	38.7	252.3	34,500	40.7	258.1	32,900	42.7	263.2	31,400	200
205	36.7	245.7	33,100	38.8	252.0	31,600	40.8	257.4	30,100	205
210	34.6	238.6	31,700	36.8	245.4	30,200	38.9	251.3	28,800	210
215	32.4	230.8	30,400	34.7	238.3	29,000	36.9	244.7	27,500	215
220	30.0	222.3	29,100	32.5	230.5	27,800	34.8	237.6	26,400	220
225	27.4	212.9	28,000	30.1	222.1	26,600	32.5	229.9	25,300	225
230	24.6	202.4	26,800	27.5	212.7	25,500	30.2	221.5	24,200	230
235	21.4	190.2	25,700	24.7	202.2	24,400	27.6	212.2	23,200	235
240	17.6	175.5	24,600	21.5	190.1	23,400	24.8	201.7	22,200	240
245	12.8	156.2	23,600	17.8	175.5	22,400	21.6	189.6	21,200	245
250	3.3	117.4	21,500	13.0	156.5	21,400	17.9	175.2	20,300	250
255				4.2	120.5	20,400	13.2	156.3	19,400	255
260							4.8	122.0	18,400	260
265										265
270										270
275										275
280										280
285										285



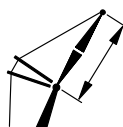
397,300 lb



360°

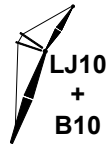


98.4 ft



236.2 ft

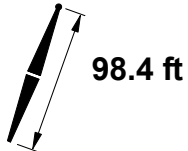
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.7	313.7	51,800							140
145	62.3	311.0	49,100							145
150	61.0	308.3	46,600							150
155	59.5	305.3	44,300							155
160	58.1	302.2	42,100							160
165	56.7	298.9	40,100							165
170	55.2	295.5	38,200	57.6	298.3	35,200				170
175	53.7	291.8	36,400	56.2	295.0	33,500				175
180	52.2	287.9	34,700	54.7	291.4	31,900				180
185	50.6	283.8	33,100	53.2	287.7	30,400				185
190	49.0	279.5	31,600	51.6	283.7	29,000				190
195	47.3	274.9	30,200	50.0	279.6	27,600	52.5	282.6	25,100	195
200	45.6	270.1	28,900	48.4	275.2	26,300	51.0	278.6	23,900	200
205	43.9	264.9	27,600	46.8	270.5	25,100	49.4	274.3	22,700	205
210	42.1	259.4	26,400	45.0	265.5	24,000	47.7	269.8	21,700	210
215	40.2	253.5	25,200	43.3	260.2	22,900	46.1	265.0	20,600	215
220	38.3	247.3	24,100	41.5	254.6	21,800	44.3	259.9	19,600	220
225	36.2	240.5	23,000	39.6	248.6	20,800	42.6	254.5	18,700	225
230	34.1	233.3	22,000	37.6	242.2	19,900	40.7	248.8	17,800	230
235	31.8	225.4	21,000	35.5	235.3	19,000	38.8	242.6	16,900	235
240	29.4	216.7	20,100	33.3	227.8	18,100	36.8	236.0	16,100	240
245	26.8	207.0	19,200	31.0	219.6	17,200	34.7	228.8	15,300	245
250	23.9	196.1	18,300	28.5	210.6	16,400	32.4	221.1	14,500	250
255	20.6	183.4	17,500	25.8	200.6	15,600	30.0	212.6	13,800	255
260	16.6	168.0	16,700	22.8	189.2	14,900	27.5	203.2	13,000	260
265	11.3	146.8	15,800	19.3	175.7	14,100	24.6	192.7	12,200	265
270				15.0	158.7	13,400	21.4	180.5	11,400	270
275				8.7	133.5	12,600	17.7	165.9	10,600	275
280							12.9	146.7	9,900	280
285							3.7	109.1	9,000	285



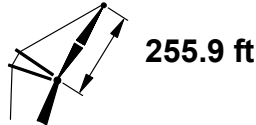
397,300 lb



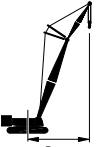
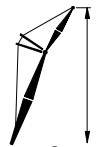
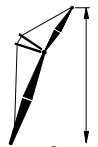
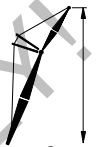
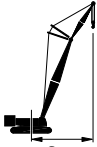
360°



98.4 ft



255.9 ft

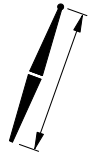
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.5	352.6	75,400							85
90	73.4	351.1	74,500							90
95	72.2	349.5	73,500							95
100	71.0	347.7	72,600							100
105	69.8	345.9	71,700	71.0	347.2	71,500				105
110	68.6	343.9	70,800	69.9	345.3	70,700				110
115	67.4	341.8	69,800	68.6	343.4	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	67,000	67.5	340.5	64,400	125
130	63.7	334.8	65,900	65.0	336.8	63,300	66.3	338.3	60,800	130
135	62.4	332.2	62,400	63.7	334.3	59,900	65.0	336.0	57,500	135
140	61.1	329.4	59,100	62.5	331.7	56,800	63.8	333.5	54,400	140
145	59.8	326.5	56,100	61.2	328.9	53,900	62.5	330.9	51,600	145
150	58.5	323.5	53,300	59.9	326.0	51,200	61.2	328.2	49,000	150
155	57.2	320.3	50,800	58.6	323.0	48,700	59.9	325.3	46,600	155
160	55.8	316.9	48,300	57.3	319.8	46,300	58.6	322.2	44,300	160
165	54.5	313.3	46,100	55.9	316.4	44,100	57.3	319.0	42,200	165
170	53.1	309.6	43,900	54.5	312.9	42,000	55.9	315.6	40,200	170
175	51.6	305.6	42,000	53.1	309.1	40,100	54.6	312.1	38,300	175
180	50.2	301.5	40,100	51.7	305.2	38,300	53.2	308.4	36,500	180
185	48.7	297.1	38,300	50.3	301.0	36,600	51.8	304.4	34,800	185
190	47.2	292.5	36,600	48.8	296.7	34,900	50.3	300.3	33,300	190
195	45.6	287.6	35,000	47.2	292.1	33,400	48.8	295.9	31,800	195
200	44.0	282.5	33,500	45.7	287.2	32,000	47.3	291.3	30,400	200
205	42.4	277.0	32,100	44.1	282.1	30,600	45.7	286.5	29,000	205
210	40.6	271.3	30,800	42.4	276.6	29,300	44.1	281.4	27,800	210
215	38.9	265.1	29,500	40.7	270.9	28,000	42.5	275.9	26,500	215
220	37.0	258.5	28,200	38.9	264.7	26,800	40.8	270.2	25,400	220
225	35.1	251.5	27,100	37.1	258.2	25,700	39.0	264.1	24,300	225
230	33.1	244.0	25,900	35.2	251.2	24,600	37.2	257.5	23,200	230
235	30.9	235.7	24,800	33.2	243.7	23,500	35.2	250.5	22,200	235
240	28.6	226.8	23,800	31.0	235.5	22,500	33.2	243.0	21,200	240
245	26.1	216.9	22,800	28.7	226.5	21,500	31.1	234.9	20,300	245
250	23.4	205.7	21,800	26.2	216.7	20,600	28.8	226.0	19,400	250
255	20.3	192.8	20,900	23.5	205.6	19,700	26.3	216.1	18,500	255
260	16.6	177.3	20,000	20.4	192.8	18,800	23.6	205.0	17,700	260
265	11.9	156.7	19,100	16.8	177.3	18,000	20.5	192.3	16,900	265
270				12.1	157.0	17,200	16.9	177.0	16,100	270
275				2.4	114.0	16,200	12.3	156.9	15,300	275
280							3.3	117.2	14,400	280
285										285
290										290
295										295



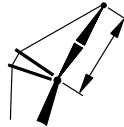
397,300 lb



360°

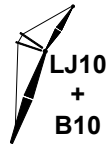


98.4 ft



255.9 ft

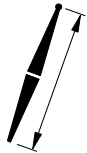
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.4	330.7	45,400							150
155	62.1	328.0	43,100							155
160	60.8	325.2	40,900							160
165	59.5	322.3	38,900							165
170	58.2	319.2	37,000							170
175	56.9	315.9	35,200							175
180	55.5	312.5	33,600	57.8	315.3	30,700				180
185	54.1	308.9	32,000	56.4	312.0	29,200				185
190	52.7	305.1	30,500	55.1	308.5	27,800				190
195	51.3	301.1	29,100	53.7	304.8	26,400				195
200	49.8	296.9	27,700	52.2	301.0	25,200				200
205	48.4	292.5	26,500	50.8	296.9	24,000	53.1	299.8	21,500	205
210	46.8	287.8	25,300	49.3	292.6	22,800	51.7	295.8	20,400	210
215	45.2	282.9	24,100	47.8	288.1	21,700	50.2	291.7	19,400	215
220	43.6	277.7	23,000	46.3	283.3	20,700	48.7	287.3	18,400	220
225	42.0	272.2	22,000	44.7	278.3	19,700	47.2	282.7	17,500	225
230	40.2	266.3	21,000	43.1	273.0	18,800	45.6	277.9	16,600	230
235	38.5	260.1	20,000	41.4	267.4	17,900	44.0	272.7	15,700	235
240	36.6	253.4	19,100	39.6	261.4	17,000	42.4	267.3	14,800	240
245	34.6	246.2	18,200	37.8	255.0	16,100	40.7	261.5	13,900	245
250	32.6	238.5	17,400	35.9	248.2	15,300	38.9	255.4	13,000	250
255	30.4	230.2	16,500	33.9	240.8	14,600	37.1	248.8	12,200	255
260	28.1	221.0	15,700	31.8	232.9	13,800	35.1	241.8	11,400	260
265	25.5	210.8	15,000	29.6	224.3	13,000	33.1	234.2	10,600	265
270	22.7	199.3	14,200	27.2	214.8	12,200	30.9	226.0	9,900	270
275	19.5	185.9	13,500	24.6	204.2	11,500	28.7	217.1	9,100	275
280	15.7	169.5	12,800	21.6	192.1	10,700	26.2	207.2	8,400	280
285	10.5	146.8	12,100	18.3	177.8	10,000	23.4	196.0	7,700	285
290				14.1	159.9	9,200	20.3	183.2	7,100	290
295				7.8	132.4	8,500				295



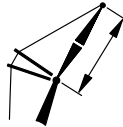
397,300 lb



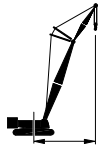
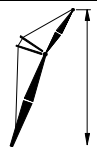
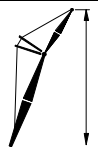
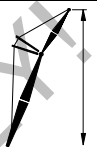
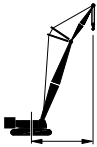
360°



98.4 ft

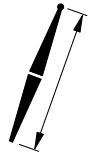


275.6 ft

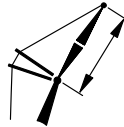
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.6	371.6	61,500							90
95	73.5	370.1	60,600							95
100	72.4	368.5	59,700							100
105	71.3	366.8	58,900							105
110	70.2	365.0	58,000	71.4	366.3	58,100				110
115	69.1	363.1	57,200	70.2	364.5	57,400				115
120	68.0	361.1	56,400	69.1	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	68.0	359.8	54,800	130
135	64.5	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	53,000	64.6	353.0	50,700	145
150	61.0	346.4	52,100	62.3	348.7	50,300	63.5	350.5	48,100	150
155	59.8	343.5	50,000	61.1	345.9	47,800	62.3	347.9	45,700	155
160	58.6	340.4	47,500	59.9	343.0	45,500	61.1	345.1	43,400	160
165	57.4	337.2	45,300	58.6	340.0	43,300	59.9	342.2	41,300	165
170	56.1	333.9	43,100	57.4	336.8	41,200	58.7	339.2	39,300	170
175	54.8	330.4	41,200	56.2	333.4	39,300	57.5	336.0	37,400	175
180	53.6	326.7	39,300	54.9	329.9	37,500	56.2	332.7	35,700	180
185	52.2	322.8	37,500	53.6	326.2	35,800	54.9	329.1	34,000	185
190	50.9	318.8	35,800	52.3	322.4	34,100	53.6	325.5	32,400	190
195	49.5	314.5	34,300	51.0	318.3	32,600	52.3	321.6	30,900	195
200	48.1	310.1	32,800	49.6	314.1	31,100	51.0	317.6	29,500	200
205	46.7	305.4	31,300	48.2	309.6	29,800	49.6	313.4	28,200	205
210	45.3	300.4	30,000	46.8	305.0	28,500	48.2	308.9	26,900	210
215	43.8	295.3	28,700	45.3	300.0	27,200	46.8	304.2	25,700	215
220	42.2	289.8	27,500	43.8	294.9	26,000	45.4	299.3	24,600	220
225	40.6	284.0	26,300	42.3	289.4	24,900	43.9	294.1	23,500	225
230	39.0	277.9	25,200	40.7	283.6	23,800	42.3	288.7	22,400	230
235	37.3	271.4	24,100	39.1	277.5	22,800	40.7	282.9	21,400	235
240	35.5	264.4	23,100	37.3	271.0	21,800	39.1	276.8	20,400	240
245	33.6	257.0	22,100	35.6	264.1	20,800	37.4	270.4	19,500	245
250	31.7	249.0	21,100	33.7	256.7	19,900	35.6	263.5	18,600	250
255	29.6	240.4	20,200	31.8	248.8	19,000	33.8	256.1	17,800	255
260	27.4	231.0	19,400	29.7	240.1	18,200	31.8	248.1	16,900	260
265	25.0	220.5	18,500	27.5	230.7	17,300	29.8	239.6	16,200	265
270	22.3	208.8	17,700	25.1	220.4	16,500	27.6	230.2	15,400	270
275	19.3	195.2	16,900	22.4	208.7	15,800	25.2	219.8	14,600	275
280	15.8	178.8	16,100	19.5	195.2	15,000	22.5	208.2	13,900	280
285	11.1	156.9	15,300	15.9	178.9	14,300	19.6	194.8	13,200	285
290				11.3	157.3	13,600	16.0	178.6	12,500	290
295							11.5	157.3	11,800	295
300										300
305										305



397,300 lb

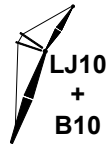


98.4 ft

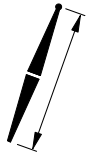


275.6 ft

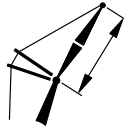
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.1	347.7	40,000							160
165	61.9	345.0	38,000							165
170	60.7	342.2	36,100							170
175	59.5	339.2	34,300							175
180	58.3	336.2	32,700							180
185	57.1	332.9	31,100							185
190	55.8	329.5	29,600	57.9	332.3	26,800				190
195	54.5	326.0	28,200	56.6	329.0	25,500				195
200	53.2	322.3	26,900	55.4	325.5	24,200				200
205	51.9	318.4	25,600	54.1	321.9	23,100				205
210	50.6	314.3	24,400	52.8	318.1	21,900				210
215	49.2	310.0	23,200	51.5	314.2	20,800	53.6	316.9	18,500	215
220	47.8	305.4	22,200	50.1	310.0	19,800	52.3	313.1	17,400	220
225	46.4	300.7	21,100	48.7	305.6	18,800	50.9	309.0	16,300	225
230	44.9	295.7	20,100	47.3	301.0	17,900	49.6	304.8	15,300	230
235	43.4	290.5	19,200	45.9	296.2	17,000	48.2	300.3	14,400	235
240	41.9	284.9	18,300	44.4	291.1	16,100	46.7	295.6	13,500	240
245	40.2	279.0	17,400	42.9	285.8	15,200	45.3	290.7	12,600	245
250	38.6	272.8	16,500	41.3	280.1	14,300	43.8	285.5	11,700	250
255	36.9	266.2	15,700	39.7	274.1	13,500	42.2	280.0	10,900	255
260	35.1	259.2	15,000	38.0	267.8	12,600	40.7	274.2	10,100	260
265	33.2	251.7	14,200	36.3	261.0	11,800	39.0	268.1	9,300	265
270	31.2	243.5	13,500	34.4	253.8	11,000	37.3	261.6	8,600	270
275	29.1	234.7	12,700	32.5	246.1	10,300	35.5	254.7	7,900	275
280	26.8	225.1	11,900	30.5	237.8	9,500	33.7	247.3	7,200	280
285	24.4	214.4	11,200	28.3	228.7	8,800				285
290	21.7	202.3	10,400	26.0	218.7	8,100				290
295	18.6	188.1	9,700	23.5	207.5	7,500				295
300	14.8	170.8	9,000							300
305	9.6	146.5	8,300							305



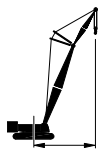
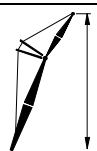
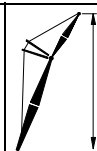
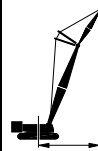
397,300 lb



98.4 ft



295.3 ft

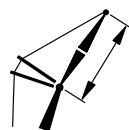
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.6	390.6	51,100							95
100	73.6	389.2	50,300							100
105	72.6	387.6	49,500							105
110	71.6	385.9	48,700							110
115	70.5	384.2	47,900	71.6	385.4	48,100				115
120	69.5	382.3	47,200	70.6	383.6	47,400				120
125	68.5	380.3	46,500	69.6	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	42,300	160
165	59.8	360.4	41,400	61.0	362.9	41,800	62.1	364.8	40,200	165
170	58.7	357.4	40,800	59.8	360.0	40,200	61.0	362.1	38,200	170
175	57.5	354.2	40,200	58.7	356.9	38,200	59.9	359.2	36,300	175
180	56.3	350.9	38,300	57.6	353.7	36,400	58.7	356.1	34,600	180
185	55.2	347.4	36,500	56.4	350.4	34,700	57.6	353.0	32,900	185
190	54.0	343.8	34,800	55.2	347.0	33,100	56.4	349.7	31,300	190
195	52.7	340.0	33,300	54.0	343.3	31,600	55.2	346.2	29,900	195
200	51.5	336.0	31,800	52.8	339.5	30,100	54.0	342.6	28,500	200
205	50.2	331.9	30,300	51.6	335.6	28,700	52.8	338.8	27,100	205
210	49.0	327.6	29,000	50.3	331.4	27,400	51.6	334.8	25,900	210
215	47.7	323.0	27,700	49.0	327.1	26,200	50.3	330.7	24,700	215
220	46.3	318.3	26,500	47.7	322.6	25,000	49.1	326.4	23,500	220
225	44.9	313.3	25,300	46.4	317.8	23,900	47.7	321.9	22,400	225
230	43.5	308.0	24,200	45.0	312.9	22,800	46.4	317.1	21,400	230
235	42.1	302.5	23,100	43.6	307.6	21,700	45.0	312.1	20,400	235
240	40.6	296.7	22,100	42.2	302.1	20,800	43.6	306.9	19,400	240
245	39.1	290.6	21,100	40.7	296.4	19,800	42.2	301.4	18,500	245
250	37.5	284.2	20,200	39.1	290.3	18,900	40.7	295.7	17,600	250
255	35.8	277.3	19,300	37.6	283.8	18,000	39.2	289.6	16,700	255
260	34.1	270.0	18,400	35.9	277.0	17,200	37.6	283.2	15,900	260
265	32.3	262.2	17,600	34.2	269.7	16,400	36.0	276.3	15,100	265
270	30.4	253.9	16,800	32.4	262.0	15,600	34.3	269.1	14,400	270
275	28.4	244.8	16,000	30.5	253.6	14,800	32.5	261.3	13,700	275
280	26.3	234.9	15,200	28.5	244.6	14,100	30.6	253.0	12,900	280
285	24.0	224.0	14,500	26.4	234.7	13,400	28.6	244.0	12,200	285
290	21.4	211.7	13,800	24.0	223.8	12,700	26.4	234.2	11,400	290
295	18.4	197.4	13,100	21.5	211.6	12,000	24.1	223.3	10,600	295
300	15.0	180.2	12,400	18.6	197.4	11,300	21.6	211.1	9,900	300
305	10.3	156.9	11,700	15.1	180.3	10,600	18.7	197.1	9,200	305
310				10.6	157.4	9,800	15.2	180.1	8,500	310
315							10.7	157.4	7,800	315



397,300 lb

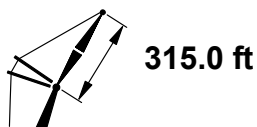
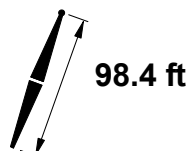


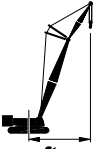
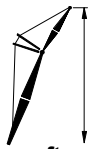
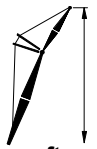
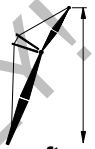
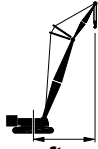
98.4 ft



295.3 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
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	36,800				165
170	62.9	364.6	34,900				170
175	61.8	362.0	33,200				175
180	60.7	359.1	31,500				180
185	59.5	356.2	29,900				185
190	58.4	353.1	28,500				190
195	57.2	349.9	27,100				195
200	56.1	346.6	25,700	58.0	349.2	23,100	200
205	54.9	343.0	24,500	56.8	346.0	21,900	205
210	53.7	339.4	23,300	55.7	342.6	20,700	210
215	52.5	335.5	22,100	54.5	339.0	19,700	215
220	51.2	331.5	21,000	53.3	335.3	18,600	220
225	49.9	327.3	20,000	52.0	331.4	17,600	225
230	48.7	323.0	19,000	50.8	327.3	16,500	230
235	47.3	318.4	18,100	49.5	323.0	15,500	235
240	46.0	313.6	17,200	48.2	318.6	14,500	240
245	44.6	308.5	16,300	46.9	313.9	13,600	245
250	43.2	303.2	15,500	45.5	309.0	12,700	250
255	41.8	297.7	14,600	44.1	303.9	11,800	255
260	40.3	291.8	13,700	42.7	298.5	11,000	260
265	38.7	285.6	12,800	41.2	292.9	10,200	265
270	37.1	279.1	12,000	39.7	286.9	9,400	270
275	35.5	272.1	11,200	38.2	280.6	8,700	275
280	33.7	264.7	10,400	36.5	273.9	8,000	280
285	31.9	256.8	9,700	34.9	266.8	7,300	285
290	30.0	248.3	9,000				290
295	27.9	239.0	8,300				295
300	25.8	228.9	7,600				300
305							305
310							310
315							315



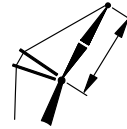
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
100	74.7	409.7	42,300							100
105	73.7	408.2	41,600							105
110	72.8	406.7	40,800							110
115	71.8	405.0	40,100							115
120	70.8	403.3	39,400	71.9	404.5	39,700				120
125	69.9	401.5	38,700	70.9	402.8	39,400				125
130	68.9	399.5	38,000	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	140
145	65.9	393.1	36,100	67.0	394.8	36,500	68.0	396.2	36,600	145
150	64.9	390.8	35,500	66.0	392.6	35,900	67.0	394.0	36,100	150
155	63.9	388.3	35,000	65.0	390.3	35,400	66.0	391.8	35,500	155
160	62.9	385.8	34,400	64.0	387.8	34,800	65.0	389.5	35,000	160
165	61.9	383.1	33,900	62.9	385.3	34,300	64.0	387.0	34,500	165
170	60.8	380.3	33,400	61.9	382.6	33,800	63.0	384.5	33,900	170
175	59.8	377.4	32,900	60.9	379.8	33,200	61.9	381.8	33,400	175
180	58.7	374.4	32,400	59.8	376.9	32,700	60.9	379.0	32,900	180
185	57.6	371.2	31,900	58.8	373.9	32,300	59.8	376.1	31,900	185
190	56.5	367.9	31,500	57.7	370.7	31,800	58.8	373.1	30,400	190
195	55.4	364.5	31,100	56.6	367.4	30,600	57.7	369.9	28,900	195
200	54.3	360.9	30,600	55.5	364.0	29,200	56.6	366.7	27,500	200
205	53.2	357.1	29,400	54.4	360.4	27,800	55.5	363.2	26,200	205
210	52.0	353.3	28,100	53.2	356.7	26,500	54.4	359.7	24,900	210
215	50.9	349.2	26,800	52.1	352.8	25,300	53.3	355.9	23,700	215
220	49.7	345.0	25,600	50.9	348.7	24,100	52.1	352.0	22,600	220
225	48.5	340.5	24,400	49.7	344.5	22,900	50.9	348.0	21,500	225
230	47.2	335.9	23,300	48.5	340.1	21,900	49.8	343.8	20,400	230
235	46.0	331.1	22,200	47.3	335.5	20,800	48.5	339.4	19,400	235
240	44.7	326.1	21,200	46.0	330.7	19,800	47.3	334.8	18,500	240
245	43.3	320.8	20,200	44.7	325.7	18,900	46.0	330.0	17,500	245
250	42.0	315.3	19,300	43.4	320.4	18,000	44.8	325.0	16,700	250
255	40.6	309.5	18,400	42.0	314.9	17,100	43.4	319.7	15,800	255
260	39.2	303.4	17,500	40.7	309.1	16,300	42.1	314.2	15,000	260
265	37.7	297.0	16,700	39.2	303.0	15,500	40.7	308.4	14,100	265
270	36.1	290.2	15,900	37.7	296.6	14,700	39.3	302.4	13,300	270
275	34.6	283.0	15,100	36.2	289.9	13,900	37.8	296.0	12,400	275
280	32.9	275.4	14,400	34.6	282.7	13,200	36.3	289.2	11,600	280
285	31.2	267.2	13,700	33.0	275.1	12,400	34.7	282.0	10,800	285
290	29.3	258.5	13,000	31.2	266.9	11,600	33.0	274.4	10,100	290
295	27.4	249.0	12,300	29.4	258.2	10,800	31.3	266.3	9,400	295
300	25.3	238.7	11,500	27.5	248.8	10,100	29.5	257.6	8,700	300
305	23.0	227.2	10,800	25.4	238.5	9,400	27.5	248.2	8,000	305
310				23.1	227.1	8,700	25.4	237.9	7,300	310
315				20.6	214.3	8,000				315



397,300 lb

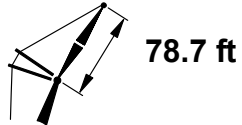
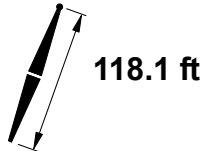
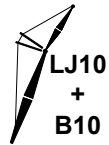


98.4 ft



315.0 ft

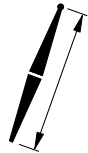
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175	63.7	384.2	32,200				175
180	62.7	381.6	30,500				180
185	61.6	378.9	28,900				185
190	60.6	376.1	27,500				190
195	59.5	373.2	26,100				195
200	58.5	370.1	24,700				200
205	57.4	366.9	23,500				205
210	56.3	363.6	22,300	58.1	366.2	19,600	210
215	55.2	360.1	21,100	57.0	363.0	18,400	215
220	54.1	356.5	20,100	55.9	359.6	17,200	220
225	52.9	352.7	19,000	54.8	356.1	16,100	225
230	51.8	348.8	18,000	53.7	352.4	15,000	230
235	50.6	344.7	17,000	52.5	348.6	14,000	235
240	49.4	340.4	16,000	51.4	344.6	13,100	240
245	48.2	335.9	15,000	50.2	340.4	12,200	245
250	46.9	331.3	14,100	49.0	336.1	11,300	250
255	45.7	326.4	13,200	47.7	331.5	10,400	255
260	44.4	321.3	12,300	46.5	326.8	9,600	260
265	43.0	316.0	11,400	45.2	321.9	8,800	265
270	41.7	310.4	10,600	43.9	316.7	8,000	270
275	40.3	304.5	9,800	42.6	311.3	7,300	275
280	38.8	298.4	9,100				280
285	37.3	291.9	8,300				285
290	35.8	285.0	7,600				290
295	34.2	277.7	7,000				295
300							300
305							305
310							310
315							315



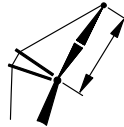
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	73.8	201.2	318,100 c							40
45	70.0	199.3	291,100 c							45
50	66.0	197.1	251,800 b							50
55	61.9	194.4	221,400	70.9	199.1	243,900 c				55
60	57.5	191.3	197,200	67.0	197.0	214,500 b				60
65	53.0	187.5	177,600	62.9	194.4	191,100	67.9	196.5	184,900 b	65
70	48.2	183.1	161,200	58.6	191.4	172,000	63.9	194.0	166,400 b	70
75	42.9	177.8	147,400	54.1	187.8	156,200	59.6	191.1	151,100	75
80	36.9	171.4	135,600	49.4	183.6	142,800	55.2	187.7	138,200	80
85	30.0	163.2	125,300	44.2	178.5	131,400	50.5	183.6	127,100	85
90				38.5	172.4	121,400	45.5	178.7	117,500	90
95	20.8	151.6	116,100	31.8	164.7	112,700	39.9	172.9	109,100	95
100				23.4	154.3	104,900	33.5	165.7	101,600	100
105				7.8	133.5	97,600	25.6	156.1	94,900	105
110							13.5	140.2	88,700	110
115										115
120										120
125										125
130										130
135										135



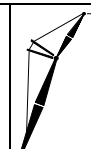
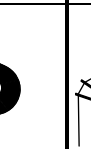
397,300 lb

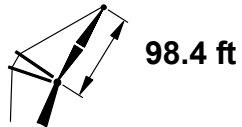
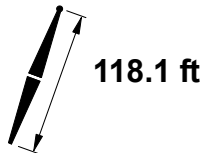
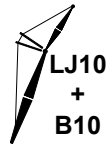


118.1 ft



78.7 ft

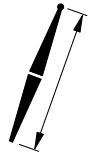
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75	64.0	191.7		130,500 b						75
80	59.8	188.8		120,000						80
85	55.4	185.3		110,900						85
90	50.7	181.3		103,000						90
95	45.6	176.5		96,000	55.3	182.0				95
100	40.1	170.7		89,700	50.6	177.9				100
105	33.7	163.5		84,100	45.5	173.1				105
110	25.9	154.0		78,900	39.9	167.2				110
115	14.0	138.5		74,100	33.5	160.0	50.2	173.3	69,700	115
120					25.7	150.4	45.1	168.4	65,700	120
125					13.7	134.7	39.4	162.5	62,000	125
130							32.9	155.2	58,500	130
135							24.9	145.3	55,300	135
							12.0	128.3	52,100	135



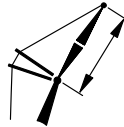
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.1	220.2	266,800 b							45
50	71.0	218.5	251,100 b							50
55	67.9	216.5	220,800							55
60	64.7	214.1	196,700	71.8	218.2	213,600 b				60
65	61.4	211.4	177,100	68.7	216.3	190,300				65
70	57.9	208.2	160,800	65.5	214.0	171,300				70
75	54.4	204.7	147,000	62.2	211.4	155,500	66.2	213.5	150,200	75
80	50.6	200.6	135,300	58.8	208.3	142,200	63.0	211.0	137,300	80
85	46.6	196.0	125,100	55.3	204.9	130,800	59.6	208.1	126,300	85
90	42.4	190.6	116,200	51.6	201.0	120,900	56.1	204.7	116,800	90
95	37.7	184.3	108,300	47.6	196.4	112,300	52.4	200.9	108,400	95
100	32.4	176.7	101,300	43.4	191.3	104,700	48.6	196.5	101,100	100
105	26.1	167.1	95,000	38.9	185.2	97,900	44.5	191.5	94,500	105
110	17.7	153.6	89,200	33.7	178.0	91,900	40.0	185.7	88,700	110
115				27.8	169.0	86,300	35.0	178.8	83,400	115
120				20.1	156.8	81,300	29.3	170.3	78,600	120
125				3.8	129.3	76,300	22.1	159.1	74,100	125
130							10.8	140.2	69,900	130
135										135
140										140
145										145
150										150
155										155



397,300 lb

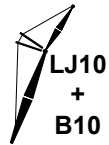


118.1 ft

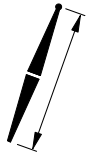


98.4 ft

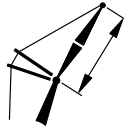
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	63.1	208.6	109,900							85
90	59.7	205.7	102,000							90
95	56.2	202.4	95,100							95
100	52.6	198.6	88,900							100
105	48.7	194.2	83,400	56.1	199.0	78,100				105
110	44.6	189.2	78,400	52.5	195.2	73,400				110
115	40.1	183.4	73,900	48.6	190.8	69,200				115
120	35.2	176.6	69,700	44.5	185.8	65,300	52.2	190.7	60,900	120
125	29.5	168.1	65,900	40.0	180.0	61,700	48.3	186.3	57,600	125
130	22.4	157.1	62,400	35.1	173.1	58,500	44.1	181.2	54,500	130
135	11.3	138.7	59,000	29.3	164.6	55,400	39.6	175.3	51,700	135
140				22.2	153.5	52,600	34.6	168.3	49,000	140
145				10.9	134.7	49,700	28.8	159.6	46,600	145
150							21.5	148.2	44,200	150
155							9.2	127.7	41,900	155



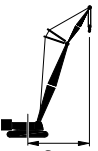
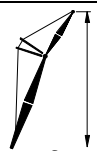
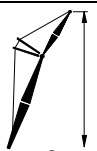
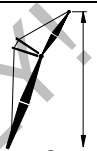
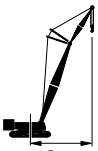
397,300 lb

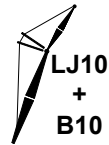


118.1 ft

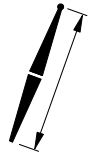


118.1 ft

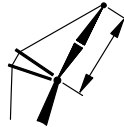
 86°				 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
50	74.3	239.3	231,200 b							50
55	71.8	237.6	220,300							55
60	69.2	235.7	196,200							60
65	66.5	233.5	176,600	69.8	235.5	170,600				65
70	63.8	231.1	160,300	67.2	233.4	154,900				70
75	61.1	228.3	146,600	64.5	231.0	141,600	67.8	232.9	136,600	75
80	58.2	225.2	134,900	61.7	228.3	130,200	65.1	230.6	125,600	80
85	55.3	221.8	124,700	58.9	225.3	120,400	62.4	227.9	116,100	85
90	52.2	217.9	115,900	56.0	221.9	111,800	59.6	225.0	107,800	90
95	49.0	213.6	108,000	53.0	218.2	104,300	56.7	221.7	100,500	95
100	45.6	208.8	101,100	49.8	214.0	97,600	53.7	218.1	94,000	100
105	42.0	203.3	94,900	46.5	209.3	91,500	50.5	214.0	88,200	105
110	38.1	197.1	89,300	42.9	204.0	86,100	47.3	209.4	83,000	110
115	33.9	189.8	84,200	39.1	198.0	81,200	43.8	204.3	78,200	115
120	29.0	181.2	79,500	35.0	191.0	76,700	40.0	198.4	73,900	120
125	23.3	170.4	75,300	30.3	182.8	72,600	36.0	191.7	70,000	125
130	15.4	155.0	71,300	24.8	172.6	68,800	31.5	183.8	66,300	130
135				17.7	158.8	65,300	26.2	174.2	62,900	135
140							19.6	161.5	59,800	140
145							8.5	139.3	56,700	145
150										150
155										155
160										160
165										165
170										170
175										175



397,300 lb

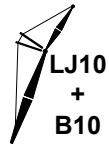


118.1 ft

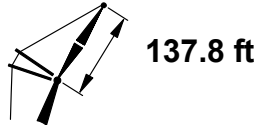
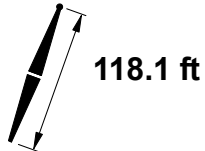


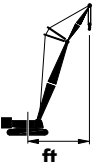
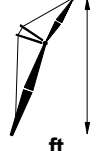
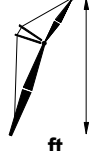
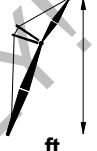
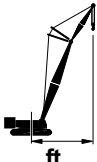
118.1 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	62.5	225.6	94,300							95
100	59.7	222.7	88,200							100
105	56.8	219.4	82,700							105
110	53.8	215.8	77,700							110
115	50.6	211.7	73,300	56.7	216.0	68,400				115
120	47.4	207.1	69,200	53.7	212.4	64,600				120
125	43.9	202.0	65,500	50.6	208.3	61,100				125
130	40.2	196.2	62,100	47.3	203.7	57,900	53.4	207.9	53,700	130
135	36.1	189.5	58,900	43.8	198.6	54,900	50.3	203.8	50,900	135
140	31.6	181.6	56,000	40.1	192.7	52,100	47.0	199.2	48,400	140
145	26.4	172.1	53,200	36.0	186.0	49,600	43.5	194.0	46,000	145
150	19.8	159.5	50,600	31.5	178.2	47,200	39.8	188.1	43,700	150
155	9.1	138.0	48,100	26.2	168.6	45,000	35.7	181.3	41,700	155
160				19.7	155.9	42,800	31.1	173.3	39,700	160
165				8.7	134.0	40,700	25.8	163.5	37,800	165
170							19.0	150.4	36,000	170
175							6.9	126.0	34,200	175



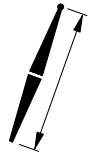
397,300 lb



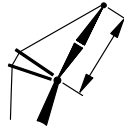
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
55	74.5	258.3	202,700							55
60	72.3	256.7	193,300							60
65	70.1	254.9	175,700							65
70	67.8	252.9	159,500	70.6	254.7	153,900				70
75	65.5	250.6	145,800	68.4	252.7	140,600				75
80	63.2	248.1	134,000	66.1	250.5	129,300	68.9	252.1	124,500	80
85	60.8	245.3	123,900	63.8	248.0	119,500	66.6	250.0	115,000	85
90	58.4	242.2	115,100	61.4	245.3	110,900	64.3	247.6	106,800	90
95	55.9	238.8	107,300	59.0	242.3	103,400	62.0	244.9	99,500	95
100	53.3	235.1	100,300	56.5	239.0	96,700	59.6	242.0	93,000	100
105	50.6	231.0	94,100	53.9	235.3	90,700	57.1	238.7	87,200	105
110	47.8	226.5	88,600	51.3	231.4	85,300	54.5	235.2	82,000	110
115	44.9	221.6	83,500	48.5	227.0	80,400	51.9	231.3	77,300	115
120	41.8	216.0	78,900	45.6	222.1	76,000	49.2	227.0	73,000	120
125	38.5	209.9	74,700	42.6	216.7	71,900	46.3	222.3	69,100	125
130	34.9	202.9	70,900	39.3	210.7	68,200	43.3	217.0	65,500	130
135	31.0	194.8	67,300	35.8	204.0	64,800	40.1	211.2	62,200	135
140	26.5	185.2	64,000	32.0	196.2	61,600	36.7	204.6	59,100	140
145	21.0	173.2	60,900	27.6	187.0	58,600	32.9	197.1	56,300	145
150	13.5	155.9	58,000	22.5	175.7	55,900	28.7	188.3	53,600	150
155				15.7	160.3	53,200	23.8	177.6	51,100	155
160							17.6	163.5	48,800	160
165							6.5	137.5	46,400	165
170										170
175										175
180										180
185										185
190										190
195										195



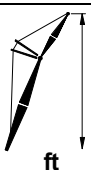
397,300 lb

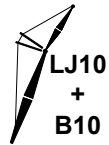


118.1 ft

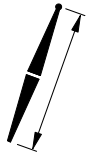


137.8 ft

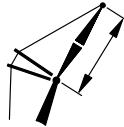
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.0	242.6	81,500							105
110	59.6	239.6	76,600							110
115	57.2	236.4	72,200							115
120	54.6	232.9	68,100							120
125	52.0	229.0	64,500	57.1	233.0	59,900				125
130	49.3	224.7	61,100	54.6	229.5	56,700				130
135	46.4	220.0	58,000	51.9	225.6	53,800				135
140	43.4	214.8	55,100	49.2	221.3	51,000				140
145	40.2	208.9	52,400	46.3	216.6	48,500	51.7	221.1	44,800	145
150	36.8	202.4	49,900	43.3	211.3	46,200	49.0	216.8	42,600	150
155	33.0	194.9	47,600	40.1	205.5	44,000	46.1	212.0	40,500	155
160	28.8	186.1	45,400	36.7	198.9	42,000	43.1	206.7	38,600	160
165	24.0	175.5	43,300	32.9	191.4	40,100	39.8	200.8	36,800	165
170	17.8	161.6	41,300	28.7	182.6	38,200	36.4	194.2	35,100	170
175	7.2	136.5	39,300	23.8	172.0	36,500	32.6	186.6	33,500	175
180				17.6	157.9	34,800	28.4	177.6	32,000	180
185				6.7	132.2	33,100	23.4	166.8	30,500	185
190							17.0	152.3	29,100	190
195							4.4	122.5	27,600	195



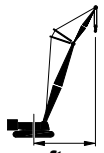
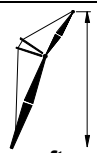
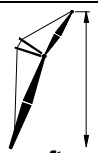
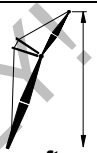
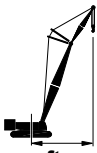
397,300 lb



118.1 ft

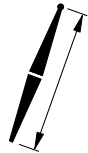


157.5 ft

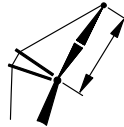
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	74.6	277.4	166,400							60
65	72.7	275.8	159,300							65
70	70.7	274.1	152,300							70
75	68.8	272.1	144,700	71.2	273.8	139,400				75
80	66.8	270.0	133,000	69.3	271.9	128,100				80
85	64.8	267.6	122,800	67.3	269.8	118,300				85
90	62.7	265.0	114,000	65.3	267.5	109,700	67.8	269.3	105,500	90
95	60.7	262.2	106,200	63.2	265.0	102,200	65.8	267.0	98,200	95
100	58.5	259.2	99,300	61.2	262.2	95,500	63.7	264.6	91,800	100
105	56.3	255.8	93,100	59.1	259.2	89,500	61.7	261.9	86,000	105
110	54.1	252.2	87,500	56.9	256.0	84,200	59.6	258.9	80,800	110
115	51.8	248.3	82,500	54.7	252.4	79,300	57.4	255.7	76,100	115
120	49.4	244.1	77,900	52.4	248.6	74,900	55.2	252.3	71,800	120
125	46.9	239.4	73,700	50.0	244.4	70,800	52.9	248.5	67,900	125
130	44.3	234.3	69,900	47.5	239.9	67,100	50.6	244.4	64,400	130
135	41.6	228.8	66,400	45.0	234.9	63,700	48.1	240.0	61,100	135
140	38.7	222.6	63,100	42.3	229.5	60,600	45.6	235.1	58,000	140
145	35.6	215.8	60,100	39.4	223.5	57,700	42.9	229.8	55,200	145
150	32.3	208.1	57,300	36.4	216.8	54,900	40.1	223.9	52,600	150
155	28.6	199.2	54,600	33.1	209.4	52,400	37.1	217.4	50,200	155
160	24.4	188.7	52,200	29.5	200.8	50,000	33.9	210.2	47,900	160
165	19.2	175.5	49,800	25.5	190.8	47,800	30.4	201.9	45,700	165
170	12.0	156.3	47,500	20.6	178.4	45,600	26.5	192.3	43,700	170
175				14.1	161.4	43,600	21.8	180.6	41,700	175
180							15.9	165.0	39,900	180
185							4.5	134.1	37,900	185
190										190
195										195
200										200
205										205
210										210



397,300 lb

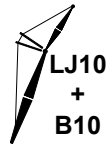


118.1 ft



157.5 ft

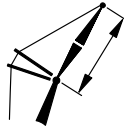
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.8	262.2	75,300							110
115	61.7	259.5	70,800							115
120	59.6	256.6	66,800							120
125	57.5	253.4	63,100							125
130	55.3	249.9	59,800							130
135	53.0	246.2	56,700	57.4	250.0	52,400				135
140	50.6	242.1	53,800	55.2	246.6	49,700				140
145	48.2	237.7	51,200	52.9	242.8	47,200				145
150	45.7	232.8	48,700	50.6	238.7	44,900				150
155	43.0	227.5	46,400	48.1	234.3	42,700	52.7	238.3	39,100	155
160	40.2	221.7	44,300	45.6	229.4	40,700	50.4	234.2	37,200	160
165	37.2	215.2	42,200	43.0	224.1	38,800	47.9	229.7	35,500	165
170	34.0	208.0	40,300	40.2	218.3	37,000	45.4	224.8	33,800	170
175	30.5	199.7	38,500	37.2	211.8	35,400	42.7	219.5	32,200	175
180	26.6	190.1	36,800	34.0	204.5	33,800	39.9	213.6	30,800	180
185	22.0	178.5	35,200	30.5	196.2	32,300	36.9	207.0	29,400	185
190	16.1	163.2	33,600	26.5	186.6	30,800	33.7	199.7	28,000	190
195	5.3	133.8	32,000	21.9	175.0	29,500	30.1	191.3	26,800	195
200				16.0	159.5	28,100	26.1	181.6	25,500	200
205				4.7	129.1	26,700	21.4	169.7	24,400	205
210							15.4	153.7	23,200	210



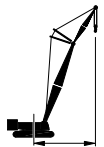
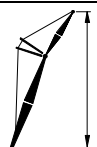
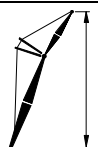
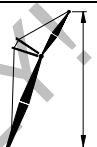
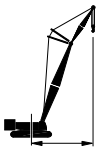
397,300 lb



118.1 ft



177.2 ft

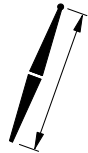
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.6	296.4	148,700							65
70	73.0	294.9	143,500							70
75	71.2	293.2	137,900							75
80	69.5	291.3	132,000	71.7	292.9	127,000				80
85	67.8	289.3	121,900	69.9	291.1	117,200				85
90	66.0	287.0	113,100	68.2	289.1	108,700				90
95	64.2	284.6	105,300	66.4	286.9	101,200	68.6	288.5	97,100	95
100	62.4	282.0	98,300	64.6	284.5	94,500	66.9	286.4	90,600	100
105	60.5	279.2	92,200	62.8	281.9	88,500	65.1	284.1	84,900	105
110	58.6	276.1	86,600	61.0	279.2	83,100	63.3	281.5	79,700	110
115	56.7	272.9	81,600	59.1	276.2	78,300	61.4	278.8	75,000	115
120	54.7	269.3	77,000	57.2	273.0	73,900	59.5	275.9	70,800	120
125	52.7	265.5	72,900	55.2	269.5	69,900	57.6	272.7	66,900	125
130	50.6	261.4	69,000	53.2	265.8	66,200	55.7	269.3	63,300	130
135	48.4	257.0	65,500	51.1	261.8	62,800	53.7	265.6	60,000	135
140	46.2	252.3	62,300	49.0	257.4	59,600	51.6	261.7	57,000	140
145	43.9	247.1	59,300	46.8	252.8	56,700	49.5	257.5	54,200	145
150	41.5	241.5	56,500	44.5	247.7	54,000	47.3	252.9	51,600	150
155	38.9	235.4	53,900	42.1	242.2	51,500	45.0	247.9	49,200	155
160	36.2	228.7	51,400	39.6	236.3	49,200	42.6	242.5	46,900	160
165	33.3	221.2	49,100	36.9	229.7	47,000	40.2	236.7	44,800	165
170	30.1	212.9	47,000	34.0	222.4	44,900	37.5	230.3	42,800	170
175	26.6	203.2	44,900	30.9	214.3	42,900	34.7	223.2	40,900	175
180	22.6	191.9	43,000	27.5	205.0	41,100	31.7	215.3	39,100	180
185	17.7	177.5	41,200	23.7	194.1	39,300	28.4	206.3	37,400	185
190	10.7	156.4	39,400	19.0	180.7	37,600	24.6	195.9	35,800	190
195				12.8	162.1	36,000	20.2	183.2	34,300	195
200							14.5	166.2	32,800	200
205										205
210										210
215										215
220										220
225										225
230										230



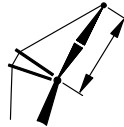
397,300 lb



360°

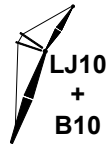


118.1 ft



177.2 ft

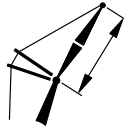
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.3	279.2	65,600							120
125	61.5	276.5	61,900							125
130	59.6	273.5	58,600							130
135	57.7	270.4	55,500							135
140	55.7	267.0	52,700							140
145	53.7	263.3	50,000	57.7	267.0	45,900				145
150	51.7	259.4	47,600	55.7	263.6	43,700				150
155	49.6	255.2	45,300	53.7	259.9	41,500				155
160	47.4	250.6	43,200	51.6	256.0	39,500				160
165	45.1	245.6	41,200	49.5	251.8	37,600	53.5	255.5	34,200	165
170	42.7	240.3	39,300	47.3	247.2	35,900	51.5	251.5	32,600	170
175	40.2	234.4	37,600	45.0	242.2	34,200	49.3	247.2	31,000	175
180	37.6	228.0	35,900	42.7	236.9	32,700	47.1	242.6	29,500	180
185	34.8	221.0	34,300	40.2	231.0	31,200	44.8	237.6	28,200	185
190	31.8	213.1	32,800	37.6	224.6	29,800	42.5	232.2	26,900	190
195	28.5	204.2	31,400	34.7	217.5	28,500	40.0	226.3	25,600	195
200	24.7	193.8	30,000	31.7	209.6	27,200	37.3	219.9	24,500	200
205	20.4	181.2	28,700	28.4	200.6	26,000	34.5	212.7	23,300	205
210	14.7	164.4	27,400	24.7	190.2	24,800	31.5	204.7	22,300	210
215	3.0	128.6	26,000	20.3	177.6	23,700	28.1	195.7	21,200	215
220				14.6	160.7	22,600	24.3	185.1	20,200	220
225				1.6	121.1	21,400	19.8	172.2	19,300	225
230							14.0	154.7	18,300	230



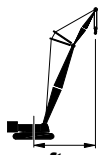
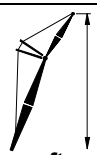
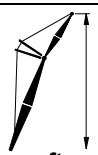
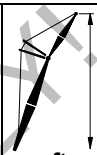
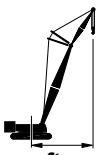
397,300 lb



118.1 ft

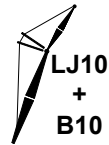


196.9 ft

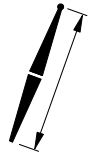
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	74.7	315.5	128,400							70
75	73.2	313.9	127,600							75
80	71.7	312.3	126,000							80
85	70.1	310.5	121,200							85
90	68.5	308.5	112,400	70.5	310.2	107,900				90
95	67.0	306.4	104,600	68.9	308.3	100,400				95
100	65.4	304.1	97,700	67.4	306.2	93,700				100
105	63.7	301.6	91,500	65.8	303.9	87,800	67.7	305.7	84,000	105
110	62.1	299.0	85,900	64.1	301.5	82,400	66.1	303.5	78,900	110
115	60.4	296.1	80,900	62.5	298.9	77,500	64.5	301.1	74,200	115
120	58.7	293.1	76,300	60.8	296.1	73,100	62.9	298.5	70,000	120
125	57.0	289.8	72,200	59.1	293.1	69,100	61.2	295.8	66,100	125
130	55.2	286.4	68,400	57.4	290.0	65,400	59.5	292.8	62,500	130
135	53.4	282.7	64,900	55.6	286.5	62,100	57.8	289.7	59,300	135
140	51.5	278.7	61,600	53.8	282.9	58,900	56.1	286.3	56,300	140
145	49.6	274.5	58,600	52.0	279.0	56,000	54.3	282.8	53,500	145
150	47.7	270.0	55,900	50.1	274.9	53,400	52.4	278.9	50,900	150
155	45.6	265.1	53,300	48.2	270.4	50,900	50.6	274.8	48,500	155
160	43.5	259.9	50,800	46.2	265.6	48,500	48.6	270.4	46,200	160
165	41.4	254.3	48,600	44.1	260.5	46,300	46.6	265.8	44,100	165
170	39.1	248.2	46,400	41.9	255.0	44,300	44.6	260.7	42,100	170
175	36.6	241.6	44,400	39.6	249.0	42,300	42.4	255.3	40,200	175
180	34.1	234.3	42,500	37.2	242.5	40,500	40.2	249.4	38,500	180
185	31.3	226.3	40,700	34.7	235.4	38,800	37.8	243.1	36,800	185
190	28.3	217.2	39,000	32.0	227.6	37,200	35.3	236.1	35,300	190
195	25.0	206.9	37,400	29.1	218.8	35,600	32.7	228.5	33,800	195
200	21.1	194.7	35,900	25.8	208.9	34,100	29.8	220.0	32,300	200
205	16.4	179.3	34,400	22.1	197.2	32,700	26.6	210.3	31,000	205
210	9.5	156.0	32,900	17.7	182.7	31,300	23.1	199.1	29,700	210
215				11.6	162.4	30,000	18.8	185.5	28,400	215
220							13.3	167.1	27,200	220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-2

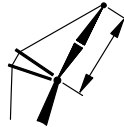
ASME B30.5



397,300 lb

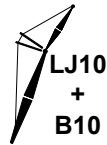


118.1 ft



196.9 ft

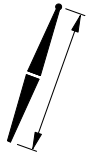
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	62.9	296.2	57,700							130
135	61.3	293.4	54,700							135
140	59.6	290.5	51,800							140
145	57.9	287.4	49,200							145
150	56.1	284.0	46,800							150
155	54.3	280.4	44,500	57.8	284.0	40,600				155
160	52.5	276.6	42,400	56.1	280.6	38,600				160
165	50.6	272.5	40,400	54.3	277.0	36,800				165
170	48.7	268.1	38,500	52.5	273.2	35,000				170
175	46.7	263.5	36,800	50.6	269.1	33,400				175
180	44.6	258.4	35,100	48.6	264.7	31,900	52.3	268.7	28,600	180
185	42.5	253.0	33,600	46.7	260.1	30,400	50.4	264.6	27,300	185
190	40.2	247.2	32,100	44.6	255.0	29,000	48.5	260.2	26,000	190
195	37.9	240.8	30,700	42.4	249.6	27,700	46.5	255.5	24,800	195
200	35.4	233.9	29,400	40.2	243.7	26,500	44.4	250.4	23,600	200
205	32.8	226.3	28,100	37.8	237.4	25,300	42.3	245.0	22,500	205
210	29.9	217.8	26,900	35.4	230.5	24,200	40.0	239.1	21,500	210
215	26.7	208.2	25,800	32.7	222.8	23,100	37.6	232.7	20,500	215
220	23.2	197.0	24,600	29.8	214.3	22,100	35.1	225.7	19,500	220
225	19.0	183.5	23,600	26.7	204.7	21,100	32.5	218.0	18,600	225
230	13.5	165.4	22,500	23.1	193.5	20,100	29.6	209.4	17,700	230
235				18.9	179.9	19,200	26.4	199.6	16,900	235
240				13.4	161.6	18,200	22.8	188.3	16,000	240
245							18.5	174.4	15,200	245
250							12.8	155.5	14,400	250



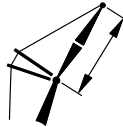
397,300 lb



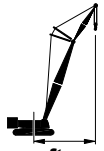
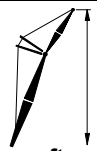
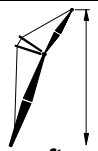
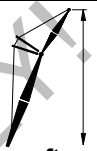
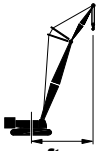
360°



118.1 ft

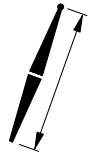


216.5 ft

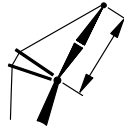
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.8	334.5	105,800							75
80	73.4	333.0	105,100							80
85	72.0	331.4	104,300							85
90	70.6	329.6	103,400							90
95	69.2	327.7	102,600	70.9	329.4	99,300				95
100	67.7	325.7	96,700	69.5	327.5	92,600				100
105	66.3	323.5	90,500	68.1	325.5	86,700				105
110	64.8	321.1	84,900	66.7	323.3	81,300	68.4	324.9	77,700	110
115	63.4	318.6	79,900	65.2	321.0	76,500	67.0	322.8	73,100	115
120	61.9	315.9	75,400	63.7	318.5	72,100	65.5	320.5	68,800	120
125	60.3	313.1	71,200	62.2	315.9	68,100	64.1	318.1	65,000	125
130	58.8	310.1	67,400	60.7	313.1	64,400	62.6	315.5	61,400	130
135	57.2	306.8	63,900	59.2	310.1	61,000	61.1	312.7	58,200	135
140	55.6	303.4	60,700	57.6	306.9	57,900	59.5	309.8	55,200	140
145	54.0	299.8	57,700	56.0	303.6	55,000	58.0	306.7	52,400	145
150	52.3	295.9	54,900	54.4	300.0	52,300	56.4	303.4	49,800	150
155	50.6	291.9	52,300	52.7	296.2	49,800	54.8	299.8	47,400	155
160	48.8	287.5	49,900	51.0	292.2	47,500	53.1	296.1	45,100	160
165	47.0	282.9	47,600	49.3	287.9	45,300	51.4	292.1	43,000	165
170	45.2	277.9	45,500	47.5	283.3	43,300	49.7	287.9	41,100	170
175	43.3	272.7	43,500	45.6	278.5	41,400	47.9	283.4	39,200	175
180	41.3	267.0	41,600	43.7	273.3	39,500	46.1	278.6	37,500	180
185	39.2	260.9	39,900	41.8	267.7	37,800	44.2	273.5	35,800	185
190	37.0	254.4	38,200	39.7	261.8	36,200	42.2	268.0	34,300	190
195	34.7	247.3	36,600	37.5	255.3	34,700	40.2	262.2	32,800	195
200	32.3	239.5	35,100	35.3	248.4	33,200	38.1	255.9	31,400	200
205	29.6	230.9	33,600	32.9	240.8	31,800	35.8	249.0	30,000	205
210	26.8	221.3	32,200	30.3	232.4	30,500	33.5	241.6	28,800	210
215	23.6	210.3	30,900	27.5	223.0	29,200	30.9	233.4	27,500	215
220	19.9	197.2	29,700	24.4	212.4	28,000	28.2	224.3	26,400	220
225	15.3	180.7	28,400	20.8	199.9	26,900	25.1	214.0	25,300	225
230	8.4	155.2	27,200	16.5	184.5	25,700	21.7	202.1	24,200	230
235				10.5	162.5	24,600	17.6	187.5	23,100	235
240							12.2	167.7	22,100	240
245										245
250										250
255										255
260										260
265										265
270										270



397,300 lb

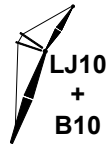


118.1 ft



216.5 ft

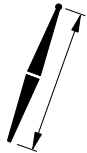
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	62.6	313.1	50,600							140
145	61.1	310.4	48,000							145
150	59.6	307.5	45,600							150
155	58.0	304.3	43,300							155
160	56.4	301.0	41,200							160
165	54.8	297.5	39,200	58.0	301.0	35,500				165
170	53.2	293.8	37,400	56.4	297.6	33,800				170
175	51.5	289.8	35,700	54.8	294.1	32,200				175
180	49.7	285.6	34,000	53.1	290.4	30,600				180
185	48.0	281.1	32,500	51.4	286.4	29,200				185
190	46.1	276.3	31,000	49.7	282.2	27,800	53.0	285.9	24,700	190
195	44.2	271.2	29,600	47.9	277.7	26,500	51.3	281.9	23,500	195
200	42.3	265.8	28,300	46.1	272.9	25,300	49.6	277.7	22,400	200
205	40.3	259.9	27,100	44.2	267.8	24,100	47.8	273.1	21,300	205
210	38.1	253.6	25,900	42.3	262.4	23,000	45.9	268.3	20,300	210
215	35.9	246.8	24,700	40.2	256.5	22,000	44.0	263.2	19,300	215
220	33.5	239.4	23,700	38.1	250.2	21,000	42.1	257.7	18,300	220
225	31.0	231.2	22,600	35.8	243.4	20,000	40.0	251.8	17,400	225
230	28.3	222.2	21,600	33.5	235.9	19,100	37.9	245.5	16,600	230
235	25.2	211.9	20,700	30.9	227.8	18,200	35.6	238.6	15,700	235
240	21.8	200.0	19,700	28.2	218.7	17,300	33.3	231.1	14,900	240
245	17.8	185.5	18,800	25.2	208.4	16,500	30.7	222.9	14,000	245
250	12.4	166.0	17,900	21.7	196.4	15,700	27.9	213.7	13,200	250
255				17.7	181.9	14,900	24.9	203.3	12,400	255
260				12.3	162.2	14,100	21.4	191.2	11,600	260
265							17.3	176.3	10,800	265
270							11.7	155.9	10,000	270



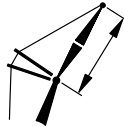
397,300 lb



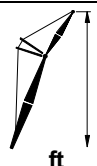
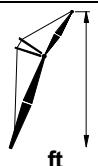
360°



118.1 ft

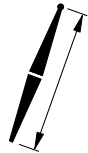


236.2 ft

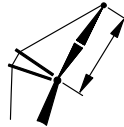
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
80	74.8	353.5	87,300							80
85	73.5	352.1	86,500							85
90	72.3	350.5	85,700							90
95	71.0	348.7	84,900							95
100	69.7	346.9	84,100	71.3	348.5	83,500				100
105	68.4	344.9	83,200	70.0	346.6	82,800				105
110	67.1	342.8	82,400	68.7	344.7	80,400				110
115	65.7	340.5	79,100	67.4	342.6	75,600				115
120	64.4	338.1	74,500	66.1	340.4	71,200	67.7	342.1	67,900	120
125	63.0	335.6	70,300	64.7	338.0	67,200	66.4	339.9	64,000	125
130	61.7	332.9	66,500	63.4	335.5	63,500	65.0	337.6	60,500	130
135	60.3	330.0	63,000	62.0	332.9	60,100	63.7	335.1	57,200	135
140	58.8	327.0	59,800	60.6	330.0	57,000	62.3	332.5	54,200	140
145	57.4	323.8	56,800	59.2	327.1	54,100	60.9	329.7	51,400	145
150	55.9	320.4	54,000	57.8	323.9	51,400	59.5	326.7	48,900	150
155	54.5	316.9	51,500	56.3	320.6	48,900	58.1	323.6	46,500	155
160	52.9	313.1	49,000	54.8	317.1	46,600	56.6	320.4	44,200	160
165	51.4	309.1	46,800	53.3	313.4	44,400	55.2	316.9	42,100	165
170	49.8	304.9	44,700	51.8	309.4	42,400	53.7	313.2	40,100	170
175	48.2	300.5	42,700	50.2	305.3	40,500	52.1	309.3	38,300	175
180	46.5	295.8	40,800	48.6	300.9	38,700	50.6	305.2	36,600	180
185	44.8	290.8	39,000	46.9	296.2	37,000	49.0	300.9	34,900	185
190	43.0	285.4	37,400	45.2	291.3	35,400	47.3	296.3	33,400	190
195	41.2	279.8	35,800	43.5	286.1	33,800	45.6	291.5	31,900	195
200	39.3	273.7	34,300	41.6	280.5	32,400	43.9	286.3	30,500	200
205	37.3	267.2	32,900	39.8	274.5	31,000	42.1	280.8	29,200	205
210	35.2	260.2	31,500	37.8	268.1	29,700	40.2	274.9	27,900	210
215	33.0	252.7	30,200	35.7	261.3	28,500	38.3	268.7	26,700	215
220	30.7	244.4	29,000	33.6	253.9	27,300	36.2	261.9	25,600	220
225	28.1	235.3	27,800	31.3	245.8	26,100	34.1	254.6	24,500	225
230	25.4	225.0	26,600	28.8	236.9	25,000	31.8	246.7	23,400	230
235	22.3	213.4	25,500	26.1	227.0	24,000	29.4	238.0	22,400	235
240	18.7	199.5	24,500	23.1	215.7	23,000	26.7	228.4	21,500	240
245	14.3	181.8	23,400	19.7	202.4	22,000	23.8	217.4	20,500	245
250	7.4	153.9	22,400	15.5	186.0	21,000	20.5	204.7	19,600	250
255				9.6	162.1	20,100	16.6	189.2	18,700	255
260							11.3	168.0	17,800	260
265										265
270										270
275										275
280										280



397,300 lb

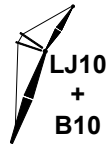


118.1 ft



236.2 ft

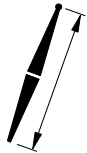
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.7	332.7	47,000							145
150	62.4	330.1	44,600							150
155	61.0	327.3	42,300							155
160	59.6	324.4	40,200							160
165	58.1	321.3	38,300							165
170	56.7	318.0	36,400							170
175	55.2	314.6	34,700	58.1	317.9	31,100				175
180	53.7	310.9	33,100	56.7	314.6	29,600				180
185	52.2	307.0	31,500	55.2	311.2	28,200				185
190	50.6	302.9	30,100	53.7	307.5	26,800				190
195	49.0	298.6	28,700	52.1	303.6	25,500				195
200	47.4	294.0	27,400	50.6	299.5	24,300	53.6	303.0	21,300	200
205	45.7	289.2	26,100	49.0	295.2	23,200	52.0	299.1	20,300	205
210	43.9	284.0	25,000	47.3	290.6	22,100	50.4	295.0	19,200	210
215	42.1	278.5	23,800	45.6	285.8	21,000	48.8	290.7	18,300	215
220	40.3	272.7	22,800	43.9	280.6	20,000	47.2	286.1	17,300	220
225	38.3	266.4	21,700	42.1	275.1	19,100	45.5	281.2	16,300	225
230	36.3	259.7	20,800	40.2	269.2	18,100	43.7	276.0	15,300	230
235	34.2	252.4	19,800	38.3	263.0	17,300	41.9	270.5	14,400	235
240	31.9	244.5	18,900	36.2	256.2	16,400	40.1	264.6	13,500	240
245	29.5	235.9	18,100	34.1	249.0	15,600	38.1	258.3	12,700	245
250	26.8	226.2	17,200	31.8	241.0	14,800	36.1	251.5	11,800	250
255	23.9	215.4	16,400	29.4	232.4	14,100	33.9	244.2	11,100	255
260	20.6	202.7	15,600	26.8	222.7	13,200	31.6	236.2	10,300	260
265	16.7	187.3	14,800	23.9	211.8	12,400	29.2	227.4	9,600	265
270	11.5	166.3	14,100	20.6	199.1	11,600	26.5	217.7	8,800	270
275				16.6	183.7	10,900	23.6	206.7	8,100	275
280				11.3	162.5	10,100	20.2	193.8	7,500	280



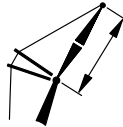
397,300 lb



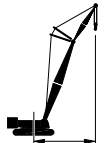
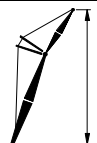
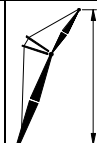
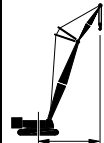
360°



118.1 ft



255.9 ft

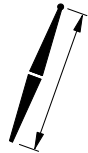
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
85	74.8	372.6	72,600							85
90	73.7	371.1	71,800							90
95	72.5	369.5	71,000							95
100	71.3	367.8	70,200							100
105	70.1	366.0	69,400	71.6	367.6	69,100				105
110	68.9	364.1	68,600	70.4	365.8	68,400				110
115	67.7	362.1	67,800	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	66,100	68.3	361.3	62,800	125
130	64.0	355.1	65,500	65.6	357.4	62,400	67.1	359.2	59,300	130
135	62.8	352.6	62,000	64.3	355.0	59,000	65.9	357.0	56,100	135
140	61.5	349.9	58,800	63.1	352.5	55,900	64.6	354.6	53,100	140
145	60.2	347.0	55,800	61.8	349.8	53,100	63.4	352.1	50,300	145
150	58.9	344.0	53,000	60.5	347.0	50,400	62.1	349.4	47,700	150
155	57.6	340.8	50,500	59.2	344.0	47,900	60.8	346.6	45,300	155
160	56.2	337.5	48,100	57.9	340.9	45,600	59.5	343.7	43,100	160
165	54.9	333.9	45,800	56.6	337.6	43,400	58.2	340.6	41,000	165
170	53.5	330.3	43,700	55.2	334.1	41,400	56.9	337.3	39,000	170
175	52.0	326.4	41,700	53.8	330.5	39,400	55.5	333.9	37,200	175
180	50.6	322.3	39,800	52.4	326.6	37,600	54.1	330.3	35,500	180
185	49.1	318.0	38,100	51.0	322.6	35,900	52.7	326.5	33,800	185
190	47.6	313.4	36,400	49.5	318.3	34,300	51.3	322.5	32,300	190
195	46.1	308.6	34,800	48.0	313.8	32,800	49.8	318.3	30,800	195
200	44.5	303.6	33,300	46.4	309.1	31,400	48.3	313.9	29,400	200
205	42.8	298.2	31,900	44.9	304.1	30,000	46.8	309.2	28,100	205
210	41.1	292.5	30,600	43.2	298.8	28,700	45.2	304.3	26,900	210
215	39.4	286.5	29,300	41.5	293.2	27,500	43.6	299.1	25,700	215
220	37.5	280.0	28,000	39.8	287.3	26,300	41.9	293.5	24,500	220
225	35.6	273.1	26,900	38.0	280.9	25,200	40.2	287.7	23,500	225
230	33.6	265.7	25,700	36.1	274.2	24,100	38.4	281.4	22,400	230
235	31.5	257.7	24,700	34.1	266.9	23,000	36.6	274.8	21,400	235
240	29.3	249.0	23,600	32.1	259.0	22,000	34.6	267.6	20,500	240
245	26.8	239.3	22,600	29.8	250.5	21,100	32.6	259.9	19,600	245
250	24.2	228.5	21,700	27.4	241.1	20,200	30.4	251.5	18,700	250
255	21.2	216.2	20,800	24.8	230.6	19,300	28.0	242.3	17,800	255
260	17.7	201.5	19,800	22.0	218.7	18,400	25.5	232.1	17,000	260
265	13.4	182.8	19,000	18.6	204.7	17,600	22.7	220.6	16,200	265
270	6.4	152.1	18,000	14.6	187.2	16,800	19.5	207.2	15,400	270
275				8.7	161.5	15,900	15.6	190.7	14,700	275
280							10.4	167.9	13,900	280
285										285
290										290



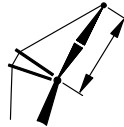
397,300 lb



360°

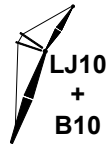


118.1 ft



255.9 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
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	41,100							155
160	62.1	347.1	39,000							160
165	60.9	344.3	37,100							165
170	59.6	341.4	35,200							170
175	58.2	338.3	33,500							175
180	56.9	335.0	31,900							180
185	55.6	331.6	30,400	58.2	334.9	26,900				185
190	54.2	328.0	28,900	56.9	331.6	25,600				190
195	52.8	324.2	27,500	55.5	328.2	24,300				195
200	51.3	320.2	26,200	54.1	324.6	23,100				200
205	49.9	316.0	25,000	52.7	320.8	22,000				205
210	48.4	311.6	23,800	51.3	316.8	20,900				210
215	46.9	306.9	22,700	49.8	312.6	19,800	52.6	316.3	16,500	215
220	45.3	302.0	21,700	48.4	308.2	18,800	51.2	312.3	15,500	220
225	43.7	296.8	20,600	46.8	303.5	17,900	49.7	308.1	14,500	225
230	42.0	291.3	19,700	45.2	298.6	17,000	48.2	303.6	13,600	230
235	40.3	285.4	18,700	43.6	293.4	16,000	46.7	299.0	12,600	235
240	38.5	279.2	17,900	42.0	287.9	15,100	45.1	294.0	11,800	240
245	36.6	272.5	17,000	40.2	282.0	14,200	43.5	288.8	10,900	245
250	34.7	265.4	16,200	38.4	275.8	13,300	41.8	283.2	10,100	250
255	32.6	257.7	15,400	36.6	269.1	12,500	40.1	277.3	9,400	255
260	30.4	249.4	14,600	34.6	261.9	11,600	38.3	271.0	8,600	260
265	28.1	240.2	13,900	32.6	254.2	10,900	36.4	264.3	7,900	265
270	25.6	230.0	13,100	30.4	245.9	10,100	34.5	257.2	7,200	270
275	22.8	218.5	12,300	28.0	236.7	9,400				275
280	19.6	205.2	11,500	25.5	226.5	8,700				280
285	15.7	188.9	10,800	22.7	215.0	8,000				285
290	10.6	166.4	10,000	19.5	201.6	7,300				290



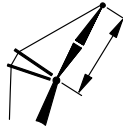
397,300 lb



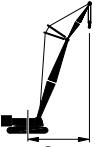
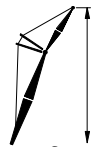
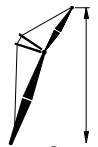
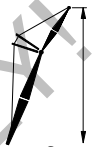
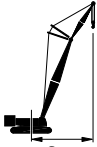
360°



118.1 ft



275.6 ft

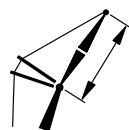
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
90	74.9	391.6	59,500							90
95	73.8	390.2	58,800							95
100	72.7	388.6	58,000							100
105	71.6	386.9	57,300							105
110	70.5	385.2	56,500	71.9	386.7	56,500				110
115	69.4	383.3	55,800	70.8	384.9	55,900				115
120	68.3	381.3	55,100	69.7	383.1	55,200				120
125	67.1	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	130
135	64.9	374.6	53,000	66.3	376.8	53,400	67.7	378.5	52,900	135
140	63.7	372.1	52,300	65.1	374.5	52,700	66.6	376.3	52,200	140
145	62.5	369.5	51,700	64.0	372.1	52,100	65.4	374.0	49,400	145
150	61.3	366.8	51,100	62.8	369.5	49,500	64.3	371.6	46,800	150
155	60.1	363.9	49,600	61.6	366.8	47,000	63.1	369.1	44,400	155
160	58.9	360.9	47,200	60.4	364.0	44,700	61.9	366.4	42,200	160
165	57.7	357.8	45,000	59.2	361.0	42,600	60.7	363.6	40,100	165
170	56.5	354.5	42,900	58.0	357.9	40,500	59.5	360.7	38,200	170
175	55.2	351.0	40,900	56.8	354.6	38,600	58.3	357.6	36,300	175
180	53.9	347.4	39,000	55.5	351.2	36,800	57.1	354.3	34,600	180
185	52.6	343.5	37,300	54.2	347.6	35,100	55.8	350.9	33,000	185
190	51.3	339.5	35,600	52.9	343.8	33,500	54.5	347.4	31,400	190
195	49.9	335.4	34,000	51.6	339.8	32,000	53.2	343.7	30,000	195
200	48.5	331.0	32,500	50.2	335.7	30,600	51.9	339.8	28,600	200
205	47.1	326.3	31,100	48.9	331.3	29,200	50.6	335.7	27,300	205
210	45.7	321.5	29,800	47.5	326.8	27,900	49.2	331.4	26,000	210
215	44.2	316.3	28,500	46.0	322.0	26,700	47.8	326.8	24,800	215
220	42.6	311.0	27,300	44.5	316.9	25,500	46.4	322.1	23,700	220
225	41.1	305.3	26,100	43.0	311.6	24,400	44.9	317.1	22,600	225
230	39.4	299.2	25,000	41.5	306.0	23,300	43.4	311.8	21,600	230
235	37.8	292.8	23,900	39.8	300.0	22,300	41.8	306.3	20,600	235
240	36.0	286.0	22,900	38.2	293.7	21,300	40.2	300.4	19,700	240
245	34.2	278.7	21,900	36.4	287.0	20,300	38.6	294.2	18,800	245
250	32.2	270.9	21,000	34.6	279.9	19,400	36.9	287.6	17,900	250
255	30.2	262.5	20,100	32.7	272.2	18,600	35.1	280.6	17,000	255
260	28.0	253.3	19,200	30.7	263.9	17,700	33.2	273.0	16,200	260
265	25.7	243.1	18,300	28.6	254.9	16,900	31.2	264.9	15,500	265
270	23.1	231.8	17,500	26.3	245.0	16,100	29.1	256.1	14,700	270
275	20.2	218.8	16,700	23.7	234.0	15,400	26.8	246.4	14,000	275
280	16.8	203.4	16,000	20.9	221.5	14,600	24.4	235.7	13,300	280
285	12.5	183.4	15,200	17.7	206.7	13,900	21.6	223.6	12,600	285
290	5.4	149.6	14,400	13.7	188.2	13,200	18.5	209.4	11,800	290
295				7.8	160.4	12,500	14.8	192.0	11,000	295
300							9.6	167.6	10,300	300



397,300 lb

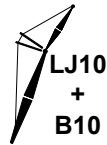


118.1 ft



275.6 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
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	36,100				165
170	62.0	364.1	34,300				170
175	60.8	361.3	32,600				175
180	59.6	358.3	31,000				180
185	58.3	355.2	29,400				185
190	57.1	352.0	28,000				190
195	55.8	348.6	26,600	58.3	351.9	23,300	195
200	54.6	345.1	25,300	57.1	348.6	22,100	200
205	53.3	341.3	24,100	55.8	345.2	21,000	205
210	52.0	337.4	22,900	54.5	341.7	19,900	210
215	50.6	333.3	21,800	53.2	338.0	18,800	215
220	49.2	329.1	20,800	51.9	334.1	17,700	220
225	47.8	324.5	19,800	50.6	330.0	16,600	225
230	46.4	319.8	18,800	49.2	325.7	15,600	230
235	44.9	314.8	17,900	47.8	321.1	14,700	235
240	43.4	309.6	17,000	46.4	316.4	13,700	240
245	41.9	304.0	16,100	44.9	311.4	12,800	245
250	40.3	298.2	15,300	43.4	306.2	12,000	250
255	38.6	292.0	14,400	41.8	300.6	11,200	255
260	36.9	285.4	13,500	40.2	294.7	10,400	260
265	35.1	278.3	12,700	38.6	288.5	9,600	265
270	33.2	270.8	11,900	36.9	281.9	8,900	270
275	31.2	262.7	11,100	35.1	274.9	8,100	275
280	29.1	253.9	10,400	33.2	267.3	7,500	280
285	26.9	244.3	9,700				285
290	24.4	233.6	8,900				290
295	21.7	221.5	8,300				295
300	18.6	207.5	7,600				300



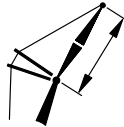
397,300 lb



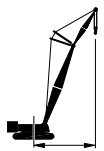
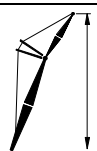
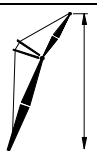
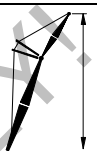
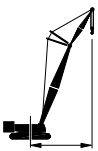
360°



118.1 ft



295.3 ft

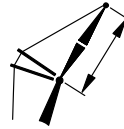
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
95	74.9	410.7	49,700							95
100	73.9	409.2	49,000							100
105	72.9	407.7	48,300							105
110	71.9	406.0	47,600							110
115	70.8	404.3	47,200							115
120	69.8	402.5	46,200	71.1	404.0	46,400				120
125	68.8	400.5	45,500	70.1	402.2	45,800				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	65.8	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	63.9	388.6	41,100	160
165	60.1	380.9	40,800	61.5	383.7	41,200	62.9	386.1	39,000	165
170	59.0	377.9	40,300	60.4	380.9	39,400	61.8	383.4	37,000	170
175	57.8	374.8	39,800	59.3	377.9	37,500	60.6	380.6	35,200	175
180	56.7	371.5	38,000	58.1	374.8	35,700	59.5	377.6	33,500	180
185	55.5	368.0	36,300	57.0	371.6	34,100	58.4	374.5	31,900	185
190	54.3	364.4	34,600	55.8	368.2	32,500	57.2	371.3	30,300	190
195	53.1	360.7	33,000	54.6	364.6	30,900	56.1	368.0	28,900	195
200	51.8	356.8	31,500	53.4	360.9	29,500	54.9	364.5	27,500	200
205	50.6	352.7	30,100	52.2	357.0	28,100	53.7	360.8	26,200	205
210	49.3	348.4	28,800	50.9	353.0	26,900	52.4	356.9	24,900	210
215	48.0	343.9	27,500	49.6	348.8	25,600	51.2	352.9	23,800	215
220	46.7	339.2	26,300	48.3	344.3	24,400	49.9	348.7	22,600	220
225	45.3	334.3	25,100	47.0	339.7	23,300	48.6	344.4	21,600	225
230	43.9	329.1	24,000	45.7	334.8	22,300	47.3	339.8	20,500	230
235	42.5	323.7	22,900	44.3	329.7	21,200	46.0	335.0	19,500	235
240	41.0	318.0	21,900	42.9	324.4	20,300	44.6	329.9	18,600	240
245	39.5	312.0	20,900	41.4	318.7	19,300	43.2	324.6	17,700	245
250	37.9	305.6	20,000	39.9	312.8	18,400	41.7	319.0	16,800	250
255	36.3	298.9	19,100	38.3	306.5	17,600	40.2	313.2	16,000	255
260	34.6	291.7	18,200	36.7	299.9	16,700	38.7	307.0	15,200	260
265	32.8	284.1	17,400	35.0	292.8	15,900	37.1	300.4	14,400	265
270	31.0	275.9	16,600	33.3	285.3	15,100	35.4	293.5	13,500	270
275	29.0	267.0	15,800	31.4	277.2	14,400	33.7	286.1	12,700	275
280	26.9	257.4	15,100	29.5	268.5	13,700	31.9	278.1	11,900	280
285	24.6	246.7	14,300	27.4	259.1	12,900	30.0	269.6	11,100	285
290	22.1	234.9	13,600	25.2	248.7	12,200	27.9	260.4	10,400	290
295	19.3	221.2	13,000	22.7	237.2	11,400	25.7	250.2	9,700	295
300	16.0	205.0	12,300	20.0	224.1	10,700	23.3	239.0	9,000	300
305	11.8	183.9	11,600	16.9	208.6	9,900	20.7	226.3	8,300	305
310	4.4	146.2	10,800	13.0	189.0	9,200	17.7	211.5	7,600	310
315				7.0	159.0	8,500				315



397,300 lb

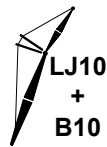


118.1 ft



295.3 ft

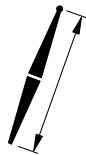
	75°			70°			
ft	ft	ft	lb	ft	ft	lb	ft
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170	64.0	386.3	33,100				170
175	62.9	383.7	31,400				175
180	61.8	381.0	29,800				180
185	60.7	378.2	28,200				185
190	59.6	375.3	26,800				190
195	58.4	372.2	25,500				195
200	57.3	369.0	24,200				200
205	56.1	365.6	22,900	58.4	368.8	19,400	205
210	54.9	362.1	21,800	57.2	365.6	18,200	210
215	53.7	358.5	20,700	56.1	362.3	17,000	215
220	52.5	354.6	19,600	54.9	358.7	15,900	220
225	51.2	350.6	18,600	53.7	355.1	14,900	225
230	50.0	346.4	17,600	52.5	351.2	13,900	230
235	48.7	342.1	16,500	51.2	347.2	12,900	235
240	47.4	337.5	15,500	49.9	343.0	12,000	240
245	46.0	332.7	14,600	48.7	338.7	11,100	245
250	44.6	327.6	13,700	47.3	334.1	10,300	250
255	43.2	322.3	12,800	46.0	329.3	9,500	255
260	41.8	316.8	11,900	44.6	324.2	8,700	260
265	40.3	310.9	11,100	43.2	318.9	7,900	265
270	38.7	304.7	10,300	41.7	313.4	7,200	270
275	37.1	298.2	9,600				275
280	35.5	291.3	8,800				280
285	33.8	283.9	8,100				285
290	31.9	276.0	7,400				290
295							295
300							300
305							305
310							310
315							315



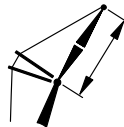
397,300 lb



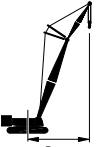
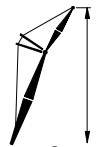
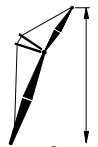
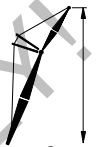
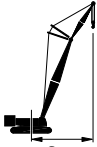
360°



118.1 ft



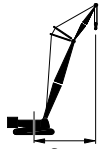
315.0 ft

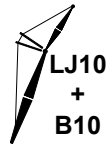
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.9	429.7	41,400							100
105	74.0	428.3	40,700							105
110	73.0	426.7	40,000							110
115	72.1	425.1	39,400							115
120	71.1	423.4	38,700							120
125	70.1	421.6	38,600	71.4	423.1	38,400				125
130	69.2	419.7	37,500	70.4	421.3	37,800				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	67.4	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	64.4	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	62.6	403.0	33,100	175
180	59.0	394.9	32,100	60.3	397.9	32,500	61.6	400.3	32,500	180
185	57.9	391.7	31,700	59.3	394.9	32,000	60.6	397.5	30,900	185
190	56.8	388.5	31,200	58.2	391.8	31,500	59.5	394.6	29,300	190
195	55.7	385.1	30,800	57.1	388.6	30,000	58.4	391.5	27,900	195
200	54.6	381.5	30,400	56.0	385.2	28,600	57.4	388.3	26,500	200
205	53.5	377.8	29,200	54.9	381.7	27,200	56.3	385.0	25,200	205
210	52.4	374.0	27,900	53.8	378.0	25,900	55.2	381.5	24,000	210
215	51.2	370.0	26,600	52.6	374.2	24,700	54.0	377.9	22,800	215
220	50.0	365.8	25,400	51.5	370.3	23,500	52.9	374.1	21,700	220
225	48.8	361.4	24,200	50.3	366.1	22,400	51.7	370.2	20,600	225
230	47.6	356.9	23,100	49.1	361.8	21,300	50.6	366.1	19,600	230
235	46.3	352.1	22,000	47.9	357.3	20,300	49.4	361.8	18,600	235
240	45.0	347.1	21,000	46.6	352.6	19,300	48.2	357.3	17,700	240
245	43.7	341.9	20,000	45.3	347.7	18,400	46.9	352.7	16,700	245
250	42.4	336.5	19,100	44.0	342.5	17,500	45.6	347.8	15,700	250
255	41.0	330.7	18,200	42.7	337.1	16,600	44.3	342.7	14,800	255
260	39.6	324.7	17,400	41.3	331.5	15,800	43.0	337.4	13,900	260
265	38.1	318.4	16,500	39.9	325.5	15,000	41.7	331.8	13,000	265
270	36.6	311.7	15,700	38.5	319.3	14,100	40.2	325.9	12,100	270
275	35.0	304.7	15,000	37.0	312.7	13,300	38.8	319.8	11,300	275
280	33.4	297.2	14,200	35.4	305.7	12,400	37.3	313.2	10,600	280
285	31.6	289.1	13,500	33.8	298.3	11,600	35.8	306.4	9,800	285
290	29.8	280.6	12,700	32.1	290.5	10,900	34.2	299.1	9,100	290
295	27.9	271.3	11,900	30.3	282.0	10,100	32.5	291.3	8,400	295
300	25.9	261.2	11,200	28.4	272.9	9,400	30.7	283.0	7,700	300
305	23.7	250.1	10,400	26.4	263.1	8,700	28.9	274.1	7,000	305
310	21.2	237.7	9,700							310



397,300 lb



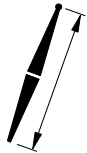
	75°		
			
	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180	63.7	403.3	28,700
185	62.7	400.7	27,200
190	61.6	398.0	25,800
195	60.6	395.2	24,400
200	59.5	392.2	23,100
205	58.5	389.2	21,900
210	57.4	386.0	20,700
215	56.3	382.6	19,500
220	55.2	379.2	18,300
225	54.1	375.6	17,200
230	52.9	371.8	16,100
235	51.8	367.9	15,100
240	50.6	363.8	14,100
245	49.4	359.5	13,100
250	48.2	355.0	12,200
255	46.9	350.4	11,400
260	45.7	345.5	10,500
265	44.4	340.4	9,700
270	43.1	335.1	8,900
275	41.7	329.5	8,200
280	40.3	323.7	7,500
285			
290			
295			
300			
305			
310			



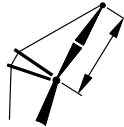
397,300 lb



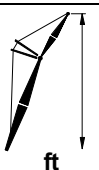
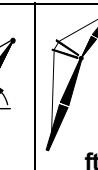
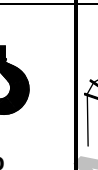
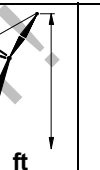
360°



137.8 ft



78.7 ft

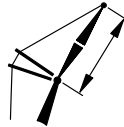
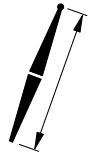
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
40	74.9	221.2	312,000 d							40
45	71.0	219.5	290,000 c							45
50	67.1	217.4	250,800 b							50
55	63.0	214.8	220,600 b	68.9	217.6	212,300 c				55
60	58.7	211.8	196,500	64.9	215.2	189,100 b				60
65	54.3	208.2	176,900	60.7	212.4	170,300	66.6	215.1	163,600 b	65
70	49.5	204.0	160,600	56.3	209.1	154,600	62.5	212.5	148,500 b	70
75	44.4	199.0	146,900	51.7	205.2	141,400	58.3	209.5	135,800	75
80	38.6	192.9	135,100	46.7	200.6	130,000	53.8	205.8	124,900	80
85	32.0	185.3	124,800	41.3	195.0	120,200	49.0	201.5	115,500	85
90	23.7	175.0	115,800	35.1	188.2	111,600	43.8	196.4	107,200	90
95	8.8	155.2	107,500	27.7	179.3	103,900	38.0	190.2	99,900	95
100				17.3	165.9	96,900	31.2	182.4	93,300	100
105							22.5	171.6	87,400	105
110										110
115										115
120										120
125										125
130										130
135										135
140										140

MLC300 S-2

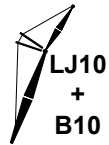
ASME B30.5



397,300 lb



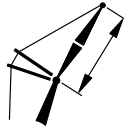
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	59.8	207.8	107,600							85
90	55.4	204.4	99,900							90
95	50.8	200.4	93,100							95
100	45.7	195.6	87,000	56.8	201.7	80,600				100
105	40.2	189.8	81,600	52.2	197.9	75,600				105
110	33.8	182.7	76,600	47.3	193.3	71,000				110
115	26.0	173.2	72,100	41.9	187.9	66,900	53.3	194.0	61,600	115
120	14.4	158.0	67,800	35.9	181.2	63,100	48.5	189.6	58,100	120
125				28.7	172.6	59,500	43.2	184.4	54,900	125
130				18.8	160.1	56,200	37.4	178.1	51,900	130
135							30.5	170.0	49,200	135
140							21.5	158.8	46,500	140



397,300 lb

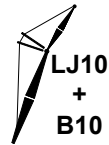


137.8 ft

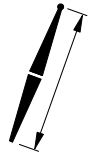


98.4 ft

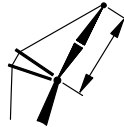
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	75.0	240.3	262,900 c							45
50	71.9	238.6	250,100 b							50
55	68.8	236.7	219,900 b							55
60	65.6	234.4	195,900	70.2	236.8	188,200 b				60
65	62.3	231.8	176,300	67.0	234.7	169,400				65
70	58.9	228.8	160,100	63.8	232.2	153,800	68.4	234.5	147,500 b	70
75	55.4	225.3	146,400	60.4	229.4	140,600	65.2	232.2	134,800	75
80	51.7	221.4	134,700	57.0	226.1	129,400	61.9	229.5	124,000	80
85	47.8	216.9	124,600	53.4	222.4	119,600	58.5	226.4	114,600	85
90	43.6	211.8	115,700	49.5	218.2	111,100	55.0	222.9	106,400	90
95	39.0	205.7	107,900	45.5	213.4	103,600	51.2	219.0	99,200	95
100	33.9	198.5	100,900	41.1	207.8	96,900	47.3	214.4	92,800	100
105	28.0	189.6	94,600	36.3	201.1	90,900	43.1	209.2	87,000	105
110	20.4	177.6	88,900	30.8	193.1	85,400	38.5	203.0	81,800	110
115	5.4	152.5	83,400	24.1	182.8	80,500	33.3	195.7	77,100	115
120				14.5	167.1	75,800	27.2	186.5	72,800	120
125							19.3	173.9	68,800	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160



397,300 lb

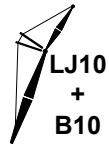


137.8 ft



98.4 ft

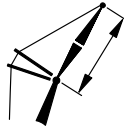
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	63.1	227.7	98,700							90
95	59.8	224.8	92,000							95
100	56.3	221.5	86,000							100
105	52.6	217.7	80,700							105
110	48.8	213.3	75,800	57.4	218.7	69,900				110
115	44.7	208.4	71,500	53.8	215.1	65,800				115
120	40.2	202.6	67,500	50.0	210.9	62,100				120
125	35.3	195.7	63,800	46.0	206.1	58,700				125
130	29.6	187.3	60,400	41.6	200.6	55,600	50.9	207.1	50,800	130
135	22.5	176.3	57,200	36.9	194.1	52,700	46.9	202.5	48,200	135
140	11.6	158.2	54,100	31.4	186.3	50,000	42.7	197.2	45,700	140
145				24.9	176.3	47,500	38.0	190.9	43,400	145
150				15.9	161.6	45,000	32.8	183.4	41,200	150
155							26.6	174.0	39,200	155
160							18.4	160.9	37,200	160



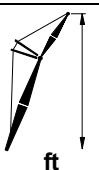
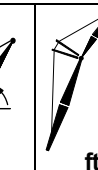
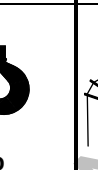
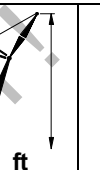
397,300 lb



137.8 ft



118.1 ft

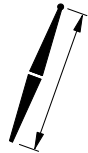
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
55	72.5	257.7	219,400	b						55
60	69.9	255.9	195,400							60
65	67.3	253.8	175,800		71.1	256.0	168,700			65
70	64.6	251.4	159,600		68.4	254.0	153,100			70
75	61.8	248.7	146,000		65.8	251.7	140,000			75
80	59.0	245.7	134,300		63.1	249.2	128,800	67.0	251.6	123,200
85	56.1	242.4	124,200		60.3	246.3	119,000	64.3	249.2	113,900
90	53.0	238.7	115,300		57.4	243.1	110,600	61.5	246.4	105,800
95	49.9	234.5	107,600		54.4	239.6	103,100	58.7	243.4	98,600
100	46.6	229.8	100,600		51.3	235.6	96,400	55.7	240.0	92,200
105	43.0	224.5	94,500		48.1	231.2	90,500	52.7	236.2	86,500
110	39.2	218.5	88,900		44.7	226.2	85,100	49.5	232.0	81,400
115	35.1	211.6	83,800		41.0	220.5	80,300	46.2	227.2	76,700
120	30.4	203.4	79,200		37.0	214.0	75,800	42.6	221.9	72,500
125	25.0	193.3	75,000		32.6	206.4	71,800	38.8	215.8	68,600
130	17.9	179.6	71,000		27.6	197.3	68,000	34.6	208.7	65,000
135					21.4	185.6	64,600	29.9	200.4	61,700
140					12.3	167.6	61,200	24.3	190.0	58,600
145								16.9	175.7	55,700
150										
155										
160										
165										
170										
175										
180										



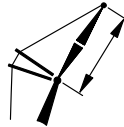
397,300 lb



360°

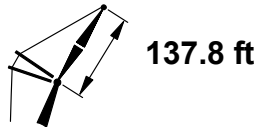
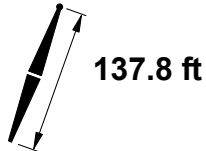
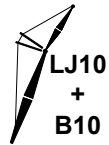


137.8 ft



118.1 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.5	244.7		85,200						100
105	59.7	241.7		79,900						105
110	56.8	238.5		75,100						110
115	53.8	234.9		70,800						115
120	50.7	230.8		66,800	57.7	235.7				120
125	47.4	226.2		63,200	54.8	232.2				125
130	44.0	221.1		59,900	51.7	228.3				130
135	40.2	215.3		56,900	48.5	223.9				135
140	36.2	208.6		54,000	45.0	218.9				140
145	31.7	200.8		51,400	41.4	213.4	52.4	224.4	44,900	145
150	26.5	191.3		48,900	37.5	207.0	49.2	220.1	42,600	150
155	20.0	178.8		46,500	33.1	199.5	45.9	215.3	40,500	155
160	9.4	157.7		44,200	28.2	190.6	42.3	209.9	38,600	160
165					22.2	179.3	38.4	203.7	36,700	165
170					13.6	162.5	34.2	196.6	35,000	170
175							29.4	188.1	33,400	175
180							23.7	177.4	31,800	180
							16.1	162.5	30,200	180



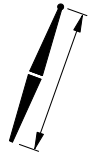
	86°			83°			80°			
ft	ft	ft	lb	ft	lb	ft	lb	lb	ft	
60	72.9	276.8	191,200						60	
65	70.7	275.1	175,000						65	
70	68.4	273.1	158,800	71.7	275.1	152,100			70	
75	66.2	270.9	145,100	69.5	273.2	139,000			75	
80	63.9	268.4	133,400	67.2	271.1	127,700			80	
85	61.5	265.7	123,300	64.9	268.7	118,000	68.2	270.9	112,800	85
90	59.1	262.7	114,500	62.6	266.1	109,600	65.9	268.6	104,600	90
95	56.6	259.4	106,800	60.2	263.3	102,100	63.6	266.1	97,500	95
100	54.0	255.8	99,900	57.7	260.1	95,500	61.2	263.4	91,100	100
105	51.4	251.8	93,700	55.2	256.7	89,600	58.8	260.4	85,400	105
110	48.6	247.4	88,200	52.6	252.9	84,200	56.3	257.0	80,300	110
115	45.7	242.6	83,100	49.8	248.7	79,400	53.7	253.4	75,700	115
120	42.7	237.3	78,600	47.0	244.0	75,000	51.1	249.4	71,500	120
125	39.4	231.3	74,400	44.0	238.9	71,000	48.3	244.9	67,700	125
130	35.9	224.5	70,600	40.9	233.2	67,300	45.4	240.1	64,100	130
135	32.1	216.8	67,000	37.5	226.9	64,000	42.3	234.6	60,900	135
140	27.8	207.6	63,700	33.9	219.6	60,800	39.0	228.6	57,900	140
145	22.7	196.4	60,600	29.8	211.1	57,900	35.5	221.7	55,100	145
150	16.0	181.2	57,700	25.1	201.0	55,100	31.6	213.8	52,500	150
155				19.3	188.0	52,600	27.2	204.5	50,000	155
160				10.5	167.5	50,000	22.0	193.0	47,700	160
165							15.0	177.0	45,500	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200



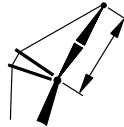
397,300 lb



360°

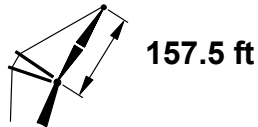
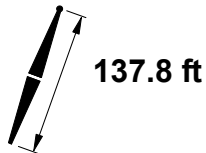
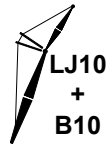


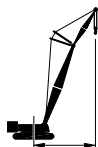
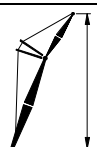
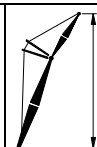
137.8 ft



137.8 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
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	73,900							110
115	59.7	258.7	69,600							115
120	57.2	255.5	65,700							120
125	54.7	252.0	62,100							125
130	52.0	248.1	58,800	58.0	252.7	53,600				130
135	49.3	243.8	55,800	55.5	249.3	50,800				135
140	46.4	239.1	53,000	52.9	245.5	48,200				140
145	43.4	233.9	50,400	50.2	241.3	45,800				145
150	40.3	228.1	48,000	47.3	236.8	43,600	53.5	241.6	39,200	150
155	36.8	221.5	45,800	44.4	231.7	41,500	50.8	237.5	37,300	155
160	33.1	214.0	43,600	41.3	226.1	39,500	48.0	233.1	35,500	160
165	28.9	205.3	41,600	37.9	219.8	37,700	45.1	228.1	33,800	165
170	24.1	194.8	39,800	34.3	212.6	36,000	42.0	222.6	32,300	170
175	17.9	180.9	37,900	30.3	204.3	34,400	38.7	216.5	30,800	175
180	7.5	156.4	36,100	25.6	194.4	32,800	35.2	209.6	29,300	180
185				20.0	181.8	31,300	31.2	201.6	28,000	185
190				11.8	162.9	29,800	26.8	192.1	26,700	190
195							21.4	180.3	25,500	195
200							14.2	163.6	24,200	200



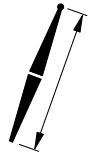
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
65	73.2	295.9	157,500							65
70	71.3	294.2	151,100							70
75	69.3	292.3	144,000							75
80	67.3	290.2	132,300	70.2	292.4	126,500				80
85	65.3	287.9	122,300	68.2	290.4	116,800				85
90	63.3	285.4	113,400	66.3	288.2	108,400				90
95	61.2	282.7	105,700	64.2	285.7	100,900	67.1	288.0	96,200	95
100	59.1	279.7	98,800	62.2	283.1	94,300	65.1	285.7	89,800	100
105	56.9	276.4	92,600	60.1	280.2	88,400	63.1	283.1	84,200	105
110	54.7	272.9	87,100	57.9	277.1	83,100	61.0	280.3	79,100	110
115	52.4	269.1	82,100	55.7	273.7	78,300	58.9	277.3	74,500	115
120	50.1	264.9	77,500	53.5	270.0	73,900	56.7	274.1	70,300	120
125	47.6	260.4	73,400	51.1	266.0	69,900	54.5	270.5	66,400	125
130	45.1	255.4	69,600	48.7	261.7	66,200	52.2	266.6	62,900	130
135	42.4	250.0	66,000	46.2	256.9	62,900	49.8	262.4	59,700	135
140	39.5	244.0	62,800	43.6	251.7	59,800	47.3	257.9	56,700	140
145	36.5	237.4	59,800	40.8	246.0	56,900	44.8	252.9	54,000	145
150	33.2	229.9	57,000	37.9	239.7	54,200	42.1	247.4	51,400	150
155	29.7	221.4	54,400	34.7	232.6	51,700	39.2	241.3	49,000	155
160	25.6	211.4	51,900	31.3	224.6	49,300	36.2	234.6	46,700	160
165	20.8	199.2	49,600	27.5	215.3	47,100	32.9	227.1	44,600	165
170	14.4	182.3	47,300	23.1	204.2	45,000	29.2	218.4	42,600	170
175				17.5	190.0	43,000	25.1	208.2	40,700	175
180				9.0	166.9	41,000	20.2	195.6	38,900	180
185							13.5	177.9	37,200	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-2

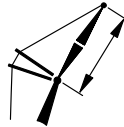
ASME B30.5



397,300 lb

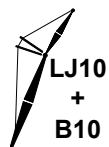


137.8 ft



157.5 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	ft	ft
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		68,200						115
120	61.8	278.6		64,300						120
125	59.7	275.7		60,700						125
130	57.5	272.5		57,500						130
135	55.3	269.0		54,500						135
140	53.0	265.3		51,700	58.2	269.7	46,800			140
145	50.7	261.2		49,100	56.0	266.3	44,400			145
150	48.2	256.8		46,700	53.7	262.6	42,200			150
155	45.7	251.9		44,500	51.4	258.7	40,100			155
160	43.1	246.6		42,400	49.0	254.3	38,200			160
165	40.3	240.8		40,500	46.5	249.6	36,400	51.9	254.8	165
170	37.3	234.4		38,600	43.9	244.5	34,700	49.6	250.6	170
175	34.1	227.1		36,900	41.1	238.8	33,100	47.1	246.0	175
180	30.6	218.9		35,300	38.2	232.6	31,600	44.5	240.9	180
185	26.7	209.4		33,700	35.1	225.6	30,200	41.8	235.4	185
190	22.1	197.8		32,200	31.7	217.7	28,800	38.9	229.3	190
195	16.2	182.5		30,800	27.9	208.6	27,500	35.9	222.5	195
200	5.7	154.1		29,200	23.6	197.8	26,300	32.5	214.8	200
205					18.2	184.0	25,000	28.9	206.1	205
210					10.3	162.8	23,800	24.7	195.7	210
215								19.6	182.8	215
220								12.6	164.2	220



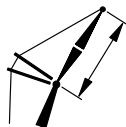
397,300 lb



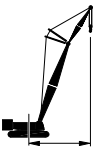
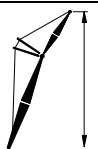
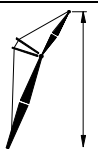
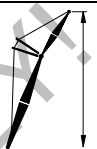
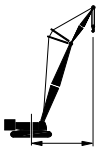
360°

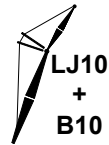


137.8 ft

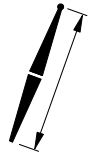


177.2 ft

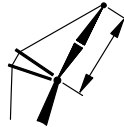
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
70	73.4	315.0	141,100							70
75	71.7	313.3	136,400							75
80	70.0	311.5	131,100							80
85	68.3	309.5	121,300	70.8	311.5	115,700				85
90	66.5	307.3	112,500	69.0	309.6	107,300				90
95	64.7	304.9	104,700	67.3	307.5	99,800				95
100	62.9	302.4	97,800	65.5	305.2	93,200	68.1	307.3	88,700	100
105	61.0	299.6	91,700	63.7	302.7	87,300	66.3	305.1	83,000	105
110	59.2	296.6	86,200	61.9	300.1	82,000	64.5	302.7	77,900	110
115	57.2	293.4	81,200	60.0	297.2	77,200	62.7	300.1	73,300	115
120	55.3	290.0	76,600	58.1	294.1	72,900	60.8	297.3	69,100	120
125	53.3	286.2	72,500	56.2	290.7	68,900	58.9	294.3	65,300	125
130	51.2	282.2	68,700	54.2	287.1	65,200	57.0	291.1	61,800	130
135	49.0	277.9	65,200	52.1	283.3	61,900	55.0	287.6	58,600	135
140	46.8	273.3	61,900	50.0	279.1	58,800	53.0	283.8	55,700	140
145	44.5	268.2	58,900	47.8	274.6	55,900	50.9	279.8	52,900	145
150	42.1	262.8	56,200	45.6	269.7	53,300	48.8	275.4	50,400	150
155	39.6	256.8	53,600	43.2	264.5	50,800	46.6	270.7	48,000	155
160	37.0	250.2	51,100	40.8	258.7	48,400	44.3	265.6	45,800	160
165	34.1	243.0	48,900	38.2	252.5	46,300	41.9	260.1	43,700	165
170	31.0	234.9	46,700	35.4	245.6	44,200	39.3	254.1	41,700	170
175	27.6	225.7	44,700	32.5	237.9	42,300	36.7	247.5	39,900	175
180	23.8	214.8	42,800	29.2	229.2	40,500	33.8	240.2	38,100	180
185	19.2	201.5	40,900	25.6	219.1	38,700	30.7	231.9	36,500	185
190	13.0	183.1	39,200	21.4	207.1	37,100	27.2	222.6	34,900	190
195				16.1	191.6	35,500	23.3	211.5	33,400	195
200				7.6	165.6	33,800	18.6	197.8	31,900	200
205							12.1	178.4	30,500	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240



397,300 lb

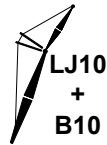


137.8 ft



177.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
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	298.2	59,500							125
130	61.5	295.5	56,200							130
135	59.6	292.6	53,200							135
140	57.7	289.5	50,500							140
145	55.8	286.1	47,900							145
150	53.8	282.4	45,600	58.3	286.6	40,900				150
155	51.7	278.5	43,400	56.4	283.3	38,800				155
160	49.6	274.3	41,300	54.4	279.7	36,900				160
165	47.4	269.7	39,400	52.4	275.9	35,200				165
170	45.1	264.7	37,600	50.3	271.8	33,500				170
175	42.8	259.4	35,900	48.1	267.3	31,900	52.8	272.0	28,100	175
180	40.3	253.6	34,200	45.8	262.5	30,400	50.7	267.9	26,700	180
185	37.7	247.2	32,700	43.5	257.3	29,000	48.6	263.6	25,400	185
190	34.9	240.1	31,300	41.1	251.6	27,700	46.4	258.8	24,200	190
195	31.8	232.3	29,900	38.5	245.4	26,400	44.1	253.7	23,000	195
200	28.5	223.3	28,600	35.7	238.5	25,200	41.6	248.1	21,900	200
205	24.8	213.0	27,300	32.8	231.0	24,100	39.1	242.1	20,900	205
210	20.5	200.4	26,100	29.6	222.4	23,000	36.4	235.4	19,900	210
215	14.8	183.8	24,900	26.0	212.5	21,900	33.5	228.0	18,900	215
220	3.7	149.8	23,600	21.9	200.8	20,900	30.4	219.7	18,000	220
225				16.8	185.8	19,900	26.9	210.1	17,100	225
230				9.0	162.2	18,900	22.9	198.9	16,200	230
235							18.1	184.9	15,400	235
240							11.3	164.5	14,500	240



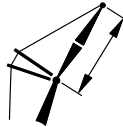
397,300 lb



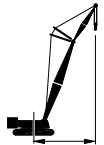
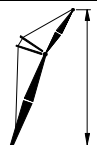
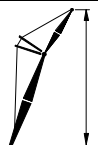
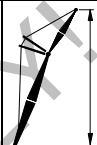
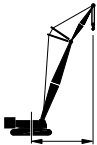
360°



137.8 ft



196.9 ft

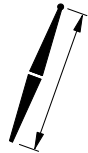
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
75	73.6	334.0	119,200							75
80	72.1	332.4	118,600							80
85	70.5	330.6	117,900							85
90	69.0	328.7	111,800	71.2	330.6	106,500				90
95	67.4	326.6	104,000	69.7	328.8	99,000				95
100	65.8	324.4	97,100	68.1	326.8	92,400				100
105	64.2	321.9	91,000	66.5	324.6	86,500	68.8	326.5	82,100	105
110	62.5	319.3	85,500	64.9	322.2	81,200	67.2	324.4	77,100	110
115	60.9	316.6	80,500	63.3	319.7	76,500	65.6	322.1	72,500	115
120	59.2	313.6	75,900	61.6	317.0	72,100	64.0	319.7	68,300	120
125	57.5	310.4	71,800	60.0	314.1	68,100	62.4	317.1	64,500	125
130	55.7	307.0	68,000	58.2	311.1	64,500	60.7	314.3	61,000	130
135	53.9	303.4	64,500	56.5	307.7	61,200	59.0	311.3	57,800	135
140	52.1	299.5	61,300	54.7	304.2	58,100	57.3	308.0	54,900	140
145	50.2	295.3	58,300	52.9	300.5	55,200	55.5	304.6	52,100	145
150	48.2	290.9	55,500	51.0	296.4	52,500	53.7	301.0	49,600	150
155	46.2	286.1	52,900	49.1	292.1	50,100	51.9	297.0	47,200	155
160	44.1	281.0	50,500	47.1	287.5	47,800	50.0	292.9	45,000	160
165	42.0	275.5	48,300	45.1	282.5	45,600	48.0	288.4	42,900	165
170	39.7	269.5	46,100	43.0	277.2	43,600	46.0	283.6	41,000	170
175	37.3	263.1	44,100	40.7	271.5	41,700	43.9	278.4	39,200	175
180	34.8	256.0	42,300	38.4	265.2	39,900	41.7	272.9	37,400	180
185	32.1	248.2	40,500	36.0	258.5	38,100	39.4	266.9	35,800	185
190	29.2	239.5	38,800	33.3	251.0	36,500	37.1	260.3	34,300	190
195	25.9	229.5	37,200	30.5	242.7	35,000	34.5	253.2	32,800	195
200	22.3	217.9	35,600	27.4	233.4	33,500	31.8	245.3	31,400	200
205	17.8	203.6	34,200	24.0	222.6	32,100	28.8	236.4	30,100	205
210	11.8	183.6	32,700	19.9	209.7	30,800	25.6	226.4	28,800	210
215				14.8	192.9	29,500	21.8	214.5	27,600	215
220				6.2	163.7	28,200	17.3	199.8	26,400	220
225							10.9	178.6	25,200	225
230										230
235										235
240										240
245										245
250										250
255										255
260										260



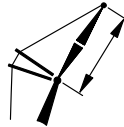
397,300 lb



360°

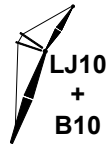


137.8 ft



196.9 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
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	52,300							135
140	61.3	312.5	49,600							140
145	59.6	309.6	47,100							145
150	57.9	306.4	44,700							150
155	56.2	303.1	42,500							155
160	54.4	299.5	40,500	58.4	303.6	36,000				160
165	52.5	295.7	38,500	56.7	300.3	34,200				165
170	50.7	291.6	36,700	54.9	296.8	32,600				170
175	48.7	287.2	35,100	53.1	293.1	31,000				175
180	46.7	282.6	33,500	51.2	289.1	29,500				180
185	44.7	277.6	31,900	49.3	284.8	28,200	53.5	289.1	24,500	185
190	42.5	272.1	30,500	47.4	280.2	26,800	51.7	285.2	23,200	190
195	40.3	266.3	29,200	45.3	275.3	25,600	49.8	281.0	22,100	195
200	37.9	260.0	27,900	43.2	270.0	24,400	47.8	276.5	21,000	200
205	35.5	253.1	26,700	41.0	264.3	23,300	45.8	271.7	20,000	205
210	32.8	245.5	25,500	38.7	258.2	22,200	43.7	266.5	19,000	210
215	29.9	237.0	24,400	36.2	251.4	21,200	41.5	260.9	18,100	215
220	26.8	227.4	23,300	33.6	244.1	20,200	39.2	254.8	17,200	220
225	23.2	216.3	22,300	30.9	235.9	19,300	36.8	248.2	16,200	225
230	19.1	202.8	21,300	27.8	226.7	18,400	34.3	241.0	15,300	230
235	13.6	184.8	20,300	24.4	216.1	17,500	31.5	233.0	14,400	235
240				20.4	203.4	16,600	28.5	224.1	13,600	240
245				15.5	187.2	15,800	25.2	213.9	12,700	245
250				7.7	161.0	14,900	21.4	201.8	11,900	250
255							16.8	186.7	11,100	255
260							10.1	164.3	10,300	260



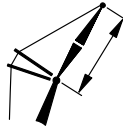
397,300 lb



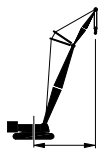
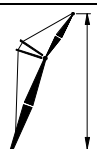
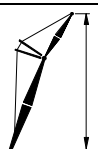
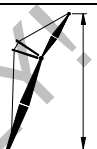
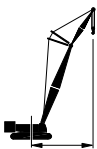
360°



137.8 ft



216.5 ft

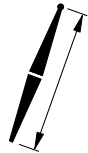
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	73.8	353.1	99,100							80
85	72.4	351.5	98,400							85
90	71.0	349.7	97,700							90
95	69.6	347.9	97,000	71.6	349.7	96,000				95
100	68.1	345.9	96,100	70.2	347.9	91,300				100
105	66.7	343.7	90,000	68.8	346.0	85,400				105
110	65.2	341.4	84,500	67.3	343.9	80,100				110
115	63.8	338.9	79,500	65.9	341.7	75,400	68.0	343.7	71,300	115
120	62.3	336.3	74,900	64.4	339.3	71,000	66.5	341.5	67,100	120
125	60.8	333.5	70,800	62.9	336.7	67,100	65.1	339.2	63,300	125
130	59.2	330.5	67,000	61.4	334.0	63,400	63.6	336.7	59,900	130
135	57.6	327.4	63,500	59.9	331.1	60,100	62.1	334.0	56,700	135
140	56.1	324.0	60,300	58.4	328.0	57,000	60.6	331.2	53,700	140
145	54.4	320.5	57,300	56.8	324.7	54,100	59.0	328.2	51,000	145
150	52.8	316.7	54,500	55.2	321.3	51,500	57.5	325.0	48,500	150
155	51.1	312.6	52,000	53.5	317.6	49,000	55.9	321.6	46,100	155
160	49.3	308.4	49,600	51.8	313.7	46,700	54.2	318.1	43,900	160
165	47.5	303.8	47,300	50.1	309.5	44,600	52.6	314.2	41,800	165
170	45.7	299.0	45,200	48.4	305.1	42,600	50.9	310.2	39,900	170
175	43.8	293.8	43,200	46.5	300.4	40,600	49.1	305.9	38,100	175
180	41.8	288.2	41,300	44.7	295.4	38,900	47.3	301.3	36,400	180
185	39.8	282.3	39,600	42.7	290.0	37,200	45.5	296.4	34,800	185
190	37.6	275.9	37,900	40.7	284.2	35,600	43.6	291.2	33,200	190
195	35.3	268.9	36,300	38.6	278.0	34,100	41.6	285.6	31,800	195
200	32.9	261.4	34,800	36.4	271.3	32,600	39.5	279.6	30,400	200
205	30.4	253.0	33,400	34.0	264.0	31,200	37.4	273.2	29,100	205
210	27.6	243.7	32,000	31.6	256.1	29,900	35.1	266.1	27,900	210
215	24.5	233.1	30,700	28.9	247.2	28,700	32.7	258.5	26,700	215
220	20.9	220.7	29,400	25.9	237.2	27,500	30.1	250.0	25,500	220
225	16.7	205.4	28,200	22.6	225.7	26,300	27.2	240.6	24,400	225
230	10.8	183.7	27,000	18.7	211.9	25,200	24.1	229.8	23,400	230
235				13.8	193.9	24,100	20.5	217.2	22,400	235
240				4.8	160.6	23,000	16.1	201.4	21,400	240
245							9.9	178.4	20,400	245
250										250
255										255
260										260
265										265
270										270

MLC300 S-2

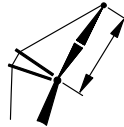
ASME B30.5



397,300 lb

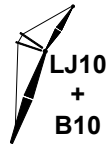


137.8 ft



216.5 ft

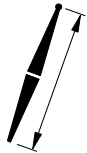
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	62.7	332.2	45,800							145
150	61.1	329.5	43,500							150
155	59.6	326.5	41,300							155
160	58.1	323.4	39,200							160
165	56.5	320.1	37,300							165
170	54.8	316.6	35,500	58.5	320.6	31,300				170
175	53.2	312.9	33,900	57.0	317.3	29,700				175
180	51.5	308.9	32,300	55.3	313.9	28,300				180
185	49.8	304.7	30,800	53.7	310.2	26,900				185
190	48.0	300.2	29,400	52.0	306.3	25,600				190
195	46.2	295.4	28,000	50.3	302.2	24,400				195
200	44.3	290.3	26,800	48.6	297.8	23,200	52.4	302.4	19,600	200
205	42.3	284.9	25,600	46.7	293.1	22,100	50.7	298.3	18,500	205
210	40.3	279.1	24,400	44.9	288.1	21,000	49.0	294.0	17,400	210
215	38.2	272.8	23,300	42.9	282.8	20,000	47.2	289.4	16,400	215
220	35.9	266.0	22,300	40.9	277.1	19,100	45.3	284.5	15,400	220
225	33.6	258.6	21,300	38.8	270.9	18,100	43.4	279.2	14,400	225
230	31.0	250.4	20,300	36.6	264.3	17,300	41.4	273.6	13,500	230
235	28.3	241.4	19,400	34.3	257.1	16,400	39.3	267.6	12,700	235
240	25.3	231.1	18,500	31.8	249.2	15,600	37.2	261.1	11,900	240
245	21.9	219.3	17,600	29.2	240.4	14,700	34.9	254.0	11,100	245
250	17.8	204.9	16,800	26.3	230.6	13,800	32.4	246.3	10,300	250
255	12.5	185.5	15,900	23.0	219.3	13,000	29.8	237.7	9,500	255
260				19.2	205.8	12,200	27.0	228.2	8,800	260
265				14.4	188.4	11,400	23.8	217.3	8,100	265
270				6.6	159.3	10,500	20.1	204.4	7,400	270



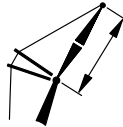
397,300 lb



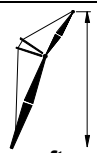
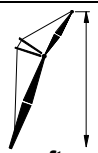
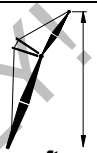
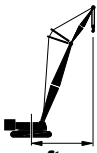
360°



137.8 ft



236.2 ft

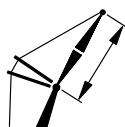
	 86°			 83°			 80°			
										
ft		ft	lb		ft	lb		ft	lb	ft
85	73.9	372.1	82,200							85
90	72.6	370.6	81,600							90
95	71.3	368.9	80,900							95
100	70.1	367.0	80,200	71.9	368.8	79,500				100
105	68.7	365.1	79,500	70.6	367.1	79,000				105
110	67.4	363.0	78,900	69.3	365.2	78,500				110
115	66.1	360.8	78,200	68.0	363.2	74,400				115
120	64.8	358.4	74,000	66.7	361.0	70,100	68.6	362.9	66,100	120
125	63.4	355.9	69,900	65.4	358.7	66,100	67.3	360.8	62,400	125
130	62.0	353.3	66,100	64.0	356.3	62,500	66.0	358.6	58,900	130
135	60.6	350.5	62,600	62.7	353.7	59,200	64.6	356.2	55,700	135
140	59.2	347.5	59,400	61.3	351.0	56,100	63.3	353.7	52,800	140
145	57.8	344.4	56,400	59.9	348.1	53,200	61.9	351.0	50,000	145
150	56.3	341.0	53,700	58.5	345.0	50,600	60.5	348.2	47,500	150
155	54.9	337.5	51,100	57.0	341.7	48,100	59.1	345.2	45,200	155
160	53.4	333.8	48,700	55.5	338.3	45,800	57.6	342.0	43,000	160
165	51.8	329.9	46,500	54.0	334.7	43,700	56.2	338.7	40,900	165
170	50.2	325.7	44,400	52.5	330.9	41,700	54.7	335.1	39,000	170
175	48.6	321.4	42,400	51.0	326.8	39,800	53.2	331.4	37,200	175
180	47.0	316.7	40,500	49.4	322.6	38,000	51.6	327.5	35,500	180
185	45.3	311.8	38,800	47.7	318.0	36,300	50.1	323.3	33,900	185
190	43.5	306.6	37,100	46.0	313.2	34,700	48.4	318.9	32,300	190
195	41.7	301.0	35,500	44.3	308.1	33,200	46.8	314.2	30,900	195
200	39.8	295.1	34,000	42.5	302.7	31,800	45.1	309.2	29,500	200
205	37.9	288.7	32,600	40.7	297.0	30,400	43.3	304.0	28,200	205
210	35.8	281.8	31,300	38.7	290.8	29,100	41.5	298.4	27,000	210
215	33.6	274.4	30,000	36.7	284.2	27,900	39.6	292.4	25,800	215
220	31.3	266.4	28,700	34.6	277.0	26,700	37.6	286.0	24,700	220
225	28.9	257.5	27,600	32.4	269.3	25,600	35.6	279.1	23,600	225
230	26.2	247.6	26,400	30.0	260.8	24,500	33.4	271.6	22,600	230
235	23.2	236.4	25,300	27.4	251.4	23,500	31.1	263.4	21,600	235
240	19.8	223.2	24,300	24.6	240.8	22,500	28.6	254.5	20,700	240
245	15.6	206.9	23,300	21.4	228.6	21,500	25.9	244.5	19,700	245
250	9.8	183.4	22,200	17.6	213.9	20,600	22.8	233.0	18,900	250
255				12.8	194.6	19,600	19.4	219.6	18,000	255
260				3.3	155.8	18,600	15.1	202.8	17,200	260
265							8.9	177.8	16,300	265
270										270
275										275
280										280
285										285



397,300 lb

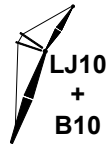


137.8 ft



236.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
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	42,400							150
155	62.4	349.2	40,300							155
160	61.0	346.4	38,200							160
165	59.6	343.5	36,300							165
170	58.2	340.4	34,500							170
175	56.7	337.1	32,900							175
180	55.2	333.6	31,300	58.6	337.5	27,200				180
185	53.7	330.0	29,800	57.2	334.3	25,800				185
190	52.2	326.1	28,400	55.7	330.9	24,600				190
195	50.6	322.0	27,100	54.2	327.3	23,300				195
200	49.0	317.7	25,800	52.7	323.5	22,200				200
205	47.4	313.1	24,600	51.1	319.5	21,100				205
210	45.7	308.3	23,500	49.5	315.2	20,000	53.0	319.6	15,800	210
215	44.0	303.1	22,400	47.9	310.7	19,000	51.5	315.6	14,800	215
220	42.2	297.7	21,400	46.2	306.0	18,000	49.9	311.4	13,900	220
225	40.3	291.8	20,400	44.5	300.9	17,000	48.3	307.0	13,000	225
230	38.4	285.6	19,400	42.7	295.5	16,000	46.6	302.3	12,100	230
235	36.3	278.8	18,500	40.9	289.8	15,100	44.9	297.3	11,200	235
240	34.2	271.6	17,600	39.0	283.7	14,200	43.1	292.0	10,400	240
245	31.9	263.7	16,800	37.0	277.1	13,400	41.3	286.4	9,600	245
250	29.5	255.0	16,000	34.9	270.0	12,500	39.4	280.3	8,900	250
255	26.9	245.4	15,200	32.6	262.4	11,700	37.4	273.9	8,200	255
260	24.0	234.6	14,500	30.3	254.0	10,900	35.4	266.9	7,500	260
265	20.7	222.0	13,700	27.7	244.7	10,200				265
270	16.8	206.7	12,900	24.9	234.3	9,500				270
275	11.6	185.8	12,000	21.8	222.3	8,700				275
280				18.1	207.9	8,000				280
285				13.4	189.4	7,300				285



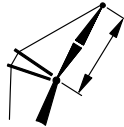
397,300 lb



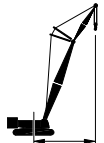
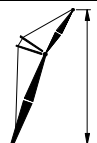
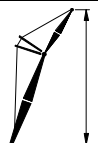
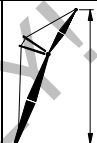
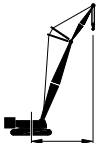
360°



137.8 ft



255.9 ft

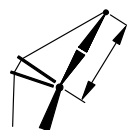
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
90	74.0	391.2	68,700							90
95	72.8	389.6	68,000							95
100	71.6	388.0	67,400							100
105	70.5	386.2	66,700							105
110	69.3	384.3	66,000	71.0	386.2	65,700				110
115	68.1	382.3	65,400	69.8	384.3	65,200				115
120	66.8	380.1	64,700	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	61,400	67.9	380.0	57,700	130
135	63.1	372.9	61,600	64.9	375.8	58,100	66.7	377.9	54,500	135
140	61.8	370.2	58,400	63.7	373.3	55,000	65.5	375.6	51,600	140
145	60.6	367.4	55,400	62.4	370.7	52,100	64.2	373.2	48,900	145
150	59.3	364.5	52,700	61.1	367.9	49,500	63.0	370.6	46,400	150
155	57.9	361.3	50,100	59.8	365.0	47,000	61.7	368.0	44,000	155
160	56.6	358.0	47,700	58.5	361.9	44,800	60.4	365.1	41,800	160
165	55.2	354.6	45,500	57.2	358.7	42,600	59.1	362.1	39,800	165
170	53.8	350.9	43,400	55.8	355.3	40,600	57.8	359.0	37,800	170
175	52.4	347.1	41,400	54.5	351.8	38,700	56.4	355.7	36,000	175
180	51.0	343.1	39,500	53.1	348.0	36,900	55.1	352.2	34,300	180
185	49.5	338.8	37,800	51.6	344.1	35,300	53.7	348.5	32,700	185
190	48.0	334.3	36,100	50.2	339.9	33,700	52.3	344.7	31,200	190
195	46.5	329.6	34,500	48.7	335.6	32,200	50.8	340.6	29,800	195
200	44.9	324.6	33,100	47.2	330.9	30,700	49.4	336.3	28,400	200
205	43.3	319.3	31,600	45.6	326.1	29,400	47.9	331.8	27,100	205
210	41.6	313.7	30,300	44.0	320.9	28,100	46.3	327.1	25,900	210
215	39.9	307.8	29,000	42.4	315.5	26,900	44.7	322.0	24,800	215
220	38.1	301.5	27,800	40.6	309.7	25,700	43.1	316.7	23,600	220
225	36.2	294.7	26,600	38.9	303.6	24,600	41.4	311.1	22,600	225
230	34.2	287.5	25,500	37.0	297.0	23,500	39.7	305.1	21,600	230
235	32.1	279.6	24,400	35.1	290.0	22,500	37.8	298.8	20,600	235
240	29.9	271.1	23,400	33.1	282.4	21,500	36.0	291.9	19,600	240
245	27.5	261.7	22,400	30.9	274.2	20,600	34.0	284.6	18,700	245
250	24.9	251.3	21,500	28.6	265.2	19,700	31.9	276.7	17,900	250
255	22.0	239.4	20,600	26.1	255.3	18,800	29.6	268.1	17,100	255
260	18.7	225.5	19,700	23.4	244.1	18,000	27.2	258.6	16,300	260
265	14.7	208.2	18,800	20.3	231.3	17,100	24.6	248.0	15,500	265
270	8.9	182.9	17,900	16.6	215.7	16,300	21.7	236.0	14,700	270
275				11.9	195.1	15,500	18.3	221.8	14,000	275
280							14.2	203.9	13,300	280
285							8.0	176.8	12,500	285
290										290
295										295



397,300 lb

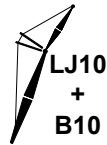


137.8 ft



255.9 ft

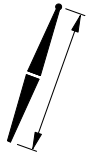
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160	63.4	368.8	37,000				160
165	62.2	366.1	35,100				165
170	60.9	363.4	33,300				170
175	59.6	360.4	31,600				175
180	58.3	357.3	30,100				180
185	56.9	354.1	28,600				185
190	55.6	350.7	27,200	58.7	354.5	23,300	190
195	54.2	347.1	25,900	57.3	351.3	22,000	195
200	52.8	343.3	24,600	56.0	347.9	20,800	200
205	51.4	339.3	23,400	54.6	344.4	19,600	205
210	49.9	335.1	22,300	53.2	340.6	18,400	210
215	48.4	330.7	21,200	51.8	336.7	17,300	215
220	46.9	326.0	20,200	50.4	332.6	16,300	220
225	45.3	321.1	19,200	48.9	328.2	15,300	225
230	43.7	315.9	18,300	47.4	323.7	14,300	230
235	42.0	310.4	17,400	45.8	318.8	13,400	235
240	40.3	304.6	16,500	44.2	313.7	12,500	240
245	38.5	298.3	15,600	42.5	308.3	11,700	245
250	36.7	291.7	14,700	40.8	302.6	10,800	250
255	34.7	284.6	13,800	39.1	296.5	10,100	255
260	32.7	276.9	13,000	37.2	290.0	9,300	260
265	30.5	268.5	12,200	35.3	283.0	8,600	265
270	28.1	259.4	11,400	33.3	275.5	7,900	270
275	25.6	249.3	10,600	31.2	267.3	7,200	275
280	22.8	237.8	9,900				280
285	19.6	224.5	9,200				285
290	15.8	208.2	8,500				290
295	10.7	185.9	7,800				295



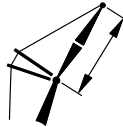
397,300 lb



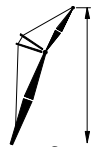
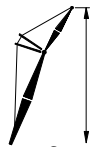
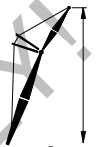
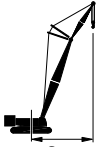
360°



137.8 ft



275.6 ft

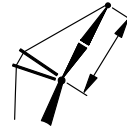
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.1	410.2	56,700							95
100	73.0	408.7	56,000							100
105	71.9	407.1	55,400							105
110	70.8	405.3	54,700							110
115	69.7	403.5	54,100	71.3	405.3	54,100				115
120	68.6	401.5	53,500	70.2	403.5	53,500				120
125	67.5	399.4	52,800	69.1	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	50,700	140
145	62.9	389.9	50,400	64.5	392.8	50,800	66.2	395.0	47,900	145
150	61.7	387.2	49,900	63.4	390.3	48,600	65.1	392.7	45,400	150
155	60.5	384.4	49,300	62.2	387.6	46,200	63.9	390.2	43,100	155
160	59.3	381.4	46,900	61.0	384.9	43,900	62.7	387.6	40,900	160
165	58.0	378.3	44,600	59.8	382.0	41,700	61.5	384.9	38,900	165
170	56.8	375.0	42,500	58.6	378.9	39,700	60.3	382.1	36,900	170
175	55.5	371.6	40,600	57.4	375.7	37,900	59.1	379.1	35,100	175
180	54.3	368.0	38,700	56.1	372.4	36,100	57.9	376.0	33,500	180
185	53.0	364.2	37,000	54.8	368.8	34,400	56.7	372.7	31,900	185
190	51.6	360.3	35,300	53.6	365.2	32,800	55.4	369.2	30,300	190
195	50.3	356.2	33,700	52.2	361.3	31,300	54.1	365.6	28,900	195
200	48.9	351.8	32,300	50.9	357.2	29,900	52.8	361.8	27,600	200
205	47.5	347.3	30,900	49.5	353.0	28,600	51.5	357.9	26,300	205
210	46.1	342.5	29,500	48.1	348.5	27,300	50.1	353.7	25,100	210
215	44.6	337.4	28,200	46.7	343.8	26,100	48.8	349.3	23,900	215
220	43.1	332.1	27,000	45.3	338.9	24,900	47.3	344.7	22,800	220
225	41.5	326.5	25,900	43.8	333.7	23,800	45.9	339.9	21,700	225
230	39.9	320.6	24,800	42.2	328.2	22,700	44.4	334.9	20,700	230
235	38.2	314.3	23,700	40.6	322.5	21,700	42.9	329.5	19,700	235
240	36.5	307.6	22,700	39.0	316.3	20,700	41.3	323.9	18,800	240
245	34.7	300.4	21,700	37.3	309.8	19,800	39.7	317.9	17,900	245
250	32.8	292.8	20,800	35.5	302.9	18,900	38.0	311.6	17,100	250
255	30.8	284.5	19,900	33.6	295.5	18,100	36.3	304.8	16,300	255
260	28.6	275.5	19,000	31.7	287.5	17,200	34.5	297.6	15,500	260
265	26.3	265.7	18,100	29.6	278.9	16,400	32.6	289.9	14,700	265
270	23.8	254.7	17,300	27.4	269.4	15,700	30.5	281.6	13,900	270
275	21.0	242.2	16,500	25.0	259.0	14,900	28.4	272.5	13,000	275
280	17.8	227.6	15,800	22.3	247.2	14,200	26.1	262.5	12,300	280
285	13.9	209.2	15,000	19.3	233.7	13,500	23.5	251.4	11,500	285
290	8.1	181.9	14,200	15.8	217.3	12,800	20.7	238.7	10,700	290
295				11.1	195.3	12,000	17.4	223.8	10,000	295
300							13.3	204.8	9,300	300
305							7.1	175.4	8,500	305



397,300 lb



137.8 ft

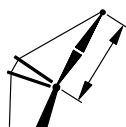


275.6 ft

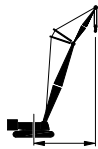
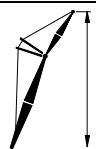
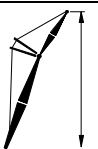
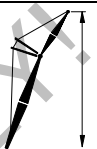
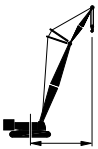
	75°			70°			
ft	ft	ft	lb	ft	ft	lb	ft
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170	63.2	385.8	32,300				170
175	62.0	383.1	30,700				175
180	60.8	380.3	29,100				180
185	59.6	377.4	27,700				185
190	58.4	374.3	26,300				190
195	57.1	371.1	24,900				195
200	55.9	367.7	23,700	58.7	371.4	19,300	200
205	54.6	364.1	22,500	57.5	368.3	18,100	205
210	53.3	360.4	21,400	56.3	364.9	17,000	210
215	52.0	356.5	20,300	55.0	361.4	15,900	215
220	50.6	352.4	19,300	53.7	357.8	14,800	220
225	49.3	348.2	18,200	52.4	353.9	13,800	225
230	47.9	343.6	17,200	51.1	349.9	12,900	230
235	46.4	338.9	16,200	49.7	345.7	12,000	235
240	45.0	333.9	15,200	48.3	341.2	11,100	240
245	43.5	328.7	14,300	46.9	336.6	10,300	245
250	41.9	323.2	13,400	45.4	331.7	9,500	250
255	40.3	317.3	12,500	43.9	326.5	8,700	255
260	38.7	311.1	11,700	42.4	321.1	8,000	260
265	36.9	304.5	10,900	40.8	315.3	7,300	265
270	35.1	297.5	10,200				270
275	33.3	290.0	9,400				275
280	31.3	281.9	8,700				280
285	29.2	273.1	8,000				285
290	26.9	263.5	7,400				290
295							295
300							300
305							305



137.8 ft

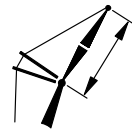


295.3 ft

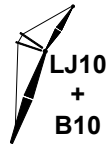
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
100	74.2	429.3	47,400							100
105	73.2	427.8	46,800							105
110	72.1	426.1	46,200							110
115	71.1	424.4	45,600							115
120	70.1	422.6	45,000	71.6	424.4	45,100				120
125	69.0	420.7	44,400	70.5	422.6	44,600				125
130	68.0	418.7	43,800	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	140
145	64.8	411.9	42,200	66.4	414.5	42,500	67.9	416.4	42,200	145
150	63.7	409.5	41,600	65.3	412.2	42,000	66.8	414.3	41,800	150
155	62.6	406.9	41,100	64.2	409.8	41,500	65.8	412.1	41,400	155
160	61.5	404.2	40,600	63.1	407.3	41,000	64.7	409.7	39,700	160
165	60.4	401.3	40,100	62.0	404.6	40,500	63.6	407.2	37,700	165
170	59.3	398.4	39,600	60.9	401.8	38,700	62.5	404.6	35,800	170
175	58.1	395.3	39,100	59.8	398.9	36,800	61.4	401.9	34,000	175
180	57.0	392.0	37,700	58.7	395.9	35,000	60.3	399.0	32,300	180
185	55.8	388.6	35,900	57.5	392.7	33,300	59.2	396.0	30,700	185
190	54.6	385.1	34,300	56.3	389.4	31,700	58.0	392.9	29,200	190
195	53.4	381.4	32,700	55.2	385.9	30,300	56.9	389.7	27,800	195
200	52.2	377.5	31,200	54.0	382.3	28,800	55.7	386.3	26,400	200
205	50.9	373.5	29,800	52.7	378.5	27,500	54.5	382.7	25,200	205
210	49.7	369.2	28,500	51.5	374.5	26,200	53.3	379.0	23,900	210
215	48.4	364.8	27,200	50.2	370.4	25,000	52.1	375.1	22,800	215
220	47.1	360.2	26,000	49.0	366.0	23,800	50.8	371.0	21,700	220
225	45.7	355.3	24,900	47.7	361.5	22,700	49.5	366.8	20,600	225
230	44.3	350.2	23,800	46.3	356.7	21,700	48.2	362.3	19,600	230
235	42.9	344.9	22,700	44.9	351.7	20,700	46.9	357.7	18,700	235
240	41.4	339.2	21,700	43.5	346.5	19,700	45.5	352.8	17,700	240
245	39.9	333.3	20,700	42.1	341.0	18,800	44.2	347.6	16,800	245
250	38.4	327.0	19,800	40.6	335.2	17,900	42.7	342.3	15,800	250
255	36.8	320.4	18,900	39.1	329.1	17,000	41.3	336.6	14,900	255
260	35.1	313.4	18,000	37.5	322.6	16,200	39.8	330.6	14,000	260
265	33.3	305.9	17,200	35.8	315.8	15,400	38.2	324.3	13,200	265
270	31.5	297.8	16,400	34.1	308.5	14,600	36.6	317.7	12,300	270
275	29.6	289.2	15,600	32.3	300.7	13,800	34.9	310.6	11,500	275
280	27.5	279.7	14,900	30.4	292.3	13,000	33.1	303.0	10,800	280
285	25.3	269.4	14,200	28.4	283.3	12,200	31.3	294.9	10,000	285
290	22.8	257.9	13,500	26.3	273.4	11,400	29.3	286.2	9,300	290
295	20.1	244.8	12,800	24.0	262.4	10,700	27.2	276.7	8,600	295
300	17.0	229.4	12,000	21.4	250.1	9,900	25.0	266.2	7,900	300
305	13.1	210.1	11,200	18.4	235.9	9,200	22.5	254.6	7,200	305
310	7.3	180.6	10,500	15.0	218.6	8,500				310
315				10.3	195.3	7,800				315



397,300 lb



	75°		
	ft	ft	lb
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175	64.0	405.3	29,400
180	62.9	402.8	27,900
185	61.8	400.1	26,400
190	60.7	397.3	25,000
195	59.6	394.3	23,700
200	58.4	391.3	22,400
205	57.3	388.1	21,100
210	56.1	384.7	19,900
215	54.9	381.2	18,700
220	53.7	377.5	17,600
225	52.5	373.7	16,500
230	51.3	369.7	15,500
235	50.0	365.5	14,500
240	48.7	361.2	13,500
245	47.4	356.6	12,600
250	46.0	351.8	11,700
255	44.7	346.7	10,900
260	43.3	341.5	10,100
265	41.8	335.9	9,300
270	40.3	330.1	8,600
275	38.8	323.9	7,800
280	37.2	317.3	7,100
285			
290			
295			
300			
305			
310			
315			



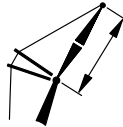
397,300 lb



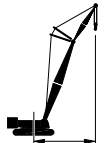
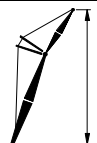
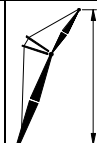
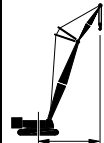
360°



137.8 ft

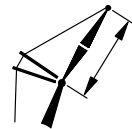
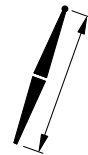


315.0 ft

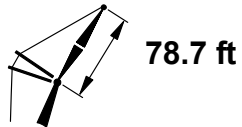
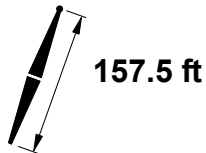
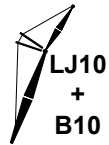
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
105	74.2	448.3	39,600							105
110	73.3	446.8	39,000							110
115	72.3	445.2	38,400							115
120	71.4	443.5	37,800							120
125	70.4	441.7	37,300	71.8	443.5	37,500				125
130	69.4	439.9	36,700	70.8	441.8	37,000				130
135	68.5	437.9	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	63.3	424.2	32,700	175
180	59.3	415.3	31,700	60.8	418.8	32,100	62.3	421.6	31,300	180
185	58.2	412.2	31,300	59.8	415.9	31,700	61.3	418.8	29,700	185
190	57.1	409.0	30,900	58.7	412.8	30,800	60.2	416.0	28,200	190
195	56.0	405.6	30,500	57.6	409.7	29,300	59.2	413.0	26,800	195
200	54.9	402.1	30,100	56.5	406.4	27,900	58.1	409.9	25,500	200
205	53.8	398.5	28,900	55.4	402.9	26,500	57.0	406.7	24,200	205
210	52.7	394.7	27,600	54.3	399.3	25,300	55.9	403.3	23,000	210
215	51.5	390.7	26,300	53.2	395.6	24,100	54.8	399.8	21,800	215
220	50.3	386.6	25,100	52.0	391.7	22,900	53.7	396.1	20,700	220
225	49.1	382.3	23,900	50.9	387.7	21,800	52.5	392.3	19,600	225
230	47.9	377.8	22,800	49.7	383.4	20,700	51.4	388.3	18,500	230
235	46.7	373.1	21,800	48.5	379.0	19,700	50.2	384.1	17,400	235
240	45.4	368.1	20,800	47.2	374.4	18,800	49.0	379.8	16,400	240
245	44.1	363.0	19,800	46.0	369.6	17,900	47.8	375.3	15,400	245
250	42.7	357.6	18,900	44.7	364.5	16,900	46.5	370.5	14,400	250
255	41.4	352.0	18,000	43.3	359.3	16,000	45.2	365.6	13,500	255
260	40.0	346.1	17,100	42.0	353.8	15,000	43.9	360.4	12,600	260
265	38.5	339.8	16,300	40.6	348.0	14,100	42.6	355.0	11,800	265
270	37.0	333.2	15,500	39.2	341.9	13,300	41.2	349.4	11,000	270
275	35.4	326.3	14,700	37.7	335.4	12,400	39.8	343.4	10,200	275
280	33.8	318.9	13,900	36.1	328.7	11,600	38.3	337.1	9,400	280
285	32.1	311.0	13,100	34.6	321.5	10,900	36.8	330.5	8,700	285
290	30.3	302.6	12,300	32.9	313.8	10,100	35.3	323.5	8,000	290
295	28.5	293.6	11,500	31.2	305.7	9,400	33.6	316.1	7,300	295
300	26.5	283.7	10,800	29.3	296.9	8,700				300
305	24.3	272.9	10,100	27.4	287.4	8,000				305
310	21.9	260.9	9,300	25.3	277.1	7,300				310



397,300 lb



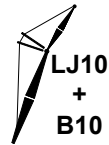
	75°		
	ft	ft	lb
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180			
185	63.7	422.3	25,200
190	62.7	419.7	23,700
195	61.7	417.0	22,200
200	60.6	414.2	20,900
205	59.6	411.3	19,600
210	58.5	408.2	18,300
215	57.4	405.0	17,200
220	56.3	401.7	16,100
225	55.2	398.3	15,000
230	54.1	394.6	14,000
235	53.0	390.9	13,000
240	51.8	386.9	12,000
245	50.6	382.9	11,100
250	49.4	378.6	10,300
255	48.2	374.1	9,400
260	47.0	369.5	8,600
265	45.7	364.6	7,900
270	44.4	359.5	7,100
275			
280			
285			
290			
295			
300			
305			
310			



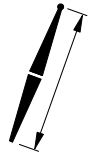
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	ft	
45	72.1	239.7	278,800 c							45
50	68.2	237.7	249,800 c							50
55	64.1	235.2	219,600 b	70.8	238.1	209,800 c				55
60	59.9	232.3	195,700	66.8	236.0	186,900 b				60
65	55.5	228.9	176,200	62.7	233.4	168,300 b				65
70	50.9	224.9	160,000	58.4	230.3	152,800	65.4	233.8	145,600 b	70
75	45.8	220.1	146,300	54.0	226.7	139,700	61.2	231.0	133,100 b	75
80	40.3	214.4	134,500	49.2	222.4	128,500	56.9	227.8	122,500	80
85	34.0	207.3	124,300	44.0	217.4	118,800	52.3	223.9	113,200	85
90	26.2	197.9	115,400	38.2	211.2	110,300	47.4	219.4	105,100	90
95	14.7	182.9	107,200	31.5	203.4	102,700	42.0	214.0	97,900	95
100				23.0	192.8	95,900	36.0	207.3	91,500	100
105				6.0	170.2	89,500	28.7	198.8	85,800	105
110							18.9	186.3	80,400	110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

MLC300 S-2

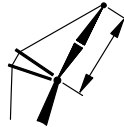
ASME B30.5



397,300 lb

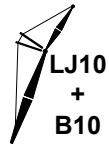


157.5 ft



78.7 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	59.9	226.9	96,400 b							90
95	55.5	223.5	89,800							95
100	50.9	219.5	84,000							100
105	45.8	214.7	78,700	58.3	221.4	71,600				105
110	40.3	209.0	74,000	53.9	217.8	67,200				110
115	34.0	201.8	69,600	49.1	213.5	63,300				115
120	26.2	192.4	65,600	43.9	208.4	59,700				120
125	14.7	177.4	61,800	38.1	202.2	56,400	51.7	210.5	50,800	125
130				31.3	194.4	53,300	46.8	205.8	48,000	130
135				22.7	183.7	50,400	41.4	200.3	45,500	135
140				4.7	159.4	47,400	35.2	193.5	43,100	140
145							27.8	184.6	40,800	145
150							17.4	171.3	38,600	150



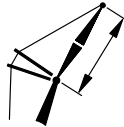
397,300 lb



360°



157.5 ft

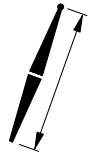


98.4 ft

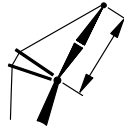
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50	72.7	258.8	245,100 c							50
55	69.6	256.9	218,900 b							55
60	66.5	254.7	195,000	71.7	257.2	186,000 b				60
65	63.2	252.2	175,600	68.6	255.3	167,400 b				65
70	59.8	249.3	159,400	65.4	253.0	151,900				70
75	56.4	246.0	145,800	62.1	250.3	138,900	67.4	253.2	132,100 b	75
80	52.7	242.2	134,100	58.7	247.3	127,800	64.2	250.7	121,400	80
85	48.9	237.9	124,000	55.1	243.8	118,100	60.9	248.0	112,300	85
90	44.8	232.9	115,200	51.4	239.9	109,700	57.4	244.8	104,200	90
95	40.3	227.1	107,400	47.5	235.3	102,300	53.8	241.1	97,100	95
100	35.4	220.3	100,500	43.3	230.1	95,700	50.0	237.0	90,800	100
105	29.7	211.9	94,200	38.7	224.0	89,700	46.0	232.2	85,200	105
110	22.7	201.0	88,500	33.5	216.7	84,400	41.7	226.7	80,100	110
115	11.9	183.2	83,200	27.5	207.7	79,500	36.9	220.2	75,500	115
120				19.7	195.3	75,000	31.5	212.4	71,300	120
125							25.0	202.4	67,400	125
130							16.0	187.8	63,700	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170



397,300 lb

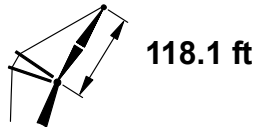
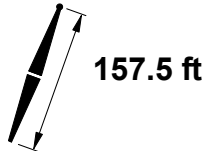
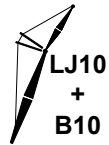


157.5 ft



98.4 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	63.2	246.8	88,600							95
100	59.8	243.9	82,800							100
105	56.3	240.6	77,700							105
110	52.7	236.8	73,000							110
115	48.8	232.4	68,800	58.6	238.4	62,100				115
120	44.7	227.5	64,900	55.0	234.9	58,600				120
125	40.3	221.7	61,400	51.3	230.9	55,300				125
130	35.4	214.9	58,100	47.4	226.4	52,400				130
135	29.7	206.5	55,100	43.2	221.1	49,600	53.4	227.7	44,200	135
140	22.7	195.6	52,200	38.6	215.0	47,100	49.6	223.5	42,000	140
145	11.9	177.8	49,500	33.4	207.7	44,700	45.5	218.6	39,800	145
150				27.4	198.6	42,500	41.1	213.0	37,800	150
155				19.5	186.1	40,300	36.3	206.4	35,900	155
160							30.8	198.4	34,200	160
165							24.1	188.1	32,400	165
170							14.6	172.4	30,700	170



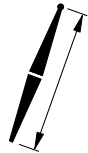
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.2	277.8	217,000							55
60	70.6	276.1	194,400							60
65	68.0	274.0	175,000							65
70	65.3	271.7	158,900	69.7	274.5	151,200				70
75	62.6	269.1	145,300	67.1	272.4	138,200				75
80	59.8	266.2	133,600	64.4	270.0	127,100	68.8	272.4	120,600	80
85	56.9	263.0	123,600	61.6	267.3	117,500	66.1	270.2	111,500	85
90	53.9	259.4	114,800	58.8	264.3	109,100	63.4	267.7	103,500	90
95	50.8	255.3	107,100	55.9	260.9	101,700	60.6	264.9	96,400	95
100	47.5	250.8	100,200	52.8	257.1	95,200	57.8	261.8	90,200	100
105	44.0	245.7	94,000	49.7	252.9	89,300	54.8	258.2	84,600	105
110	40.3	239.9	88,500	46.3	248.2	84,000	51.7	254.3	79,600	110
115	36.3	233.2	83,400	42.8	242.8	79,200	48.5	249.9	75,000	115
120	31.8	225.4	78,800	39.0	236.8	74,800	45.1	245.0	70,800	120
125	26.6	216.0	74,600	34.8	229.8	70,800	41.5	239.4	67,000	125
130	20.1	203.6	70,700	30.1	221.5	67,200	37.5	233.1	63,500	130
135	9.8	182.9	66,900	24.6	211.2	63,700	33.2	225.7	60,300	135
140				17.3	197.1	60,500	28.2	216.8	57,300	140
145							22.2	205.5	54,500	145
150							13.8	188.7	51,800	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC300 S-2

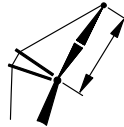
ASME B30.5



397,300 lb

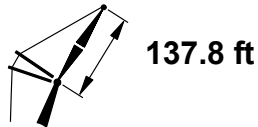
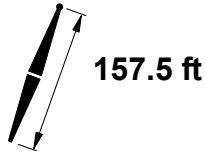
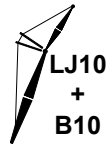


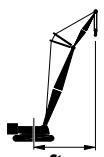
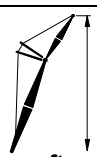
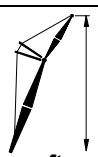
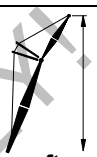
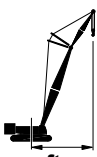
157.5 ft

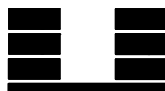


118.1 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
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	76,800							105
110	59.8	260.8	72,200							110
115	56.9	257.6	68,000							115
120	53.9	253.9	64,200							120
125	50.8	249.9	60,700	58.7	255.3	54,400				125
130	47.5	245.3	57,500	55.8	251.9	51,500				130
135	44.0	240.2	54,600	52.8	248.2	48,800				135
140	40.3	234.4	51,800	49.6	243.9	46,400				140
145	36.3	227.8	49,300	46.2	239.2	44,000				145
150	31.8	220.0	46,900	42.7	233.9	41,900	51.3	240.9	37,000	150
155	26.6	210.5	44,700	38.9	227.8	39,900	48.1	236.4	35,100	155
160	20.1	198.1	42,500	34.7	220.8	38,000	44.7	231.4	33,400	160
165	9.7	177.4	40,400	30.0	212.4	36,200	41.0	225.8	31,800	165
170				24.4	202.1	34,500	37.0	219.3	30,300	170
175				17.1	187.9	32,800	32.6	211.7	28,900	175
180							27.6	202.6	27,500	180
185							21.4	190.9	26,200	185
190							12.4	173.0	24,800	190



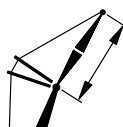
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	73.5	296.9	187,500							60
65	71.3	295.2	174,100							65
70	69.1	293.3	158,000							70
75	66.8	291.1	144,400	70.5	293.7	137,100				75
80	64.5	288.8	132,800	68.3	291.7	126,100				80
85	62.1	286.1	122,700	66.0	289.4	116,500				85
90	59.7	283.2	113,900	63.7	287.0	108,100	67.5	289.6	102,300	90
95	57.3	280.0	106,200	61.3	284.2	100,700	65.2	287.2	95,300	95
100	54.7	276.5	99,400	58.9	281.2	94,200	62.8	284.7	89,100	100
105	52.1	272.6	93,200	56.4	277.9	88,300	60.5	281.9	83,500	105
110	49.4	268.3	87,700	53.8	274.3	83,100	58.0	278.7	78,500	110
115	46.5	263.6	82,700	51.2	270.3	78,300	55.5	275.3	73,900	115
120	43.5	258.4	78,200	48.4	265.9	74,000	52.9	271.5	69,800	120
125	40.3	252.6	74,000	45.5	261.0	70,000	50.2	267.4	66,100	125
130	36.9	246.1	70,200	42.4	255.6	66,400	47.4	262.8	62,600	130
135	33.2	238.6	66,700	39.2	249.6	63,000	44.4	257.8	59,400	135
140	29.0	230.0	63,400	35.7	242.7	59,900	41.3	252.2	56,500	140
145	24.2	219.4	60,300	31.8	234.9	57,100	38.0	245.9	53,700	145
150	18.1	205.7	57,500	27.4	225.7	54,400	34.3	238.7	51,200	150
155	7.9	181.7	54,600	22.2	214.3	51,800	30.3	230.5	48,800	155
160				15.4	198.6	49,400	25.7	220.6	46,600	160
165							20.1	208.0	44,400	165
170							12.0	189.2	42,300	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210



397,300 lb

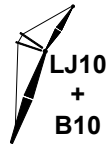


157.5 ft



137.8 ft

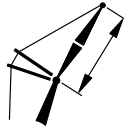
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.1	280.7	66,700							115
120	59.7	277.8	62,900							120
125	57.3	274.6	59,500							125
130	54.7	271.0	56,300							130
135	52.1	267.2	53,400	58.8	272.3	47,500				135
140	49.4	262.9	50,700	56.3	269.0	45,100				140
145	46.5	258.2	48,200	53.8	265.3	42,800				145
150	43.5	253.0	45,900	51.1	261.3	40,700				150
155	40.3	247.2	43,700	48.3	256.9	38,700				155
160	36.9	240.7	41,700	45.4	252.0	36,800	52.6	258.1	32,100	160
165	33.2	233.2	39,800	42.4	246.6	35,100	49.9	253.9	30,500	165
170	29.0	224.5	38,000	39.1	240.6	33,500	47.0	249.3	29,100	170
175	24.2	214.0	36,200	35.6	233.7	31,900	44.1	244.2	27,700	175
180	18.1	200.2	34,600	31.7	225.9	30,500	40.9	238.5	26,400	180
185	7.9	176.3	32,900	27.3	216.6	29,100	37.5	232.1	25,100	185
190				22.1	205.1	27,700	33.9	224.9	23,900	190
195				15.2	189.3	26,400	29.8	216.4	22,800	195
200							25.1	206.3	21,700	200
205							19.3	193.3	20,600	205
210							10.6	172.9	19,500	210



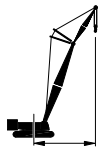
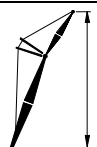
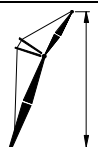
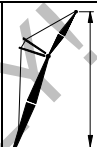
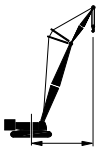
397,300 lb

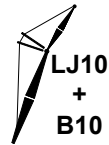


157.5 ft

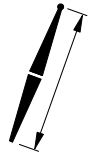


157.5 ft

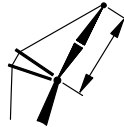
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.7	316.0	154,700							65
70	71.8	314.3	148,900							70
75	69.9	312.5	143,200							75
80	67.9	310.4	131,700	71.1	312.8	124,800				80
85	65.9	308.2	121,600	69.2	310.9	115,200				85
90	63.9	305.7	112,800	67.2	308.8	106,900				90
95	61.8	303.1	105,100	65.2	306.5	99,500	68.5	308.8	93,900	95
100	59.7	300.1	98,300	63.2	303.9	93,000	66.5	306.6	87,700	100
105	57.5	297.0	92,100	61.1	301.2	87,100	64.5	304.3	82,200	105
110	55.3	293.5	86,600	59.0	298.2	81,900	62.4	301.6	77,200	110
115	53.1	289.8	81,600	56.8	294.9	77,100	60.3	298.8	72,600	115
120	50.7	285.7	77,100	54.6	291.4	72,800	58.2	295.7	68,500	120
125	48.3	281.3	73,000	52.3	287.5	68,900	56.0	292.3	64,800	125
130	45.8	276.5	69,200	49.9	283.3	65,300	53.8	288.7	61,400	130
135	43.1	271.2	65,700	47.4	278.8	61,900	51.4	284.7	58,200	135
140	40.3	265.4	62,400	44.9	273.8	58,900	49.0	280.4	55,300	140
145	37.4	258.9	59,400	42.2	268.3	56,000	46.5	275.7	52,600	145
150	34.2	251.7	56,700	39.3	262.3	53,400	43.9	270.6	50,000	150
155	30.7	243.5	54,000	36.3	255.6	50,900	41.2	264.9	47,700	155
160	26.8	234.0	51,600	33.0	248.1	48,600	38.3	258.7	45,500	160
165	22.2	222.5	49,300	29.4	239.5	46,400	35.1	251.7	43,400	165
170	16.4	207.3	47,100	25.3	229.4	44,300	31.8	243.8	41,500	170
175	6.2	179.7	44,900	20.4	216.9	42,300	28.0	234.8	39,600	175
180				13.8	199.5	40,400	23.6	223.9	37,900	180
185							18.3	210.2	36,200	185
190							10.4	189.1	34,500	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230



397,300 lb

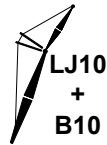


157.5 ft



157.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
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	61,500							120
125	61.8	297.6	58,100							125
130	59.7	294.7	54,900							130
135	57.5	291.6	52,000							135
140	55.3	288.1	49,400							140
145	53.1	284.4	46,900	58.9	289.3	41,300				145
150	50.7	280.3	44,600	56.7	286.0	39,200				150
155	48.3	275.9	42,400	54.5	282.4	37,200				155
160	45.8	271.0	40,400	52.2	278.6	35,400				160
165	43.1	265.8	38,500	49.8	274.4	33,700				165
170	40.3	259.9	36,800	47.4	269.8	32,100	53.5	275.3	27,600	170
175	37.4	253.5	35,100	44.8	264.8	30,600	51.2	271.3	26,200	175
180	34.2	246.3	33,500	42.1	259.4	29,200	48.7	266.9	24,900	180
185	30.7	238.1	32,000	39.3	253.3	27,800	46.2	262.2	23,700	185
190	26.8	228.6	30,600	36.2	246.6	26,500	43.6	257.0	22,500	190
195	22.2	217.0	29,200	32.9	239.1	25,300	40.8	251.2	21,400	195
200	16.4	201.9	27,900	29.3	230.5	24,100	37.9	244.9	20,400	200
205	6.1	174.2	26,500	25.2	220.3	23,000	34.8	237.9	19,400	205
210				20.3	207.7	21,900	31.3	229.9	18,400	210
215				13.6	190.2	20,800	27.5	220.6	17,500	215
220							23.1	209.6	16,600	220
225							17.6	195.3	15,600	225
230							9.0	172.4	14,500	230



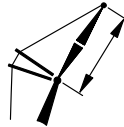
397,300 lb



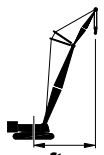
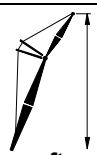
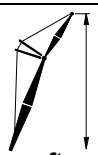
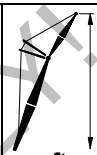
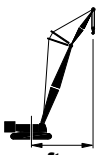
360°



157.5 ft



177.2 ft

	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
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	120,600	71.6	331.9	114,100				85
90	67.0	327.6	111,900	69.9	330.1	105,700				90
95	65.2	325.2	104,100	68.1	328.1	98,400				95
100	63.4	322.7	97,300	66.4	325.9	91,900				100
105	61.5	320.0	91,200	64.6	323.5	86,000	67.5	326.0	80,900	105
110	59.7	317.1	85,700	62.8	320.9	80,800	65.7	323.7	76,000	110
115	57.8	314.0	80,700	60.9	318.1	76,100	63.9	321.3	71,500	115
120	55.8	310.6	76,200	59.0	315.1	71,800	62.1	318.6	67,400	120
125	53.8	306.9	72,000	57.1	311.9	67,800	60.2	315.8	63,600	125
130	51.8	303.0	68,200	55.1	308.4	64,200	58.3	312.7	60,200	130
135	49.6	298.8	64,800	53.1	304.7	60,900	56.4	309.4	57,100	135
140	47.5	294.2	61,600	51.0	300.7	57,900	54.4	305.8	54,200	140
145	45.2	289.3	58,600	48.9	296.3	55,000	52.4	302.0	51,500	145
150	42.8	283.9	55,800	46.7	291.7	52,400	50.3	297.8	49,000	150
155	40.3	278.1	53,200	44.4	286.6	49,900	48.1	293.4	46,600	155
160	37.7	271.7	50,800	42.0	281.1	47,600	45.9	288.6	44,500	160
165	34.9	264.7	48,500	39.4	275.1	45,500	43.5	283.3	42,400	165
170	31.9	256.9	46,400	36.8	268.5	43,500	41.1	277.7	40,500	170
175	28.6	248.0	44,400	33.9	261.2	41,600	38.5	271.5	38,700	175
180	24.9	237.7	42,500	30.8	253.0	39,800	35.8	264.6	37,000	180
185	20.6	225.2	40,700	27.4	243.7	38,000	32.8	257.1	35,400	185
190	15.0	208.7	38,900	23.5	232.7	36,400	29.6	248.5	33,900	190
195	4.3	176.1	37,100	18.8	219.2	34,900	26.1	238.7	32,400	195
200				12.5	200.2	33,300	21.9	226.9	31,000	200
205							16.8	212.0	29,600	205
210							9.1	188.6	28,300	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-2

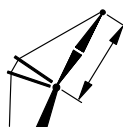
ASME B30.5



397,300 lb

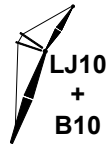


157.5 ft



177.2 ft

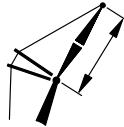
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.4	317.3	53,600							130
135	61.5	314.6	50,700							135
140	59.7	311.7	48,100							140
145	57.8	308.5	45,600							145
150	55.8	305.1	43,300							150
155	53.8	301.5	41,200	59.0	306.2	35,900				155
160	51.8	297.6	39,200	57.1	303.0	34,100				160
165	49.6	293.3	37,400	55.1	299.5	32,400				165
170	47.4	288.8	35,600	53.1	295.8	30,800				170
175	45.2	283.9	34,000	51.0	291.7	29,300				175
180	42.8	278.5	32,400	48.8	287.4	27,900				180
185	40.3	272.7	31,000	46.6	282.7	26,600	52.1	288.5	22,300	185
190	37.7	266.3	29,600	44.3	277.6	25,300	50.0	284.3	21,200	190
195	34.9	259.3	28,200	41.9	272.1	24,100	47.9	279.8	20,000	195
200	31.9	251.4	27,000	39.4	266.1	23,000	45.6	275.0	18,900	200
205	28.6	242.5	25,800	36.7	259.5	21,900	43.3	269.7	17,800	205
210	24.9	232.2	24,600	33.8	252.2	20,900	40.8	264.0	16,800	210
215	20.5	219.7	23,500	30.7	244.0	19,900	38.2	257.7	15,800	215
220	15.0	203.2	22,400	27.3	234.6	18,900	35.4	250.8	14,900	220
225	4.3	170.6	21,200	23.4	223.6	18,000	32.5	243.1	14,000	225
230				18.7	210.0	17,100	29.2	234.5	13,100	230
235				12.3	190.8	16,200	25.6	224.4	12,300	235
240							21.4	212.4	11,400	240
245							16.1	196.9	10,600	245
250							7.7	171.2	9,700	250



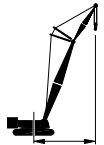
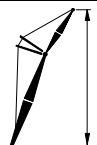
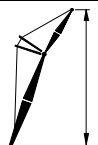
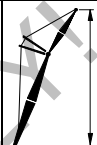
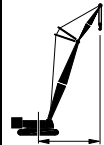
397,300 lb



157.5 ft



196.9 ft

	 86°			 83°			 80°			
 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	104,900				90
95	67.8	346.8	103,400	70.4	349.2	97,600				95
100	66.2	344.6	96,600	68.9	347.3	91,000				100
105	64.6	342.3	90,400	67.3	345.2	85,200				105
110	63.0	339.7	84,900	65.7	342.9	80,000	68.3	345.2	75,100	110
115	61.3	337.0	80,000	64.1	340.5	75,300	66.7	343.1	70,600	115
120	59.7	334.1	75,500	62.4	337.9	71,000	65.1	340.7	66,500	120
125	57.9	330.9	71,300	60.8	335.1	67,000	63.5	338.3	62,800	125
130	56.2	327.6	67,600	59.1	332.1	63,500	61.8	335.6	59,400	130
135	54.4	324.0	64,100	57.3	328.9	60,200	60.2	332.7	56,200	135
140	52.6	320.2	60,900	55.6	325.5	57,100	58.5	329.6	53,300	140
145	50.7	316.1	57,900	53.8	321.8	54,300	56.7	326.4	50,700	145
150	48.8	311.8	55,200	51.9	317.9	51,700	54.9	322.9	48,200	150
155	46.8	307.1	52,600	50.0	313.8	49,200	53.1	319.1	45,900	155
160	44.7	302.1	50,200	48.1	309.3	46,900	51.3	315.1	43,700	160
165	42.6	296.7	47,900	46.1	304.5	44,800	49.3	310.9	41,700	165
170	40.3	290.9	45,800	44.0	299.4	42,800	47.4	306.3	39,800	170
175	38.0	284.5	43,800	41.8	293.8	40,900	45.3	301.4	38,000	175
180	35.5	277.6	42,000	39.5	287.8	39,100	43.2	296.1	36,300	180
185	32.9	270.1	40,200	37.2	281.3	37,400	41.0	290.4	34,700	185
190	30.0	261.6	38,500	34.6	274.2	35,900	38.7	284.2	33,200	190
195	26.9	252.0	36,900	31.9	266.3	34,300	36.3	277.5	31,800	195
200	23.3	241.0	35,400	29.0	257.5	32,900	33.7	270.2	30,400	200
205	19.2	227.5	33,900	25.7	247.5	31,500	30.9	262.0	29,100	205
210	13.8	209.7	32,500	22.0	235.7	30,200	27.8	252.8	27,900	210
215				17.5	221.2	28,900	24.4	242.2	26,700	215
220				11.3	200.4	27,700	20.5	229.6	25,500	220
225							15.6	213.5	24,400	225
230							7.9	187.5	23,300	230
235										235
240										240
245										245
250										250
255										255
260										260



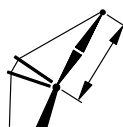
397,300 lb



360°

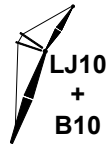


157.5 ft



196.9 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
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	47,100							140
145	61.3	331.6	44,700							145
150	59.7	328.6	42,400							150
155	57.9	325.5	40,300							155
160	56.2	322.2	38,300							160
165	54.4	318.6	36,500							165
170	52.6	314.8	34,800	57.3	320.0	29,900				170
175	50.7	310.7	33,100	55.5	316.6	28,400				175
180	48.8	306.3	31,600	53.7	312.9	27,000				180
185	46.8	301.7	30,100	51.9	309.0	25,700				185
190	44.7	296.7	28,800	50.0	304.8	24,400				190
195	42.6	291.3	27,500	48.0	300.3	23,300	52.9	305.7	18,600	195
200	40.3	285.4	26,200	46.0	295.5	22,100	51.0	301.7	17,500	200
205	38.0	279.1	25,100	43.9	290.4	21,100	49.1	297.4	16,500	205
210	35.5	272.2	23,900	41.8	284.9	20,100	47.1	292.7	15,500	210
215	32.9	264.6	22,900	39.5	278.9	19,100	45.1	287.8	14,500	215
220	30.0	256.2	21,800	37.1	272.3	18,200	43.0	282.5	13,600	220
225	26.9	246.6	20,900	34.6	265.2	17,300	40.8	276.7	12,700	225
230	23.3	235.5	19,900	31.8	257.3	16,300	38.4	270.5	11,900	230
235	19.1	222.1	19,000	28.9	248.5	15,400	36.0	263.7	11,100	235
240	13.7	204.2	18,100	25.6	238.4	14,500	33.4	256.3	10,300	240
245				21.9	226.6	13,700	30.5	248.0	9,500	245
250				17.4	211.9	12,800	27.5	238.7	8,800	250
255				11.1	191.0	12,000	24.0	227.9	8,100	255
260							20.0	215.0	7,400	260



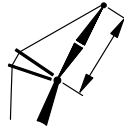
397,300 lb



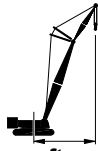
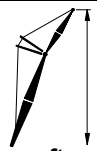
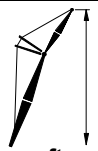
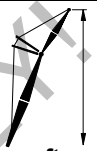
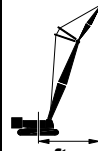
360°



157.5 ft



216.5 ft

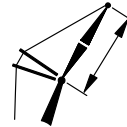
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
80	74.1	373.1	92,600							80
85	72.8	371.6	92,000							85
90	71.4	369.9	91,500							90
95	70.0	368.0	90,900							95
100	68.5	366.1	90,300	70.9	368.4	89,600				100
105	67.1	364.0	89,400	69.5	366.5	84,100				105
110	65.6	361.7	83,900	68.0	364.5	78,900				110
115	64.2	359.3	79,000	66.6	362.3	74,100	69.0	364.4	69,300	115
120	62.7	356.7	74,400	65.1	360.0	69,900	67.5	362.4	65,300	120
125	61.2	353.9	70,300	63.7	357.5	65,900	66.1	360.1	61,600	125
130	59.6	351.0	66,600	62.2	354.9	62,400	64.6	357.8	58,200	130
135	58.1	347.9	63,100	60.6	352.0	59,100	63.1	355.2	55,100	135
140	56.5	344.6	59,900	59.1	349.1	56,000	61.6	352.5	52,200	140
145	54.9	341.1	56,900	57.5	345.9	53,200	60.1	349.7	49,500	145
150	53.2	337.4	54,200	55.9	342.5	50,600	58.5	346.6	47,000	150
155	51.5	333.4	51,600	54.3	338.9	48,200	57.0	343.4	44,700	155
160	49.8	329.2	49,200	52.7	335.1	45,900	55.4	339.9	42,600	160
165	48.0	324.7	47,000	51.0	331.1	43,800	53.7	336.3	40,500	165
170	46.2	320.0	44,900	49.2	326.8	41,800	52.1	332.4	38,600	170
175	44.3	314.9	42,900	47.4	322.2	39,900	50.3	328.2	36,900	175
180	42.4	309.4	41,000	45.6	317.3	38,100	48.6	323.9	35,200	180
185	40.3	303.6	39,300	43.7	312.1	36,400	46.8	319.2	33,600	185
190	38.2	297.3	37,600	41.7	306.6	34,900	44.9	314.2	32,100	190
195	36.0	290.5	36,000	39.6	300.6	33,400	43.0	308.9	30,700	195
200	33.6	283.1	34,500	37.5	294.1	32,000	41.0	303.2	29,400	200
205	31.1	275.0	33,100	35.2	287.2	30,600	38.9	297.0	28,100	205
210	28.4	266.0	31,800	32.8	279.5	29,300	36.7	290.4	26,900	210
215	25.4	255.8	30,500	30.2	271.1	28,100	34.3	283.2	25,700	215
220	22.0	244.0	29,200	27.4	261.7	26,900	31.9	275.3	24,600	220
225	17.9	229.6	28,000	24.2	251.0	25,800	29.2	266.6	23,500	225
230	12.7	210.4	26,800	20.7	238.5	24,700	26.3	256.7	22,500	230
235				16.3	222.8	23,600	23.0	245.5	21,500	235
240				10.2	200.3	22,600	19.2	232.0	20,600	240
245							14.5	214.7	19,600	245
250							6.7	185.8	18,600	250
255										255
260										260
265										265
270										270
275										275



397,300 lb

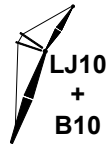


157.5 ft

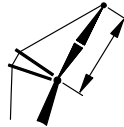
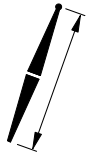


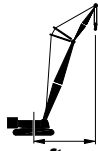
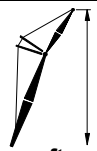
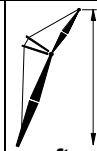
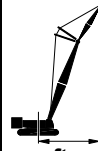
216.5 ft

	75°			70°			
ft	ft	ft	lb	ft	ft	lb	ft
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	41,100				150
155	61.2	348.5	39,000				155
160	59.6	345.6	37,100				160
165	58.1	342.5	35,200				165
170	56.5	339.2	33,500				170
175	54.9	335.7	31,900				175
180	53.2	331.9	30,400	57.5	337.0	25,700	180
185	51.5	328.0	28,900	55.9	333.6	24,400	185
190	49.8	323.8	27,600	54.3	330.0	23,100	190
195	48.0	319.3	26,300	52.6	326.2	22,000	195
200	46.2	314.5	25,100	50.9	322.1	20,800	200
205	44.3	309.5	23,900	49.2	317.8	19,700	205
210	42.4	304.0	22,800	47.4	313.3	18,600	210
215	40.3	298.2	21,800	45.5	308.4	17,500	215
220	38.2	291.9	20,700	43.6	303.2	16,500	220
225	36.0	285.1	19,800	41.6	297.6	15,600	225
230	33.6	277.7	18,900	39.6	291.6	14,600	230
235	31.1	269.6	18,000	37.4	285.1	13,700	235
240	28.4	260.6	17,100	35.1	278.1	12,900	240
245	25.4	250.4	16,300	32.7	270.5	12,100	245
250	22.0	238.5	15,500	30.1	262.1	11,300	250
255	17.9	224.2	14,700	27.3	252.7	10,500	255
260	12.7	204.9	13,800	24.2	241.9	9,800	260
265				20.6	229.3	9,000	265
270				16.2	213.6	8,300	270
275				10.0	190.8	7,500	275



397,300 lb



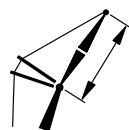
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.2	392.2	77,500							85
90	73.0	390.6	77,000							90
95	71.7	389.0	76,400							95
100	70.4	387.2	75,900							100
105	69.1	385.3	75,300	71.3	387.5	74,800				105
110	67.8	383.2	74,700	70.0	385.6	74,400				110
115	66.5	381.1	74,100	68.7	383.7	73,200				115
120	65.1	378.7	73,500	67.3	381.6	68,900				120
125	63.8	376.3	69,400	66.0	379.4	65,000	68.2	381.6	60,600	125
130	62.4	373.7	65,700	64.7	377.0	61,400	66.9	379.5	57,200	130
135	61.0	370.9	62,200	63.3	374.5	58,100	65.5	377.2	54,100	135
140	59.6	368.0	59,000	61.9	371.8	55,100	64.2	374.8	51,200	140
145	58.2	364.9	56,100	60.5	369.0	52,300	62.8	372.2	48,500	145
150	56.8	361.6	53,300	59.1	366.0	49,700	61.4	369.5	46,000	150
155	55.3	358.1	50,700	57.7	362.9	47,200	60.0	366.6	43,700	155
160	53.8	354.5	48,400	56.2	359.5	45,000	58.6	363.6	41,600	160
165	52.2	350.6	46,100	54.8	356.0	42,800	57.2	360.4	39,600	165
170	50.7	346.5	44,000	53.2	352.3	40,900	55.7	357.0	37,700	170
175	49.1	342.2	42,100	51.7	348.3	39,000	54.2	353.4	35,900	175
180	47.4	337.7	40,200	50.1	344.2	37,200	52.7	349.6	34,300	180
185	45.7	332.8	38,500	48.5	339.8	35,600	51.1	345.5	32,700	185
190	44.0	327.7	36,800	46.9	335.1	34,000	49.6	341.3	31,200	190
195	42.2	322.2	35,200	45.1	330.2	32,500	47.9	336.8	29,800	195
200	40.3	316.4	33,700	43.4	324.9	31,100	46.3	332.0	28,500	200
205	38.4	310.1	32,300	41.6	319.3	29,800	44.5	327.0	27,200	205
210	36.4	303.4	31,000	39.7	313.3	28,500	42.7	321.6	26,000	210
215	34.2	296.2	29,700	37.7	307.0	27,300	40.9	315.9	24,800	215
220	32.0	288.3	28,500	35.6	300.1	26,100	39.0	309.8	23,700	220
225	29.6	279.7	27,300	33.5	292.6	25,000	37.0	303.2	22,700	225
230	26.9	270.1	26,200	31.2	284.5	23,900	34.9	296.1	21,700	230
235	24.0	259.3	25,100	28.7	275.6	22,900	32.7	288.5	20,700	235
240	20.8	246.7	24,100	26.0	265.6	21,900	30.3	280.1	19,800	240
245	16.9	231.4	23,000	23.0	254.3	21,000	27.7	270.8	18,900	245
250	11.7	210.8	22,000	19.5	240.9	20,100	24.9	260.4	18,000	250
255				15.3	224.3	19,200	21.8	248.4	17,200	255
260				9.3	199.9	18,300	18.1	234.1	16,400	260
265							13.5	215.6	15,600	265
270							5.6	183.4	14,700	270
275										275
280										280



397,300 lb

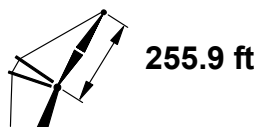
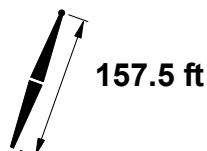


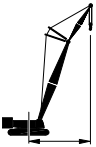
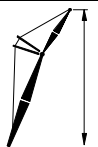
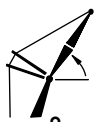
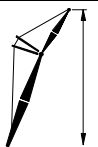
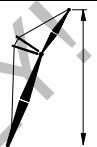
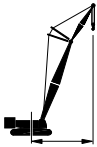
157.5 ft



236.2 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
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	38,000				155
160	62.4	368.2	36,000				160
165	61.0	365.5	34,200				165
170	59.6	362.5	32,500				170
175	58.2	359.5	30,900				175
180	56.7	356.2	29,400				180
185	55.3	352.7	27,900				185
190	53.8	349.1	26,600	57.7	353.9	21,700	190
195	52.2	345.2	25,300	56.2	350.6	20,500	195
200	50.7	341.1	24,100	54.7	347.1	19,300	200
205	49.1	336.8	22,900	53.2	343.3	18,100	205
210	47.4	332.2	21,800	51.7	339.4	17,100	210
215	45.7	327.4	20,800	50.1	335.2	16,000	215
220	44.0	322.2	19,800	48.5	330.8	15,000	220
225	42.2	316.8	18,900	46.8	326.2	14,100	225
230	40.3	310.9	17,900	45.1	321.2	13,200	230
235	38.4	304.7	17,000	43.4	315.9	12,300	235
240	36.4	298.0	16,100	41.5	310.3	11,500	240
245	34.2	290.7	15,200	39.6	304.4	10,700	245
250	32.0	282.9	14,300	37.7	298.0	9,900	250
255	29.6	274.2	13,500	35.6	291.1	9,200	255
260	26.9	264.7	12,600	33.4	283.6	8,400	260
265	24.0	253.8	11,900	31.1	275.5	7,700	265
270	20.8	241.3	11,100	28.6	266.5	7,100	270
275	16.9	226.0	10,300				275
280	11.7	205.3	9,600				280



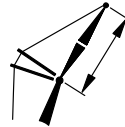
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
90	74.3	411.2	65,200							90
95	73.2	409.7	64,700							95
100	72.0	408.1	64,200							100
105	70.8	406.3	63,600							105
110	69.6	404.5	63,000	71.6	406.6	62,700				110
115	68.4	402.5	62,400	70.4	404.8	62,300				115
120	67.2	400.4	61,900	69.2	402.9	61,800				120
125	65.9	398.1	61,300	68.0	400.9	61,400				125
130	64.7	395.8	60,700	66.8	398.7	60,300	68.7	400.8	56,000	130
135	63.5	393.3	60,200	65.5	396.4	57,000	67.5	398.8	52,800	135
140	62.2	390.6	58,000	64.3	394.0	54,000	66.3	396.6	50,000	140
145	60.9	387.9	55,000	63.0	391.5	51,200	65.1	394.2	47,300	145
150	59.6	384.9	52,300	61.8	388.8	48,600	63.8	391.8	44,900	150
155	58.3	381.8	49,700	60.5	386.0	46,100	62.6	389.2	42,600	155
160	57.0	378.6	47,300	59.2	383.0	43,900	61.3	386.5	40,400	160
165	55.6	375.2	45,100	57.8	379.8	41,800	60.0	383.6	38,400	165
170	54.2	371.6	43,000	56.5	376.5	39,800	58.7	380.5	36,500	170
175	52.8	367.8	41,000	55.1	373.1	37,900	57.4	377.3	34,800	175
180	51.4	363.8	39,200	53.7	369.4	36,100	56.0	374.0	33,100	180
185	49.9	359.6	37,500	52.3	365.5	34,500	54.6	370.4	31,500	185
190	48.4	355.2	35,800	50.9	361.5	32,900	53.2	366.7	30,100	190
195	46.9	350.6	34,200	49.4	357.2	31,400	51.8	362.8	28,700	195
200	45.3	345.6	32,800	47.9	352.7	30,000	50.4	358.7	27,300	200
205	43.7	340.4	31,400	46.4	348.0	28,700	48.9	354.3	26,100	205
210	42.1	334.9	30,000	44.8	343.0	27,400	47.4	349.7	24,900	210
215	40.3	329.1	28,700	43.2	337.7	26,200	45.8	344.9	23,700	215
220	38.6	322.9	27,500	41.5	332.1	25,100	44.2	339.8	22,600	220
225	36.7	316.3	26,400	39.7	326.1	24,000	42.6	334.4	21,600	225
230	34.7	309.1	25,300	37.9	319.7	22,900	40.9	328.6	20,600	230
235	32.7	301.5	24,200	36.0	313.0	21,900	39.1	322.5	19,700	235
240	30.5	293.1	23,200	34.1	305.7	21,000	37.3	316.0	18,700	240
245	28.2	284.0	22,200	32.0	297.8	20,000	35.3	309.1	17,900	245
250	25.7	273.9	21,300	29.7	289.2	19,100	33.3	301.6	17,000	250
255	22.9	262.5	20,300	27.3	279.7	18,300	31.2	293.5	16,200	255
260	19.7	249.2	19,500	24.7	269.2	17,400	28.9	284.6	15,400	260
265	15.9	233.0	18,600	21.8	257.2	16,600	26.4	274.8	14,600	265
270	10.8	210.9	17,700	18.5	243.1	15,900	23.7	263.8	13,800	270
275				14.4	225.5	15,100	20.7	251.2	13,000	275
280				8.4	199.1	14,300	17.1	236.0	12,200	280
285							12.6	216.3	11,400	285
290							4.3	179.9	10,500	290



397,300 lb

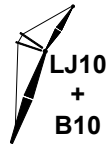


157.5 ft

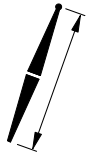


255.9 ft

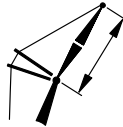
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165	63.5	387.9	32,900				165
170	62.2	385.2	31,200				170
175	60.9	382.4	29,600				175
180	59.6	379.5	28,100				180
185	58.3	376.4	26,700				185
190	57.0	373.2	25,300				190
195	55.6	369.8	24,100				195
200	54.2	366.2	22,900	57.8	370.9	17,400	200
205	52.8	362.4	21,700	56.5	367.6	16,300	205
210	51.4	358.4	20,600	55.1	364.1	15,200	210
215	49.9	354.2	19,400	53.7	360.5	14,200	215
220	48.4	349.8	18,300	52.3	356.6	13,200	220
225	46.9	345.1	17,300	50.9	352.6	12,300	225
230	45.3	340.2	16,300	49.4	348.3	11,400	230
235	43.7	335.0	15,300	47.9	343.8	10,500	235
240	42.1	329.5	14,400	46.3	339.0	9,700	240
245	40.3	323.7	13,500	44.8	334.0	8,900	245
250	38.6	317.5	12,700	43.1	328.7	8,200	250
255	36.7	310.8	11,800	41.4	323.1	7,400	255
260	34.7	303.7	11,100				260
265	32.7	296.0	10,300				265
270	30.5	287.7	9,600				270
275	28.2	278.6	8,800				275
280	25.7	268.5	8,100				280
285	22.9	257.0	7,500				285
290							290



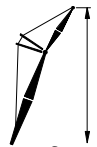
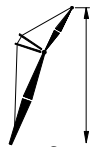
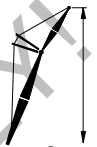
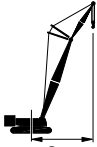
397,300 lb



157.5 ft



275.6 ft

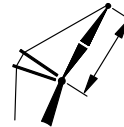
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
95	74.4	430.3	54,300							95
100	73.3	428.8	53,700							100
105	72.2	427.2	53,200							105
110	71.1	425.4	52,600							110
115	70.0	423.6	52,100	71.8	425.7	52,000				115
120	68.9	421.7	51,500	70.7	423.9	51,500				120
125	67.8	419.6	51,000	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	46,400	145
150	62.0	407.6	48,300	63.9	411.0	47,700	65.8	413.6	43,900	150
155	60.8	404.8	47,800	62.8	408.5	45,200	64.7	411.3	41,600	155
160	59.6	401.9	46,500	61.6	405.8	43,000	63.5	408.8	39,500	160
165	58.4	398.8	44,300	60.4	402.9	40,900	62.4	406.2	37,500	165
170	57.1	395.6	42,200	59.2	399.9	38,900	61.2	403.4	35,600	170
175	55.9	392.2	40,200	58.0	396.8	37,000	60.0	400.5	33,900	175
180	54.6	388.7	38,400	56.7	393.5	35,300	58.7	397.5	32,200	180
185	53.3	384.9	36,600	55.5	390.1	33,600	57.5	394.3	30,600	185
190	52.0	381.0	35,000	54.2	386.5	32,100	56.3	391.0	29,200	190
195	50.7	377.0	33,400	52.9	382.7	30,600	55.0	387.5	27,800	195
200	49.3	372.7	32,000	51.5	378.8	29,200	53.7	383.8	26,400	200
205	47.9	368.2	30,600	50.2	374.6	27,900	52.4	380.0	25,200	205
210	46.5	363.4	29,200	48.8	370.2	26,600	51.1	376.0	24,000	210
215	45.0	358.5	28,000	47.4	365.7	25,400	49.7	371.7	22,900	215
220	43.5	353.2	26,800	46.0	360.8	24,300	48.3	367.3	21,800	220
225	41.9	347.7	25,600	44.5	355.8	23,200	46.9	362.6	20,700	225
230	40.3	341.9	24,500	43.0	350.4	22,100	45.4	357.7	19,800	230
235	38.7	335.7	23,400	41.4	344.8	21,100	43.9	352.6	18,800	235
240	37.0	329.1	22,400	39.8	338.9	20,200	42.4	347.1	17,900	240
245	35.2	322.1	21,500	38.1	332.5	19,200	40.8	341.4	17,000	245
250	33.3	314.6	20,500	36.4	325.8	18,400	39.2	335.3	16,000	250
255	31.3	306.5	19,600	34.5	318.6	17,500	37.5	328.9	15,100	255
260	29.2	297.7	18,800	32.6	310.9	16,700	35.7	322.0	14,300	260
265	27.0	288.1	17,900	30.6	302.6	15,900	33.9	314.6	13,400	265
270	24.5	277.5	17,100	28.5	293.6	15,100	31.9	306.7	12,600	270
275	21.8	265.5	16,300	26.2	283.7	14,400	29.9	298.2	11,800	275
280	18.7	251.5	15,600	23.6	272.6	13,600	27.7	288.8	11,100	280
285	15.0	234.4	14,800	20.8	260.0	12,800	25.3	278.5	10,300	285
290	10.0	210.8	14,100	17.6	245.1	12,000	22.7	267.0	9,600	290
295				13.5	226.4	11,300	19.7	253.7	8,900	295
300				7.5	197.9	10,500	16.2	237.7	8,200	300
305							11.8	216.7	7,500	305



397,300 lb

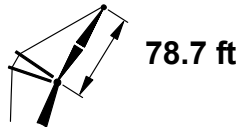
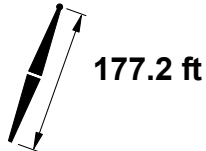
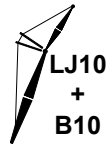


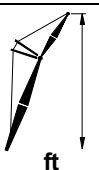
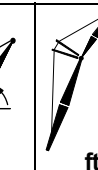
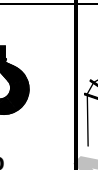
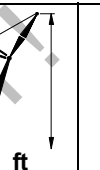
157.5 ft



275.6 ft

	75°		
ft		ft	lb
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175	63.2	404.8	28,600
180	62.0	402.2	27,100
185	60.8	399.4	25,700
190	59.6	396.5	24,300
195	58.4	393.4	22,900
200	57.1	390.2	21,600
205	55.9	386.8	20,400
210	54.6	383.2	19,200
215	53.3	379.5	18,000
220	52.0	375.6	16,900
225	50.7	371.5	15,900
230	49.3	367.2	14,900
235	47.9	362.7	14,000
240	46.5	358.0	13,100
245	45.0	353.0	12,200
250	43.5	347.8	11,300
255	41.9	342.3	10,500
260	40.3	336.4	9,800
265	38.7	330.2	9,000
270	37.0	323.7	8,300
275	35.2	316.6	7,600
280			
285			
290			
295			
300			
305			



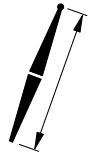
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
45	73.2	259.8	254,200 d							45
50	69.3	257.9	238,700 c							50
55	65.3	255.6	218,600 b							55
60	61.1	252.8	194,700 b	68.7	256.6	184,800 c				60
65	56.8	249.6	175,300	64.7	254.2	166,300 b				65
70	52.2	245.7	159,200	60.5	251.4	151,000 b	68.1	254.8	142,800 c	70
75	47.3	241.2	145,600	56.1	248.1	138,100	64.1	252.3	130,600 b	75
80	41.9	235.7	133,900	51.5	244.1	127,000	59.9	249.4	120,100 b	80
85	35.8	229.0	123,800	46.5	239.5	117,400	55.5	246.0	111,000	85
90	28.6	220.4	114,800	41.1	233.9	109,000	50.8	242.0	103,100	90
95	18.7	207.8	106,800	34.9	227.0	101,600	45.7	237.2	96,000	95
100				27.4	218.0	94,900	40.2	231.4	89,800	100
105				16.8	204.3	88,800	33.8	224.3	84,100	105
110							26.1	214.8	79,000	110
115							14.4	199.6	74,200	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-2

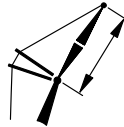
ASME B30.5



397,300 lb

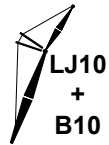


177.2 ft

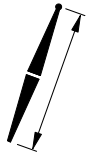


78.7 ft

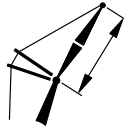
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.0	246.0	86,700 b							95
100	55.6	242.6	81,100							100
105	50.9	238.6	76,000							105
110	45.9	233.8	71,400							110
115	40.4	228.1	67,200	55.4	237.6	60,000				115
120	34.1	221.0	63,400	50.8	233.6	56,500				120
125	26.4	211.7	59,800	45.7	228.8	53,400				125
130	15.0	196.8	56,400	40.2	223.0	50,500				130
135				33.8	215.8	47,800	50.1	226.8	42,000	135
140				26.0	206.4	45,200	45.0	221.9	39,800	140
145				14.4	191.2	42,700	39.4	216.0	37,700	145
150							32.9	208.6	35,700	150
155							24.8	198.7	33,800	155
160							11.8	181.6	31,900	160



397,300 lb



177.2 ft

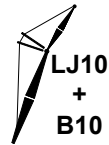


98.4 ft

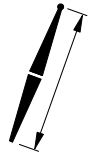
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50	73.6	278.9	223,700 c							50
55	70.5	277.1	211,700 b							55
60	67.3	275.0	194,000 b							60
65	64.1	272.6	174,700	70.1	275.8	165,300 b				65
70	60.8	269.8	158,600	66.9	273.7	150,100 b				70
75	57.3	266.6	145,000	63.7	271.2	137,200				75
80	53.7	262.9	133,400	60.3	268.3	126,200	66.4	271.8	119,000 b	80
85	49.9	258.8	123,400	56.8	265.1	116,700	63.1	269.3	110,000	85
90	45.9	254.0	114,600	53.2	261.4	108,300	59.8	266.4	102,100	90
95	41.6	248.4	106,800	49.4	257.1	101,000	56.3	263.1	95,100	95
100	36.8	241.9	99,900	45.3	252.2	94,500	52.6	259.3	89,000	100
105	31.4	234.1	93,700	40.9	246.6	88,600	48.8	254.9	83,400	105
110	24.8	224.0	88,100	36.1	239.9	83,300	44.7	249.9	78,400	110
115	15.7	209.2	82,900	30.5	231.8	78,500	40.2	244.2	73,900	115
120				23.8	221.3	74,100	35.3	237.3	69,800	120
125				13.9	205.2	69,900	29.6	228.9	66,000	125
130							22.6	217.9	62,400	130
135							11.6	199.9	59,000	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-2

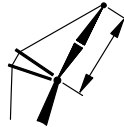
ASME B30.5



397,300 lb

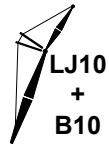


177.2 ft

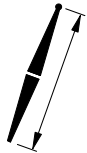


98.4 ft

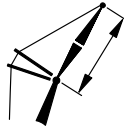
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	63.3	265.8	79,800							100
105	59.9	262.9	74,800							105
110	56.4	259.6	70,300							110
115	52.8	255.9	66,200							115
120	48.9	251.5	62,500							120
125	44.8	246.6	59,100	56.3	254.6	52,200				125
130	40.4	240.8	55,900	52.6	250.9	49,400				130
135	35.5	234.0	53,000	48.8	246.5	46,800				135
140	29.8	225.7	50,300	44.7	241.5	44,300				140
145	22.9	214.8	47,700	40.2	235.7	42,100	52.1	244.2	36,500	145
150	12.2	197.3	45,200	35.3	228.9	40,000	48.2	239.8	34,600	150
155				29.6	220.5	38,000	44.1	234.7	32,900	155
160				22.6	209.5	36,100	39.6	228.8	31,200	160
165				11.6	191.4	34,200	34.6	221.7	29,700	165
170							28.7	213.1	28,200	170
175							21.4	201.6	26,700	175
180							9.0	180.9	25,200	180



397,300 lb



177.2 ft



118.1 ft

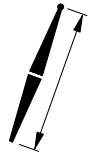
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.9	297.9	197,100 b							55
60	71.3	296.2	189,000 b							60
65	68.7	294.3	174,100							65
70	66.1	292.0	158,000	71.0	295.0	149,300 b				70
75	63.3	289.5	144,500	68.3	293.0	136,500				75
80	60.6	286.7	132,900	65.7	290.7	125,500				80
85	57.7	283.6	122,900	63.0	288.2	116,000	67.9	291.1	109,100	85
90	54.7	280.0	114,200	60.2	285.3	107,700	65.3	288.8	101,300	90
95	51.6	276.1	106,500	57.3	282.1	100,400	62.5	286.2	94,400	95
100	48.4	271.7	99,600	54.3	278.5	93,900	59.7	283.3	88,200	100
105	45.0	266.8	93,500	51.2	274.5	88,100	56.8	280.1	82,700	105
110	41.4	261.2	88,000	47.9	270.0	82,900	53.8	276.4	77,800	110
115	37.4	254.8	83,000	44.5	265.0	78,200	50.7	272.4	73,300	115
120	33.1	247.3	78,400	40.8	259.3	73,800	47.4	267.8	69,300	120
125	28.1	238.4	74,200	36.8	252.8	69,900	44.0	262.7	65,500	125
130	22.1	227.0	70,300	32.4	245.2	66,300	40.2	256.9	62,100	130
135	13.5	210.1	66,600	27.3	236.0	62,900	36.2	250.2	59,000	135
140				21.1	224.1	59,700	31.7	242.4	56,000	140
145				11.8	205.6	56,700	26.5	232.9	53,300	145
150							20.0	220.4	50,700	150
155							9.5	199.4	48,100	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-2

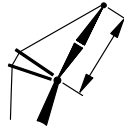
ASME B30.5



397,300 lb

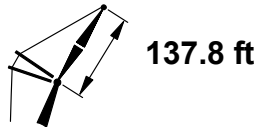
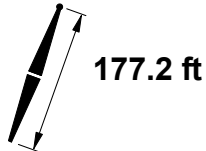
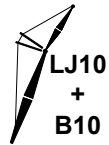


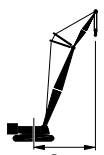
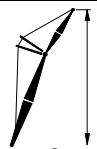
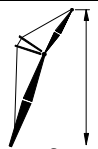
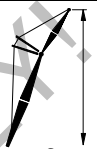
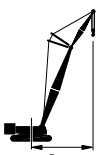
177.2 ft



118.1 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.6	282.8	69,400							110
115	59.8	279.9	65,300							115
120	56.9	276.6	61,700							120
125	53.9	273.0	58,300							125
130	50.8	269.0	55,200							130
135	47.6	264.5	52,400	56.8	271.7	45,800				135
140	44.1	259.4	49,700	53.8	268.0	43,500				140
145	40.4	253.6	47,300	50.7	264.0	41,300				145
150	36.4	246.9	45,000	47.4	259.4	39,300				150
155	31.9	239.2	42,800	44.0	254.3	37,300	53.4	261.4	31,900	155
160	26.7	229.7	40,800	40.2	248.5	35,500	50.3	257.3	30,300	160
165	20.2	217.4	38,900	36.2	241.8	33,900	47.0	252.6	28,800	165
170	10.1	197.0	36,900	31.7	234.0	32,300	43.5	247.4	27,400	170
175				26.5	224.5	30,700	39.7	241.5	26,100	175
180				20.0	212.0	29,200	35.6	234.7	24,800	180
185				9.4	190.9	27,700	31.0	226.7	23,600	185
190							25.7	216.9	22,500	190
195							18.9	203.8	21,300	195
200							6.6	179.1	20,100	200



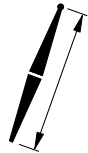
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
60	74.1	317.0	167,400							60
65	71.9	315.3	165,800							65
70	69.7	313.5	157,100							70
75	67.4	311.4	143,600	71.6	314.1	135,300				75
80	65.1	309.1	132,000	69.4	312.2	124,400				80
85	62.8	306.5	122,000	67.1	310.1	114,900				85
90	60.4	303.7	113,300	64.8	307.7	106,600				90
95	58.0	300.5	105,600	62.5	305.1	99,400	66.8	308.2	93,100	95
100	55.4	297.1	98,800	60.1	302.2	92,900	64.5	305.9	87,000	100
105	52.8	293.3	92,700	57.6	299.1	87,100	62.1	303.2	81,600	105
110	50.1	289.2	87,200	55.1	295.6	81,900	59.7	300.3	76,700	110
115	47.3	284.6	82,200	52.5	291.8	77,200	57.2	297.1	72,200	115
120	44.3	279.5	77,700	49.7	287.6	72,900	54.7	293.5	68,200	120
125	41.2	273.9	73,600	46.9	282.9	69,000	52.0	289.7	64,500	125
130	37.9	267.6	69,800	43.9	277.8	65,400	49.3	285.4	61,100	130
135	34.2	260.4	66,300	40.8	272.1	62,100	46.5	280.7	58,000	135
140	30.2	252.1	63,000	37.4	265.7	59,100	43.5	275.5	55,100	140
145	25.6	242.2	60,000	33.7	258.3	56,200	40.3	269.7	52,400	145
150	19.9	229.6	57,100	29.6	249.8	53,600	36.8	263.1	49,900	150
155	11.7	210.4	54,400	24.9	239.6	51,100	33.1	255.6	47,600	155
160				19.0	226.4	48,700	28.9	246.9	45,400	160
165				10.0	205.3	46,400	24.1	236.4	43,300	165
170							17.9	222.5	41,400	170
175							7.6	198.1	39,400	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-2

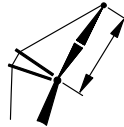
ASME B30.5



397,300 lb

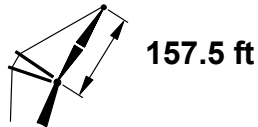
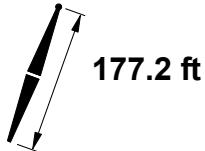
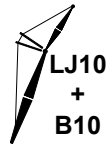


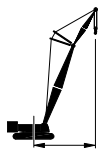
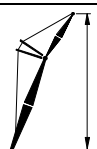
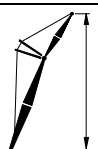
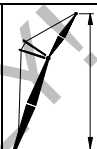
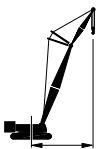
177.2 ft



137.8 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
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	60,300							120
125	59.8	296.8	57,000							125
130	57.3	293.6	54,000							130
135	54.8	290.1	51,100							135
140	52.1	286.3	48,500							140
145	49.4	282.0	46,100	57.2	288.7	39,900				145
150	46.6	277.3	43,900	54.7	285.1	37,900				150
155	43.6	272.1	41,800	52.0	281.3	36,100				155
160	40.4	266.3	39,800	49.3	277.0	34,300				160
165	37.0	259.8	38,000	46.5	272.3	32,700				165
170	33.2	252.4	36,300	43.4	267.1	31,100	51.7	274.6	26,100	170
175	29.1	243.7	34,600	40.3	261.2	29,700	48.9	270.3	24,800	175
180	24.3	233.2	33,000	36.8	254.7	28,300	46.1	265.5	23,600	180
185	18.2	219.5	31,500	33.1	247.2	27,000	43.0	260.2	22,400	185
190	8.2	196.1	29,900	28.9	238.5	25,700	39.8	254.3	21,300	190
195				24.1	227.9	24,500	36.4	247.6	20,300	195
200				17.9	214.1	23,300	32.6	240.0	19,300	200
205				7.5	189.6	22,100	28.3	231.1	18,200	205
210							23.3	220.2	17,200	210
215							16.9	205.6	16,100	215
220							4.1	175.3	14,900	220



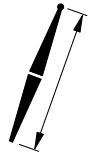
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	336.0	142,000							65
70	72.3	334.4	141,000							70
75	70.4	332.6	138,600							75
80	68.4	330.7	130,900							80
85	66.4	328.5	120,900	70.1	331.4	113,600				85
90	64.4	326.1	112,200	68.2	329.4	105,400				90
95	62.4	323.5	104,500	66.2	327.1	98,100				95
100	60.3	320.6	97,700	64.1	324.7	91,600	67.9	327.5	85,700	100
105	58.1	317.5	91,600	62.1	322.1	85,900	65.9	325.3	80,200	105
110	56.0	314.1	86,100	60.0	319.2	80,700	63.8	322.8	75,300	110
115	53.7	310.5	81,100	57.8	316.1	76,000	61.8	320.2	70,900	115
120	51.4	306.5	76,600	55.6	312.6	71,700	59.7	317.2	66,900	120
125	49.0	302.2	72,500	53.4	308.9	67,800	57.5	314.1	63,200	125
130	46.5	297.5	68,700	51.0	304.9	64,300	55.3	310.6	59,800	130
135	43.9	292.3	65,300	48.6	300.5	61,000	53.0	306.9	56,700	135
140	41.1	286.7	62,000	46.1	295.8	58,000	50.7	302.8	53,900	140
145	38.2	280.4	59,100	43.5	290.6	55,100	48.2	298.4	51,200	145
150	35.1	273.4	56,300	40.7	284.8	52,500	45.7	293.5	48,800	150
155	31.7	265.5	53,700	37.8	278.5	50,100	43.1	288.2	46,400	155
160	27.9	256.4	51,300	34.6	271.4	47,800	40.3	282.4	44,300	160
165	23.5	245.5	49,000	31.2	263.3	45,600	37.3	275.9	42,300	165
170	18.2	231.7	46,800	27.3	254.0	43,600	34.1	268.7	40,400	170
175	10.2	210.3	44,600	22.9	242.8	41,700	30.6	260.5	38,600	175
180				17.3	228.3	39,800	26.7	251.0	36,900	180
185				8.4	204.5	38,000	22.1	239.4	35,200	185
190							16.3	224.1	33,700	190
195							5.8	195.8	32,000	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235

MLC300 S-2

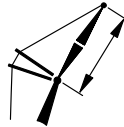
ASME B30.5



397,300 lb



177.2 ft



157.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
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	55,500							125
130	61.8	316.7	52,500							130
135	59.7	313.8	49,700							135
140	57.6	310.6	47,100							140
145	55.4	307.2	44,700							145
150	53.1	303.5	42,500							150
155	50.8	299.4	40,400	57.5	305.7	34,500				155
160	48.3	295.0	38,500	55.3	302.2	32,800				160
165	45.8	290.2	36,700	53.0	298.4	31,200				165
170	43.2	284.9	35,000	50.7	294.4	29,700				170
175	40.4	279.1	33,400	48.2	289.9	28,200				175
180	37.4	272.6	31,900	45.7	285.1	26,900	52.7	291.8	21,800	180
185	34.2	265.5	30,400	43.1	279.8	25,600	50.4	287.7	20,500	185
190	30.7	257.3	29,000	40.3	274.0	24,400	47.9	283.2	19,400	190
195	26.8	247.8	27,700	37.3	267.5	23,200	45.4	278.3	18,300	195
200	22.3	236.3	26,500	34.1	260.3	22,100	42.7	272.9	17,200	200
205	16.5	221.2	25,200	30.6	252.1	21,100	39.9	267.0	16,200	205
210	6.5	194.2	23,900	26.7	242.5	20,100	36.9	260.5	15,300	210
215				22.1	231.0	19,100	33.7	253.1	14,300	215
220				16.3	215.7	18,100	30.1	244.8	13,400	220
225				5.7	187.2	17,100	26.1	235.0	12,600	225
230							21.4	223.1	11,700	230
235							15.3	207.0	10,800	235