

Liftcrane Luffing Jib Capacities

Luffing Jib No. LJ10:501 on

Boom No. B10:500

474,400 lb VPC (Variable Position Counterweight)

360 Degree Rating

MLC300 SERIES 3



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

Consult Luffing Jib Raising Procedure chart **No. 9380-A** for allowable boom point configurations for 177.2 ft, 196.9 ft, and 216.5 ft boom lengths.

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

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

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

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

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



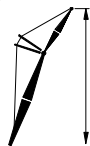
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



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



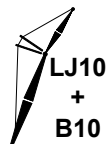
LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



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

MACHINE EQUIPMENT: Machine equipped with 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 474,400 lb VPC.

Explanation of Symbols



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



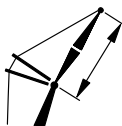
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Luffing Jib Length



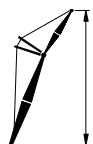
Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



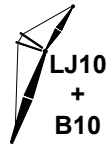
Luffing Jib Elevation
(see page 1)



Lifting Capacities
(see page 1)

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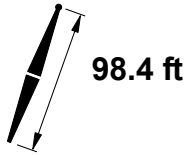
REFERENCE ONLY!



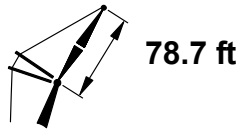
474,400 lb



360°

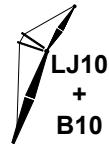


98.4 ft

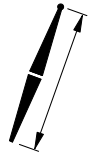


78.7 ft

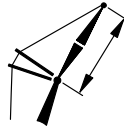
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38	74.3	181.7	330,700 c							38
40	72.8	181.1	311,800 c							40
45	68.9	179.1	283,600 b							45
50	64.9	176.8	259,600 b	69.0	178.6	281,800 b				50
55	60.7	174.0	239,100	65.0	176.3	258,200 b				55
60	56.3	170.7	221,200	60.9	173.5	231,900	65.2	175.5	231,000 b	60
65	51.7	166.7	205,700	56.5	170.2	210,100	61.0	172.7	209,400	65
70	46.8	162.1	192,100	51.9	166.3	192,100	56.7	169.4	191,400	70
75	41.3	156.6	177,600	47.0	161.7	177,000	52.1	165.6	176,300	75
80	35.2	149.7	164,600	41.6	156.2	164,000	47.1	161.0	163,400	80
85	27.8	140.9	153,300	35.4	149.4	152,800	41.7	155.5	152,200	85
90	17.4	127.5	138,600	28.1	140.7	143,000	35.6	148.8	142,500	90
95				17.9	127.6	134,400	28.4	140.1	133,900	95
100							18.3	127.3	126,300	100
105										105
110										110
115										115
120										120
125										125



474,400 lb

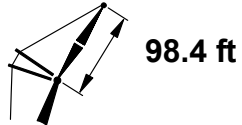
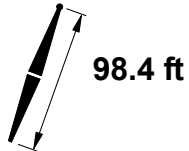
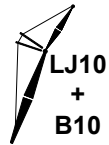


98.4 ft

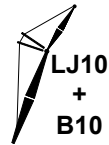


78.7 ft

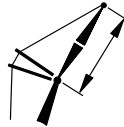
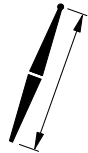
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70	63.9	172.6	190,300							70
75	59.7	169.7	175,300							75
80	55.3	166.3	162,400							80
85	50.6	162.2	151,300	58.2	165.8	150,500				85
90	45.5	157.4	141,700	53.7	162.1	140,800				90
95	40.0	151.5	133,100	48.9	157.8	132,400				95
100	33.6	144.3	125,600	43.7	152.7	124,900	51.8	157.0	124,100	100
105	25.7	134.8	118,800	37.9	146.4	118,100	46.8	152.4	117,500	105
110	13.7	119.1	112,700	31.1	138.6	112,100	41.4	146.8	111,500	110
115				22.3	127.7	106,600	35.3	140.0	106,100	115
120							27.9	131.2	101,100	120
125							17.6	117.9	96,600	125

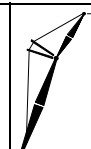
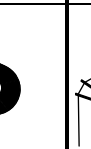


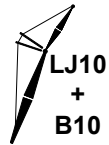
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	lb	ft	
45	73.3	200.1	269,400							45
50	70.2	198.3	250,100							50
55	67.0	196.2	231,000	70.3	197.8	249,000				55
60	63.8	193.7	214,300	67.2	195.7	230,300				60
65	60.5	190.9	199,700	63.9	193.2	210,900	67.3	194.9	210,100	65
70	57.0	187.7	186,700	60.6	190.4	192,800	64.0	192.4	192,100	70
75	53.4	184.0	175,200	57.1	187.2	177,600	60.7	189.6	176,900	75
80	49.6	179.8	164,900	53.5	183.5	164,600	57.2	186.4	164,000	80
85	45.5	174.9	153,900	49.7	179.3	153,300	53.6	182.8	152,800	85
90	41.1	169.3	144,000	45.7	174.5	143,500	49.8	178.6	143,000	90
95	36.3	162.7	135,400	41.3	168.9	134,900	45.8	173.8	134,400	95
100	30.8	154.6	127,700	36.5	162.4	127,200	41.5	168.2	126,800	100
105	24.1	144.3	120,800	31.0	154.4	120,400	36.7	161.7	119,900	105
110	14.5	128.6	104,700	24.4	144.2	114,200	31.2	153.8	113,800	110
115				15.0	128.8	108,700	24.6	143.7	108,300	115
120							15.4	128.6	103,200	120
125										125
130										130
135										135
140										140
145										145



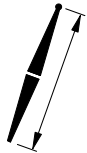
474,400 lb



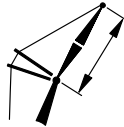
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80	63.0	189.6		163,000						80
85	59.7	186.6		151,900						85
90	56.2	183.3		142,200						90
95	52.5	179.5		133,600	58.5	182.7		132,800		95
100	48.6	175.1		126,000	54.9	179.2		125,300		100
105	44.5	170.1		119,200	51.2	175.3		118,500		105
110	40.0	164.3		113,100	47.2	170.7	53.4	174.2	111,800	110
115	35.1	157.4		107,600	43.0	165.4	49.6	170.0	106,400	115
120	29.4	148.9		102,600	38.4	159.2	45.6	165.2	101,500	120
125	22.3	137.8		98,100	33.2	151.9	41.2	159.5	97,000	125
130	11.0	119.1		93,900	27.1	142.7	36.4	152.9	92,800	130
135					19.2	130.0	30.9	144.9	89,000	135
140							24.2	134.6	85,500	140
145							14.7	119.1	82,300	145



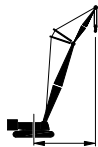
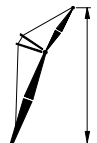
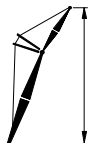
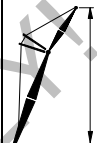
474,400 lb

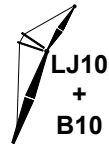


98.4 ft

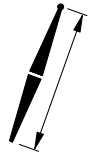


118.1 ft

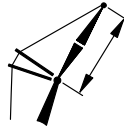
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
50	73.6	219.2	234,500							50
55	71.1	217.5	222,500							55
60	68.5	215.5	207,300	71.2	217.0	222,200				60
65	65.8	213.3	193,600	68.6	215.0	207,100				65
70	63.1	210.7	181,400	65.9	212.7	193,300				70
75	60.3	207.9	170,500	63.2	210.2	178,000	68.6	214.2	192,600	75
80	57.4	204.7	160,700	60.4	207.4	165,000	63.3	209.4	164,400	80
85	54.4	201.1	151,800	57.5	204.2	153,700	60.5	206.6	153,200	85
90	51.3	197.1	143,800	54.6	200.7	143,900	57.6	203.4	143,400	90
95	48.1	192.7	135,700	51.5	196.7	135,200	54.7	199.9	134,700	95
100	44.7	187.7	128,000	48.2	192.3	127,500	51.6	196.0	127,100	100
105	41.0	182.0	121,100	44.8	187.3	120,700	48.3	191.5	120,200	105
110	37.0	175.6	114,900	41.2	181.7	114,500	44.9	186.6	114,100	110
115	32.6	168.0	109,300	37.2	175.2	108,900	41.3	181.0	108,600	115
120	27.6	158.9	103,700	32.8	167.7	103,900	37.3	174.6	103,500	120
125	21.4	147.2	96,400	27.8	158.7	99,300	33.0	167.1	98,900	125
130	12.3	129.1	82,300	21.7	147.1	95,000	28.0	158.1	94,700	130
135				12.8	129.5	86,900	21.9	146.6	90,800	135
140							13.2	129.4	87,300	140
145										145
150										150
155										155
160										160
165										165



474,400 lb

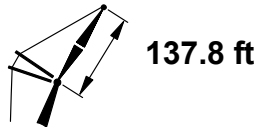
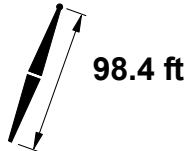
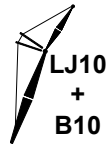


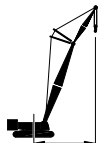
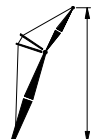
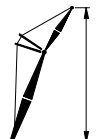
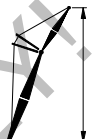
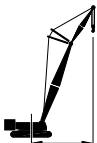
98.4 ft

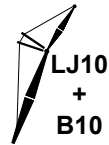


118.1 ft

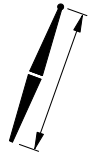
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	62.4	206.5	142,500							90
95	59.6	203.6	133,900							95
100	56.7	200.3	126,300							100
105	53.7	196.7	119,500	58.6	199.7	118,800				105
110	50.6	192.6	113,400	55.7	196.3	112,700				110
115	47.3	188.0	107,900	52.7	192.5	107,300				115
120	43.8	182.9	102,900	49.5	188.3	102,300				120
125	40.1	177.1	98,300	46.1	183.5	97,700	51.4	187.4	97,200	125
130	36.0	170.3	94,100	42.6	178.2	93,600	48.1	182.9	93,000	130
135	31.5	162.5	90,300	38.7	172.0	89,800	44.7	177.9	89,200	135
140	26.3	152.9	86,700	34.5	165.0	86,200	41.1	172.3	85,700	140
145	19.7	140.2	83,500	29.8	156.6	83,000	37.1	165.8	82,500	145
150	8.7	118.3	80,400	24.2	146.1	79,900	32.7	158.3	79,400	150
155				16.8	131.7	77,100	27.7	149.2	76,000	155
160							21.5	137.5	72,800	160
165							12.5	119.7	69,600	165



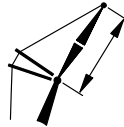
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
55	73.9	238.3	204,400							55
60	71.7	236.6	194,400							60
65	69.5	234.7	184,800	71.8	236.1	195,600				65
70	67.2	232.6	175,300	69.6	234.2	186,200				70
75	64.9	230.3	165,200	67.3	232.1	175,600				75
80	62.6	227.7	155,900	65.0	229.8	165,500	67.4	231.3	165,000	80
85	60.2	224.8	147,500	62.7	227.2	154,200	65.1	229.0	153,700	85
90	57.7	221.7	139,800	60.3	224.3	144,400	62.7	226.4	143,800	90
95	55.2	218.2	132,800	57.8	221.2	135,700	60.3	223.5	135,200	95
100	52.6	214.4	126,400	55.3	217.7	128,000	57.9	220.4	127,500	100
105	49.9	210.2	120,400	52.7	213.9	121,100	55.4	217.0	120,600	105
110	47.0	205.6	114,900	50.0	209.8	114,900	52.8	213.2	114,500	110
115	44.1	200.5	109,400	47.1	205.2	109,300	50.1	209.0	108,900	115
120	40.9	194.8	104,200	44.2	200.1	104,200	47.2	204.4	103,900	120
125	37.5	188.4	99,300	41.0	194.4	99,600	44.3	199.4	99,200	125
130	33.9	181.1	94,800	37.7	188.1	95,400	41.1	193.7	95,000	130
135	29.8	172.7	90,000	34.0	180.8	91,500	37.8	187.4	91,100	135
140	25.1	162.6	84,400	30.0	172.4	87,900	34.1	180.2	87,600	140
145	19.3	149.5	78,200	25.3	162.4	84,500	30.1	171.8	84,200	145
150	10.5	129.1	65,800	19.6	149.5	81,500	25.5	161.9	81,200	150
155				11.0	129.6	69,700	19.8	149.1	78,300	155
160							11.4	129.6	73,500	160
165										165
170										170
175										175
180										180
185										185



474,400 lb

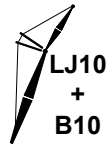


98.4 ft

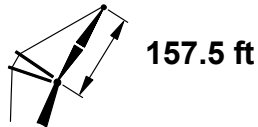
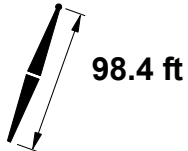


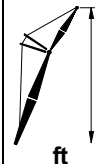
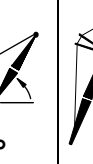
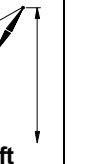
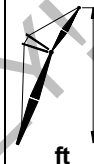
137.8 ft

	75°			70°			65°			
										
	ft	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		126,700						100
105	59.6	220.6		119,900						105
110	57.1	217.3		113,800						110
115	54.6	213.8		108,200	58.8	216.7	107,600			115
120	51.9	209.9		103,200	56.3	213.3	102,600			120
125	49.2	205.6		98,600	53.7	209.7	98,000			125
130	46.3	200.9		94,400	51.0	205.7	93,900			130
135	43.3	195.6		90,600	48.2	201.2	90,000	52.6	204.6	89,500
140	40.1	189.8		87,000	45.3	196.3	86,500	49.9	200.4	85,400
145	36.7	183.2		83,700	42.2	190.9	83,200	47.1	195.8	81,600
150	33.0	175.7		80,700	39.0	184.8	80,200	44.1	190.7	78,000
155	28.8	166.9		77,800	35.4	177.9	77,400	41.0	185.0	74,700
160	23.9	156.3		75,200	31.6	170.0	74,700	37.6	178.7	71,600
165	17.7	142.2		72,700	27.1	160.7	71,600	33.9	171.4	68,600
170	6.8	116.6		70,400	21.9	149.1	68,700	29.9	163.0	65,800
175					14.9	133.0	65,800	25.2	152.9	63,200
180								19.4	139.9	60,600
185								10.7	119.7	58,100



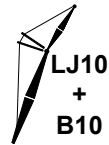
474,400 lb



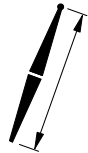
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
60	74.1	257.3	167,900							60
65	72.1	255.7	160,200							65
70	70.2	253.9	152,900							70
75	68.2	251.9	145,900	70.3	253.4	153,900				75
80	66.3	249.7	139,300	68.3	251.4	147,100				80
85	64.2	247.3	132,700	66.3	249.2	140,500	68.4	250.6	147,400	85
90	62.2	244.6	126,400	64.3	246.8	134,000	66.4	248.4	141,100	90
95	60.1	241.8	120,200	62.3	244.1	127,700	64.4	246.0	134,800	95
100	57.9	238.6	114,400	60.2	241.3	121,600	62.3	243.4	127,900	100
105	55.7	235.2	108,800	58.0	238.2	115,700	60.2	240.5	121,000	105
110	53.5	231.6	103,600	55.8	234.8	110,100	58.1	237.4	114,800	110
115	51.1	227.5	98,500	53.6	231.1	104,700	55.9	234.0	109,300	115
120	48.7	223.2	93,700	51.2	227.1	99,600	53.6	230.3	104,200	120
125	46.2	218.4	89,200	48.8	222.8	94,700	51.3	226.4	99,600	125
130	43.6	213.2	84,900	46.3	218.0	90,100	48.9	222.0	95,300	130
135	40.8	207.5	80,900	43.7	212.8	85,900	46.4	217.3	91,000	135
140	37.9	201.2	77,100	41.0	207.2	81,800	43.8	212.1	86,600	140
145	34.8	194.1	73,500	38.0	200.9	77,900	41.0	206.5	82,600	145
150	31.3	186.1	70,100	34.9	193.8	74,300	38.1	200.2	78,700	150
155	27.5	176.9	66,900	31.5	185.9	70,900	35.0	193.2	75,100	155
160	23.1	165.8	63,900	27.7	176.7	67,700	31.6	185.3	71,600	160
165	17.6	151.5	61,000	23.3	165.7	64,600	27.8	176.1	68,400	165
170	9.0	128.5	52,700	17.8	151.6	61,700	23.4	165.2	65,300	170
175				9.5	129.2	56,000	18.0	151.2	62,300	175
180							9.9	129.4	59,400	180
185										185
190										190
195										195
200										200
205										205

MLC300 S-3

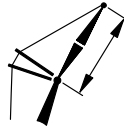
ASME B30.5



474,400 lb

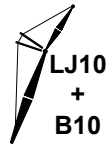


98.4 ft



157.5 ft

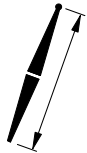
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.8	243.1	120,300							105
110	61.7	240.4	114,100							110
115	59.6	237.5	108,600							115
120	57.4	234.3	103,500							120
125	55.2	230.9	98,900	58.8	233.6	98,300				125
130	52.9	227.1	94,700	56.7	230.4	94,200				130
135	50.6	223.0	90,900	54.4	226.8	90,300				135
140	48.2	218.6	87,300	52.1	222.9	86,800				140
145	45.6	213.7	84,000	49.8	218.7	83,300	53.5	221.8	79,700	145
150	43.0	208.4	80,900	47.3	214.1	79,700	51.2	217.8	76,200	150
155	40.2	202.6	78,100	44.7	209.1	76,200	48.8	213.4	72,900	155
160	37.2	196.1	75,400	42.0	203.6	73,000	46.3	208.7	69,800	160
165	34.0	188.8	72,900	39.2	197.6	70,000	43.6	203.5	66,900	165
170	30.5	180.6	70,200	36.1	190.9	67,200	40.9	197.8	64,200	170
175	26.5	170.9	67,400	32.8	183.3	64,500	38.0	191.5	61,600	175
180	21.9	159.3	64,700	29.2	174.6	61,900	34.8	184.4	59,100	180
185	16.0	143.8	62,100	25.0	164.4	59,500	31.4	176.4	56,800	185
190	4.8	113.5	59,500	20.1	151.7	57,200	27.6	167.2	54,600	190
195				13.3	133.8	54,900	23.1	156.1	52,500	195
200							17.7	141.9	50,400	200
205							9.2	119.1	48,300	205



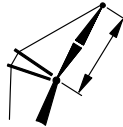
474,400 lb



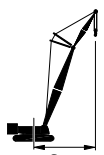
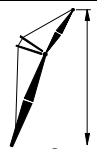
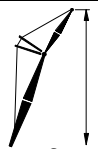
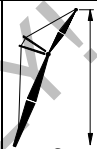
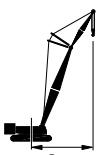
360°



98.4 ft

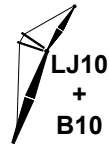


177.2 ft

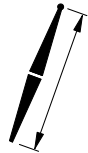
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	276.4	150,800							65
70	72.5	274.8	145,100							70
75	70.8	273.0	138,700							75
80	69.1	271.1	132,600	70.9	272.5	139,500				80
85	67.3	269.0	126,700	69.1	270.6	133,500				85
90	65.5	266.7	121,000	67.4	268.5	127,800				90
95	63.7	264.3	115,700	65.6	266.2	122,200	67.4	267.7	128,100	95
100	61.9	261.6	110,500	63.8	263.8	116,900	65.6	265.4	122,700	100
105	60.0	258.7	105,600	62.0	261.1	111,700	63.8	263.0	117,500	105
110	58.1	255.6	100,900	60.1	258.2	106,800	62.0	260.3	112,400	110
115	56.2	252.3	96,300	58.2	255.1	102,100	60.2	257.4	107,600	115
120	54.2	248.7	91,900	56.2	251.8	97,400	58.3	254.4	102,800	120
125	52.1	244.8	87,700	54.3	248.2	93,000	56.3	251.0	98,300	125
130	50.0	240.6	83,700	52.2	244.4	88,700	54.3	247.5	93,800	130
135	47.9	236.1	79,900	50.1	240.2	84,700	52.3	243.6	89,600	135
140	45.6	231.3	76,200	47.9	235.7	80,800	50.2	239.4	85,500	140
145	43.2	226.0	72,800	45.7	230.9	77,100	48.0	235.0	81,600	145
150	40.8	220.3	69,400	43.3	225.6	73,600	45.8	230.1	77,900	150
155	38.2	214.0	66,300	40.9	219.9	70,200	43.4	224.9	74,400	155
160	35.4	207.1	63,300	38.3	213.6	67,100	41.0	219.2	70,900	160
165	32.5	199.4	60,400	35.5	206.8	64,100	38.4	213.0	67,800	165
170	29.2	190.7	57,600	32.6	199.1	61,100	35.6	206.1	64,700	170
175	25.6	180.7	55,100	29.4	190.5	58,400	32.7	198.5	61,800	175
180	21.4	168.7	52,700	25.8	180.5	55,700	29.5	189.9	59,000	180
185	16.1	153.1	50,400	21.6	168.6	53,300	25.9	180.0	56,300	185
190	7.6	127.2	42,500	16.4	153.2	50,900	21.7	168.1	53,800	190
195				8.1	128.2	45,500	16.5	152.9	51,500	195
200							8.5	128.6	48,400	200
205										205
210										210
215										215
220										220
225										225

MLC300 S-3

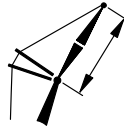
ASME B30.5



474,400 lb

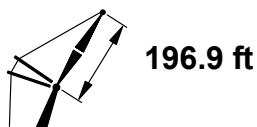
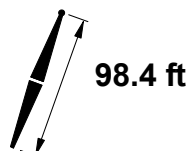


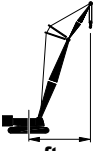
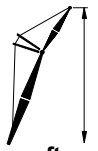
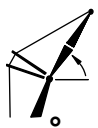
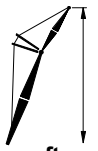
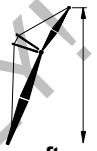
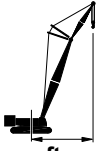
98.4 ft

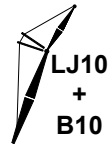


177.2 ft

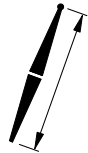
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.3	260.1	108,900							115
120	61.4	257.4	103,900							120
125	59.6	254.5	99,200							125
130	57.7	251.3	95,000							130
135	55.7	247.9	91,100	58.9	250.6	89,800				135
140	53.7	244.2	87,500	57.0	247.4	85,600				140
145	51.6	240.3	84,200	55.0	243.9	81,700				145
150	49.5	236.1	81,200	53.0	240.1	78,000				150
155	47.3	231.5	78,100	50.9	236.1	74,700				155
160	45.1	226.5	74,800	48.8	231.7	71,500	52.2	235.0	68,100	160
165	42.7	221.2	71,700	46.5	227.0	68,500	50.1	230.9	65,200	165
170	40.2	215.3	68,800	44.2	221.9	65,700	47.9	226.4	62,500	170
175	37.6	208.9	66,100	41.8	216.4	63,000	45.6	221.5	60,000	175
180	34.8	201.8	63,500	39.3	210.3	60,500	43.3	216.2	57,600	180
185	31.7	193.9	61,000	36.6	203.7	58,200	40.8	210.5	55,300	185
190	28.4	185.0	58,600	33.7	196.4	55,900	38.2	204.3	53,100	190
195	24.7	174.5	56,400	30.6	188.1	53,800	35.5	197.4	51,100	195
200	20.3	161.9	53,900	27.2	178.7	51,700	32.5	189.7	49,100	200
205	14.6	145.0	51,600	23.2	167.7	49,700	29.3	181.0	47,200	205
210	1.8	105.9	48,900	18.5	153.9	47,800	25.7	171.0	45,400	210
215				12.0	134.3	46,000	21.5	159.0	43,700	215
220							16.2	143.6	42,000	220
225							7.8	118.0	40,300	225



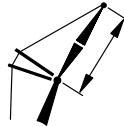
	 86°			 83°			 80°			
										
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70	74.3	295.4	133,100							70
75	72.8	293.9	130,500							75
80	71.2	292.2	128,100							80
85	69.7	290.3	125,800	71.3	291.6	128,500				85
90	68.1	288.3	123,200	69.7	289.8	126,300				90
95	66.5	286.1	119,700	68.2	287.8	124,200				95
100	64.9	283.8	114,600	66.6	285.6	120,600	68.2	287.0	124,000	100
105	63.3	281.3	109,600	65.0	283.3	115,300	66.6	284.8	120,900	105
110	61.6	278.6	104,900	63.4	280.8	110,300	65.0	282.5	115,500	110
115	60.0	275.7	100,500	61.7	278.1	105,600	63.4	280.0	109,800	115
120	58.3	272.6	96,300	60.0	275.2	101,100	61.8	277.3	104,700	120
125	56.5	269.3	92,400	58.3	272.1	97,000	60.1	274.4	100,100	125
130	54.7	265.8	88,800	56.6	268.8	93,000	58.4	271.3	95,800	130
135	52.9	262.0	85,300	54.8	265.3	89,300	56.6	268.0	91,900	135
140	51.0	258.0	82,100	53.0	261.5	85,900	54.9	264.5	88,300	140
145	49.1	253.6	79,000	51.1	257.5	82,600	53.0	260.8	84,900	145
150	47.1	249.0	76,100	49.2	253.2	79,500	51.2	256.8	81,800	150
155	45.1	244.1	73,400	47.2	248.6	76,600	49.3	252.5	78,900	155
160	43.0	238.8	70,800	45.2	243.7	73,800	47.3	247.9	76,300	160
165	40.7	233.0	68,300	43.0	238.4	71,200	45.2	243.0	73,700	165
170	38.4	226.8	66,000	40.8	232.6	68,700	43.1	237.7	71,000	170
175	36.0	220.0	63,800	38.5	226.4	66,400	40.9	232.0	68,100	175
180	33.4	212.5	61,600	36.1	219.7	64,100	38.6	225.8	65,500	180
185	30.5	204.3	58,600	33.5	212.2	61,900	36.1	219.0	62,900	185
190	27.5	194.9	55,800	30.7	204.0	59,900	33.5	211.6	60,500	190
195	24.0	184.1	53,000	27.6	194.7	58,000	30.7	203.4	58,300	195
200	20.0	171.2	47,700	24.1	184.0	56,000	27.7	194.1	56,100	200
205	14.9	154.4	41,900	20.1	171.2	50,500	24.3	183.5	54,000	205
210	6.2	125.2	34,600	15.1	154.6	44,600	20.3	170.7	52,000	210
215				6.8	126.6	37,200	15.3	154.3	47,300	215
220							7.2	127.2	39,800	220
225										225
230										230
235										235
240										240
245										245



474,400 lb

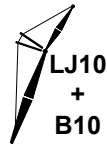


98.4 ft



196.9 ft

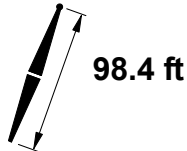
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.9	277.1	99,500							125
130	61.3	274.4	95,200							130
135	59.6	271.4	91,300							135
140	57.8	268.3	87,700							140
145	56.1	264.9	84,300	59.0	267.6	80,500				145
150	54.3	261.3	80,500	57.2	264.4	76,800				150
155	52.5	257.5	77,000	55.5	260.9	73,500				155
160	50.6	253.4	73,800	53.7	257.3	70,300				160
165	48.7	249.0	70,700	51.8	253.3	67,400				165
170	46.7	244.4	67,800	49.9	249.1	64,600	52.9	252.2	61,300	170
175	44.6	239.3	65,100	48.0	244.7	61,900	51.1	248.2	58,800	175
180	42.4	233.9	62,500	46.0	239.9	59,500	49.1	243.9	56,400	180
185	40.2	228.1	60,000	43.9	234.7	57,100	47.2	239.3	54,200	185
190	37.9	221.7	57,700	41.7	229.1	54,900	45.1	234.3	52,000	190
195	35.4	214.8	55,500	39.4	223.1	52,800	43.0	229.0	50,000	195
200	32.7	207.1	53,400	37.0	216.6	50,800	40.8	223.3	48,100	200
205	29.8	198.6	51,400	34.5	209.4	48,800	38.5	217.0	46,200	205
210	26.7	189.0	49,500	31.7	201.5	47,000	36.0	210.3	44,500	210
215	23.1	177.8	47,700	28.8	192.6	45,300	33.4	202.8	42,800	215
220	18.9	164.2	45,900	25.5	182.5	43,600	30.6	194.5	41,200	220
225	13.4	145.9	44,200	21.7	170.6	41,900	27.5	185.2	39,600	225
230				17.2	155.8	40,400	24.0	174.5	38,100	230
235				10.8	134.4	38,800	20.0	161.6	36,700	235
240							14.9	144.9	35,300	240
245							6.5	116.2	33,800	245



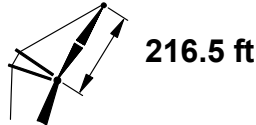
474,400 lb



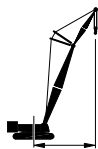
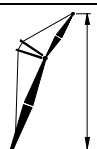
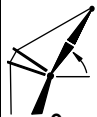
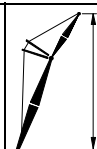
360°



98.4 ft

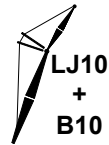


216.5 ft

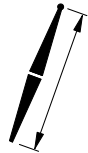
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
75	74.4	314.5	111,600							75
80	73.0	312.9	110,600							80
85	71.6	311.3	109,600							85
90	70.2	309.5	108,500	71.7	310.7	107,500				90
95	68.8	307.5	107,500	70.3	308.9	106,700				95
100	67.4	305.4	106,500	68.8	307.0	105,800				100
105	65.9	303.2	104,700	67.4	304.9	105,000	68.9	306.2	102,800	105
110	64.4	300.8	100,700	66.0	302.7	104,200	67.5	304.1	102,300	110
115	63.0	298.2	96,600	64.5	300.3	101,500	66.0	301.9	101,700	115
120	61.4	295.5	92,800	63.0	297.7	97,400	64.5	299.5	101,100	120
125	59.9	292.6	89,200	61.5	295.0	93,500	63.1	296.9	97,900	125
130	58.4	289.6	85,600	60.0	292.1	89,800	61.6	294.2	93,900	130
135	56.8	286.3	82,400	58.4	289.1	86,300	60.0	291.4	90,300	135
140	55.2	282.8	79,300	56.8	285.8	83,000	58.5	288.3	86,800	140
145	53.5	279.1	76,400	55.2	282.3	79,900	56.9	285.0	83,400	145
150	51.8	275.2	73,600	53.6	278.7	76,900	55.3	281.6	80,400	150
155	50.1	271.1	70,900	51.9	274.8	74,100	53.6	277.9	77,300	155
160	48.4	266.6	68,500	50.2	270.6	71,500	52.0	274.0	74,500	160
165	46.5	261.9	66,000	48.4	266.2	68,900	50.3	269.9	71,800	165
170	44.7	256.9	63,800	46.6	261.5	66,500	48.5	265.5	69,300	170
175	42.7	251.5	61,700	44.7	256.5	64,200	46.7	260.8	66,700	175
180	40.7	245.8	59,600	42.8	251.1	62,000	44.8	255.8	64,100	180
185	38.6	239.6	57,700	40.8	245.4	60,000	42.9	250.4	61,600	185
190	36.4	232.9	55,800	38.7	239.2	57,900	40.9	244.7	59,200	190
195	34.1	225.6	54,000	36.5	232.5	56,100	38.8	238.5	56,900	195
200	31.6	217.6	52,200	34.1	225.3	54,300	36.6	231.9	54,800	200
205	28.9	208.7	49,900	31.7	217.3	52,500	34.2	224.6	52,700	205
210	25.9	198.8	47,500	29.0	208.5	50,900	31.7	216.7	50,800	210
215	22.6	187.3	43,500	26.0	198.6	49,300	29.1	207.9	48,900	215
220	18.7	173.5	39,000	22.7	187.2	46,100	26.1	198.0	47,100	220
225	13.8	155.4	34,000	18.9	173.5	41,400	22.9	186.7	45,400	225
230	4.9	122.2	27,400	14.0	155.7	36,400	19.0	173.1	43,700	230
235				5.5	124.2	29,800	14.2	155.5	38,700	235
240							6.0	125.1	32,200	240
245										245
250										250
255										255
260										260
265										265

MLC300 S-3

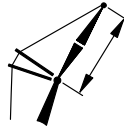
ASME B30.5



474,400 lb

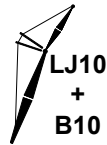


98.4 ft



216.5 ft

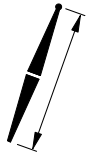
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.6	294.1	91,000							135
140	61.1	291.3	86,700							140
145	59.6	288.4	82,700							145
150	58.0	285.3	78,900							150
155	56.4	281.9	75,500							155
160	54.8	278.4	72,200	57.4	281.3	68,700				160
165	53.1	274.7	69,100	55.8	277.9	65,700				165
170	51.4	270.7	66,300	54.2	274.4	62,900				170
175	49.7	266.5	63,500	52.6	270.5	60,300				175
180	47.9	262.0	61,000	50.9	266.5	57,900	53.6	269.3	54,700	180
185	46.1	257.2	58,600	49.1	262.2	55,500	51.9	265.4	52,500	185
190	44.2	252.1	56,300	47.3	257.6	53,300	50.2	261.3	50,400	190
195	42.3	246.7	54,100	45.5	252.7	51,200	48.4	256.9	48,300	195
200	40.2	240.8	52,000	43.5	247.5	49,200	46.6	252.1	46,400	200
205	38.1	234.5	50,000	41.6	241.9	47,300	44.7	247.1	44,600	205
210	35.9	227.7	48,200	39.5	235.9	45,500	42.8	241.8	42,900	210
215	33.5	220.2	46,400	37.3	229.4	43,800	40.7	236.0	41,200	215
220	30.9	212.1	44,600	35.0	222.4	42,100	38.6	229.8	39,600	220
225	28.2	203.0	43,000	32.6	214.7	40,600	36.4	223.1	38,100	225
230	25.2	192.7	41,400	30.0	206.2	39,100	34.1	215.9	36,700	230
235	21.8	180.8	39,900	27.2	196.8	37,600	31.6	207.9	35,300	235
240	17.7	166.2	38,400	24.0	186.0	36,200	28.9	199.0	33,900	240
245	12.3	146.5	36,900	20.4	173.3	34,800	26.0	189.1	32,600	245
250				16.0	157.4	33,500	22.7	177.6	31,400	250
255				9.7	134.1	32,100	18.8	163.9	30,100	255
260							13.8	145.9	28,900	260
265							5.1	113.4	27,600	265



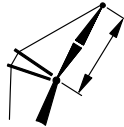
474,400 lb



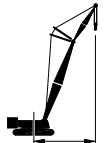
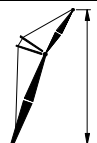
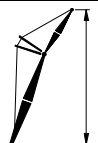
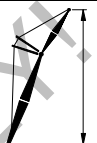
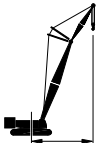
360°

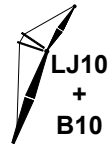


98.4 ft

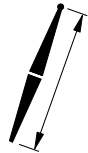


236.2 ft

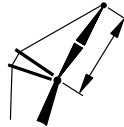
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.5	333.5	91,300							80
85	73.2	332.0	90,400							85
90	71.9	330.4	89,400							90
95	70.6	328.6	88,400	72.0	329.8	87,800				95
100	69.3	326.7	87,400	70.7	328.1	87,000				100
105	68.0	324.7	86,500	69.4	326.2	86,200				105
110	66.7	322.5	85,500	68.1	324.2	85,400				110
115	65.4	320.2	84,600	66.8	322.0	84,500	68.1	323.4	83,300	115
120	64.0	317.8	83,700	65.4	319.7	83,700	66.8	321.2	82,600	120
125	62.7	315.2	82,800	64.1	317.3	82,900	65.5	318.9	82,000	125
130	61.3	312.5	81,500	62.7	314.7	82,200	64.1	316.5	81,400	130
135	59.9	309.6	79,200	61.3	312.0	81,400	62.8	313.9	80,700	135
140	58.5	306.5	76,600	59.9	309.1	80,200	61.4	311.2	80,100	140
145	57.0	303.3	73,800	58.5	306.0	77,200	60.0	308.3	79,500	145
150	55.5	299.9	71,200	57.1	302.8	74,500	58.6	305.3	77,700	150
155	54.0	296.2	68,600	55.6	299.4	71,800	57.1	302.0	74,900	155
160	52.5	292.4	66,200	54.1	295.8	69,200	55.6	298.6	72,200	160
165	51.0	288.4	63,900	52.6	292.0	66,700	54.2	295.0	69,700	165
170	49.4	284.1	61,800	51.0	287.9	64,500	52.6	291.2	67,200	170
175	47.7	279.6	59,700	49.4	283.7	62,200	51.1	287.2	64,900	175
180	46.0	274.8	57,700	47.8	279.1	60,200	49.5	282.9	62,600	180
185	44.3	269.7	55,800	46.1	274.4	58,100	47.8	278.4	60,400	185
190	42.5	264.3	53,900	44.4	269.3	56,100	46.2	273.6	58,000	190
195	40.7	258.5	52,000	42.6	263.9	54,300	44.4	268.6	55,700	195
200	38.8	252.3	49,900	40.8	258.1	52,600	42.7	263.2	53,600	200
205	36.7	245.7	47,600	38.8	252.0	50,900	40.8	257.4	51,600	205
210	34.6	238.6	45,500	36.8	245.4	48,700	38.9	251.3	49,600	210
215	32.4	230.8	43,400	34.7	238.3	46,500	36.9	244.7	47,800	215
220	30.0	222.3	41,300	32.5	230.5	44,300	34.8	237.6	46,000	220
225	27.4	212.9	39,400	30.1	222.1	42,300	32.6	229.9	44,300	225
230	24.6	202.4	37,500	27.5	212.7	40,300	30.2	221.5	42,700	230
235	21.4	190.2	35,600	24.7	202.2	38,300	27.6	212.2	41,100	235
240	17.6	175.5	31,800	21.5	190.1	36,500	24.8	201.7	39,200	240
245	12.8	156.2	27,500	17.8	175.5	33,900	21.6	189.6	37,200	245
250	3.3	117.4	21,500	13.0	156.5	29,600	17.9	175.2	35,400	250
255				4.2	120.5	23,700	13.2	156.3	31,700	255
260							4.8	122.0	25,900	260
265										265
270										270
275										275
280										280
285										285



474,400 lb

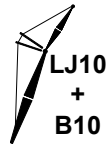


98.4 ft



236.2 ft

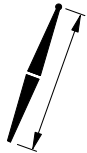
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.7	313.7	77,000							140
145	62.3	311.0	76,700							145
150	61.0	308.3	76,300							150
155	59.5	305.3	74,100							155
160	58.1	302.2	70,900							160
165	56.7	298.9	67,800							165
170	55.2	295.5	65,000	57.6	298.3	61,600				170
175	53.7	291.8	62,300	56.2	295.0	59,000				175
180	52.2	287.9	59,700	54.7	291.4	56,500				180
185	50.6	283.8	57,300	53.2	287.7	54,200				185
190	49.0	279.5	55,000	51.6	283.7	52,000				190
195	47.3	274.9	52,800	50.0	279.6	49,900	52.5	282.6	47,000	195
200	45.6	270.1	50,800	48.4	275.2	47,900	51.0	278.6	45,100	200
205	43.9	264.9	48,800	46.8	270.5	46,100	49.4	274.3	43,300	205
210	42.1	259.4	47,000	45.0	265.5	44,300	47.8	269.8	41,500	210
215	40.2	253.5	45,200	43.3	260.2	42,500	46.1	265.0	39,900	215
220	38.3	247.3	43,500	41.5	254.6	40,900	44.3	259.9	38,300	220
225	36.3	240.5	41,900	39.6	248.6	39,300	42.6	254.5	36,800	225
230	34.1	233.3	40,300	37.6	242.2	37,900	40.7	248.8	35,400	230
235	31.8	225.4	38,800	35.5	235.3	36,400	38.8	242.6	34,000	235
240	29.4	216.7	37,400	33.3	227.8	35,000	36.8	236.0	32,700	240
245	26.8	207.0	36,000	31.0	219.6	33,700	34.7	228.8	31,400	245
250	23.9	196.1	34,600	28.5	210.6	32,400	32.4	221.1	30,200	250
255	20.6	183.5	33,300	25.8	200.6	31,200	30.0	212.6	29,000	255
260	16.6	168.0	32,100	22.8	189.2	30,000	27.5	203.2	27,900	260
265	11.3	146.8	30,800	19.3	175.7	28,800	24.6	192.7	26,800	265
270				15.0	158.7	27,700	21.4	180.5	25,700	270
275				8.7	133.5	26,500	17.7	165.9	24,600	275
280							12.9	146.7	23,600	280
285							3.7	109.1	22,500	285



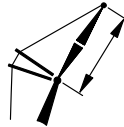
474,400 lb



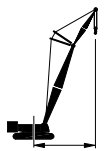
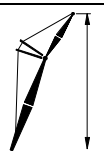
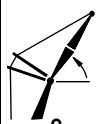
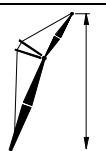
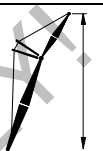
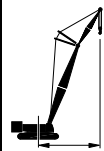
360°



98.4 ft



255.9 ft

	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
85	74.5	352.6	75,400							85
90	73.4	351.1	74,500							90
95	72.2	349.5	73,500							95
100	71.0	347.7	72,600							100
105	69.8	345.9	71,700	71.0	347.2	71,500				105
110	68.6	343.9	70,800	69.9	345.4	70,700				110
115	67.4	341.8	69,800	68.7	343.4	69,900				115
120	66.2	339.6	69,000	67.4	341.3	69,100	68.7	342.6	68,300	120
125	64.9	337.3	68,100	66.2	339.1	68,300	67.5	340.5	67,700	125
130	63.7	334.8	67,200	65.0	336.8	67,500	66.3	338.3	67,000	130
135	62.4	332.2	66,400	63.7	334.3	66,700	65.0	336.0	66,300	135
140	61.1	329.4	65,600	62.5	331.7	66,000	63.8	333.5	65,700	140
145	59.8	326.5	64,900	61.2	328.9	65,200	62.5	330.9	65,000	145
150	58.5	323.5	64,100	59.9	326.0	64,500	61.2	328.2	64,400	150
155	57.2	320.3	63,400	58.6	323.0	63,800	59.9	325.3	63,700	155
160	55.9	316.9	62,700	57.3	319.8	63,200	58.6	322.2	63,100	160
165	54.5	313.3	61,400	55.9	316.4	62,500	57.3	319.0	62,500	165
170	53.1	309.6	59,300	54.5	312.9	61,900	56.0	315.6	61,900	170
175	51.7	305.6	57,300	53.1	309.1	59,900	54.6	312.1	61,400	175
180	50.2	301.5	55,400	51.7	305.2	57,800	53.2	308.4	60,300	180
185	48.7	297.1	53,600	50.3	301.0	55,900	51.8	304.4	58,200	185
190	47.2	292.5	51,800	48.8	296.7	54,100	50.3	300.3	56,300	190
195	45.6	287.6	49,600	47.3	292.1	52,300	48.8	295.9	54,300	195
200	44.0	282.5	47,400	45.7	287.2	50,600	47.3	291.3	52,200	200
205	42.4	277.0	45,200	44.1	282.1	48,500	45.7	286.5	50,100	205
210	40.7	271.3	43,000	42.4	276.6	46,300	44.1	281.4	48,200	210
215	38.9	265.1	40,900	40.7	270.9	44,100	42.5	275.9	46,400	215
220	37.0	258.5	38,800	39.0	264.7	41,900	40.8	270.2	44,600	220
225	35.1	251.5	36,700	37.1	258.2	39,700	39.0	264.1	42,700	225
230	33.1	244.0	34,700	35.2	251.2	37,600	37.2	257.5	40,600	230
235	30.9	235.7	32,700	33.2	243.7	35,600	35.2	250.5	38,400	235
240	28.6	226.8	30,800	31.0	235.5	33,500	33.2	243.0	36,300	240
245	26.1	216.9	28,900	28.7	226.5	31,500	31.1	234.9	34,300	245
250	23.4	205.7	27,200	26.2	216.7	29,700	28.8	226.0	32,200	250
255	20.3	192.8	25,400	23.5	205.6	27,800	26.3	216.1	30,300	255
260	16.6	177.3	23,700	20.4	192.8	26,000	23.6	205.0	28,400	260
265	11.9	156.7	21,500	16.8	177.3	24,300	20.5	192.3	26,600	265
270				12.1	157.0	22,800	16.9	177.0	24,900	270
275				2.4	114.1	18,000	12.3	156.9	23,300	275
280							3.3	117.2	20,000	280
285										285
290										290
295										295
300										300



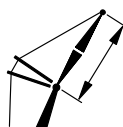
474,400 lb



360°

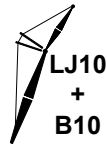


98.4 ft

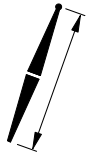


255.9 ft

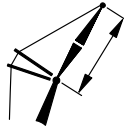
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.4	330.7	62,600							150
155	62.1	328.0	62,200							155
160	60.8	325.2	61,700							160
165	59.5	322.3	61,300							165
170	58.2	319.2	60,900							170
175	56.9	315.9	60,400							175
180	55.5	312.5	58,100	57.8	315.3	54,900				180
185	54.2	308.9	55,700	56.4	312.0	52,500				185
190	52.7	305.1	53,500	55.1	308.5	50,400				190
195	51.3	301.1	51,300	53.7	304.8	48,300				195
200	49.9	296.9	49,300	52.3	301.0	46,300				200
205	48.4	292.5	47,300	50.8	296.9	44,500	53.1	299.8	41,600	205
210	46.8	287.8	45,500	49.3	292.6	42,700	51.7	295.8	39,900	210
215	45.3	282.9	43,700	47.8	288.1	41,000	50.2	291.7	38,300	215
220	43.6	277.7	42,000	46.3	283.3	39,400	48.7	287.3	36,700	220
225	42.0	272.2	40,400	44.7	278.3	37,800	47.2	282.7	35,200	225
230	40.2	266.3	38,800	43.1	273.0	36,300	45.7	277.9	33,800	230
235	38.5	260.1	37,400	41.4	267.4	34,900	44.0	272.7	32,400	235
240	36.6	253.4	35,900	39.6	261.4	33,500	42.4	267.3	31,100	240
245	34.6	246.2	34,600	37.8	255.0	32,200	40.7	261.5	29,900	245
250	32.6	238.5	33,300	35.9	248.2	31,000	38.9	255.4	28,700	250
255	30.4	230.2	32,000	33.9	240.8	29,700	37.1	248.8	27,500	255
260	28.1	221.0	30,800	31.8	232.9	28,600	35.1	241.8	26,400	260
265	25.5	210.8	29,600	29.6	224.3	27,500	33.1	234.2	25,300	265
270	22.7	199.3	28,400	27.2	214.8	26,400	31.0	226.0	24,200	270
275	19.5	185.9	27,000	24.6	204.2	25,300	28.7	217.1	23,200	275
280	15.7	169.5	25,300	21.6	192.1	24,300	26.2	207.2	22,300	280
285	10.5	146.8	23,700	18.3	177.8	23,300	23.4	196.0	21,300	285
290				14.1	159.9	22,300	20.4	183.2	20,400	290
295				7.8	132.4	21,200	16.7	167.7	19,500	295
300							12.0	147.2	18,500	300



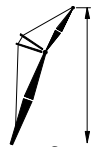
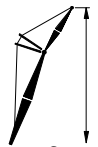
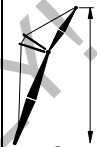
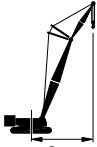
474,400 lb

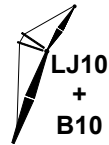


98.4 ft

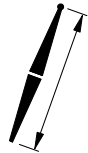


275.6 ft

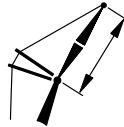
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.6	371.6	61,500							90
95	73.5	370.1	60,600							95
100	72.4	368.5	59,700							100
105	71.3	366.8	58,900							105
110	70.2	365.0	58,000	71.4	366.3	58,100				110
115	69.1	363.1	57,200	70.3	364.5	57,400				115
120	68.0	361.1	56,400	69.1	362.6	56,600				120
125	66.8	359.0	55,600	68.0	360.6	55,900				125
130	65.7	356.7	54,900	66.9	358.4	55,100	68.1	359.8	54,800	130
135	64.6	354.3	54,200	65.7	356.2	54,400	66.9	357.6	54,200	135
140	63.4	351.8	53,400	64.6	353.8	53,700	65.8	355.4	53,600	140
145	62.2	349.2	52,700	63.4	351.3	53,100	64.6	353.0	53,000	145
150	61.0	346.4	52,100	62.3	348.7	52,400	63.5	350.5	52,400	150
155	59.8	343.5	51,400	61.1	345.9	51,800	62.3	347.9	51,800	155
160	58.6	340.4	50,800	59.9	343.0	51,200	61.1	345.1	51,200	160
165	57.4	337.2	50,200	58.7	340.0	50,600	59.9	342.2	50,600	165
170	56.1	333.9	49,600	57.4	336.8	50,000	58.7	339.2	50,600	170
175	54.8	330.4	49,100	56.2	333.4	49,500	57.5	336.0	50,100	175
180	53.6	326.7	48,500	54.9	329.9	48,900	56.2	332.7	49,300	180
185	52.2	322.8	48,000	53.6	326.2	48,400	54.9	329.1	48,500	185
190	50.9	318.8	47,500	52.3	322.4	47,900	53.7	325.5	48,100	190
195	49.5	314.5	47,100	51.0	318.3	47,500	52.3	321.6	47,600	195
200	48.1	310.1	46,600	49.6	314.1	47,000	51.0	317.6	47,200	200
205	46.7	305.4	45,400	48.2	309.6	46,600	49.6	313.4	46,700	205
210	45.3	300.4	43,900	46.8	305.0	45,800	48.2	308.9	46,300	210
215	43.8	295.3	42,500	45.3	300.0	44,300	46.8	304.2	45,200	215
220	42.2	289.8	41,200	43.8	294.9	42,900	45.4	299.3	43,500	220
225	40.6	284.0	39,800	42.3	289.4	41,500	43.9	294.1	41,800	225
230	39.0	277.9	38,600	40.7	283.6	40,200	42.3	288.7	40,200	230
235	37.3	271.4	37,400	39.1	277.5	39,000	40.7	282.9	38,700	235
240	35.5	264.4	36,200	37.4	271.0	37,700	39.1	276.8	37,200	240
245	33.6	257.0	35,100	35.6	264.1	36,500	37.4	270.4	35,800	245
250	31.7	249.0	34,000	33.7	256.7	35,400	35.6	263.5	34,500	250
255	29.6	240.4	33,000	31.8	248.8	34,300	33.8	256.1	33,200	255
260	27.4	231.0	31,400	29.7	240.1	33,200	31.8	248.1	31,900	260
265	25.0	220.5	28,700	27.5	230.7	32,000	29.8	239.6	30,700	265
270	22.3	208.8	25,900	25.1	220.4	30,800	27.6	230.2	29,500	270
275	19.3	195.2	23,100	22.4	208.7	27,900	25.2	219.8	28,400	275
280	15.8	178.8	20,100	19.5	195.2	25,000	22.5	208.2	27,300	280
285	11.1	156.9	16,700	15.9	178.9	21,900	19.6	194.8	26,200	285
290				11.3	157.3	18,500	16.0	178.6	23,800	290
295							11.5	157.3	20,300	295
300										300
305										305
310										310
315										315
320										320



474,400 lb

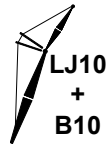


98.4 ft

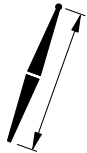


275.6 ft

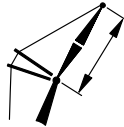
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.1	347.7	50,200							160
165	61.9	345.0	49,800							165
170	60.7	342.2	49,400							170
175	59.5	339.2	48,900							175
180	58.3	336.2	48,500							180
185	57.1	332.9	48,100							185
190	55.8	329.5	47,700	57.9	332.3	46,200				190
195	54.5	326.0	47,300	56.6	329.0	45,900				195
200	53.3	322.3	46,900	55.4	325.5	45,100				200
205	51.9	318.4	46,100	54.1	321.9	43,200				205
210	50.6	314.3	44,300	52.8	318.1	41,400				210
215	49.2	310.0	42,500	51.5	314.2	39,700	53.6	316.9	37,000	215
220	47.8	305.4	40,800	50.1	310.0	38,100	52.3	313.1	35,400	220
225	46.4	300.7	39,200	48.7	305.6	36,600	50.9	309.0	33,900	225
230	44.9	295.7	37,700	47.3	301.0	35,100	49.6	304.8	32,500	230
235	43.4	290.5	36,200	45.9	296.2	33,700	48.2	300.3	31,200	235
240	41.9	284.9	34,800	44.4	291.1	32,300	46.7	295.6	29,900	240
245	40.3	279.0	33,400	42.9	285.8	31,000	45.3	290.7	28,600	245
250	38.6	272.8	32,100	41.3	280.1	29,800	43.8	285.5	27,400	250
255	36.9	266.2	30,900	39.7	274.1	28,600	42.2	280.0	26,300	255
260	35.1	259.2	29,700	38.0	267.8	27,400	40.7	274.2	25,200	260
265	33.2	251.7	28,500	36.3	261.0	26,300	39.0	268.1	24,100	265
270	31.2	243.5	27,400	34.4	253.8	25,200	37.3	261.6	23,100	270
275	29.1	234.7	26,300	32.5	246.1	24,200	35.5	254.7	22,100	275
280	26.8	225.1	25,300	30.5	237.8	23,200	33.7	247.3	21,100	280
285	24.4	214.4	24,200	28.3	228.7	22,200	31.7	239.3	20,200	285
290	21.7	202.3	23,300	26.0	218.7	21,300	29.6	230.7	19,300	290
295	18.6	188.1	22,300	23.5	207.5	20,400	27.4	221.3	18,400	295
300	14.8	170.8	21,300	20.6	194.8	19,500	25.0	210.9	17,600	300
305	9.7	146.5	20,400	17.3	179.8	18,600	22.4	199.1	16,700	305
310				13.3	160.7	17,700	19.4	185.6	15,900	310
315				7.0	130.9	16,800	15.8	169.3	15,100	315
320							11.2	147.4	14,300	320



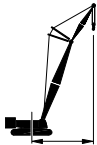
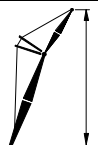
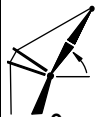
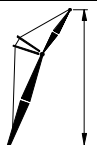
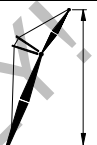
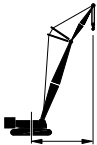
474,400 lb



98.4 ft



295.3 ft

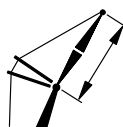
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.6	390.6	51,100							95
100	73.6	389.2	50,300							100
105	72.6	387.6	49,500							105
110	71.6	385.9	48,700							110
115	70.6	384.2	47,900	71.6	385.4	48,100				115
120	69.5	382.3	47,200	70.6	383.6	47,400				120
125	68.5	380.3	46,500	69.6	381.8	46,700				125
130	67.4	378.2	45,800	68.5	379.8	46,000				130
135	66.4	376.0	45,100	67.5	377.7	45,400	68.5	379.0	45,300	135
140	65.3	373.7	44,400	66.4	375.5	44,700	67.5	376.9	44,700	140
145	64.2	371.3	43,800	65.3	373.2	44,700	66.4	374.7	44,100	145
150	63.1	368.8	43,100	64.3	370.8	43,500	65.4	372.4	43,500	150
155	62.0	366.1	42,500	63.2	368.3	42,900	64.3	370.0	43,000	155
160	60.9	363.4	42,300	62.1	365.6	42,300	63.2	367.5	42,400	160
165	59.8	360.4	41,400	61.0	362.9	41,800	62.1	364.8	41,900	165
170	58.7	357.4	40,800	59.8	360.0	41,200	61.0	362.1	41,400	170
175	57.5	354.2	40,300	58.7	356.9	40,700	59.9	359.2	40,900	175
180	56.3	350.9	39,800	57.6	353.7	40,200	58.7	356.1	40,400	180
185	55.2	347.4	39,300	56.4	350.4	39,700	57.6	353.0	39,900	185
190	54.0	343.8	38,900	55.2	347.0	39,300	56.4	349.7	39,400	190
195	52.8	340.0	38,400	54.0	343.3	38,800	55.3	346.2	39,000	195
200	51.5	336.0	38,000	52.8	339.5	38,400	54.1	342.6	38,500	200
205	50.3	331.9	37,600	51.6	335.6	37,900	52.8	338.8	38,100	205
210	49.0	327.6	37,200	50.3	331.4	37,500	51.6	334.8	37,700	210
215	47.7	323.0	36,800	49.0	327.1	37,100	50.3	330.7	37,300	215
220	46.3	318.3	36,500	47.7	322.6	36,800	49.1	326.4	36,900	220
225	44.9	313.3	36,100	46.4	317.8	36,400	47.8	321.9	36,600	225
230	43.5	308.0	35,800	45.0	312.9	36,100	46.4	317.1	36,200	230
235	42.1	302.5	35,500	43.6	307.6	35,800	45.0	312.1	35,900	235
240	40.6	296.7	34,400	42.2	302.1	35,400	43.6	306.9	35,600	240
245	39.1	290.6	33,300	40.7	296.4	34,700	42.2	301.4	34,400	245
250	37.5	284.2	32,200	39.1	290.3	33,600	40.7	295.7	33,100	250
255	35.9	277.3	31,200	37.6	283.8	32,500	39.2	289.6	31,800	255
260	34.1	270.0	30,200	35.9	277.0	31,500	37.6	283.2	30,500	260
265	32.3	262.2	29,300	34.2	269.7	30,500	36.0	276.3	29,300	265
270	30.4	253.9	28,400	32.4	262.0	29,500	34.3	269.1	28,200	270
275	28.4	244.8	27,500	30.5	253.6	28,300	32.5	261.3	27,100	275
280	26.3	234.9	25,100	28.5	244.6	27,200	30.6	253.0	26,000	280
285	24.0	224.0	22,600	26.4	234.7	26,200	28.6	244.0	24,900	285
290	21.4	211.7	20,200	24.1	223.8	24,600	26.4	234.2	23,900	290
295	18.5	197.4	17,700	21.5	211.6	22,100	24.1	223.3	22,900	295
300	15.0	180.2	15,000	18.6	197.4	19,500	21.6	211.1	22,000	300
305	10.3	156.9	12,000	15.1	180.3	16,700	18.7	197.1	21,000	305
310				10.6	157.4	13,700	15.2	180.1	18,500	310
315							10.7	157.4	15,300	315
320										320
325										325
330										330
335										335



474,400 lb

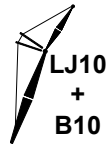


98.4 ft



295.3 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	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	64.0	367.2	41,300							165
170	62.9	364.6	40,900							170
175	61.8	362.0	40,400							175
180	60.7	359.1	40,000							180
185	59.5	356.2	39,600							185
190	58.4	353.1	39,100							190
195	57.2	349.9	38,700							195
200	56.1	346.6	38,300	58.0	349.2	37,400				200
205	54.9	343.0	38,000	56.8	346.0	37,100				205
210	53.7	339.4	37,600	55.7	342.6	36,800				210
215	52.5	335.5	37,200	54.5	339.0	36,500				215
220	51.2	331.5	36,800	53.3	335.3	36,200				220
225	50.0	327.3	36,500	52.0	331.4	35,000	54.0	334.0	32,300	225
230	48.7	323.0	36,200	50.8	327.3	33,500	52.8	330.2	30,900	230
235	47.3	318.4	34,700	49.5	323.0	32,100	51.5	326.3	29,500	235
240	46.0	313.6	33,300	48.2	318.6	30,800	50.3	322.1	28,200	240
245	44.6	308.5	31,900	46.9	313.9	29,500	49.0	317.8	27,000	245
250	43.2	303.2	30,700	45.5	309.0	28,200	47.7	313.2	25,800	250
255	41.8	297.7	29,400	44.1	303.9	27,000	46.3	308.5	24,700	255
260	40.3	291.8	28,200	42.7	298.5	25,900	45.0	303.5	23,600	260
265	38.7	285.6	27,100	41.2	292.9	24,800	43.6	298.3	22,500	265
270	37.1	279.1	26,000	39.7	286.9	23,700	42.1	292.8	21,500	270
275	35.5	272.1	24,900	38.2	280.6	22,700	40.6	287.0	20,500	275
280	33.7	264.7	23,900	36.5	273.9	21,700	39.1	280.9	19,600	280
285	31.9	256.8	22,800	34.9	266.8	20,700	37.5	274.4	18,600	285
290	30.0	248.3	21,900	33.1	259.2	19,800	35.9	267.6	17,800	290
295	28.0	239.0	20,900	31.3	251.1	18,900	34.2	260.3	16,900	295
300	25.8	228.9	20,000	29.3	242.3	18,000	32.4	252.5	16,100	300
305	23.4	217.7	19,100	27.2	232.8	17,200	30.5	244.2	15,300	305
310	20.7	205.0	18,300	25.0	222.4	16,400	28.5	235.1	14,500	310
315	17.7	190.2	17,400	22.5	210.7	15,600	26.3	225.2	13,700	315
320	14.0	171.9	16,600	19.7	197.3	14,800	24.0	214.3	13,000	320
325	8.9	146.0	15,700	16.5	181.5	14,000	21.4	202.0	12,200	325
330				12.5	161.4	13,200	18.5	187.8	11,500	330
335				6.1	128.9	12,400				335



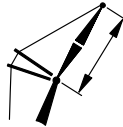
474,400 lb



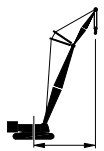
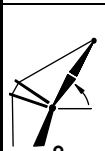
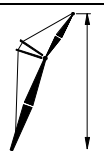
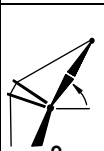
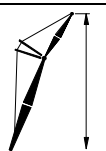
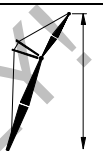
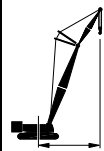
360°



98.4 ft



315.0 ft

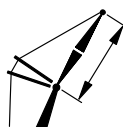
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.7	409.7	42,300							100
105	73.7	408.2	41,600							105
110	72.8	406.7	40,800							110
115	71.8	405.0	40,100							115
120	70.9	403.3	39,400	71.9	404.5	39,700				120
125	69.9	401.5	38,700	70.9	402.8	39,400				125
130	68.9	399.5	38,000	69.9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



474,400 lb

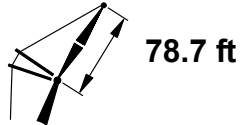
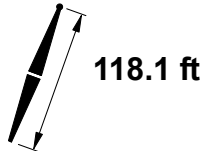
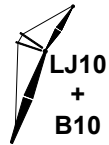


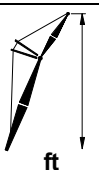
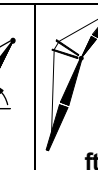
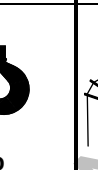
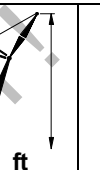
98.4 ft

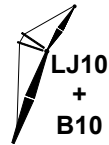


315.0 ft

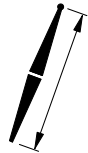
	75°			70°			65°			
			lb			lb			lb	
ft	ft	ft		ft	ft		ft	ft		ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175	63.7	384.2	33,200							175
180	62.7	381.6	32,800							180
185	61.6	378.9	32,400							185
190	60.6	376.1	32,000							190
195	59.5	373.2	31,600							195
200	58.5	370.1	31,200							200
205	57.4	366.9	30,800							205
210	56.3	363.6	30,400	58.1	366.2	29,900				210
215	55.2	360.1	30,000	57.0	363.0	29,700				215
220	54.1	356.5	29,700	55.9	359.6	29,300				220
225	52.9	352.7	29,400	54.8	356.1	29,100				225
230	51.8	348.8	29,000	53.7	352.4	28,800				230
235	50.6	344.7	28,700	52.5	348.6	28,500				235
240	49.4	340.4	28,400	51.4	344.6	28,200	53.2	347.4	26,800	240
245	48.2	335.9	28,100	50.2	340.4	27,900	52.1	343.5	25,600	245
250	46.9	331.3	27,800	49.0	336.1	26,900	50.9	339.4	24,400	250
255	45.7	326.4	27,500	47.7	331.5	25,700	49.7	335.2	23,300	255
260	44.4	321.3	26,900	46.5	326.8	24,600	48.5	330.8	22,200	260
265	43.0	316.0	25,800	45.2	321.9	23,500	47.2	326.2	21,100	265
270	41.7	310.4	24,700	43.9	316.7	22,400	46.0	321.4	20,100	270
275	40.3	304.5	23,600	42.6	311.3	21,400	44.7	316.3	19,200	275
280	38.8	298.4	22,600	41.2	305.6	20,400	43.4	311.1	18,200	280
285	37.3	291.9	21,600	39.8	299.6	19,400	42.0	305.5	17,300	285
290	35.8	285.0	20,600	38.3	293.4	18,500	40.6	299.7	16,400	290
295	34.2	277.7	19,700	36.8	286.7	17,600	39.2	293.6	15,600	295
300	32.5	270.0	18,800	35.2	279.7	16,800	37.7	287.2	14,700	300
305	30.7	261.7	17,900	33.6	272.3	15,900	36.2	280.5	13,900	305
310	28.9	252.8	17,100	31.9	264.4	15,100	34.6	273.3	13,200	310
315	26.9	243.1	16,300	30.1	255.9	14,300	32.9	265.6	12,400	315
320	24.8	232.5	15,500	28.2	246.7	13,600	31.2	257.5	11,700	320
325	22.5	220.8	14,700	26.2	236.7	12,800	29.4	248.8	11,000	325
330	19.9	207.5	13,900	24.0	225.8	12,100				330
335	16.9	192.0	12,900	21.6	213.6	11,400				335



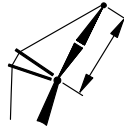
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
40	73.8	201.2	318,100 c							40
45	70.0	199.3	292,000 c							45
50	66.0	197.1	269,300 b							50
55	61.9	194.4	249,400							55
60	57.6	191.3	231,900							60
65	53.0	187.5	212,400							65
70	48.2	183.1	194,200							70
75	42.9	177.8	178,800							75
80	37.0	171.4	165,700							80
85	30.0	163.2	154,400							85
90	20.8	151.6	144,500							90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135



474,400 lb

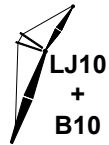


118.1 ft



78.7 ft

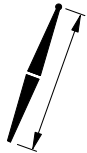
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75	64.0	191.7		176,100 b						75
80	59.8	188.8		163,200						80
85	55.4	185.3		152,100						85
90	50.7	181.3		142,400						90
95	45.6	176.5		133,800	55.3	182.0		132,900		95
100	40.1	170.7		126,200	50.6	177.9		125,400		100
105	33.7	163.5		119,400	45.5	173.1		118,600		105
110	25.9	154.0		113,300	40.0	167.2		112,600		110
115	14.0	138.5		107,800	33.6	160.0	50.2	173.3	111,800	115
120					25.7	150.5	45.1	168.4	106,400	120
125					13.7	134.7	39.4	162.5	101,400	125
130							33.0	155.2	96,900	130
135							24.9	145.3	92,100	135
							12.0	128.3	87,400	135



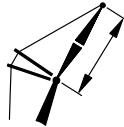
474,400 lb



360°

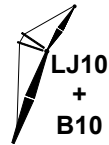


118.1 ft

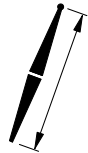


98.4 ft

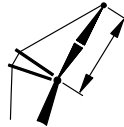
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	74.1	220.2	266,800 b							45
50	71.1	218.5	257,500 b							50
55	67.9	216.5	239,500	71.8	218.2	259,800 b				55
60	64.7	214.1	223,500	68.7	216.3	234,200				60
65	61.4	211.4	209,200	65.5	214.0	212,200				65
70	58.0	208.2	194,900	62.2	211.4	194,000	66.3	213.5	193,200	70
75	54.4	204.7	179,500	58.8	208.3	178,700	63.0	211.0	178,000	75
80	50.6	200.6	166,300	55.3	204.9	165,600	59.6	208.1	164,900	80
85	46.7	196.0	155,000	51.6	201.0	154,300	56.1	204.7	153,700	85
90	42.4	190.6	145,000	47.6	196.4	144,400	52.5	200.9	143,800	90
95	37.7	184.3	136,300	43.5	191.3	135,700	48.6	196.5	135,200	95
100	32.4	176.7	128,600	38.9	185.2	128,000	44.5	191.5	127,500	100
105	26.1	167.1	121,600	33.8	178.0	121,100	40.0	185.7	120,600	105
110	17.7	153.6	114,800	27.8	169.0	115,000	35.0	178.8	114,500	110
115				20.1	156.8	109,400	29.3	170.3	108,900	115
120				3.8	129.3	99,800	22.2	159.1	103,800	120
125							10.8	140.2	99,200	125
130										130
135										135
140										140
145										145
150										150
155										155



474,400 lb

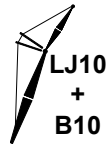


118.1 ft



98.4 ft

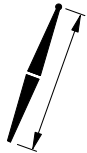
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	63.1	208.6	152,600							85
90	59.7	205.7	142,800							90
95	56.2	202.4	134,200							95
100	52.6	198.6	126,600							100
105	48.7	194.2	119,800	56.2	199.0	119,000				105
110	44.6	189.2	113,700	52.5	195.2	112,900				110
115	40.1	183.4	108,200	48.6	190.8	107,400				115
120	35.2	176.6	103,100	44.5	185.8	102,400	52.2	190.7	100,600	120
125	29.5	168.1	98,600	40.0	180.0	97,900	48.3	186.3	95,600	125
130	22.4	157.1	94,400	35.1	173.1	93,700	44.1	181.2	90,900	130
135	11.3	138.7	90,500	29.4	164.6	89,900	39.6	175.3	86,600	135
140				22.2	153.5	86,400	34.6	168.3	82,600	140
145				10.9	134.7	82,500	28.8	159.6	78,900	145
150							21.5	148.2	75,300	150
155							9.2	127.7	71,700	155



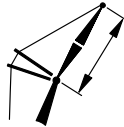
474,400 lb



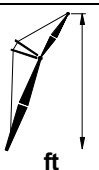
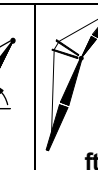
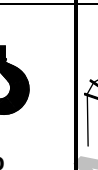
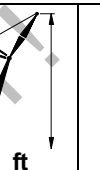
360°

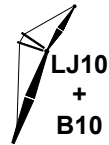


118.1 ft

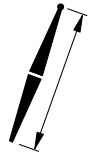


118.1 ft

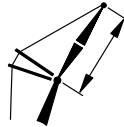
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	74.3	239.3	231,200	69.8	235.5	212,800	67.8	232.9	178,400	50
55	71.8	237.6	227,100	67.2	233.4	194,500	65.1	230.6	165,300	55
60	69.2	235.7	214,700	64.5	231.0	179,200	62.4	227.9	154,000	60
65	66.5	233.5	201,800	61.8	228.3	166,000	59.6	225.0	144,200	65
70	63.8	231.1	189,900	58.9	225.3	154,700	56.7	221.7	135,500	70
75	61.1	228.3	179,200	56.0	221.9	144,800	53.7	218.1	127,800	75
80	58.2	225.2	166,700	53.0	218.2	136,100	50.6	214.0	120,900	80
85	55.3	221.8	155,300	49.8	214.0	128,400	47.3	209.4	114,800	85
90	52.2	217.9	145,400	46.5	209.3	121,400	43.8	204.3	109,200	90
95	49.0	213.6	136,700	42.9	204.0	115,200	40.1	198.4	104,100	95
100	45.6	208.8	128,900	39.1	198.0	109,600	36.0	191.7	99,500	100
105	42.0	203.3	122,000	35.0	191.0	104,500	31.5	183.8	95,300	105
110	38.2	197.1	115,700	30.3	182.8	99,900	26.2	174.2	91,400	110
115	33.9	189.8	110,100	24.8	172.6	95,700	19.6	161.5	87,800	115
120	29.1	181.2	105,000	17.7	158.8	91,700	8.5	139.3	81,600	120
125	23.3	170.4	100,300							125
130	15.4	155.0	92,300							130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175



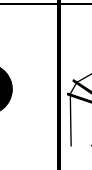
474,400 lb

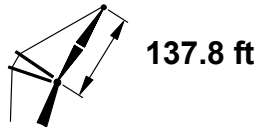
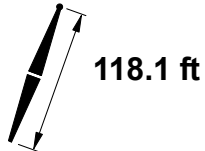
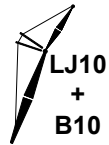


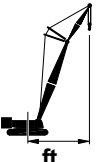
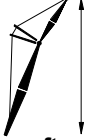
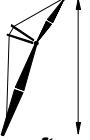
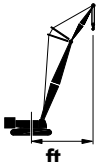
118.1 ft

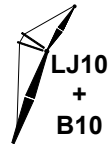


118.1 ft

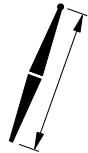
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	62.5	225.6	134,600							95
100	59.7	222.7	126,900							100
105	56.8	219.4	120,100							105
110	53.8	215.8	114,000							110
115	50.7	211.7	108,400	56.7	216.0	107,700				115
120	47.4	207.1	103,400	53.7	212.4	102,700				120
125	43.9	202.0	98,800	50.6	208.3	98,100				125
130	40.2	196.2	94,600	47.3	203.7	93,900	53.5	207.9	89,800	130
135	36.1	189.5	90,700	43.8	198.6	90,100	50.3	203.8	85,600	135
140	31.6	181.6	87,200	40.1	192.8	86,000	47.0	199.2	81,700	140
145	26.4	172.1	83,900	36.0	186.0	82,200	43.5	194.0	78,000	145
150	19.8	159.5	80,800	31.5	178.2	78,600	39.8	188.1	74,600	150
155	9.1	138.0	77,900	26.3	168.6	75,200	35.7	181.3	71,400	155
160				19.7	155.9	71,900	31.1	173.3	68,400	160
165				8.7	134.0	68,700	25.8	163.5	65,500	165
170							19.0	150.4	62,700	170
175							6.9	126.0	59,900	175



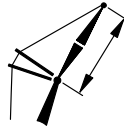
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
55	74.5	258.3	202,700							55
60	72.3	256.7	193,300							60
65	70.1	254.9	184,400							65
70	67.8	252.9	175,700	70.6	254.7	187,600				70
75	65.5	250.6	167,600	68.4	252.7	179,200				75
80	63.2	248.1	158,800	66.1	250.5	166,600	68.9	252.1	165,900	80
85	60.8	245.3	150,400	63.8	248.0	155,200	66.6	250.0	154,600	85
90	58.4	242.2	142,700	61.4	245.3	145,300	64.3	247.6	144,700	90
95	55.9	238.8	135,300	59.0	242.3	136,500	62.0	244.9	136,000	95
100	53.3	235.1	128,600	56.5	239.0	128,800	59.6	242.0	128,200	100
105	50.6	231.0	122,300	53.9	235.3	121,800	57.1	238.7	121,300	105
110	47.8	226.5	116,100	51.3	231.4	115,600	54.6	235.2	115,100	110
115	44.9	221.6	110,500	48.5	227.0	110,000	51.9	231.3	109,500	115
120	41.8	216.0	105,300	45.6	222.1	104,900	49.2	227.0	104,400	120
125	38.5	209.9	100,700	42.6	216.7	100,200	46.3	222.3	99,800	125
130	34.9	202.9	96,200	39.3	210.7	96,000	43.3	217.0	95,600	130
135	31.0	194.8	91,900	35.8	204.0	92,000	40.1	211.2	91,700	135
140	26.5	185.2	87,800	32.0	196.2	88,400	36.7	204.6	88,100	140
145	21.0	173.2	82,800	27.6	187.0	85,100	32.9	197.1	84,700	145
150	13.6	155.9	75,300	22.5	175.7	82,000	28.7	188.3	81,600	150
155				15.7	160.3	75,100	23.8	177.6	78,800	155
160							17.6	163.5	74,600	160
165							6.5	137.5	67,000	165
170										170
175										175
180										180
185										185
190										190
195										195



474,400 lb

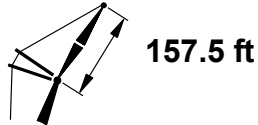
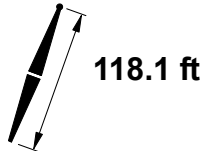
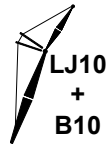


118.1 ft



137.8 ft

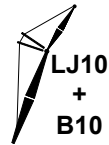
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.1	242.6	120,500							105
110	59.6	239.6	114,300							110
115	57.2	236.4	108,800							115
120	54.6	232.9	103,700							120
125	52.0	229.0	99,100	57.1	233.0	97,600				125
130	49.3	224.7	94,900	54.6	229.5	92,900				130
135	46.4	220.0	91,000	51.9	225.6	88,500				135
140	43.4	214.8	87,400	49.2	221.3	84,500				140
145	40.2	208.9	84,100	46.3	216.6	80,700	51.7	221.1	76,300	145
150	36.8	202.4	81,100	43.3	211.3	77,200	49.0	216.8	73,000	150
155	33.0	194.9	77,800	40.1	205.5	73,800	46.1	212.0	69,800	155
160	28.8	186.1	74,600	36.7	198.9	70,700	43.1	206.7	66,900	160
165	24.0	175.5	71,500	32.9	191.4	67,800	39.9	200.8	64,100	165
170	17.8	161.6	68,500	28.7	182.6	65,100	36.4	194.2	61,500	170
175	7.2	136.5	64,200	23.9	172.0	62,400	32.6	186.6	59,000	175
180				17.6	157.9	59,900	28.4	177.7	56,600	180
185				6.7	132.2	57,300	23.4	166.8	54,400	185
190							17.0	152.3	52,200	190
195							4.4	122.5	49,900	195



	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	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	145,700	71.2	273.8	154,700				75
80	66.8	270.0	139,400	69.3	271.9	148,200				80
85	64.8	267.6	133,200	67.3	269.8	142,000				85
90	62.8	265.0	127,100	65.3	267.5	136,000	67.8	269.3	143,600	90
95	60.7	262.2	121,200	63.3	265.0	129,900	65.8	267.0	136,400	95
100	58.5	259.2	115,500	61.2	262.2	123,800	63.7	264.6	128,600	100
105	56.4	255.8	110,000	59.1	259.2	118,100	61.7	261.9	121,700	105
110	54.1	252.2	104,700	56.9	256.0	112,500	59.6	258.9	115,500	110
115	51.8	248.3	99,800	54.7	252.4	107,100	57.4	255.7	109,900	115
120	49.4	244.1	94,900	52.4	248.6	102,000	55.2	252.3	104,800	120
125	46.9	239.4	90,400	50.0	244.4	97,100	52.9	248.5	100,100	125
130	44.3	234.4	86,100	47.5	239.9	92,500	50.6	244.4	95,900	130
135	41.6	228.8	82,000	45.0	234.9	88,000	48.1	240.0	91,900	135
140	38.7	222.6	78,200	42.3	229.5	83,900	45.6	235.1	88,300	140
145	35.6	215.8	74,600	39.5	223.5	80,000	42.9	229.8	85,000	145
150	32.3	208.1	71,200	36.4	216.8	76,300	40.1	223.9	81,600	150
155	28.6	199.2	67,900	33.2	209.4	72,700	37.2	217.4	77,900	155
160	24.4	188.7	64,800	29.5	200.8	69,400	33.9	210.2	74,200	160
165	19.2	175.5	62,000	25.5	190.8	66,300	30.4	201.9	70,800	165
170	12.0	156.3	59,200	20.6	178.4	63,300	26.5	192.3	67,600	170
175				14.1	161.4	60,500	21.9	180.6	64,600	175
180							15.9	165.0	61,400	180
185							4.5	134.1	55,000	185
190										190
195										195
200										200
205										205
210										210

MLC300 S-3

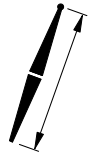
ASME B30.5



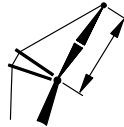
474,400 lb



360°

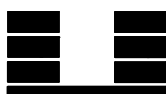


118.1 ft



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	114,700							110
115	61.7	259.5	109,100							115
120	59.6	256.6	104,000							120
125	57.5	253.4	99,400							125
130	55.3	249.9	95,200							130
135	53.0	246.2	91,300	57.4	250.0	86,600				135
140	50.6	242.1	87,200	55.2	246.6	82,600				140
145	48.2	237.7	83,300	52.9	242.8	78,800				145
150	45.7	232.8	79,600	50.6	238.7	75,300				150
155	43.0	227.5	76,200	48.2	234.3	72,100	52.7	238.3	67,900	155
160	40.2	221.7	73,000	45.6	229.4	69,000	50.4	234.2	65,000	160
165	37.2	215.2	70,000	43.0	224.1	66,100	47.9	229.7	62,200	165
170	34.0	208.0	67,100	40.2	218.3	63,400	45.4	224.8	59,700	170
175	30.5	199.7	64,500	37.2	211.8	60,800	42.7	219.5	57,200	175
180	26.6	190.1	61,900	34.0	204.5	58,400	39.9	213.6	54,900	180
185	22.0	178.5	59,400	30.5	196.2	56,100	36.9	207.0	52,700	185
190	16.1	163.2	57,100	26.5	186.6	53,900	33.7	199.7	50,600	190
195	5.3	133.8	52,900	21.9	175.0	51,800	30.1	191.3	48,700	195
200				16.0	159.5	49,700	26.2	181.6	46,800	200
205				4.8	129.1	47,600	21.5	169.7	44,900	205
210							15.4	153.7	43,100	210



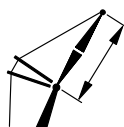
474,400 lb



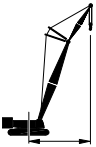
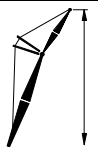
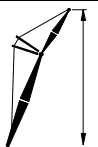
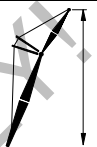
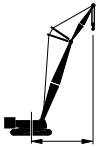
360°

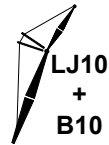


118.1 ft

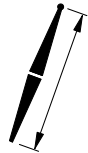


177.2 ft

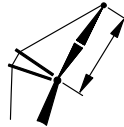
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
65	74.7	296.4	148,700							65
70	73.0	294.9	143,500							70
75	71.3	293.2	137,900							75
80	69.5	291.3	132,100	71.7	292.9	139,900				80
85	67.8	289.3	126,500	70.0	291.1	134,200				85
90	66.0	287.0	121,100	68.2	289.1	128,700				90
95	64.2	284.6	115,900	66.4	286.9	123,400	68.6	288.5	130,000	95
100	62.4	282.0	110,900	64.7	284.5	118,300	66.9	286.4	124,900	100
105	60.5	279.2	106,200	62.8	281.9	113,300	65.1	284.1	119,800	105
110	58.6	276.1	101,500	61.0	279.2	108,500	63.3	281.5	115,000	110
115	56.7	272.9	97,000	59.1	276.2	103,800	61.4	278.8	110,200	115
120	54.7	269.3	92,700	57.2	273.0	99,200	59.6	275.9	105,100	120
125	52.7	265.5	88,600	55.2	269.5	94,900	57.6	272.7	100,400	125
130	50.6	261.4	84,600	53.2	265.8	90,700	55.7	269.3	96,100	130
135	48.5	257.0	80,800	51.1	261.8	86,600	53.7	265.6	92,200	135
140	46.2	252.3	77,100	49.0	257.4	82,700	51.6	261.7	88,300	140
145	43.9	247.1	73,700	46.8	252.8	79,000	49.5	257.5	84,300	145
150	41.5	241.5	70,400	44.5	247.7	75,300	47.3	252.9	80,500	150
155	38.9	235.4	67,200	42.1	242.2	72,000	45.0	247.9	76,900	155
160	36.2	228.7	64,200	39.6	236.3	68,700	42.7	242.5	73,400	160
165	33.3	221.2	61,200	36.9	229.7	65,600	40.2	236.7	70,200	165
170	30.2	212.9	58,500	34.0	222.4	62,700	37.5	230.3	67,000	170
175	26.6	203.2	55,800	31.0	214.3	59,900	34.7	223.2	64,000	175
180	22.6	191.9	53,400	27.5	205.0	57,100	31.7	215.3	61,100	180
185	17.7	177.6	51,100	23.7	194.1	54,600	28.4	206.3	58,300	185
190	10.7	156.4	48,900	19.0	180.7	52,200	24.6	195.9	55,700	190
195				12.8	162.1	50,000	20.2	183.2	53,300	195
200							14.5	166.2	51,000	200
205										205
210										210
215										215
220										220
225										225
230										230



474,400 lb

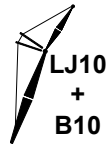


118.1 ft

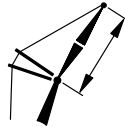
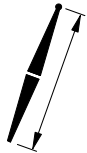


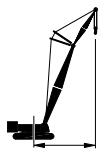
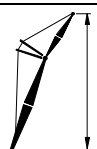
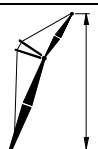
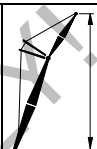
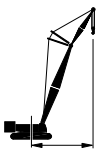
177.2 ft

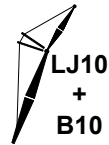
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.3	279.2	104,300							120
125	61.5	276.5	99,200							125
130	59.6	273.5	94,300							130
135	57.7	270.4	89,800							135
140	55.7	267.0	85,600							140
145	53.7	263.3	81,700	57.7	267.0	77,100				145
150	51.7	259.4	78,100	55.7	263.6	73,600				150
155	49.6	255.2	74,700	53.7	259.9	70,400				155
160	47.4	250.6	71,500	51.6	256.0	67,300				160
165	45.1	245.6	68,500	49.5	251.8	64,500	53.5	255.5	60,500	165
170	42.7	240.3	65,700	47.3	247.2	61,800	51.5	251.5	57,900	170
175	40.2	234.4	63,100	45.0	242.2	59,300	49.3	247.2	55,500	175
180	37.6	228.0	60,500	42.7	236.9	56,900	47.1	242.6	53,200	180
185	34.8	221.0	58,200	40.2	231.0	54,600	44.9	237.6	51,100	185
190	31.8	213.1	55,900	37.6	224.6	52,500	42.5	232.2	49,000	190
195	28.5	204.2	53,800	34.8	217.5	50,400	40.0	226.3	47,100	195
200	24.8	193.8	51,700	31.7	209.6	48,500	37.3	219.9	45,300	200
205	20.4	181.2	49,700	28.4	200.6	46,600	34.5	212.7	43,500	205
210	14.7	164.4	47,800	24.7	190.2	44,800	31.5	204.7	41,800	210
215	3.0	128.6	43,800	20.3	177.6	43,100	28.1	195.7	40,200	215
220				14.6	160.7	41,400	24.3	185.1	38,600	220
225				1.7	121.1	39,500	19.9	172.2	37,100	225
230							14.0	154.7	35,600	230



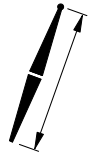
474,400 lb



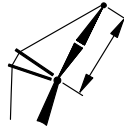
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	74.7	315.5	128,400							70
75	73.2	313.9	127,600							75
80	71.7	312.3	126,000							80
85	70.1	310.5	123,700							85
90	68.6	308.5	121,200	70.5	310.2	123,700				90
95	67.0	306.4	118,000	68.9	308.3	122,800				95
100	65.4	304.1	114,800	67.4	306.2	119,900				100
105	63.7	301.6	111,700	65.8	303.9	116,900	67.7	305.7	119,000	105
110	62.1	299.0	108,600	64.1	301.5	113,800	66.1	303.5	116,100	110
115	60.4	296.1	105,600	62.5	298.9	110,900	64.5	301.1	110,500	115
120	58.7	293.1	102,400	60.8	296.1	105,800	62.9	298.5	105,300	120
125	57.0	289.8	98,500	59.1	293.1	101,100	61.2	295.8	100,600	125
130	55.2	286.4	94,900	57.4	290.0	96,800	59.5	292.8	96,300	130
135	53.4	282.7	91,400	55.7	286.5	92,800	57.8	289.7	92,400	135
140	51.6	278.7	88,200	53.9	282.9	89,200	56.1	286.3	88,800	140
145	49.6	274.5	85,100	52.0	279.0	85,800	54.3	282.8	85,300	145
150	47.7	270.0	82,200	50.1	274.9	82,700	52.5	278.9	81,500	150
155	45.7	265.1	79,400	48.2	270.4	79,700	50.6	274.8	78,000	155
160	43.6	259.9	76,800	46.2	265.6	77,000	48.6	270.4	74,600	160
165	41.4	254.3	74,300	44.1	260.5	74,000	46.6	265.8	71,500	165
170	39.1	248.2	71,600	41.9	255.0	71,000	44.6	260.7	68,600	170
175	36.7	241.6	67,900	39.6	249.0	68,200	42.4	255.3	65,900	175
180	34.1	234.3	64,500	37.3	242.5	65,500	40.2	249.4	63,300	180
185	31.3	226.3	61,000	34.7	235.4	62,900	37.8	243.1	60,800	185
190	28.3	217.2	57,500	32.0	227.6	60,200	35.3	236.1	58,500	190
195	25.0	206.9	54,100	29.1	218.8	56,900	32.7	228.5	56,200	195
200	21.1	194.7	50,600	25.8	208.9	53,600	29.8	220.0	54,100	200
205	16.4	179.3	46,900	22.1	197.2	50,200	26.6	210.3	52,100	205
210	9.5	156.0	41,100	17.7	182.7	46,700	23.1	199.1	49,700	210
215				11.6	162.4	42,800	18.8	185.5	46,300	215
220							13.3	167.1	42,700	220
225										225
230										230
235										235
240										240
245										245
250										250



474,400 lb

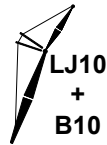


118.1 ft



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	93,100							130
135	61.3	293.4	88,600							135
140	59.6	290.5	84,400							140
145	57.9	287.4	80,500							145
150	56.1	284.0	76,900							150
155	54.3	280.4	73,600	57.8	284.0	69,100				155
160	52.5	276.6	70,400	56.1	280.6	66,100				160
165	50.6	272.5	67,400	54.3	277.0	63,300				165
170	48.7	268.1	64,600	52.5	273.2	60,600				170
175	46.7	263.5	62,000	50.6	269.1	58,100				175
180	44.6	258.4	59,500	48.7	264.7	55,700	52.3	268.7	52,000	180
185	42.5	253.0	57,200	46.7	260.1	53,500	50.4	264.6	49,900	185
190	40.3	247.2	54,900	44.6	255.0	51,400	48.5	260.2	47,800	190
195	37.9	240.8	52,800	42.4	249.6	49,400	46.5	255.5	45,900	195
200	35.4	233.9	50,800	40.2	243.7	47,400	44.4	250.4	44,100	200
205	32.8	226.3	48,900	37.9	237.4	45,600	42.3	245.0	42,400	205
210	29.9	217.8	47,000	35.4	230.5	43,900	40.0	239.1	40,700	210
215	26.7	208.2	45,300	32.7	222.8	42,200	37.6	232.7	39,100	215
220	23.2	197.0	43,600	29.8	214.3	40,600	35.1	225.7	37,600	220
225	19.0	183.5	41,900	26.7	204.7	39,100	32.5	218.0	36,200	225
230	13.5	165.4	40,300	23.1	193.5	37,600	29.6	209.4	34,800	230
235				18.9	179.9	36,100	26.4	199.6	33,400	235
240				13.4	161.6	34,700	22.8	188.3	32,100	240
245							18.5	174.4	30,800	245
250							12.8	155.5	29,600	250



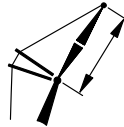
474,400 lb



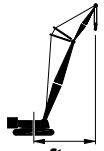
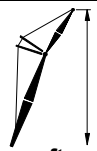
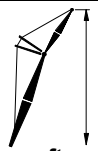
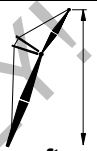
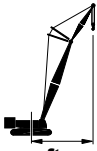
360°



118.1 ft

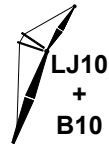


216.5 ft

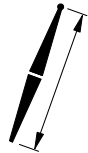
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.8	334.5	105,800							75
80	73.4	333.0	105,100							80
85	72.0	331.4	104,300							85
90	70.6	329.6	103,400							90
95	69.2	327.7	102,600	70.9	329.4	101,600				95
100	67.7	325.7	101,700	69.5	327.5	101,000				100
105	66.3	323.5	100,900	68.1	325.5	100,400				105
110	64.8	321.1	100,000	66.7	323.3	99,700	68.4	324.9	97,400	110
115	63.4	318.6	97,700	65.2	321.0	99,100	67.0	322.8	97,100	115
120	61.9	315.9	94,900	63.7	318.5	98,400	65.5	320.5	96,700	120
125	60.3	313.1	92,000	62.2	315.9	96,900	64.1	318.1	96,300	125
130	58.8	310.1	89,200	60.7	313.1	94,100	62.6	315.5	95,900	130
135	57.2	306.8	86,300	59.2	310.1	91,400	61.1	312.7	92,100	135
140	55.6	303.4	83,600	57.6	306.9	88,600	59.5	309.8	87,800	140
145	54.0	299.8	80,900	56.0	303.6	85,800	58.0	306.7	83,700	145
150	52.3	295.9	78,300	54.4	300.0	82,800	56.4	303.4	80,000	150
155	50.6	291.9	75,600	52.7	296.2	79,200	54.8	299.8	76,400	155
160	48.9	287.5	73,000	51.0	292.2	75,800	53.1	296.1	73,100	160
165	47.0	282.9	70,600	49.3	287.9	72,600	51.4	292.1	70,100	165
170	45.2	277.9	68,100	47.5	283.3	69,600	49.7	287.9	67,100	170
175	43.3	272.7	65,600	45.7	278.5	66,800	47.9	283.4	64,400	175
180	41.3	267.0	63,300	43.7	273.3	64,100	46.1	278.6	61,800	180
185	39.2	260.9	60,900	41.8	267.7	61,600	44.2	273.5	59,400	185
190	37.0	254.4	58,600	39.7	261.8	59,200	42.2	268.0	57,000	190
195	34.7	247.3	56,400	37.6	255.3	57,000	40.2	262.2	54,800	195
200	32.3	239.5	53,700	35.3	248.4	54,800	38.1	255.9	52,800	200
205	29.6	230.9	50,800	32.9	240.8	52,700	35.8	249.0	50,800	205
210	26.8	221.3	48,000	30.3	232.4	50,200	33.5	241.6	48,900	210
215	23.6	210.3	45,000	27.5	223.0	47,500	30.9	233.4	47,000	215
220	19.9	197.2	42,100	24.4	212.4	44,700	28.2	224.3	45,300	220
225	15.3	180.7	39,000	20.8	199.9	41,800	25.1	214.0	43,600	225
230	8.4	155.2	33,300	16.5	184.5	38,800	21.7	202.1	41,400	230
235				10.5	162.5	35,400	17.6	187.5	38,500	235
240							12.2	167.7	35,400	240
245										245
250										250
255										255
260										260
265										265
270										270

MLC300 S-3

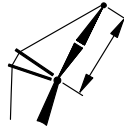
ASME B30.5



474,400 lb

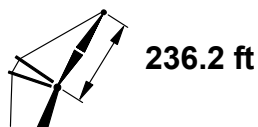
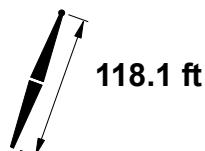


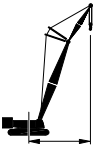
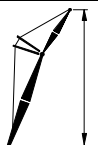
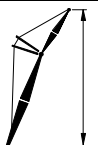
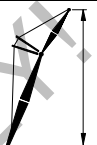
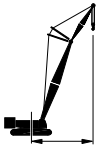
118.1 ft



216.5 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	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	82,700							140
145	61.1	310.4	78,900							145
150	59.6	307.5	75,300							150
155	58.0	304.3	71,900							155
160	56.4	301.0	68,800							160
165	54.8	297.5	65,800	58.0	301.0	61,600				165
170	53.2	293.8	63,000	56.4	297.6	58,900				170
175	51.5	289.8	60,400	54.8	294.1	56,400				175
180	49.8	285.6	57,900	53.1	290.4	54,100				180
185	48.0	281.1	55,600	51.4	286.4	51,800				185
190	46.1	276.3	53,400	49.7	282.2	49,700	53.0	285.9	46,100	190
195	44.3	271.2	51,300	47.9	277.7	47,700	51.3	281.9	44,200	195
200	42.3	265.8	49,300	46.1	272.9	45,800	49.6	277.7	42,400	200
205	40.3	259.9	47,400	44.2	267.8	44,000	47.8	273.1	40,700	205
210	38.1	253.6	45,600	42.3	262.4	42,300	45.9	268.3	39,000	210
215	35.9	246.8	43,900	40.2	256.5	40,700	44.1	263.2	37,500	215
220	33.5	239.4	42,200	38.1	250.2	39,100	42.1	257.7	36,000	220
225	31.0	231.2	40,600	35.9	243.4	37,600	40.0	251.8	34,600	225
230	28.3	222.2	39,100	33.5	235.9	36,100	37.9	245.5	33,200	230
235	25.2	211.9	37,600	30.9	227.8	34,800	35.7	238.6	31,900	235
240	21.8	200.0	36,200	28.2	218.7	33,400	33.3	231.1	30,600	240
245	17.8	185.5	34,800	25.2	208.4	32,100	30.7	222.9	29,400	245
250	12.4	166.0	33,500	21.7	196.4	30,900	28.0	213.7	28,200	250
255				17.7	181.9	29,600	24.9	203.3	27,100	255
260				12.3	162.2	28,400	21.4	191.2	26,000	260
265							17.3	176.3	24,900	265
270							11.7	155.9	23,800	270



	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
80	74.8	353.5	87,300							80
85	73.5	352.1	86,500							85
90	72.3	350.5	85,700							90
95	71.0	348.7	84,900							95
100	69.7	346.9	84,100	71.3	348.5	83,500				100
105	68.4	344.9	83,200	70.0	346.6	82,800				105
110	67.1	342.8	82,400	68.7	344.7	82,200				110
115	65.7	340.5	81,600	67.4	342.6	81,500				115
120	64.4	338.1	80,900	66.1	340.4	80,900	67.7	342.1	79,500	120
125	63.0	335.6	80,100	64.7	338.0	80,200	66.4	339.9	79,000	125
130	61.7	332.9	79,300	63.4	335.5	79,500	65.1	337.6	78,500	130
135	60.3	330.0	78,400	62.0	332.9	78,900	63.7	335.1	78,000	135
140	58.9	327.0	76,300	60.6	330.0	78,300	62.3	332.5	77,500	140
145	57.4	323.8	74,200	59.2	327.1	77,600	60.9	329.7	77,000	145
150	55.9	320.4	72,000	57.8	323.9	75,900	59.5	326.7	76,500	150
155	54.5	316.9	69,800	56.3	320.6	73,800	58.1	323.6	75,200	155
160	52.9	313.1	67,600	54.8	317.1	71,700	56.7	320.4	71,900	160
165	51.4	309.1	65,400	53.3	313.4	69,500	55.2	316.9	68,800	165
170	49.8	304.9	63,100	51.8	309.4	67,300	53.7	313.2	65,900	170
175	48.2	300.5	61,000	50.2	305.3	65,000	52.1	309.3	63,200	175
180	46.5	295.8	58,700	48.6	300.9	62,800	50.6	305.2	60,600	180
185	44.8	290.8	56,600	46.9	296.2	60,400	49.0	300.9	58,100	185
190	43.0	285.4	54,400	45.2	291.3	58,100	47.3	296.3	55,800	190
195	41.2	279.8	52,300	43.5	286.1	55,800	45.6	291.5	53,600	195
200	39.3	273.7	50,200	41.6	280.5	53,700	43.9	286.3	51,600	200
205	37.3	267.2	48,000	39.8	274.5	51,600	42.1	280.8	49,600	205
210	35.2	260.2	45,900	37.8	268.1	49,700	40.2	274.9	47,700	210
215	33.0	252.7	43,800	35.7	261.3	47,500	38.3	268.7	45,900	215
220	30.7	244.4	41,800	33.6	253.9	45,300	36.2	261.9	44,200	220
225	28.1	235.3	39,900	31.3	245.8	43,200	34.1	254.6	42,500	225
230	25.4	225.0	38,000	28.8	236.9	41,300	31.8	246.7	40,900	230
235	22.3	213.4	36,200	26.1	227.0	39,300	29.4	238.0	39,400	235
240	18.7	199.5	34,400	23.1	215.7	37,100	26.7	228.4	38,000	240
245	14.3	181.8	32,200	19.7	202.4	34,700	23.8	217.4	36,600	245
250	7.4	153.9	26,900	15.5	186.0	32,100	20.5	204.7	34,400	250
255				9.6	162.1	29,100	16.6	189.2	31,900	255
260							11.3	168.0	29,100	260
265										265
270										270
275										275
280										280
285										285
290										290



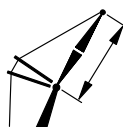
474,400 lb



360°

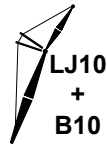


118.1 ft



236.2 ft

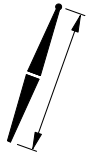
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.7	332.7	73,500							145
150	62.4	330.1	73,400							150
155	61.0	327.3	70,500							155
160	59.6	324.4	67,400							160
165	58.1	321.3	64,500							165
170	56.7	318.0	61,700							170
175	55.2	314.6	59,100	58.1	317.9	55,000				175
180	53.7	310.9	56,600	56.7	314.6	52,700				180
185	52.2	307.0	54,300	55.2	311.2	50,500				185
190	50.6	302.9	52,100	53.7	307.5	48,400				190
195	49.0	298.6	50,000	52.2	303.6	46,400				195
200	47.4	294.0	48,000	50.6	299.5	44,500	53.6	303.0	41,000	200
205	45.7	289.2	46,100	49.0	295.2	42,700	52.0	299.1	39,300	205
210	43.9	284.0	44,300	47.3	290.6	41,000	50.5	295.0	37,700	210
215	42.1	278.5	42,600	45.6	285.8	39,400	48.8	290.7	36,100	215
220	40.3	272.7	41,000	43.9	280.6	37,800	47.2	286.1	34,600	220
225	38.3	266.4	39,400	42.1	275.1	36,300	45.5	281.2	33,200	225
230	36.3	259.7	37,900	40.2	269.2	34,900	43.8	276.0	31,900	230
235	34.2	252.4	36,500	38.3	263.0	33,500	41.9	270.5	30,600	235
240	31.9	244.5	35,100	36.3	256.2	32,200	40.1	264.6	29,300	240
245	29.5	235.9	33,800	34.1	249.0	30,900	38.1	258.3	28,100	245
250	26.8	226.2	32,500	31.8	241.0	29,700	36.1	251.5	27,000	250
255	23.9	215.4	31,200	29.4	232.4	28,600	33.9	244.2	25,900	255
260	20.6	202.7	30,000	26.8	222.7	27,400	31.6	236.2	24,800	260
265	16.7	187.3	28,800	23.9	211.8	26,300	29.2	227.4	23,800	265
270	11.5	166.3	27,700	20.6	199.1	25,200	26.5	217.7	22,800	270
275				16.6	183.7	24,200	23.6	206.7	21,800	275
280				11.3	162.5	23,100	20.3	193.8	20,800	280
285							16.2	178.0	19,900	285
290							10.8	156.0	18,900	290



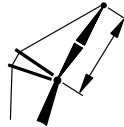
474,400 lb



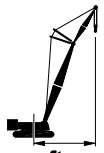
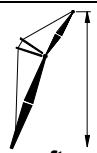
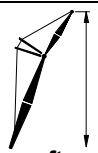
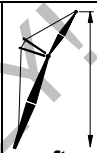
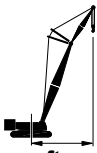
360°

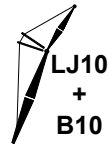


118.1 ft

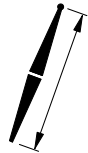


255.9 ft

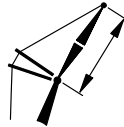
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
85	74.9	372.6	72,600							85
90	73.7	371.1	71,800							90
95	72.5	369.5	71,000							95
100	71.3	367.8	70,200							100
105	70.1	366.0	69,400	71.6	367.6	69,100				105
110	68.9	364.1	68,600	70.4	365.8	68,400				110
115	67.7	362.1	67,800	69.2	363.9	67,800				115
120	66.5	359.9	67,000	68.0	361.9	67,100				120
125	65.3	357.6	66,300	66.8	359.7	66,400	68.3	361.3	65,500	125
130	64.0	355.1	65,500	65.6	357.4	65,700	67.1	359.2	65,000	130
135	62.8	352.6	64,800	64.3	355.0	65,100	65.9	357.0	64,500	135
140	61.5	349.9	64,100	63.1	352.5	64,400	64.6	354.6	63,900	140
145	60.2	347.0	63,400	61.8	349.8	63,800	63.4	352.1	63,400	145
150	58.9	344.0	62,700	60.5	347.0	63,200	62.1	349.4	62,900	150
155	57.6	340.8	62,100	59.2	344.0	62,500	60.8	346.6	62,300	155
160	56.2	337.5	61,400	57.9	340.9	61,900	59.5	343.7	61,800	160
165	54.9	333.9	60,800	56.6	337.6	61,300	58.2	340.6	61,300	165
170	53.5	330.3	60,000	55.2	334.1	60,800	56.9	337.3	60,700	170
175	52.0	326.4	59,900	53.8	330.5	60,200	55.5	333.9	60,300	175
180	50.6	322.3	59,900	52.4	326.6	59,700	54.1	330.3	59,100	180
185	49.1	318.0	59,800	51.0	322.6	59,700	52.7	326.5	58,600	185
190	47.6	313.4	59,700	49.5	318.3	59,600	51.3	322.5	58,300	190
195	46.1	308.6	59,600	48.0	313.8	59,500	49.8	318.3	58,200	195
200	44.5	303.6	59,500	46.4	309.1	59,400	48.3	313.9	58,100	200
205	42.8	298.2	59,400	44.9	304.1	59,300	46.8	309.2	58,100	205
210	41.1	292.5	59,300	43.2	298.8	59,200	45.2	304.3	58,000	210
215	39.4	286.5	59,200	41.6	293.2	59,100	43.6	299.1	57,900	215
220	37.5	280.0	59,100	39.8	287.3	59,000	42.0	293.5	57,800	220
225	35.6	273.1	59,000	38.0	280.9	58,900	40.2	287.7	57,700	225
230	33.6	265.7	58,900	36.1	274.2	58,800	38.4	281.4	57,600	230
235	31.5	257.7	58,800	34.1	266.9	58,700	36.6	274.8	57,500	235
240	29.3	249.0	58,700	32.1	259.0	58,600	34.6	267.6	57,400	240
245	26.8	239.3	58,600	29.8	250.5	58,500	32.6	259.9	57,300	245
250	24.2	228.5	58,500	27.5	241.1	58,400	30.4	251.5	57,200	250
255	21.2	216.2	58,400	24.9	230.6	58,300	28.0	242.3	57,100	255
260	17.7	201.5	58,300	22.0	218.7	58,200	25.5	232.1	57,000	260
265	13.4	182.8	58,200	18.6	204.7	58,100	22.7	220.6	56,900	265
270	6.4	152.1	58,100	14.6	187.2	58,000	19.5	207.2	56,800	270
275				8.7	161.5	57,900	15.6	190.7	56,700	275
280							10.4	167.9	56,600	280
285										285
290										290
295										295
300										300
305										305
310										310



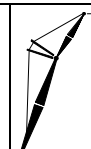
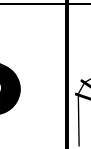
474,400 lb

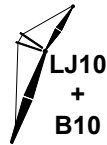


118.1 ft



255.9 ft

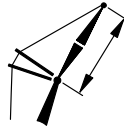
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	63.4	349.7		60,100						155
160	62.1	347.1		59,900						160
165	60.9	344.3		59,600						165
170	59.6	341.4		59,300						170
175	58.3	338.3		57,500						175
180	56.9	335.0		55,000						180
185	55.6	331.6		52,700	58.2	334.9	48,800			185
190	54.2	328.0		50,500	56.9	331.6	46,700			190
195	52.8	324.2		48,400	55.5	328.2	44,700			195
200	51.3	320.2		46,500	54.2	324.6	42,800			200
205	49.9	316.0		44,600	52.7	320.8	41,000			205
210	48.4	311.6		42,800	51.3	316.8	39,300			210
215	46.9	306.9		41,100	49.9	312.6	37,700	52.6	316.3	34,400
220	45.3	302.0		39,500	48.4	308.2	36,200	51.2	312.3	32,900
225	43.7	296.8		37,900	46.8	303.5	34,700	49.7	308.1	31,500
230	42.0	291.3		36,400	45.3	298.6	33,300	48.2	303.6	30,200
235	40.3	285.4		35,000	43.6	293.4	31,900	46.7	299.0	28,900
240	38.5	279.2		33,600	42.0	287.9	30,600	45.1	294.0	27,700
245	36.6	272.5		32,300	40.2	282.0	29,400	43.5	288.8	26,500
250	34.7	265.4		31,100	38.5	275.8	28,200	41.8	283.2	25,300
255	32.6	257.7		29,800	36.6	269.1	27,000	40.1	277.3	24,300
260	30.4	249.4		28,700	34.6	261.9	25,900	38.3	271.0	23,200
265	28.1	240.2		27,500	32.6	254.2	24,900	36.4	264.3	22,200
270	25.6	230.0		26,400	30.4	245.9	23,800	34.5	257.2	21,200
275	22.8	218.6		25,400	28.1	236.7	22,800	32.4	249.4	20,300
280	19.6	205.2		24,300	25.5	226.5	21,800	30.2	241.0	19,300
285	15.7	188.9		23,300	22.7	215.0	20,900	27.8	231.7	18,500
290	10.6	166.4		22,300	19.5	201.6	20,000	25.3	221.4	17,600
295					15.7	185.2	19,000	22.4	209.8	16,700
300					10.5	162.5	18,100	19.2	196.2	15,900
305								15.3	179.4	15,100
310								9.9	155.8	14,300



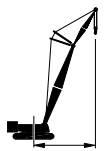
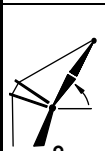
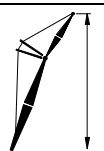
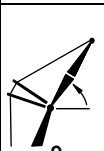
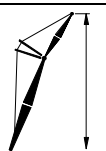
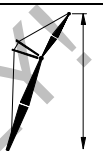
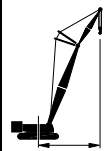
474,400 lb

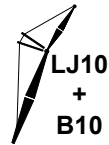


118.1 ft

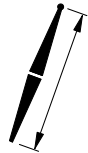


275.6 ft

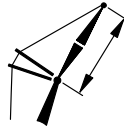
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.9	391.6	59,500							90
95	73.8	390.2	58,800							95
100	72.7	388.6	58,000							100
105	71.6	386.9	57,300							105
110	70.5	385.2	56,500	71.9	386.7	56,500				110
115	69.4	383.3	55,800	70.8	384.9	55,900				115
120	68.3	381.3	55,100	69.7	383.1	55,200				120
125	67.2	379.2	54,400	68.6	381.1	54,600				125
130	66.0	377.0	53,700	67.4	379.0	54,200	68.8	380.5	53,500	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	52,400	140
145	62.5	369.5	51,700	64.0	372.1	52,100	65.4	374.0	51,900	145
150	61.4	366.8	51,100	62.8	369.5	51,500	64.3	371.6	51,400	150
155	60.2	363.9	50,500	61.6	366.8	50,900	63.1	369.1	50,800	155
160	58.9	360.9	49,900	60.4	364.0	50,300	61.9	366.4	50,300	160
165	57.7	357.8	49,300	59.2	361.0	49,800	60.7	363.6	49,800	165
170	56.5	354.5	48,800	58.0	357.9	49,300	59.5	360.7	49,300	170
175	55.2	351.0	48,300	56.8	354.6	48,700	58.3	357.6	48,800	175
180	53.9	347.4	47,800	55.5	351.2	48,200	57.1	354.3	48,400	180
185	52.6	343.5	47,300	54.2	347.6	47,800	55.8	350.9	47,900	185
190	51.3	339.5	46,800	52.9	343.8	47,300	54.5	347.4	47,400	190
195	49.9	335.4	46,400	51.6	339.8	46,900	53.2	343.7	47,000	195
200	48.5	331.0	46,000	50.3	335.7	46,400	51.9	339.8	46,600	200
205	47.1	326.3	45,600	48.9	331.3	46,000	50.6	335.7	46,200	205
210	45.7	321.5	45,200	47.5	326.8	45,600	49.2	331.4	45,100	210
215	44.2	316.3	44,800	46.0	322.0	45,300	47.8	326.8	43,300	215
220	42.7	311.0	44,500	44.5	316.9	43,600	46.4	322.1	41,600	220
225	41.1	305.3	43,400	43.0	311.6	41,900	44.9	317.1	40,000	225
230	39.4	299.2	41,600	41.5	306.0	40,300	43.4	311.8	38,400	230
235	37.8	292.8	39,700	39.9	300.0	38,800	41.8	306.3	36,900	235
240	36.0	286.0	37,900	38.2	293.7	37,300	40.2	300.4	35,500	240
245	34.2	278.7	36,100	36.4	287.0	35,900	38.6	294.2	34,100	245
250	32.2	270.9	34,300	34.6	279.9	34,600	36.9	287.6	32,800	250
255	30.2	262.5	32,500	32.7	272.2	33,200	35.1	280.6	31,500	255
260	28.0	253.3	30,700	30.7	263.9	32,000	33.2	273.0	30,300	260
265	25.7	243.1	28,900	28.6	254.9	30,400	31.2	264.9	29,100	265
270	23.1	231.8	27,100	26.3	245.0	28,600	29.1	256.1	28,000	270
275	20.2	218.8	25,200	23.7	234.0	26,800	26.8	246.4	26,900	275
280	16.8	203.4	23,300	20.9	221.5	25,000	24.4	235.7	25,800	280
285	12.6	183.4	20,600	17.7	206.7	23,100	21.6	223.6	24,700	285
290	5.4	149.6	16,300	13.7	188.2	21,100	18.5	209.4	22,900	290
295				7.8	160.4	18,700	14.8	192.0	21,000	295
300							9.6	167.6	18,700	300
305										305
310										310
315										315
320										320
325										325



474,400 lb

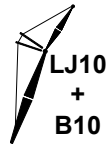


118.1 ft



275.6 ft

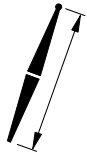
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	63.1	366.7	48,600							165
170	62.0	364.1	48,300							170
175	60.8	361.3	47,900							175
180	59.6	358.3	47,600							180
185	58.3	355.2	47,200							185
190	57.1	352.0	46,900							190
195	55.8	348.6	46,500	58.3	351.9	43,400				195
200	54.6	345.1	45,200	57.1	348.6	41,500				200
205	53.3	341.3	43,300	55.8	345.2	39,700				205
210	52.0	337.4	41,600	54.5	341.7	38,000				210
215	50.6	333.3	39,900	53.2	338.0	36,400				215
220	49.2	329.1	38,200	51.9	334.1	34,900				220
225	47.8	324.5	36,700	50.6	330.0	33,400	53.1	333.5	30,200	225
230	46.4	319.8	35,200	49.2	325.7	32,000	51.8	329.6	28,900	230
235	44.9	314.8	33,800	47.8	321.1	30,700	50.5	325.4	27,600	235
240	43.4	309.6	32,500	46.4	316.4	29,400	49.1	321.1	26,400	240
245	41.9	304.0	31,100	44.9	311.4	28,200	47.7	316.6	25,200	245
250	40.3	298.2	29,900	43.4	306.2	27,000	46.3	311.8	24,100	250
255	38.6	292.0	28,700	41.9	300.6	25,800	44.8	306.8	23,000	255
260	36.9	285.4	27,500	40.3	294.7	24,700	43.3	301.5	21,900	260
265	35.1	278.3	26,400	38.6	288.5	23,700	41.7	296.0	20,900	265
270	33.2	270.8	25,300	36.9	281.9	22,600	40.1	290.1	20,000	270
275	31.3	262.7	24,300	35.1	274.9	21,700	38.4	283.8	19,000	275
280	29.2	253.9	23,300	33.2	267.3	20,700	36.7	277.2	18,100	280
285	26.9	244.3	22,300	31.2	259.2	19,800	34.9	270.1	17,300	285
290	24.4	233.6	21,400	29.1	250.4	18,900	33.0	262.5	16,400	290
295	21.7	221.5	20,400	26.8	240.8	18,000	31.0	254.3	15,600	295
300	18.6	207.5	19,500	24.4	230.1	17,200	28.9	245.5	14,800	300
305	14.9	190.2	18,600	21.7	217.9	16,300	26.6	235.7	14,000	305
310	9.8	166.1	17,700	18.6	203.8	15,500	24.2	224.9	13,300	310
315				14.8	186.5	14,700	21.4	212.7	12,500	315
320				9.6	162.2	13,900	18.3	198.3	11,800	320
325							14.4	180.6	11,100	325



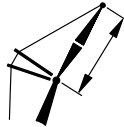
474,400 lb



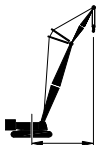
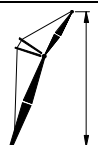
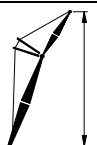
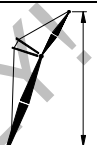
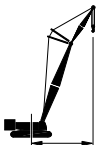
360°



118.1 ft



295.3 ft

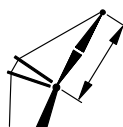
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.9	410.7	49,700							95
100	73.9	409.2	49,000							100
105	72.9	407.7	48,300							105
110	71.9	406.0	47,600							110
115	70.8	404.3	47,200							115
120	69.8	402.5	46,200	71.1	404.0	46,400				120
125	68.8	400.5	45,500	70.1	402.2	45,800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



474,400 lb



118.1 ft

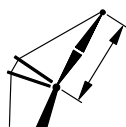


295.3 ft

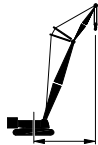
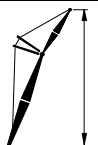
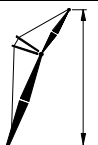
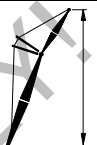
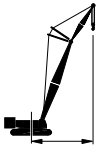
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	64.0	386.3	40,000							170
175	62.9	383.7	39,700							175
180	61.8	381.0	39,300							180
185	60.7	378.2	38,900							185
190	59.6	375.3	38,600							190
195	58.4	372.2	38,200							195
200	57.3	369.0	37,800							200
205	56.1	365.6	37,500	58.4	368.8	36,300				205
210	54.9	362.1	37,200	57.2	365.6	36,100				210
215	53.7	358.5	36,800	56.1	362.3	34,800				215
220	52.5	354.6	36,500	54.9	358.7	33,200				220
225	51.2	350.6	35,100	53.7	355.1	31,800				225
230	50.0	346.4	33,700	52.5	351.2	30,400				230
235	48.7	342.1	32,300	51.2	347.2	29,000	53.6	350.6	25,900	235
240	47.4	337.5	30,900	50.0	343.0	27,800	52.4	346.7	24,700	240
245	46.0	332.7	29,600	48.7	338.7	26,500	51.1	342.7	23,500	245
250	44.6	327.6	28,400	47.3	334.1	25,400	49.8	338.5	22,400	250
255	43.2	322.3	27,200	46.0	329.3	24,200	48.5	334.1	21,300	255
260	41.8	316.8	26,000	44.6	324.2	23,100	47.2	329.5	20,300	260
265	40.3	310.9	24,900	43.2	318.9	22,100	45.9	324.7	19,300	265
270	38.7	304.7	23,800	41.8	313.4	21,100	44.5	319.6	18,300	270
275	37.1	298.2	22,800	40.3	307.5	20,100	43.1	314.3	17,400	275
280	35.5	291.3	21,800	38.7	301.3	19,200	41.6	308.7	16,500	280
285	33.8	283.9	20,900	37.1	294.8	18,300	40.1	302.8	15,700	285
290	31.9	276.0	19,900	35.5	287.8	17,400	38.6	296.6	14,800	290
295	30.0	267.4	19,000	33.7	280.4	16,500	37.0	290.0	14,000	295
300	28.0	258.2	18,100	31.9	272.5	15,700	35.3	283.0	13,200	300
305	25.8	248.1	17,300	30.0	264.0	14,900	33.6	275.6	12,500	305
310	23.4	236.9	16,500	27.9	254.7	14,100	31.7	267.6	11,800	310
315	20.8	224.3	15,700	25.8	244.6	13,300	29.8	259.0	11,000	315
320	17.8	209.5	14,900	23.4	233.4	12,600				320
325	14.1	191.3	14,100	20.7	220.7	11,900				325
330	9.0	165.6	13,300	17.7	205.9	11,200				330

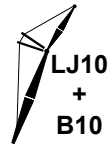


118.1 ft



315.0 ft

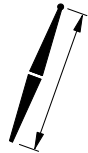
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
100	74.9	429.7	41,400							100
105	74.0	428.3	40,700							105
110	73.0	426.7	40,000							110
115	72.1	425.1	39,400							115
120	71.1	423.4	38,700							120
125	70.2	421.6	38,600	71.4	423.1	38,400				125
130	69.2	419.7	37,500	70.4	421.3	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	67.5	415.4	36,100	68.7	416.9	36,100	145
150	65.2	411.1	35,100	66.5	413.2	35,500	67.7	414.9	35,600	150
155	64.2	408.7	34,600	65.5	410.9	35,000	66.7	412.7	35,100	155
160	63.2	406.1	34,100	64.5	408.6	34,500	65.7	410.5	34,600	160
165	62.2	403.5	33,500	63.4	406.1	34,000	64.7	408.1	34,100	165
170	61.1	400.7	33,100	62.4	403.4	33,500	63.7	405.6	33,600	170
175	60.1	397.9	32,600	61.4	400.7	33,000	62.7	403.0	33,100	175
180	59.0	394.9	32,100	60.3	397.9	32,500	61.6	400.3	32,700	180
185	57.9	391.7	31,700	59.3	394.9	32,000	60.6	397.5	32,200	185
190	56.8	388.5	31,200	58.2	391.8	31,600	59.5	394.6	31,800	190
195	55.7	385.1	30,800	57.1	388.6	31,200	58.5	391.5	31,400	195
200	54.6	381.5	30,400	56.0	385.2	30,800	57.4	388.3	31,000	200
205	53.5	377.8	30,000	54.9	381.7	30,400	56.3	385.0	30,600	205
210	52.4	374.0	29,600	53.8	378.0	30,000	55.2	381.5	30,200	210
215	51.2	370.0	29,300	52.6	374.2	29,600	54.0	377.9	29,800	215
220	50.0	365.8	28,900	51.5	370.3	29,200	52.9	374.1	29,500	220
225	48.8	361.4	28,600	50.3	366.1	28,900	51.8	370.2	29,100	225
230	47.6	356.9	28,300	49.1	361.8	28,600	50.6	366.1	28,800	230
235	46.3	352.1	28,000	47.9	357.3	28,300	49.4	361.8	28,500	235
240	45.0	347.1	27,700	46.6	352.6	28,000	48.2	357.3	28,200	240
245	43.7	341.9	27,400	45.3	347.7	27,700	46.9	352.7	27,900	245
250	42.4	336.5	27,100	44.0	342.5	27,400	45.6	347.8	27,600	250
255	41.0	330.7	26,900	42.7	337.1	27,100	44.3	342.7	27,300	255
260	39.6	324.7	26,600	41.3	331.5	26,900	43.0	337.4	27,100	260
265	38.1	318.4	26,400	39.9	325.5	26,600	41.7	331.8	26,500	265
270	36.6	311.7	26,200	38.5	319.3	26,400	40.3	325.9	25,400	270
275	35.0	304.7	26,000	37.0	312.7	25,900	38.8	319.8	24,300	275
280	33.4	297.2	25,400	35.4	305.7	24,800	37.3	313.2	23,200	280
285	31.6	289.1	24,100	33.8	298.3	23,800	35.8	306.4	22,200	285
290	29.8	280.6	22,700	32.1	290.5	22,800	34.2	299.1	21,300	290
295	27.9	271.3	20,600	30.3	282.0	21,800	32.5	291.3	20,300	295
300	25.9	261.2	18,100	28.4	272.9	20,900	30.7	283.0	19,400	300
305	23.7	250.1	15,600	26.4	263.1	19,700	28.9	274.1	18,500	305
310	21.2	237.7	13,300				26.9	264.4	17,700	310
315							24.8	253.9	16,800	315
320							22.4	242.1	16,000	320
325							19.8	228.8	14,100	325
330										330
335										335



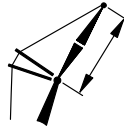
474,400 lb



360°

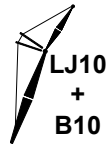


118.1 ft



315.0 ft

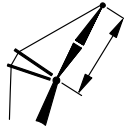
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180	63.7	403.3	32,400							180
185	62.7	400.7	32,000							185
190	61.6	398.0	31,600							190
195	60.6	395.2	31,200							195
200	59.6	392.2	30,900							200
205	58.5	389.2	30,500							205
210	57.4	386.0	30,200							210
215	56.3	382.6	29,900	58.5	385.8	29,200				215
220	55.2	379.2	29,500	57.4	382.6	28,900				220
225	54.1	375.6	29,200	56.3	379.3	28,700				225
230	52.9	371.8	28,900	55.2	375.8	28,400				230
235	51.8	367.9	28,600	54.1	372.2	27,600				235
240	50.6	363.8	28,300	52.9	368.4	26,400				240
245	49.4	359.5	28,000	51.8	364.5	25,200	54.0	367.7	22,100	245
250	48.2	355.0	27,000	50.6	360.4	24,000	52.8	363.9	21,000	250
255	47.0	350.4	25,800	49.4	356.1	22,900	51.7	360.0	19,900	255
260	45.7	345.5	24,700	48.2	351.6	21,800	50.5	355.9	18,900	260
265	44.4	340.4	23,600	46.9	347.0	20,700	49.3	351.6	17,900	265
270	43.1	335.1	22,500	45.7	342.1	19,700	48.1	347.1	16,900	270
275	41.7	329.5	21,500	44.4	337.0	18,800	46.8	342.4	16,000	275
280	40.3	323.7	20,500	43.0	331.7	17,800	45.5	337.5	15,100	280
285	38.9	317.5	19,600	41.7	326.1	16,900	44.2	332.4	14,300	285
290	37.4	311.0	18,700	40.3	320.2	16,000	42.9	327.1	13,500	290
295	35.8	304.1	17,800	38.8	314.1	15,200	41.5	321.5	12,700	295
300	34.2	296.9	16,900	37.3	307.6	14,400	40.1	315.6	11,900	300
305	32.5	289.1	16,100	35.8	300.7	13,600	38.7	309.4	11,100	305
310	30.8	280.9	15,200	34.2	293.4	12,800				310
315	28.9	272.0	14,500	32.5	285.7	12,100				315
320	26.9	262.3	13,700	30.7	277.4	11,400				320
325	24.8	251.8	12,900							325
330	22.5	240.1	12,200							330
335	19.9	226.8	11,500							335



474,400 lb

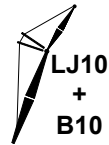


137.8 ft

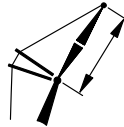
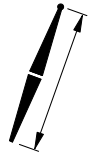


78.7 ft

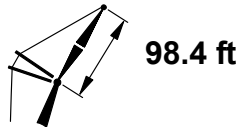
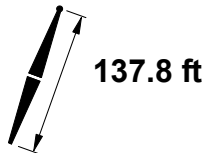
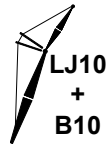
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	74.9	221.2	312,000 d							40
45	71.0	219.5	291,800 c							45
50	67.1	217.4	271,000 b							50
55	63.0	214.8	251,600 b	68.9	217.6	261,600 c				55
60	58.8	211.8	228,100	64.9	215.2	234,600 b				60
65	54.3	208.2	209,000	60.7	212.4	212,600	66.7	215.1	211,600 b	65
70	49.5	204.0	193,000	56.3	209.1	194,400	62.6	212.5	193,500 b	70
75	44.4	199.0	179,600	51.7	205.2	179,100	58.3	209.5	178,200	75
80	38.7	192.9	166,700	46.8	200.6	165,900	53.8	205.8	165,200	80
85	32.0	185.3	155,300	41.3	195.0	154,600	49.0	201.5	153,900	85
90	23.7	175.0	145,400	35.2	188.2	144,700	43.8	196.4	144,000	90
95	8.8	155.2	130,000	27.8	179.3	136,000	38.0	190.2	135,400	95
100				17.4	165.9	128,300	31.2	182.4	127,700	100
105							22.6	171.6	120,800	105
110										110
115										115
120										120
125										125
130										130
135										135
140										140

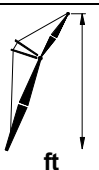
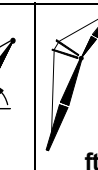
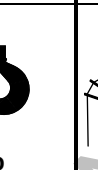
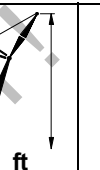


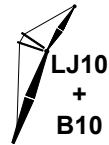
474,400 lb



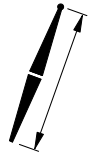
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	59.9	207.8	152,700							85
90	55.5	204.4	142,900							90
95	50.8	200.4	134,300							95
100	45.7	195.6	126,700	56.8	201.7	125,700				100
105	40.2	189.8	119,900	52.3	197.9	119,000				105
110	33.8	182.7	113,800	47.3	193.3	112,900				110
115	26.1	173.2	108,200	42.0	187.9	107,300	53.3	194.0	101,300	115
120	14.4	158.0	103,200	35.9	181.2	101,700	48.5	189.6	96,100	120
125				28.7	172.6	96,600	43.3	184.4	91,300	125
130				18.8	160.1	91,700	37.4	178.1	86,800	130
135							30.5	170.1	82,600	135
140							21.5	158.8	78,600	140



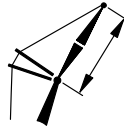
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
45	75.0	240.3	262,900 c							45
50	71.9	238.6	257,300 b							50
55	68.8	236.7	241,100 b							55
60	65.6	234.4	226,200	70.2	236.8	235,400 b				60
65	62.3	231.8	209,800	67.0	234.7	213,400				65
70	58.9	228.8	193,000	63.8	232.2	195,100	68.4	234.5	194,200 b	70
75	55.4	225.3	178,800	60.5	229.4	179,700	65.2	232.2	178,800	75
80	51.7	221.4	166,700	57.0	226.1	166,500	61.9	229.5	165,700	80
85	47.8	216.9	155,900	53.4	222.4	155,100	58.5	226.4	154,400	85
90	43.6	211.8	145,900	49.6	218.2	145,200	55.0	222.9	144,500	90
95	39.0	205.7	137,100	45.5	213.4	136,500	51.3	219.0	135,800	95
100	33.9	198.5	129,300	41.1	207.8	128,700	47.3	214.4	128,100	100
105	28.0	189.6	122,400	36.3	201.1	121,800	43.1	209.2	121,200	105
110	20.4	177.6	115,500	30.8	193.1	115,600	38.5	203.0	115,000	110
115	5.5	152.5	101,800	24.1	182.8	110,000	33.3	195.7	109,400	115
120				14.5	167.1	103,500	27.2	186.5	104,400	120
125							19.4	173.9	99,700	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160



474,400 lb

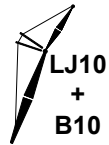


137.8 ft



98.4 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	63.2	227.7		143,400						90
95	59.8	224.8		134,800						95
100	56.3	221.5		127,100						100
105	52.6	217.7		120,300						105
110	48.8	213.3		114,100	57.4	218.7				110
115	44.7	208.4		108,600	53.8	215.1				115
120	40.2	202.6		103,500	50.0	210.9				120
125	35.3	195.7		99,000	46.0	206.1				125
130	29.6	187.3		94,700	41.6	200.6				130
135	22.6	176.3		90,900	36.9	194.1	50.9	207.1	85,200	135
140	11.6	158.2		87,000	31.5	186.3	46.9	202.5	81,200	140
145					24.9	176.3	42.7	197.2	77,400	145
150					15.9	161.6	38.0	190.9	73,900	150
155							32.8	183.4	70,600	155
160							26.6	174.1	67,500	160
							18.4	160.9	64,500	160



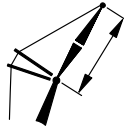
474,400 lb



360°

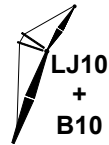


137.8 ft

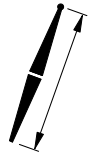


118.1 ft

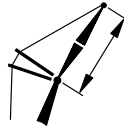
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
55	72.5	257.7	223,100 b							55
60	69.9	255.9	214,200							60
65	67.3	253.8	203,700	71.1	256.0	213,900				65
70	64.6	251.4	192,900	68.5	254.0	195,600				70
75	61.8	248.7	179,900	65.8	251.7	180,100				75
80	59.0	245.7	167,200	63.1	249.2	166,900	67.0	251.6	166,100	80
85	56.1	242.4	156,300	60.3	246.3	155,500	64.3	249.2	154,800	85
90	53.1	238.7	146,300	57.4	243.1	145,600	61.5	246.4	144,900	90
95	49.9	234.5	137,500	54.4	239.6	136,800	58.7	243.4	136,200	95
100	46.6	229.8	129,700	51.3	235.6	129,000	55.8	240.0	128,400	100
105	43.0	224.5	122,700	48.1	231.2	122,100	52.7	236.2	121,500	105
110	39.3	218.5	116,400	44.7	226.2	115,900	49.5	232.0	115,300	110
115	35.1	211.6	110,800	41.0	220.5	110,200	46.2	227.2	109,700	115
120	30.5	203.4	105,600	37.0	214.0	105,100	42.6	221.9	104,600	120
125	25.0	193.3	100,900	32.6	206.5	100,400	38.8	215.8	100,000	125
130	17.9	179.6	92,700	27.6	197.3	96,200	34.6	208.7	95,700	130
135				21.4	185.6	92,200	29.9	200.4	91,800	135
140				12.3	167.6	83,800	24.3	190.0	88,200	140
145							17.0	175.7	84,000	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180



474,400 lb

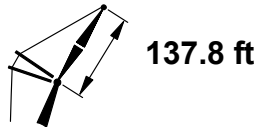
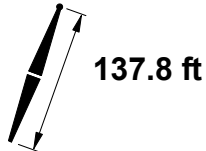
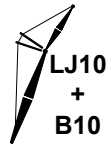


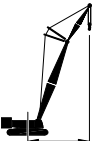
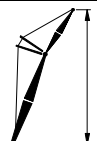
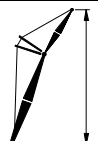
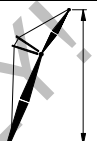
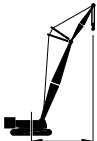
137.8 ft



118.1 ft

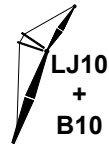
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.5	244.7	127,400							100
105	59.7	241.7	120,600							105
110	56.8	238.5	114,400							110
115	53.8	234.9	108,800							115
120	50.7	230.8	103,800	57.7	235.7	99,200				120
125	47.4	226.2	99,200	54.8	232.2	94,200				125
130	44.0	221.1	95,000	51.7	228.3	89,700				130
135	40.2	215.3	90,900	48.5	223.9	85,400				135
140	36.2	208.6	86,800	45.1	218.9	81,500	52.4	224.4	76,300	140
145	31.7	200.8	82,900	41.4	213.4	77,900	49.2	220.1	72,800	145
150	26.5	191.3	79,200	37.5	207.0	74,500	45.9	215.3	69,600	150
155	20.0	178.8	75,700	33.1	199.5	71,200	42.3	209.9	66,600	155
160	9.4	157.7	72,300	28.2	190.6	68,200	38.4	203.7	63,800	160
165				22.2	179.3	65,300	34.2	196.6	61,100	165
170				13.7	162.5	62,500	29.4	188.1	58,500	170
175							23.7	177.4	56,100	175
180							16.1	162.5	53,700	180



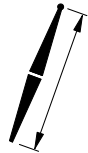
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
60	72.9	276.8	191,200							60
65	70.7	275.1	182,900							65
70	68.5	273.1	174,900	71.7	275.1	187,600				70
75	66.2	270.9	167,200	69.5	273.2	179,900				75
80	63.9	268.4	159,700	67.2	271.1	167,500				80
85	61.5	265.7	151,500	64.9	268.7	156,000	68.2	270.9	155,300	85
90	59.1	262.7	143,900	62.6	266.1	146,100	65.9	268.6	145,300	90
95	56.6	259.4	136,600	60.2	263.3	137,300	63.6	266.1	136,600	95
100	54.0	255.8	130,000	57.7	260.1	129,500	61.2	263.4	128,800	100
105	51.4	251.8	123,100	55.2	256.7	122,500	58.8	260.4	121,900	105
110	48.6	247.4	116,800	52.6	252.9	116,200	56.3	257.0	115,700	110
115	45.7	242.6	111,100	49.9	248.7	110,600	53.7	253.4	110,000	115
120	42.7	237.3	106,000	47.0	244.0	105,400	51.1	249.4	104,900	120
125	39.4	231.3	101,300	44.1	238.9	100,800	48.3	244.9	100,300	125
130	35.9	224.5	97,000	40.9	233.2	96,500	45.4	240.1	96,000	130
135	32.1	216.8	93,000	37.5	226.9	92,500	42.3	234.6	92,100	135
140	27.8	207.6	88,800	33.9	219.6	88,900	39.0	228.6	88,500	140
145	22.7	196.4	82,400	29.8	211.1	85,500	35.5	221.7	85,100	145
150	16.0	181.2	75,500	25.1	201.0	81,700	31.6	213.8	82,000	150
155				19.3	188.0	75,500	27.2	204.5	79,100	155
160				10.5	167.5	68,600	22.0	193.0	75,000	160
165							15.1	177.0	68,900	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC300 S-3

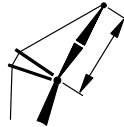
ASME B30.5



474,400 lb

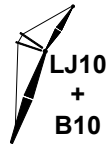


137.8 ft



137.8 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	ft	lb	ft	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	114,700							110
115	59.7	258.7	109,200							115
120	57.2	255.5	103,800							120
125	54.7	252.0	98,600							125
130	52.0	248.1	93,800	58.0	252.7	87,900				130
135	49.3	243.8	89,400	55.5	249.3	83,700				135
140	46.5	239.1	85,300	52.9	245.5	79,800				140
145	43.5	233.9	81,500	50.2	241.3	76,200				145
150	40.3	228.1	77,900	47.4	236.8	72,900	53.5	241.6	67,800	150
155	36.8	221.5	74,600	44.4	231.7	69,700	50.8	237.5	64,900	155
160	33.1	214.0	71,500	41.3	226.1	66,800	48.0	233.1	62,100	160
165	28.9	205.3	68,500	37.9	219.8	64,000	45.1	228.1	59,500	165
170	24.1	194.8	65,700	34.3	212.6	61,400	42.0	222.6	57,000	170
175	17.9	180.9	63,000	30.3	204.3	58,900	38.7	216.5	54,700	175
180	7.5	156.4	60,200	25.7	194.4	56,500	35.2	209.6	52,500	180
185				20.0	181.8	54,200	31.2	201.6	50,400	185
190				11.8	162.9	52,000	26.8	192.1	48,300	190
195							21.5	180.3	46,400	195
200							14.2	163.6	44,500	200



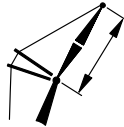
474,400 lb



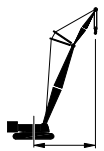
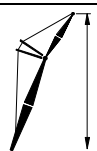
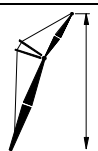
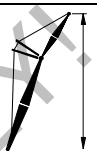
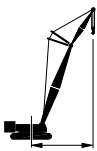
360°



137.8 ft

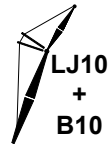


157.5 ft

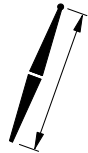
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
65	73.2	295.9	157,500							65
70	71.3	294.2	151,100							70
75	69.3	292.3	144,900							75
80	67.4	290.2	138,900	70.2	292.4	148,600				80
85	65.4	287.9	133,200	68.2	290.4	142,800				85
90	63.3	285.4	127,500	66.3	288.2	137,200				90
95	61.2	282.7	121,900	64.2	285.7	131,500	67.1	288.0	137,000	95
100	59.1	279.7	116,300	62.2	283.1	125,800	65.1	285.7	129,200	100
105	57.0	276.4	110,900	60.1	280.2	120,200	63.1	283.1	122,300	105
110	54.7	272.9	105,800	57.9	277.1	114,700	61.0	280.3	116,000	110
115	52.4	269.1	100,800	55.7	273.7	109,400	58.9	277.3	110,400	115
120	50.1	264.9	96,100	53.5	270.0	104,300	56.7	274.1	105,300	120
125	47.6	260.4	91,600	51.1	266.0	99,500	54.5	270.5	100,600	125
130	45.1	255.4	87,300	48.7	261.7	94,800	52.2	266.6	96,300	130
135	42.4	250.0	83,200	46.2	256.9	90,300	49.8	262.4	92,400	135
140	39.5	244.0	79,300	43.6	251.7	86,000	47.3	257.9	88,700	140
145	36.5	237.4	75,700	40.8	246.0	82,000	44.8	252.9	85,200	145
150	33.3	229.9	72,200	37.9	239.7	78,200	42.1	247.4	81,400	150
155	29.7	221.4	69,000	34.8	232.6	74,700	39.2	241.3	77,900	155
160	25.6	211.4	65,800	31.3	224.6	71,300	36.2	234.6	74,600	160
165	20.8	199.2	62,900	27.5	215.3	68,000	32.9	227.1	71,600	165
170	14.4	182.3	60,100	23.1	204.3	65,000	29.2	218.4	68,600	170
175				17.6	190.0	61,900	25.1	208.2	65,900	175
180				9.0	166.9	56,200	20.2	195.6	61,600	180
185							13.5	177.9	56,600	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-3

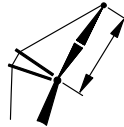
ASME B30.5



474,400 lb

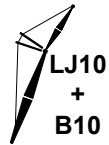


137.8 ft



157.5 ft

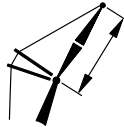
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.8	281.3	107,500							115
120	61.8	278.6	101,900							120
125	59.7	275.7	96,700							125
130	57.5	272.5	92,000							130
135	55.3	269.0	87,600							135
140	53.0	265.3	83,500	58.2	269.7	77,900				140
145	50.7	261.2	79,700	56.0	266.3	74,300				145
150	48.3	256.8	76,200	53.7	262.6	71,000				150
155	45.7	251.9	72,900	51.4	258.7	67,800				155
160	43.1	246.6	69,800	49.0	254.3	64,900				160
165	40.3	240.8	66,900	46.5	249.6	62,200	52.0	254.8	57,500	165
170	37.3	234.4	64,100	43.9	244.5	59,600	49.6	250.6	55,100	170
175	34.1	227.1	61,500	41.2	238.8	57,200	47.1	246.0	52,800	175
180	30.6	218.9	59,100	38.2	232.6	54,800	44.5	240.9	50,600	180
185	26.7	209.4	56,700	35.1	225.6	52,700	41.8	235.4	48,500	185
190	22.1	197.8	54,500	31.7	217.7	50,600	38.9	229.3	46,600	190
195	16.3	182.5	52,300	27.9	208.6	48,600	35.9	222.5	44,700	195
200	5.7	154.1	49,500	23.6	197.8	46,700	32.5	214.8	43,000	200
205				18.3	184.0	44,800	28.9	206.1	41,300	205
210				10.3	162.8	42,900	24.7	195.7	39,600	210
215							19.6	182.8	38,000	215
220							12.6	164.2	36,400	220



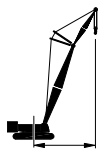
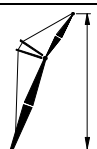
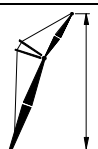
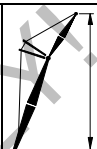
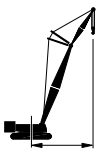
474,400 lb

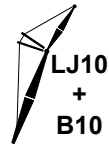


137.8 ft

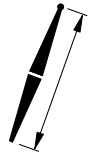


177.2 ft

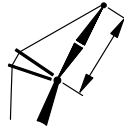
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	73.4	315.0	141,100							70
75	71.7	313.3	136,400							75
80	70.0	311.5	131,100							80
85	68.3	309.5	125,800	70.8	311.5	134,200				85
90	66.5	307.3	120,700	69.0	309.6	129,100				90
95	64.7	304.9	115,700	67.3	307.5	124,100				95
100	62.9	302.4	111,000	65.5	305.2	119,200	68.1	307.3	126,200	100
105	61.0	299.6	106,300	63.7	302.7	114,400	66.3	305.1	121,500	105
110	59.2	296.6	101,900	61.9	300.1	109,700	64.5	302.7	116,400	110
115	57.2	293.4	97,500	60.0	297.2	105,300	62.7	300.1	110,700	115
120	55.3	290.0	93,400	58.1	294.1	100,900	60.8	297.3	105,600	120
125	53.3	286.2	89,300	56.2	290.7	96,600	59.0	294.3	100,900	125
130	51.2	282.2	85,400	54.2	287.1	92,400	57.0	291.1	96,500	130
135	49.1	277.9	81,600	52.1	283.3	88,300	55.1	287.6	91,900	135
140	46.8	273.3	78,000	50.0	279.1	84,400	53.0	283.8	87,600	140
145	44.5	268.2	74,500	47.8	274.6	80,700	51.0	279.8	83,700	145
150	42.2	262.8	71,200	45.6	269.7	77,200	48.8	275.4	80,000	150
155	39.6	256.8	68,000	43.2	264.5	73,600	46.6	270.7	76,500	155
160	37.0	250.2	65,000	40.8	258.7	70,400	44.3	265.6	73,300	160
165	34.1	243.0	62,100	38.2	252.5	67,200	41.9	260.1	70,200	165
170	31.0	234.9	59,300	35.4	245.6	64,300	39.3	254.1	67,300	170
175	27.7	225.7	56,700	32.5	237.9	61,400	36.7	247.5	64,600	175
180	23.8	214.8	54,200	29.2	229.2	58,700	33.8	240.2	62,100	180
185	19.2	201.5	51,800	25.6	219.1	56,000	30.7	232.0	59,600	185
190	13.0	183.1	49,600	21.4	207.1	53,500	27.2	222.6	57,300	190
195				16.1	191.6	51,300	23.3	211.5	54,900	195
200				7.6	165.6	46,500	18.6	197.8	51,100	200
205							12.1	178.4	46,900	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240



474,400 lb

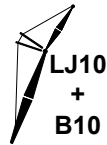


137.8 ft



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	298.3	95,000							125
130	61.5	295.5	90,200							130
135	59.6	292.6	85,900							135
140	57.7	289.5	81,800							140
145	55.8	286.1	78,100							145
150	53.8	282.4	74,600	58.3	286.6	69,200				150
155	51.7	278.5	71,300	56.4	283.3	66,100				155
160	49.6	274.3	68,200	54.4	279.7	63,200				160
165	47.4	269.7	65,300	52.4	275.9	60,500				165
170	45.1	264.7	62,600	50.3	271.8	57,900				170
175	42.8	259.4	60,100	48.1	267.3	55,500	52.8	272.0	51,000	175
180	40.3	253.6	57,600	45.8	262.5	53,200	50.8	267.9	48,800	180
185	37.7	247.2	55,400	43.5	257.3	51,100	48.6	263.6	46,800	185
190	34.9	240.1	53,200	41.1	251.6	49,000	46.4	258.8	44,900	190
195	31.9	232.3	51,100	38.5	245.4	47,100	44.1	253.7	43,100	195
200	28.6	223.3	49,100	35.7	238.5	45,200	41.6	248.1	41,300	200
205	24.8	213.0	47,200	32.8	231.0	43,500	39.1	242.1	39,700	205
210	20.5	200.4	45,400	29.6	222.4	41,800	36.4	235.4	38,100	210
215	14.8	183.8	43,600	26.0	212.5	40,100	33.5	228.0	36,600	215
220	3.7	149.8	40,900	21.9	200.8	38,600	30.4	219.7	35,100	220
225				16.8	185.8	37,000	26.9	210.1	33,700	225
230				9.0	162.2	35,500	22.9	198.9	32,400	230
235							18.1	184.9	31,000	235
240							11.3	164.5	29,700	240



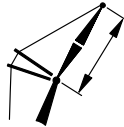
474,400 lb



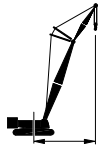
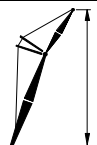
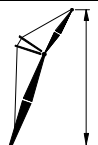
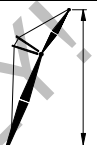
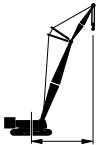
360°

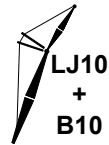


137.8 ft

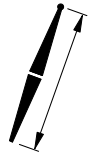


196.9 ft

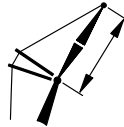
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	73.6	334.0	119,200							75
80	72.1	332.4	118,600							80
85	70.5	330.6	117,900							85
90	69.0	328.7	117,200	71.2	330.6	115,800				90
95	67.4	326.6	115,800	69.7	328.8	115,500				95
100	65.8	324.4	112,800	68.1	326.8	115,200				100
105	64.2	321.9	109,900	66.5	324.6	114,800	68.8	326.5	111,300	105
110	62.6	319.3	107,000	64.9	322.2	112,700	67.2	324.4	111,300	110
115	60.9	316.6	104,200	63.3	319.7	110,000	65.6	322.1	111,000	115
120	59.2	313.6	101,300	61.6	317.0	106,300	64.0	319.7	105,800	120
125	57.5	310.4	98,600	60.0	314.1	101,600	62.4	317.1	100,400	125
130	55.7	307.0	95,800	58.3	311.1	97,300	60.7	314.3	95,400	130
135	53.9	303.4	93,200	56.5	307.7	93,300	59.0	311.3	90,800	135
140	52.1	299.5	90,100	54.7	304.2	89,600	57.3	308.0	86,500	140
145	50.2	295.3	86,700	52.9	300.5	86,000	55.5	304.6	82,600	145
150	48.2	290.9	83,500	51.0	296.4	82,200	53.7	301.0	78,900	150
155	46.2	286.1	80,600	49.1	292.1	78,600	51.9	297.0	75,400	155
160	44.1	281.0	77,100	47.1	287.5	75,300	50.0	292.9	72,200	160
165	42.0	275.5	73,500	45.1	282.5	72,200	48.0	288.4	69,200	165
170	39.7	269.5	70,000	43.0	277.2	69,200	46.0	283.6	66,300	170
175	37.3	263.1	66,500	40.7	271.5	66,400	43.9	278.4	63,600	175
180	34.8	256.0	63,200	38.4	265.2	63,800	41.7	272.9	61,100	180
185	32.1	248.2	59,800	36.0	258.5	61,300	39.5	266.9	58,700	185
190	29.2	239.5	56,600	33.3	251.0	59,000	37.1	260.3	56,400	190
195	25.9	229.5	53,300	30.5	242.7	55,800	34.5	253.2	54,300	195
200	22.3	217.9	50,000	27.4	233.4	52,700	31.8	245.3	52,200	200
205	17.8	203.6	46,400	24.0	222.6	49,600	28.8	236.4	50,200	205
210	11.8	183.6	42,600	20.0	209.7	46,300	25.6	226.4	48,300	210
215				14.9	192.9	42,800	21.8	214.5	45,900	215
220				6.2	163.7	38,700	17.3	199.8	42,600	220
225							11.0	178.6	39,100	225
230										230
235										235
240										240
245										245
250										250
255										255
260										260



474,400 lb

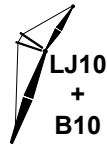


137.8 ft



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	84,600							135
140	61.3	312.5	80,600							140
145	59.6	309.6	76,800							145
150	57.9	306.4	73,300							150
155	56.2	303.1	70,100							155
160	54.4	299.5	67,000	58.4	303.6	61,900				160
165	52.5	295.7	64,200	56.7	300.3	59,200				165
170	50.7	291.6	61,500	54.9	296.8	56,700				170
175	48.7	287.2	58,900	53.1	293.1	54,300				175
180	46.7	282.6	56,600	51.2	289.1	52,000				180
185	44.7	277.6	54,300	49.3	284.8	49,900	53.5	289.1	45,500	185
190	42.5	272.1	52,100	47.4	280.2	47,800	51.7	285.2	43,600	190
195	40.3	266.3	50,100	45.3	275.3	45,900	49.8	281.0	41,800	195
200	37.9	260.0	48,200	43.2	270.0	44,100	47.8	276.5	40,100	200
205	35.5	253.1	46,300	41.0	264.3	42,400	45.8	271.7	38,500	205
210	32.8	245.5	44,500	38.7	258.2	40,700	43.7	266.5	36,900	210
215	30.0	237.0	42,800	36.2	251.4	39,100	41.5	260.9	35,400	215
220	26.8	227.4	41,200	33.6	244.1	37,600	39.2	254.8	34,000	220
225	23.3	216.3	39,700	30.9	235.9	36,100	36.8	248.2	32,600	225
230	19.1	202.8	38,100	27.8	226.7	34,700	34.3	241.0	31,300	230
235	13.6	184.8	36,600	24.4	216.1	33,400	31.5	233.0	30,100	235
240				20.4	203.4	32,100	28.5	224.1	28,900	240
245				15.5	187.2	30,800	25.2	213.9	27,700	245
250				7.7	161.0	29,400	21.4	201.8	26,500	250
255							16.8	186.7	25,400	255
260							10.1	164.3	24,300	260



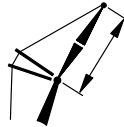
474,400 lb



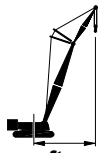
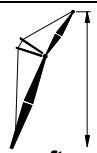
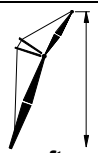
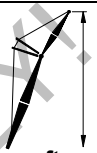
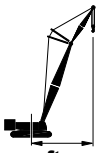
360°



137.8 ft

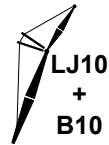


216.5 ft

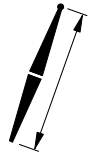
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
80	73.8	353.1	99,100							80
85	72.4	351.5	98,400							85
90	71.0	349.7	97,700							90
95	69.6	347.9	97,000	71.6	349.7	96,000				95
100	68.1	345.9	96,300	70.2	347.9	95,600				100
105	66.7	343.7	95,600	68.8	346.0	95,100				105
110	65.2	341.4	94,900	67.4	343.9	94,700				110
115	63.8	338.9	94,200	65.9	341.7	94,200	68.0	343.7	91,800	115
120	62.3	336.3	93,500	64.4	339.3	93,700	66.5	341.5	91,600	120
125	60.8	333.5	90,800	63.0	336.7	93,200	65.1	339.2	91,400	125
130	59.2	330.5	88,200	61.4	334.0	92,600	63.6	336.7	91,200	130
135	57.7	327.4	85,500	59.9	331.1	91,000	62.1	334.0	89,200	135
140	56.1	324.0	82,900	58.4	328.0	88,400	60.6	331.2	84,900	140
145	54.4	320.5	80,300	56.8	324.8	84,500	59.0	328.2	81,000	145
150	52.8	316.7	77,700	55.2	321.3	80,700	57.5	325.0	77,300	150
155	51.1	312.6	75,200	53.5	317.6	77,200	55.9	321.6	73,900	155
160	49.3	308.4	72,800	51.8	313.7	73,800	54.3	318.1	70,700	160
165	47.5	303.8	70,400	50.1	309.5	70,700	52.6	314.2	67,700	165
170	45.7	299.0	68,000	48.4	305.1	67,800	50.9	310.2	64,800	170
175	43.8	293.8	65,600	46.5	300.4	65,000	49.1	305.9	62,100	175
180	41.8	288.2	63,300	44.7	295.4	62,400	47.3	301.3	59,600	180
185	39.8	282.3	61,000	42.7	290.0	60,000	45.5	296.4	57,200	185
190	37.6	275.9	58,100	40.7	284.2	57,600	43.6	291.2	55,000	190
195	35.4	268.9	55,300	38.6	278.0	55,400	41.6	285.6	52,800	195
200	33.0	261.4	52,500	36.4	271.3	53,300	39.5	279.6	50,800	200
205	30.4	253.0	49,800	34.1	264.0	51,300	37.4	273.2	48,800	205
210	27.6	243.7	47,100	31.6	256.1	49,000	35.1	266.1	47,000	210
215	24.5	233.1	44,300	28.9	247.2	46,400	32.7	258.5	45,200	215
220	20.9	220.7	41,500	25.9	237.2	43,800	30.1	250.0	43,500	220
225	16.7	205.4	38,600	22.6	225.7	41,100	27.3	240.6	41,900	225
230	10.8	183.7	35,300	18.7	211.9	38,400	24.1	229.8	40,300	230
235				13.8	193.9	35,400	20.5	217.2	38,000	235
240				4.9	160.6	31,800	16.1	201.4	35,300	240
245							9.9	178.4	32,200	245
250										250
255										255
260										260
265										265
270										270
275										275
280										280

MLC300 S-3

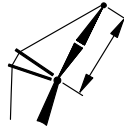
ASME B30.5



474,400 lb

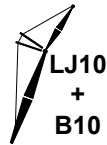


137.8 ft



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	75,100							145
150	61.1	329.5	71,600							150
155	59.6	326.5	68,400							155
160	58.1	323.4	65,400							160
165	56.5	320.1	62,500							165
170	54.9	316.6	59,800	58.5	320.6	54,900				170
175	53.2	312.9	57,300	57.0	317.3	52,500				175
180	51.5	308.9	54,900	55.4	313.9	50,300				180
185	49.8	304.7	52,700	53.7	310.2	48,100				185
190	48.0	300.2	50,500	52.0	306.3	46,100				190
195	46.2	295.4	48,500	50.3	302.2	44,200				195
200	44.3	290.3	46,600	48.6	297.8	42,400	52.4	302.4	38,300	200
205	42.3	284.9	44,800	46.7	293.1	40,700	50.7	298.3	36,700	205
210	40.3	279.1	43,000	44.9	288.1	39,100	49.0	294.0	35,100	210
215	38.2	272.8	41,400	42.9	282.8	37,500	47.2	289.4	33,700	215
220	35.9	266.0	39,800	40.9	277.1	36,000	45.3	284.5	32,300	220
225	33.6	258.6	38,200	38.8	270.9	34,600	43.4	279.2	30,900	225
230	31.0	250.4	36,800	36.6	264.3	33,200	41.4	273.6	29,700	230
235	28.3	241.4	35,400	34.3	257.1	31,900	39.3	267.6	28,400	235
240	25.3	231.1	34,000	31.8	249.2	30,600	37.2	261.1	27,200	240
245	21.9	219.3	32,700	29.2	240.4	29,400	34.9	254.0	26,100	245
250	17.9	204.9	31,400	26.3	230.6	28,200	32.4	246.3	25,000	250
255	12.6	185.5	30,100	23.0	219.3	27,100	29.8	237.7	23,900	255
260				19.2	205.8	26,000	27.0	228.2	22,900	260
265				14.4	188.4	24,800	23.8	217.3	21,900	265
270				6.6	159.3	23,700	20.1	204.4	20,900	270
275							15.6	188.2	20,000	275
280							9.1	163.8	19,000	280



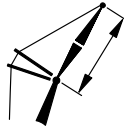
474,400 lb



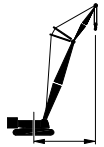
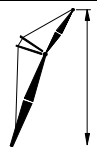
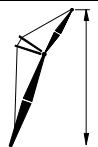
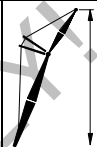
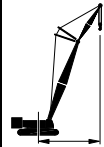
360°



137.8 ft



236.2 ft

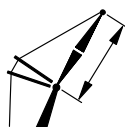
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
85	73.9	372.1	82,200							85
90	72.6	370.6	81,600							90
95	71.3	368.9	80,900							95
100	70.1	367.0	80,200	71.9	368.8	79,500				100
105	68.8	365.1	79,500	70.6	367.1	79,000				105
110	67.4	363.0	78,900	69.3	365.2	78,500				110
115	66.1	360.8	78,200	68.0	363.2	78,000				115
120	64.8	358.4	77,500	66.7	361.0	77,500	68.6	362.9	75,800	120
125	63.4	355.9	76,800	65.4	358.7	77,000	67.3	360.8	75,500	125
130	62.0	353.3	76,200	64.0	356.3	76,400	66.0	358.6	75,200	130
135	60.7	350.5	75,500	62.7	353.7	75,900	64.6	356.2	74,800	135
140	59.2	347.5	74,900	61.3	351.0	75,400	63.3	353.7	74,500	140
145	57.8	344.4	73,200	59.9	348.1	74,800	61.9	351.0	74,100	145
150	56.4	341.0	71,200	58.5	345.0	74,300	60.5	348.2	73,700	150
155	54.9	337.5	69,200	57.0	341.7	73,600	59.1	345.2	72,600	155
160	53.4	333.8	67,100	55.5	338.3	71,600	57.6	342.0	69,400	160
165	51.8	329.9	65,000	54.0	334.7	69,500	56.2	338.7	66,400	165
170	50.2	325.7	62,900	52.5	330.9	66,600	54.7	335.1	63,500	170
175	48.6	321.4	60,700	51.0	326.8	63,800	53.2	331.4	60,900	175
180	47.0	316.7	58,600	49.4	322.6	61,200	51.6	327.5	58,400	180
185	45.3	311.8	56,500	47.7	318.0	58,800	50.1	323.3	56,000	185
190	43.5	306.6	54,500	46.0	313.2	56,400	48.5	318.9	53,700	190
195	41.7	301.0	52,300	44.3	308.1	54,200	46.8	314.2	51,600	195
200	39.8	295.1	50,300	42.5	302.7	52,100	45.1	309.2	49,600	200
205	37.9	288.7	48,300	40.7	297.0	50,100	43.3	304.0	47,600	205
210	35.8	281.8	46,200	38.8	290.8	48,200	41.5	298.4	45,800	210
215	33.6	274.4	44,200	36.7	284.2	46,400	39.6	292.4	44,100	215
220	31.3	266.4	42,200	34.6	277.0	44,700	37.6	286.0	42,400	220
225	28.9	257.5	40,300	32.4	269.3	43,000	35.6	279.1	40,800	225
230	26.2	247.6	38,400	30.0	260.8	40,800	33.4	271.6	39,200	230
235	23.2	236.4	36,600	27.4	251.4	38,600	31.1	263.4	37,800	235
240	19.8	223.2	34,300	24.6	240.8	36,300	28.6	254.5	36,300	240
245	15.6	206.9	31,800	21.4	228.6	34,100	25.9	244.5	35,000	245
250	9.8	183.4	28,900	17.6	213.9	31,700	22.8	233.0	33,600	250
255				12.8	194.6	29,100	19.4	219.6	31,400	255
260				3.3	155.8	25,800	15.1	202.8	29,000	260
265							8.9	177.8	26,300	265
270										270
275										275
280										280
285										285
290										290
295										295
300										300



474,400 lb

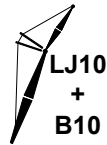


137.8 ft



236.2 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	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	69,700							150
155	62.4	349.2	67,000							155
160	61.0	346.4	64,000							160
165	59.6	343.5	61,100							165
170	58.2	340.4	58,500							170
175	56.7	337.1	55,900							175
180	55.3	333.6	53,600	58.6	337.5	48,800				180
185	53.7	330.0	51,300	57.2	334.3	46,700				185
190	52.2	326.1	49,200	55.7	330.9	44,700				190
195	50.6	322.0	47,200	54.2	327.3	42,800				195
200	49.0	317.7	45,300	52.7	323.5	41,000				200
205	47.4	313.1	43,500	51.1	319.5	39,300				205
210	45.7	308.3	41,800	49.5	315.2	37,700	53.0	319.6	33,700	210
215	44.0	303.1	40,100	47.9	310.7	36,200	51.5	315.6	32,300	215
220	42.2	297.7	38,500	46.2	306.0	34,700	49.9	311.4	30,900	220
225	40.3	291.8	37,000	44.5	300.9	33,300	48.3	307.0	29,500	225
230	38.4	285.6	35,600	42.7	295.5	31,900	46.6	302.3	28,300	230
235	36.3	278.8	34,200	40.9	289.8	30,600	44.9	297.3	27,100	235
240	34.2	271.6	32,900	39.0	283.7	29,400	43.2	292.0	25,900	240
245	31.9	263.7	31,600	37.0	277.1	28,200	41.3	286.4	24,800	245
250	29.5	255.0	30,300	34.9	270.0	27,000	39.4	280.3	23,700	250
255	26.9	245.4	29,100	32.6	262.4	25,900	37.4	273.9	22,700	255
260	24.0	234.6	28,000	30.3	254.0	24,800	35.4	266.9	21,700	260
265	20.7	222.0	26,900	27.7	244.7	23,800	33.2	259.4	20,700	265
270	16.8	206.7	25,800	24.9	234.3	22,800	30.8	251.2	19,700	270
275	11.6	185.8	24,700	21.8	222.3	21,800	28.3	242.1	18,800	275
280				18.1	207.9	20,800	25.6	232.0	18,000	280
285				13.4	189.4	19,900	22.5	220.4	17,100	285
290				5.4	156.7	18,800	19.0	206.7	16,200	290
295							14.6	189.4	15,400	295
300							8.1	162.9	14,500	300



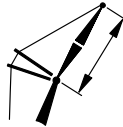
474,400 lb



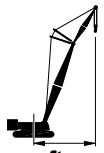
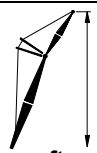
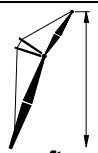
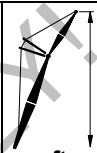
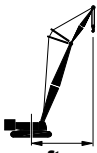
360°



137.8 ft



255.9 ft

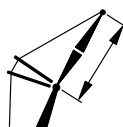
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
90	74.0	391.2	68,700							90
95	72.8	389.6	68,000							95
100	71.7	388.0	67,400							100
105	70.5	386.2	66,700							105
110	69.3	384.3	66,000	71.0	386.2	65,700				110
115	68.1	382.3	65,400	69.8	384.3	65,200				115
120	66.8	380.1	64,700	68.6	382.4	64,700				120
125	65.6	377.9	64,000	67.4	380.3	64,100				125
130	64.4	375.5	63,400	66.2	378.1	63,600	67.9	380.1	62,500	130
135	63.1	372.9	62,700	64.9	375.8	63,000	66.7	377.9	62,100	135
140	61.8	370.2	62,100	63.7	373.3	62,500	65.5	375.6	61,700	140
145	60.6	367.4	61,500	62.4	370.7	61,900	64.2	373.2	61,300	145
150	59.3	364.5	60,900	61.1	367.9	61,400	63.0	370.6	60,900	150
155	57.9	361.3	60,300	59.8	365.0	60,800	61.7	368.0	60,500	155
160	56.6	358.0	59,700	58.5	361.9	60,300	60.4	365.1	60,000	160
165	55.2	354.6	59,200	57.2	358.7	59,800	59.1	362.1	59,600	165
170	53.9	350.9	58,700	55.9	355.3	59,300	57.8	359.0	59,200	170
175	52.4	347.1	57,400	54.5	351.8	58,800	56.4	355.7	58,800	175
180	51.0	343.1	55,500	53.1	348.0	58,300	55.1	352.2	56,800	180
185	49.5	338.8	53,500	51.7	344.1	57,300	53.7	348.5	54,400	185
190	48.0	334.3	51,600	50.2	339.9	55,000	52.3	344.7	52,200	190
195	46.5	329.6	49,500	48.7	335.6	52,800	50.8	340.6	50,100	195
200	44.9	324.6	47,500	47.2	330.9	50,700	49.4	336.3	48,100	200
205	43.3	319.3	45,500	45.6	326.1	48,700	47.9	331.8	46,100	205
210	41.6	313.7	43,500	44.0	320.9	46,800	46.3	327.1	44,300	210
215	39.9	307.8	41,400	42.4	315.5	45,000	44.7	322.0	42,600	215
220	38.1	301.5	39,400	40.7	309.7	43,300	43.1	316.7	40,900	220
225	36.2	294.7	37,500	38.9	303.6	41,500	41.4	311.1	39,300	225
230	34.2	287.5	35,500	37.0	297.0	39,500	39.7	305.1	37,800	230
235	32.1	279.6	33,600	35.1	290.0	37,500	37.9	298.8	36,300	235
240	29.9	271.1	31,700	33.1	282.4	35,500	36.0	291.9	34,900	240
245	27.5	261.7	29,900	30.9	274.2	33,500	34.0	284.6	33,600	245
250	24.9	251.3	28,100	28.6	265.2	31,600	31.9	276.7	32,300	250
255	22.1	239.4	26,400	26.1	255.3	29,700	29.7	268.1	31,100	255
260	18.7	225.5	24,700	23.4	244.1	27,900	27.3	258.6	29,800	260
265	14.7	208.2	23,100	20.3	231.3	26,100	24.6	248.0	28,700	265
270	8.9	182.9	21,700	16.6	215.7	24,500	21.7	236.0	27,500	270
275				11.9	195.1	22,900	18.3	221.8	25,500	275
280							14.2	203.9	23,400	280
285							8.0	176.8	21,000	285
290										290
295										295
300										300
305										305
310										310
315										315



474,400 lb

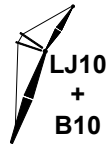


137.8 ft



255.9 ft

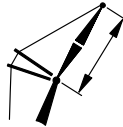
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.4	368.8	57,400							160
165	62.2	366.1	57,300							165
170	60.9	363.4	56,800							170
175	59.6	360.4	54,300							175
180	58.3	357.3	51,900							180
185	56.9	354.1	49,700							185
190	55.6	350.7	47,600	58.7	354.5	43,000				190
195	54.2	347.1	45,600	57.4	351.3	41,100				195
200	52.8	343.3	43,700	56.0	347.9	39,300				200
205	51.4	339.3	41,900	54.6	344.4	37,600				205
210	49.9	335.1	40,100	53.2	340.6	36,000				210
215	48.4	330.7	38,500	51.8	336.7	34,500				215
220	46.9	326.0	36,900	50.4	332.6	33,000	53.6	336.7	29,100	220
225	45.3	321.1	35,500	48.9	328.2	31,600	52.1	332.8	27,800	225
230	43.7	315.9	34,000	47.4	323.7	30,200	50.7	328.8	26,500	230
235	42.0	310.4	32,600	45.8	318.8	29,000	49.2	324.5	25,300	235
240	40.3	304.6	31,300	44.2	313.7	27,700	47.7	319.9	24,200	240
245	38.5	298.3	30,100	42.6	308.3	26,500	46.2	315.2	23,100	245
250	36.7	291.7	28,900	40.8	302.6	25,400	44.6	310.1	22,000	250
255	34.7	284.6	27,700	39.1	296.5	24,300	42.9	304.8	21,000	255
260	32.7	276.9	26,600	37.2	290.0	23,300	41.2	299.1	20,000	260
265	30.5	268.5	25,500	35.3	283.0	22,200	39.5	293.1	19,000	265
270	28.2	259.4	24,400	33.3	275.5	21,300	37.7	286.7	18,100	270
275	25.6	249.3	23,400	31.2	267.3	20,300	35.8	279.8	17,200	275
280	22.8	237.8	22,400	28.9	258.5	19,400	33.8	272.5	16,400	280
285	19.6	224.5	21,400	26.4	248.7	18,500	31.7	264.5	15,500	285
290	15.8	208.2	20,500	23.7	237.7	17,600	29.4	255.8	14,700	290
295	10.7	185.9	19,500	20.7	225.0	16,800	27.0	246.2	14,000	295
300				17.1	209.8	15,900	24.4	235.5	13,200	300
305				12.5	190.0	15,100	21.4	223.3	12,400	305
310				4.1	153.0	14,200	18.0	208.8	11,700	310
315							13.7	190.4	11,000	315



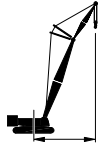
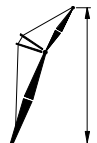
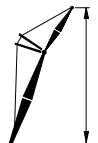
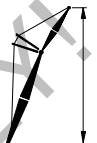
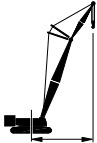
474,400 lb



137.8 ft



275.6 ft

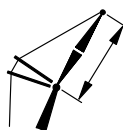
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.1	410.2	56,700							95
100	73.0	408.7	56,000							100
105	71.9	407.1	55,400							105
110	70.8	405.3	54,700							110
115	69.7	403.5	54,100	71.3	405.3	54,100				115
120	68.6	401.5	53,500	70.2	403.5	53,500				120
125	67.5	399.4	52,800	69.1	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	50,900	140
145	62.9	389.9	50,400	64.5	392.8	50,800	66.2	395.0	50,400	145
150	61.7	387.2	49,900	63.4	390.3	50,300	65.1	392.7	50,000	150
155	60.5	384.4	49,300	62.2	387.6	49,800	63.9	390.2	49,600	155
160	59.3	381.4	48,800	61.0	384.9	49,300	62.7	387.6	49,100	160
165	58.1	378.3	48,300	59.8	382.0	48,800	61.5	384.9	48,700	165
170	56.8	375.0	47,800	58.6	378.9	48,300	60.4	382.1	48,300	170
175	55.5	371.6	47,300	57.4	375.7	47,800	59.1	379.1	47,800	175
180	54.3	368.0	46,800	56.1	372.4	47,300	57.9	376.0	47,400	180
185	53.0	364.2	46,400	54.8	368.8	46,900	56.7	372.7	47,000	185
190	51.6	360.3	45,900	53.6	365.2	46,500	55.4	369.2	46,600	190
195	50.3	356.2	45,500	52.2	361.3	46,100	54.1	365.6	46,200	195
200	48.9	351.8	45,100	50.9	357.2	45,700	52.8	361.8	45,800	200
205	47.5	347.3	44,700	49.5	353.0	45,300	51.5	357.9	44,900	205
210	46.1	342.5	44,400	48.1	348.5	44,900	50.1	353.7	44,100	210
215	44.6	337.4	44,000	46.7	343.8	44,900	48.8	349.3	44,400	215
220	43.1	332.1	43,700	45.3	338.9	44,200	47.4	344.7	43,700	220
225	41.5	326.5	42,000	43.8	333.7	40,500	45.9	339.9	38,200	225
230	39.9	320.6	40,300	42.2	328.2	39,000	44.4	334.9	36,600	230
235	38.2	314.3	38,500	40.6	322.5	37,500	42.9	329.5	35,200	235
240	36.5	307.6	36,700	39.0	316.3	36,000	41.3	323.9	33,800	240
245	34.7	300.4	35,000	37.3	309.8	34,600	39.7	317.9	32,500	245
250	32.8	292.8	33,200	35.5	302.9	33,300	38.0	311.6	31,200	250
255	30.8	284.5	31,600	33.6	295.5	32,000	36.3	304.8	30,000	255
260	28.6	275.5	29,800	31.7	287.5	30,800	34.5	297.6	28,800	260
265	26.3	265.7	28,100	29.6	278.9	29,300	32.6	289.9	27,600	265
270	23.8	254.7	26,400	27.4	269.4	27,700	30.5	281.6	26,500	270
275	21.0	242.2	24,600	25.0	259.0	26,000	28.4	272.5	25,500	275
280	17.8	227.6	22,700	22.3	247.2	24,300	26.1	262.5	24,400	280
285	13.9	209.2	20,800	19.3	233.7	22,500	23.5	251.4	23,400	285
290	8.1	181.9	18,400	15.8	217.3	20,700	20.7	238.7	22,200	290
295				11.1	195.3	18,600	17.4	223.8	20,500	295
300							13.3	204.8	18,600	300
305							7.1	175.4	16,400	305
310										310
315										315
320										320
325										325



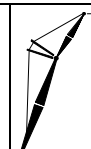
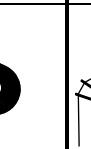
474,400 lb

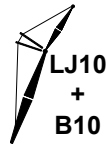


137.8 ft



275.6 ft

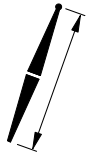
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	lb	ft
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	63.2	385.8	46,700							170
175	62.0	383.1	46,500							175
180	60.8	380.3	46,200							180
185	59.6	377.4	46,000							185
190	58.4	374.3	45,700							190
195	57.1	371.1	44,300							195
200	55.9	367.7	42,400	58.7	371.4	37,900				200
205	54.6	364.1	40,600	57.5	368.3	36,300				205
210	53.3	360.4	38,900	56.3	364.9	34,700				210
215	52.0	356.5	37,300	55.0	361.4	33,100				215
220	50.6	352.4	35,700	53.7	357.8	31,700				220
225	49.3	348.2	34,200	52.4	353.9	30,300				225
230	47.9	343.6	32,800	51.1	349.9	28,900	54.0	353.8	25,100	230
235	46.4	338.9	31,400	49.7	345.7	27,700	52.7	350.0	24,000	235
240	45.0	333.9	30,100	48.3	341.2	26,400	51.4	346.0	22,800	240
245	43.5	328.7	28,900	46.9	336.6	25,300	50.0	341.9	21,700	245
250	41.9	323.2	27,700	45.4	331.7	24,100	48.6	337.5	20,700	250
255	40.3	317.3	26,500	43.9	326.5	23,100	47.2	332.9	19,700	255
260	38.7	311.1	25,400	42.4	321.1	22,000	45.8	328.0	18,700	260
265	36.9	304.5	24,300	40.8	315.3	21,000	44.3	322.9	17,700	265
270	35.1	297.5	23,300	39.2	309.2	20,000	42.8	317.5	16,800	270
275	33.3	290.0	22,300	37.5	302.8	19,100	41.2	311.9	16,000	275
280	31.3	281.9	21,300	35.7	295.9	18,200	39.6	305.9	15,100	280
285	29.2	273.1	20,400	33.9	288.5	17,300	37.9	299.5	14,300	285
290	26.9	263.5	19,500	31.9	280.6	16,500	36.1	292.7	13,500	290
295	24.5	252.8	18,600	29.9	272.1	15,700	34.3	285.5	12,800	295
300	21.8	240.8	17,700	27.6	262.7	14,900	32.4	277.7	12,000	300
305	18.7	226.8	16,900	25.3	252.4	14,100	30.3	269.3	11,300	305
310	15.0	209.6	16,000	22.6	240.8	13,300				310
315	9.9	185.7	15,200	19.7	227.5	12,600				315
320				16.2	211.5	11,800				320
325				11.7	190.4	11,100				325



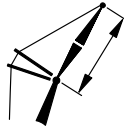
474,400 lb



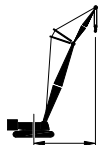
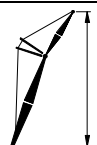
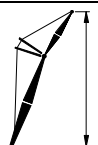
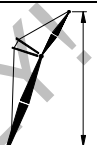
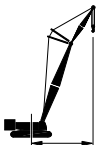
360°

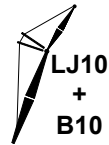


137.8 ft



295.3 ft

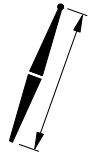
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.2	429.3	47,400							100
105	73.2	427.8	46,800							105
110	72.1	426.1	46,200							110
115	71.1	424.4	45,600							115
120	70.1	422.6	45,000	71.6	424.4	45,100				120
125	69.0	420.7	44,400	70.6	422.6	44,600				125
130	68.0	418.7	43,800	69.5	420.8	44,100				130
135	66.9	416.5	43,300	68.5	418.8	43,500				135
140	65.9	414.3	42,700	67.4	416.7	43,000	68.9	418.5	42,700	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	40,900	160
165	60.4	401.3	40,100	62.0	404.6	40,500	63.6	407.2	40,500	165
170	59.3	398.4	39,600	60.9	401.8	40,100	62.5	404.6	40,100	170
175	58.1	395.3	39,100	59.8	398.9	39,600	61.4	401.9	39,700	175
180	57.0	392.0	38,700	58.7	395.9	39,200	60.3	399.0	39,300	180
185	55.8	388.6	38,200	57.5	392.7	38,700	59.2	396.0	38,900	185
190	54.6	385.1	37,800	56.3	389.4	38,300	58.0	392.9	38,500	190
195	53.4	381.4	37,400	55.2	385.9	37,900	56.9	389.7	38,100	195
200	52.2	377.5	37,000	54.0	382.3	37,500	55.7	386.3	37,700	200
205	50.9	373.5	36,600	52.7	378.5	37,100	54.5	382.7	37,300	205
210	49.7	369.2	36,300	51.5	374.5	36,800	53.3	379.0	36,900	210
215	48.4	364.8	35,900	50.3	370.4	36,400	52.1	375.1	36,600	215
220	47.1	360.2	35,600	49.0	366.0	36,100	50.8	371.0	36,200	220
225	45.7	355.3	35,300	47.7	361.5	35,700	49.5	366.8	35,900	225
230	44.3	350.2	35,000	46.3	356.7	35,400	48.2	362.3	35,100	230
235	42.9	344.9	34,700	44.9	351.7	35,100	46.9	357.7	33,700	235
240	41.4	339.2	34,400	43.5	346.5	34,600	45.6	352.8	32,300	240
245	39.9	333.3	34,200	42.1	341.0	33,200	44.2	347.6	31,000	245
250	38.4	327.0	33,200	40.6	335.2	31,900	42.7	342.3	29,700	250
255	36.8	320.4	31,700	39.1	329.1	30,600	41.3	336.6	28,500	255
260	35.1	313.4	30,100	37.5	322.6	29,400	39.8	330.6	27,300	260
265	33.3	305.9	28,600	35.9	315.8	28,200	38.2	324.3	26,200	265
270	31.5	297.8	27,100	34.1	308.5	27,100	36.6	317.7	25,100	270
275	29.6	289.2	25,600	32.3	300.7	26,000	34.9	310.6	24,000	275
280	27.5	279.7	24,100	30.4	292.3	24,900	33.1	303.0	23,000	280
285	25.3	269.4	22,600	28.4	283.3	23,700	31.3	294.9	22,000	285
290	22.8	257.9	21,000	26.3	273.4	22,200	29.3	286.2	21,100	290
295	20.1	244.8	19,500	24.0	262.4	20,700	27.3	276.7	20,100	295
300	17.0	229.4	17,800	21.4	250.1	19,200	25.0	266.2	19,200	300
305	13.1	210.1	16,000	18.5	235.9	17,600	22.5	254.6	18,400	305
310	7.3	180.6	13,900	15.0	218.6	16,000	19.8	241.3	17,400	310
315				10.3	195.3	14,100	16.6	225.5	15,800	315
320							12.6	205.5	14,100	320
325							6.3	173.6	12,100	325
330										330
335										335



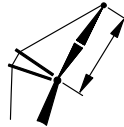
474,400 lb



360°

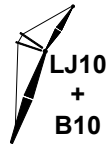


137.8 ft



295.3 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	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	64.0	405.3	38,500							175
180	62.9	402.8	38,300							180
185	61.8	400.1	38,000							185
190	60.7	397.3	37,700							190
195	59.6	394.3	37,400							195
200	58.4	391.3	37,100							200
205	57.3	388.1	36,800							205
210	56.1	384.7	36,500	58.8	388.4	32,900				210
215	54.9	381.2	35,600	57.6	385.2	31,400				215
220	53.7	377.5	34,100	56.5	381.9	29,900				220
225	52.5	373.7	32,600	55.3	378.5	28,600				225
230	51.3	369.7	31,200	54.1	374.9	27,200				230
235	50.0	365.5	29,800	52.9	371.1	26,000				235
240	48.7	361.2	28,500	51.6	367.1	24,800				240
245	47.4	356.6	27,300	50.4	363.0	23,600	53.2	367.2	20,000	245
250	46.1	351.8	26,100	49.1	358.7	22,500	51.9	363.3	18,900	250
255	44.7	346.7	24,900	47.8	354.2	21,400	50.7	359.2	17,900	255
260	43.3	341.5	23,800	46.5	349.5	20,400	49.4	354.9	17,000	260
265	41.8	335.9	22,800	45.1	344.5	19,400	48.1	350.4	16,000	265
270	40.3	330.1	21,800	43.7	339.3	18,400	46.8	345.8	15,100	270
275	38.8	323.9	20,800	42.3	333.8	17,500	45.4	340.8	14,300	275
280	37.2	317.3	19,800	40.8	328.1	16,600	44.0	335.7	13,400	280
285	35.5	310.4	18,900	39.3	322.0	15,700	42.6	330.3	12,600	285
290	33.8	303.0	18,000	37.7	315.6	14,900	41.1	324.6	11,900	290
295	32.0	295.1	17,100	36.0	308.8	14,100	39.6	318.6	11,100	295
300	30.1	286.6	16,300	34.3	301.5	13,300				300
305	28.0	277.4	15,500	32.5	293.8	12,600				305
310	25.8	267.3	14,700	30.7	285.5	11,800				310
315	23.5	256.2	13,900	28.7	276.5	11,100				315
320	20.8	243.5	13,100							320
325	17.8	228.8	12,400							325
330	14.2	210.7	11,700							330
335	9.1	185.3	10,900							335



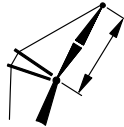
474,400 lb



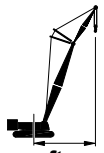
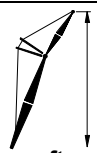
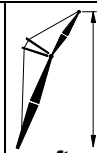
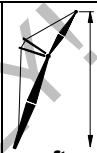
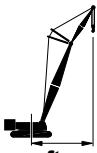
360°

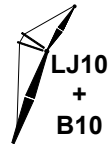


137.8 ft



315.0 ft

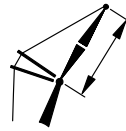
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
105	74.2	448.3	39,600							105
110	73.3	446.8	39,000							110
115	72.3	445.2	38,400							115
120	71.4	443.5	37,800							120
125	70.4	441.7	37,300	71.8	443.5	37,500				125
130	69.4	439.9	36,700	70.9	441.8	37,000				130
135	68.5	437.9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



474,400 lb

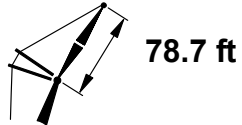
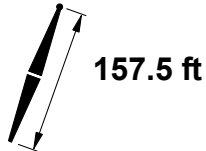
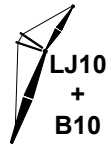


137.8 ft

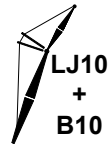


315.0 ft

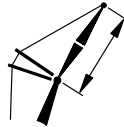
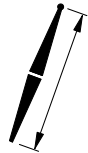
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185	63.7	422.3	31,300				185
190	62.7	419.7	31,000				190
195	61.7	417.0	30,700				195
200	60.6	414.2	30,400				200
205	59.6	411.3	30,100				205
210	58.5	408.2	29,800				210
215	57.4	405.0	29,500				215
220	56.3	401.7	29,200	58.8	405.4	28,200	220
225	55.2	398.3	28,900	57.8	402.2	27,100	225
230	54.1	394.6	28,600	56.7	398.9	25,800	230
235	53.0	390.9	28,300	55.6	395.5	24,500	235
240	51.8	386.9	27,200	54.4	391.9	23,300	240
245	50.6	382.9	25,900	53.3	388.2	22,200	245
250	49.4	378.6	24,700	52.2	384.3	21,100	250
255	48.2	374.1	23,600	51.0	380.3	20,000	255
260	47.0	369.5	22,500	49.8	376.1	19,000	260
265	45.7	364.6	21,400	48.6	371.7	18,000	265
270	44.4	359.5	20,400	47.4	367.1	17,000	270
275	43.1	354.2	19,400	46.1	362.3	16,100	275
280	41.7	348.7	18,500	44.8	357.3	15,200	280
285	40.3	342.8	17,600	43.5	352.1	14,400	285
290	38.9	336.6	16,700	42.1	346.6	13,500	290
295	37.4	330.2	15,800	40.8	340.8	12,700	295
300	35.8	323.3	15,000	39.3	334.7	12,000	300
305	34.2	316.0	14,200	37.9	328.4	11,200	305
310	32.6	308.3	13,400				310
315	30.8	300.0	12,700				315
320	29.0	291.1	11,900				320
325	27.0	281.5	11,200				325
330							330



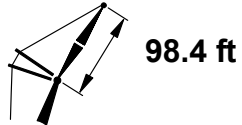
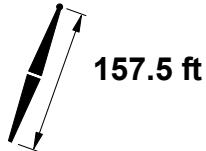
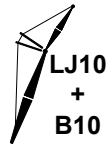
	86°			83°			80°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	72.1	239.7	278,800 c							45
50	68.2	237.7	261,000 c							50
55	64.2	235.2	244,400 b							55
60	60.0	232.3	228,300	70.8	238.1	252,100 c				60
65	55.6	228.9	208,900	66.8	236.0	236,100 b				65
70	50.9	224.9	192,800	62.7	233.4	213,900 b				70
75	45.9	220.1	179,300	58.5	230.3	195,600	65.4	233.8	194,600 b	75
80	40.3	214.4	167,900	54.0	226.7	180,200	61.2	231.0	179,200 b	80
85	34.0	207.3	156,400	49.2	222.4	167,000	56.9	227.8	166,100	85
90	26.2	197.9	146,400	44.0	217.4	155,600	52.3	223.9	154,700	90
95	14.7	182.9	131,200	38.2	211.2	145,600	47.4	219.4	144,800	95
100				31.5	203.4	136,800	42.0	214.0	136,100	100
105				23.0	192.8	129,100	36.0	207.3	128,400	105
110				6.0	170.2	116,800	28.8	198.8	121,500	110
115							19.0	186.3	115,300	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

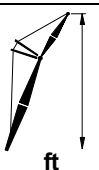
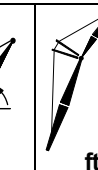
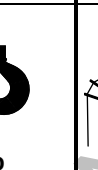
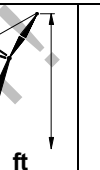


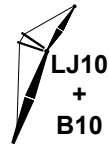
474,400 lb



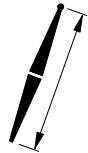
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	59.9	226.9	143,600 b							90
95	55.5	223.5	134,900							95
100	50.9	219.5	127,300							100
105	45.8	214.7	120,400	58.4	221.4	113,800				105
110	40.3	209.0	114,300	53.9	217.8	107,500				110
115	34.0	201.8	108,700	49.1	213.5	101,800				115
120	26.2	192.4	103,100	43.9	208.4	96,500				120
125	14.7	177.4	97,700	38.1	202.2	91,600	51.8	210.5	85,100	125
130				31.4	194.4	87,000	46.8	205.8	80,900	130
135				22.7	183.7	82,800	41.4	200.3	77,000	135
140				4.7	159.5	78,300	35.2	193.5	73,400	140
145							27.8	184.6	69,900	145
150							17.5	171.3	66,600	150



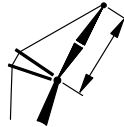
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	72.8	258.8	245,100 c							50
55	69.7	256.9	231,500 b							55
60	66.5	254.7	218,600							60
65	63.2	252.2	206,500	71.7	257.2	224,300 b				65
70	59.9	249.3	192,600	68.6	255.3	212,500 b				70
75	56.4	246.0	178,400	65.4	253.0	196,300				75
80	52.7	242.2	166,300	62.1	250.3	180,800	67.4	253.2	179,800 b	80
85	48.9	237.9	155,900	58.7	247.3	167,500	64.2	250.7	166,600	85
90	44.8	232.9	146,900	55.1	243.8	156,100	60.9	248.0	155,300	90
95	40.3	227.1	138,100	51.4	239.9	146,100	57.4	244.8	145,300	95
100	35.4	220.3	130,200	47.5	235.3	137,300	53.8	241.1	136,600	100
105	29.7	211.9	123,200	43.3	230.1	129,500	50.0	237.0	128,800	105
110	22.7	201.0	114,400	38.7	224.0	122,600	46.0	232.2	121,900	110
115	12.0	183.2	102,400	33.5	216.7	116,300	41.7	226.7	115,700	115
120				27.5	207.7	110,600	36.9	220.2	110,100	120
125				19.7	195.3	103,900	31.5	212.4	104,900	125
130							25.0	202.4	100,300	130
135							16.0	187.8	94,100	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170



474,400 lb

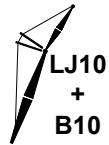


157.5 ft



98.4 ft

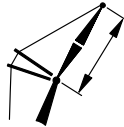
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	63.2	246.8	135,400							95
100	59.9	243.9	127,600							100
105	56.4	240.6	120,300							105
110	52.7	236.8	113,700							110
115	48.9	232.4	107,600	58.6	238.4	100,000				115
120	44.8	227.5	102,100	55.0	234.9	94,800				120
125	40.3	221.7	97,000	51.3	230.9	90,100				125
130	35.4	214.9	92,200	47.4	226.4	85,700				130
135	29.7	206.5	87,800	43.2	221.1	81,600	53.4	227.7	75,300	135
140	22.7	195.6	83,700	38.6	215.0	77,800	49.6	223.5	71,800	140
145	11.9	177.8	79,700	33.4	207.7	74,300	45.5	218.6	68,500	145
150				27.4	198.6	70,900	41.2	213.0	65,400	150
155				19.5	186.1	67,700	36.3	206.4	62,500	155
160							30.8	198.4	59,800	160
165							24.2	188.1	57,200	165
170							14.6	172.4	54,600	170



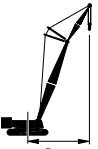
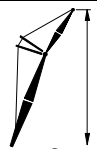
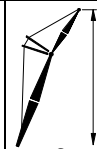
474,400 lb



157.5 ft

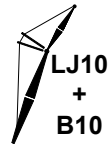


118.1 ft

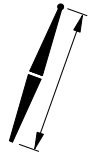
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
55	73.2	277.8	217,000 b							55
60	70.6	276.1	206,500							60
65	68.0	274.0	196,400							65
70	65.3	271.7	186,700	69.7	274.5	191,300				70
75	62.6	269.1	177,600	67.1	272.4	181,200				75
80	59.8	266.2	166,600	64.4	270.0	167,900	68.8	272.4	167,000	80
85	56.9	263.0	155,700	61.6	267.3	156,500	66.1	270.2	155,600	85
90	53.9	259.4	146,200	58.8	264.3	146,500	63.4	267.7	145,700	90
95	50.8	255.3	137,900	55.9	260.9	137,600	60.6	264.9	136,900	95
100	47.5	250.8	130,500	52.8	257.1	129,800	57.8	261.8	129,100	100
105	44.0	245.7	123,500	49.7	252.9	122,800	54.8	258.2	122,200	105
110	40.3	239.9	117,200	46.3	248.2	116,600	51.7	254.3	115,900	110
115	36.3	233.2	111,500	42.8	242.8	110,900	48.5	249.9	110,300	115
120	31.8	225.4	106,300	39.0	236.8	105,800	45.1	245.0	105,200	120
125	26.6	216.0	99,700	34.8	229.8	101,100	41.5	239.4	100,500	125
130	20.1	203.6	91,500	30.1	221.5	96,800	37.5	233.1	96,200	130
135	9.8	182.9	82,500	24.6	211.2	91,400	33.2	225.7	92,300	135
140				17.3	197.1	83,800	28.2	216.8	88,700	140
145							22.3	205.5	83,700	145
150							13.8	188.7	76,400	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC300 S-3

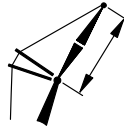
ASME B30.5



474,400 lb

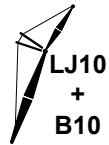


157.5 ft



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	62.6	263.7	119,100							105
110	59.8	260.8	112,500							110
115	56.9	257.6	106,500							115
120	53.9	253.9	101,000							120
125	50.8	249.9	96,000	58.7	255.3	88,800				125
130	47.5	245.3	91,300	55.8	252.0	84,500				130
135	44.0	240.2	87,000	52.8	248.2	80,500				135
140	40.3	234.4	83,000	49.6	243.9	76,800				140
145	36.3	227.8	79,300	46.3	239.2	73,300				145
150	31.8	220.0	75,800	42.7	233.9	70,000	51.4	240.9	64,300	150
155	26.6	210.5	72,500	38.9	227.8	67,000	48.1	236.4	61,400	155
160	20.1	198.1	69,400	34.7	220.8	64,100	44.7	231.4	58,800	160
165	9.8	177.4	66,300	30.0	212.4	61,400	41.0	225.8	56,300	165
170				24.4	202.1	58,800	37.1	219.3	53,900	170
175				17.1	187.9	56,300	32.7	211.7	51,700	175
180							27.6	202.6	49,500	180
185							21.5	190.9	47,500	185
190							12.4	173.0	45,400	190



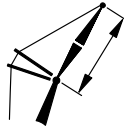
474,400 lb



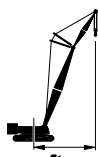
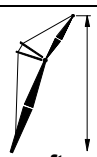
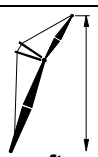
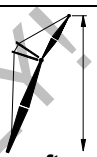
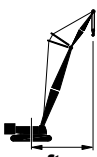
360°



157.5 ft



137.8 ft

	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
60	73.5	296.9	187,500							60
65	71.3	295.2	180,100							65
70	69.1	293.3	172,800							70
75	66.8	291.1	165,700	70.5	293.7	172,100				75
80	64.5	288.8	158,900	68.3	291.7	164,900				80
85	62.2	286.1	151,900	66.0	289.4	157,000				85
90	59.7	283.2	144,500	63.7	287.0	146,900	67.5	289.6	146,100	90
95	57.3	280.0	137,500	61.3	284.2	138,100	65.2	287.2	137,300	95
100	54.7	276.5	130,200	58.9	281.2	130,300	62.9	284.7	129,500	100
105	52.1	272.6	123,400	56.4	277.9	123,200	60.5	281.9	122,600	105
110	49.4	268.3	117,400	53.8	274.3	116,900	58.0	278.7	116,300	110
115	46.5	263.6	111,900	51.2	270.3	111,300	55.5	275.3	110,600	115
120	43.5	258.4	106,700	48.4	265.9	106,100	52.9	271.5	105,500	120
125	40.3	252.6	101,900	45.5	261.0	101,400	50.2	267.4	100,800	125
130	36.9	246.1	97,600	42.4	255.6	97,100	47.4	262.8	96,500	130
135	33.2	238.6	92,900	39.2	249.6	93,100	44.4	257.8	92,300	135
140	29.0	230.0	86,800	35.7	242.7	89,400	41.3	252.2	88,100	140
145	24.2	219.4	80,700	31.8	234.9	85,700	38.0	245.9	84,100	145
150	18.1	205.7	74,400	27.4	225.7	80,100	34.3	238.7	80,400	150
155	7.9	181.7	67,300	22.3	214.3	74,400	30.3	230.5	77,000	155
160				15.4	198.6	68,400	25.7	220.6	73,700	160
165							20.1	208.0	68,500	165
170							12.0	189.2	62,700	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210



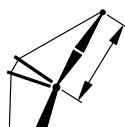
474,400 lb



360°

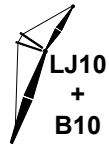


157.5 ft

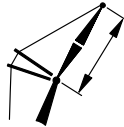


137.8 ft

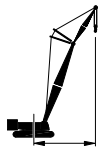
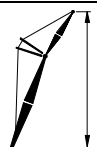
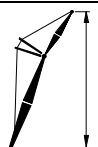
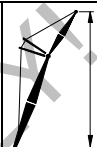
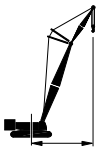
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.1	280.7	104,700							115
120	59.7	277.8	99,300							120
125	57.3	274.6	94,300							125
130	54.7	271.0	89,700							130
135	52.1	267.2	85,400	58.8	272.3	78,600				135
140	49.4	262.9	81,500	56.4	269.0	74,900				140
145	46.5	258.2	77,800	53.8	265.3	71,500				145
150	43.5	253.0	74,400	51.1	261.3	68,300				150
155	40.3	247.2	71,200	48.3	256.9	65,300				155
160	36.9	240.7	68,200	45.4	252.0	62,500	52.6	258.1	56,900	160
165	33.2	233.2	65,300	42.4	246.6	59,900	49.9	253.9	54,500	165
170	29.0	224.5	62,600	39.1	240.6	57,400	47.0	249.3	52,200	170
175	24.2	214.0	60,100	35.6	233.7	55,100	44.1	244.2	50,000	175
180	18.1	200.2	57,600	31.7	225.9	52,800	40.9	238.5	48,000	180
185	7.9	176.3	55,100	27.3	216.6	50,700	37.6	232.1	46,000	185
190				22.1	205.1	48,600	33.9	224.9	44,100	190
195				15.2	189.3	46,600	29.8	216.4	42,400	195
200							25.1	206.3	40,600	200
205							19.3	193.3	39,000	205
210							10.6	172.9	37,300	210

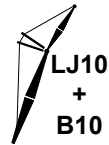


157.5 ft

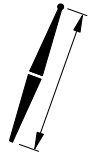


157.5 ft

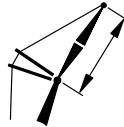
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.7	316.0	154,700							65
70	71.8	314.3	148,900							70
75	69.9	312.5	143,200							75
80	67.9	310.4	137,700	71.1	312.8	147,700				80
85	65.9	308.2	132,300	69.2	310.9	142,400				85
90	63.9	305.7	127,000	67.2	308.8	137,200				90
95	61.8	303.1	121,800	65.2	306.5	132,100	68.5	308.8	137,800	95
100	59.7	300.1	116,600	63.2	303.9	127,000	66.5	306.6	129,900	100
105	57.6	297.0	111,500	61.1	301.2	121,700	64.5	304.3	122,900	105
110	55.3	293.5	106,500	59.0	298.2	116,500	62.4	301.7	116,700	110
115	53.1	289.8	101,700	56.8	294.9	111,400	60.3	298.8	111,000	115
120	50.7	285.7	97,100	54.6	291.4	106,400	58.2	295.7	105,200	120
125	48.3	281.3	92,700	52.3	287.5	101,600	56.0	292.3	100,000	125
130	45.8	276.5	88,300	49.9	283.3	97,000	53.8	288.7	95,100	130
135	43.1	271.2	84,300	47.4	278.8	92,400	51.4	284.7	90,600	135
140	40.3	265.4	80,400	44.9	273.8	88,100	49.0	280.4	86,400	140
145	37.4	258.9	76,700	42.2	268.3	84,100	46.5	275.7	82,500	145
150	34.2	251.7	73,300	39.3	262.3	80,300	43.9	270.6	78,800	150
155	30.7	243.5	70,000	36.3	255.6	76,600	41.2	264.9	75,400	155
160	26.8	234.0	66,900	33.0	248.1	73,100	38.3	258.7	72,300	160
165	22.2	222.5	63,900	29.4	239.5	69,800	35.2	251.7	69,200	165
170	16.4	207.3	60,700	25.3	229.4	65,300	31.8	243.8	66,400	170
175	6.2	179.7	55,000	20.4	216.9	60,900	28.0	234.8	63,700	175
180				13.8	199.6	56,000	23.7	223.9	60,400	180
185							18.3	210.2	56,000	185
190							10.4	189.1	51,300	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230



474,400 lb

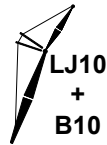


157.5 ft



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	97,300							120
125	61.8	297.6	92,300							125
130	59.7	294.7	87,800							130
135	57.6	291.6	83,500							135
140	55.3	288.1	79,600							140
145	53.1	284.4	76,000	58.9	289.3	69,500				145
150	50.7	280.3	72,600	56.8	286.0	66,300				150
155	48.3	275.9	69,400	54.5	282.4	63,400				155
160	45.8	271.0	66,400	52.2	278.6	60,600				160
165	43.1	265.8	63,600	49.9	274.4	58,000				165
170	40.3	259.9	61,000	47.4	269.8	55,500	53.5	275.3	50,200	170
175	37.4	253.5	58,500	44.8	264.8	53,200	51.2	271.3	48,000	175
180	34.2	246.3	56,100	42.1	259.4	51,000	48.8	266.9	46,000	180
185	30.7	238.1	53,900	39.3	253.3	49,000	46.2	262.2	44,100	185
190	26.8	228.6	51,700	36.2	246.6	47,000	43.6	257.0	42,200	190
195	22.2	217.0	49,700	32.9	239.1	45,100	40.9	251.2	40,500	195
200	16.4	201.9	47,700	29.3	230.5	43,300	37.9	244.9	38,900	200
205	6.1	174.2	45,300	25.2	220.3	41,600	34.8	237.9	37,300	205
210				20.3	207.7	39,900	31.4	229.9	35,800	210
215				13.6	190.2	38,300	27.5	220.6	34,300	215
220							23.1	209.6	32,900	220
225							17.6	195.3	31,500	225
230							9.1	172.4	30,100	230



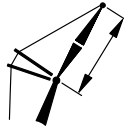
474,400 lb



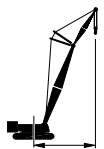
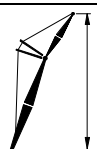
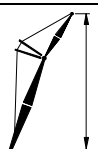
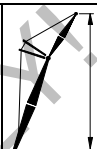
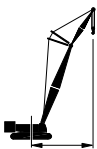
360°



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	124,400	71.6	331.9	129,000				85
90	67.0	327.6	119,600	69.9	330.1	128,400				90
95	65.2	325.2	115,000	68.1	328.1	123,900				95
100	63.4	322.7	110,500	66.4	325.9	119,300				100
105	61.6	320.0	106,100	64.6	323.5	114,900	67.5	326.0	121,900	105
110	59.7	317.1	101,800	62.8	320.9	110,400	65.7	323.7	115,500	110
115	57.8	314.0	97,700	60.9	318.1	106,100	63.9	321.3	109,300	115
120	55.8	310.6	93,700	59.0	315.1	102,000	62.1	318.6	103,600	120
125	53.8	306.9	89,700	57.1	311.9	97,900	60.2	315.8	98,300	125
130	51.8	303.0	86,000	55.1	308.4	93,800	58.3	312.7	93,500	130
135	49.6	298.8	82,200	53.1	304.7	89,900	56.4	309.4	89,000	135
140	47.5	294.2	78,700	51.0	300.7	86,000	54.4	305.8	84,800	140
145	45.2	289.3	75,300	48.9	296.3	82,300	52.4	302.0	80,900	145
150	42.8	283.9	72,000	46.7	291.7	78,700	50.3	297.8	77,300	150
155	40.3	278.1	68,800	44.4	286.6	75,300	48.1	293.4	74,000	155
160	37.7	271.7	65,800	42.0	281.1	72,000	45.9	288.6	70,800	160
165	34.9	264.7	62,900	39.5	275.1	68,800	43.5	283.3	67,800	165
170	31.9	256.9	60,100	36.8	268.5	65,800	41.1	277.7	65,000	170
175	28.6	248.0	57,500	33.9	261.2	62,900	38.5	271.5	62,400	175
180	24.9	237.7	55,000	30.8	253.0	60,100	35.8	264.6	59,900	180
185	20.6	225.2	52,500	27.4	243.7	57,500	32.8	257.1	57,500	185
190	15.0	208.7	50,200	23.5	232.7	54,000	29.6	248.5	55,300	190
195	4.3	176.1	45,200	18.8	219.2	50,200	26.1	238.7	53,100	195
200				12.5	200.2	46,200	21.9	226.9	49,900	200
205							16.8	212.0	46,300	205
210							9.1	188.6	42,300	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250

MLC300 S-3

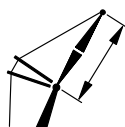
ASME B30.5



474,400 lb

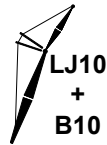


157.5 ft



177.2 ft

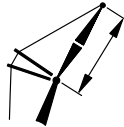
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.4	317.3	85,900							130
135	61.6	314.6	81,700							135
140	59.7	311.7	77,900							140
145	57.8	308.5	74,200							145
150	55.8	305.1	70,900							150
155	53.8	301.5	67,700	59.0	306.2	61,500				155
160	51.8	297.6	64,800	57.1	303.0	58,800				160
165	49.6	293.4	62,000	55.1	299.5	56,200				165
170	47.5	288.8	59,400	53.1	295.8	53,800				170
175	45.2	283.9	56,900	51.0	291.7	51,500				175
180	42.8	278.5	54,600	48.9	287.4	49,300				180
185	40.3	272.7	52,400	46.6	282.7	47,300	52.1	288.5	42,200	185
190	37.7	266.3	50,300	44.3	277.6	45,300	50.0	284.3	40,400	190
195	34.9	259.3	48,300	41.9	272.1	43,500	47.9	279.8	38,700	195
200	31.9	251.4	46,400	39.4	266.1	41,800	45.6	275.0	37,100	200
205	28.6	242.5	44,600	36.7	259.5	40,100	43.3	269.7	35,600	205
210	24.9	232.2	42,900	33.9	252.2	38,500	40.8	264.0	34,100	210
215	20.6	219.7	41,200	30.7	244.0	36,900	38.2	257.7	32,700	215
220	15.0	203.2	39,500	27.3	234.6	35,500	35.5	250.8	31,300	220
225	4.3	170.6	37,200	23.4	223.6	34,000	32.5	243.1	30,000	225
230				18.7	210.0	32,700	29.2	234.5	28,800	230
235				12.3	190.8	31,300	25.6	224.4	27,600	235
240							21.4	212.4	26,400	240
245							16.2	196.9	25,200	245
250							7.7	171.2	24,000	250



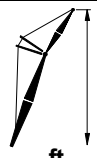
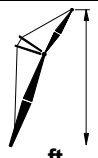
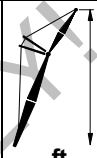
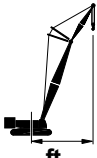
474,400 lb

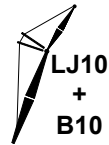


157.5 ft

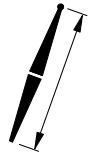


196.9 ft

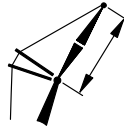
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.0	354.1	110,300							75
80	72.5	352.5	109,800							80
85	71.0	350.8	109,200							85
90	69.4	348.9	108,500	72.0	351.0	107,400				90
95	67.8	346.8	107,800	70.4	349.2	107,200				95
100	66.3	344.6	107,100	68.9	347.3	106,900				100
105	64.6	342.3	106,300	67.3	345.2	106,600				105
110	63.0	339.7	104,900	65.7	342.9	106,300	68.3	345.2	103,400	110
115	61.3	337.0	102,200	64.1	340.5	105,900	66.7	343.1	103,400	115
120	59.7	334.1	99,600	62.4	337.9	104,000	65.1	340.7	102,400	120
125	57.9	330.9	97,000	60.8	335.1	100,300	63.5	338.3	97,100	125
130	56.2	327.6	94,500	59.1	332.1	96,400	61.8	335.6	92,300	130
135	54.4	324.0	91,800	57.3	328.9	91,900	60.2	332.7	87,800	135
140	52.6	320.2	88,200	55.6	325.5	87,600	58.5	329.6	83,700	140
145	50.7	316.1	84,900	53.8	321.8	83,700	56.7	326.4	79,800	145
150	48.8	311.8	81,400	51.9	317.9	80,000	54.9	322.9	76,200	150
155	46.8	307.1	77,900	50.0	313.8	76,600	53.1	319.1	72,900	155
160	44.7	302.1	74,400	48.1	309.3	73,400	51.3	315.1	69,700	160
165	42.6	296.7	70,900	46.1	304.5	70,300	49.4	310.9	66,800	165
170	40.3	290.9	67,500	44.0	299.4	67,500	47.4	306.3	64,000	170
175	38.0	284.5	64,200	41.8	293.8	64,700	45.3	301.4	61,400	175
180	35.5	277.6	61,000	39.5	287.8	62,200	43.2	296.1	58,900	180
185	32.9	270.1	57,900	37.2	281.3	59,700	41.0	290.4	56,600	185
190	30.0	261.6	54,700	34.6	274.2	56,900	38.7	284.2	54,300	190
195	26.9	252.0	51,600	31.9	266.3	53,900	36.3	277.5	52,200	195
200	23.3	241.0	48,500	29.0	257.5	50,900	33.7	270.2	50,200	200
205	19.2	227.5	45,200	25.7	247.5	48,000	30.9	262.0	48,300	205
210	13.8	209.7	41,700	22.0	235.7	45,000	27.8	252.8	46,500	210
215				17.5	221.2	41,800	24.4	242.2	44,400	215
220				11.3	200.4	38,400	20.5	229.6	41,500	220
225							15.6	213.5	38,500	225
230							7.9	187.5	35,000	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270



474,400 lb

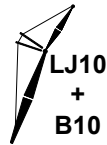


157.5 ft



196.9 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	63.0	334.3	76,500							140
145	61.3	331.6	72,900							145
150	59.7	328.6	69,600							150
155	57.9	325.5	66,500							155
160	56.2	322.2	63,500							160
165	54.4	318.6	60,800							165
170	52.6	314.8	58,200	57.3	320.0	52,400				170
175	50.7	310.7	55,800	55.5	316.6	50,200				175
180	48.8	306.3	53,500	53.7	312.9	48,000				180
185	46.8	301.7	51,300	51.9	309.0	46,000				185
190	44.7	296.7	49,200	50.0	304.8	44,100				190
195	42.6	291.3	47,300	48.0	300.3	42,300	52.9	305.7	37,400	195
200	40.3	285.4	45,400	46.0	295.5	40,600	51.0	301.7	35,800	200
205	38.0	279.1	43,600	43.9	290.4	38,900	49.1	297.4	34,300	205
210	35.5	272.2	41,900	41.8	284.9	37,300	47.1	292.7	32,800	210
215	32.9	264.6	40,300	39.5	278.9	35,800	45.1	287.8	31,400	215
220	30.0	256.2	38,700	37.1	272.3	34,400	43.0	282.5	30,100	220
225	26.9	246.6	37,200	34.6	265.2	33,000	40.8	276.7	28,800	225
230	23.3	235.5	35,800	31.9	257.3	31,700	38.4	270.5	27,600	230
235	19.2	222.1	34,400	28.9	248.5	30,400	36.0	263.7	26,500	235
240	13.8	204.2	33,000	25.6	238.4	29,200	33.4	256.3	25,300	240
245				21.9	226.6	28,000	30.6	248.0	24,300	245
250				17.4	211.9	26,800	27.5	238.7	23,200	250
255				11.1	191.0	25,700	24.0	227.9	22,200	255
260							20.0	215.0	21,200	260
265							14.9	198.2	20,200	265
270							6.3	169.3	19,100	270



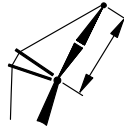
474,400 lb



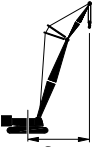
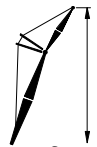
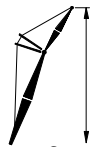
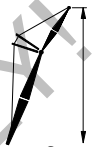
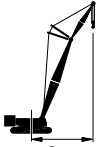
360°



157.5 ft

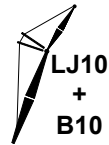


216.5 ft

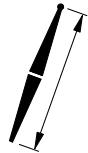
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.1	373.1	92,600							80
85	72.8	371.6	92,000							85
90	71.4	369.9	91,500							90
95	70.0	368.0	90,900							95
100	68.5	366.1	90,300	70.9	368.4	89,600				100
105	67.1	364.0	89,600	69.5	366.5	89,300				105
110	65.6	361.7	89,000	68.0	364.5	88,900				110
115	64.2	359.3	88,300	66.6	362.3	88,600	69.0	364.4	86,000	115
120	62.7	356.7	87,700	65.1	360.0	88,200	67.5	362.4	86,000	120
125	61.2	353.9	87,000	63.7	357.5	87,700	66.1	360.1	85,900	125
130	59.6	351.0	86,400	62.2	354.9	87,300	64.6	357.8	85,800	130
135	58.1	347.9	84,200	60.7	352.0	86,900	63.1	355.2	85,700	135
140	56.5	344.6	81,700	59.1	349.1	86,000	61.6	352.5	82,000	140
145	54.9	341.1	79,300	57.5	345.9	82,200	60.1	349.7	78,200	145
150	53.2	337.4	76,900	55.9	342.5	78,500	58.6	346.6	74,600	150
155	51.5	333.4	74,500	54.3	338.9	75,100	57.0	343.4	71,300	155
160	49.8	329.2	72,200	52.7	335.1	71,900	55.4	339.9	68,100	160
165	48.0	324.7	70,000	51.0	331.1	68,900	53.7	336.3	65,200	165
170	46.2	320.0	67,200	49.2	326.8	66,000	52.1	332.4	62,400	170
175	44.3	314.9	64,400	47.4	322.2	63,300	50.3	328.2	59,800	175
180	42.4	309.4	61,500	45.6	317.3	60,700	48.6	323.9	57,400	180
185	40.3	303.6	58,700	43.7	312.1	58,300	46.8	319.2	55,100	185
190	38.2	297.3	55,900	41.7	306.6	56,000	44.9	314.2	52,900	190
195	36.0	290.5	53,200	39.6	300.6	53,900	43.0	308.9	50,800	195
200	33.6	283.1	50,600	37.5	294.1	51,800	41.0	303.2	48,800	200
205	31.1	275.0	48,000	35.2	287.2	49,700	38.9	297.0	46,900	205
210	28.4	266.0	45,400	32.8	279.5	47,100	36.7	290.4	45,100	210
215	25.4	255.8	42,800	30.2	271.1	44,600	34.3	283.2	43,400	215
220	22.0	244.0	40,100	27.4	261.7	42,200	31.9	275.3	41,700	220
225	17.9	229.6	37,400	24.2	251.0	39,700	29.2	266.6	40,100	225
230	12.7	210.4	34,300	20.7	238.5	37,100	26.3	256.7	38,600	230
235				16.3	222.8	34,400	23.0	245.5	36,600	235
240				10.2	200.3	31,400	19.2	232.0	34,200	240
245							14.5	214.7	31,600	245
250							6.7	185.8	28,500	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285
290										290

MLC300 S-3

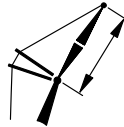
ASME B30.5



474,400 lb

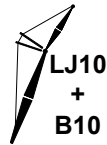


157.5 ft



216.5 ft

	75°			70°			65°			
ft	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										145
150	62.7	351.3	67,800							150
155	61.2	348.5	64,700							155
160	59.6	345.6	61,800							160
165	58.1	342.5	59,100							165
170	56.5	339.2	56,500							170
175	54.9	335.7	54,100							175
180	53.2	331.9	51,800	57.5	337.0	46,200				180
185	51.5	328.0	49,600	55.9	333.6	44,200				185
190	49.8	323.8	47,600	54.3	330.0	42,300				190
195	48.0	319.3	45,600	52.6	326.2	40,500				195
200	46.2	314.5	43,800	50.9	322.1	38,800				200
205	44.3	309.5	42,000	49.2	317.8	37,200	53.5	322.8	32,400	205
210	42.4	304.0	40,400	47.4	313.3	35,600	51.9	318.9	31,000	210
215	40.3	298.2	38,800	45.5	308.4	34,200	50.1	314.8	29,600	215
220	38.2	291.9	37,200	43.6	303.2	32,700	48.4	310.3	28,300	220
225	36.0	285.1	35,800	41.6	297.6	31,400	46.6	305.6	27,100	225
230	33.6	277.7	34,400	39.6	291.6	30,100	44.7	300.6	25,900	230
235	31.1	269.6	33,000	37.4	285.2	28,900	42.7	295.2	24,700	235
240	28.4	260.6	31,700	35.1	278.1	27,700	40.7	289.5	23,600	240
245	25.4	250.4	30,500	32.7	270.5	26,500	38.6	283.3	22,600	245
250	22.0	238.5	29,200	30.1	262.1	25,400	36.4	276.6	21,600	250
255	17.9	224.2	28,000	27.3	252.7	24,300	34.1	269.3	20,600	255
260	12.7	204.9	26,900	24.2	241.9	23,300	31.6	261.3	19,600	260
265				20.6	229.3	22,300	28.9	252.5	18,700	265
270				16.2	213.6	21,200	25.9	242.5	17,800	270
275				10.1	190.8	20,200	22.6	231.1	16,900	275
280							18.7	217.3	16,100	280
285							13.8	199.3	15,200	285
290							5.0	166.4	14,300	290



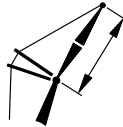
474,400 lb



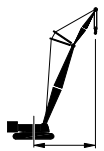
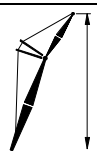
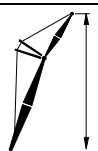
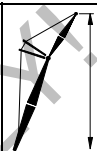
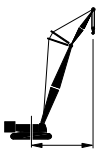
360°



157.5 ft

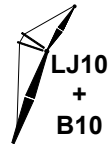


236.2 ft

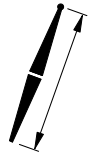
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.2	392.2	77,500							85
90	73.0	390.6	77,000							90
95	71.7	389.0	76,400							95
100	70.4	387.2	75,900							100
105	69.1	385.3	75,300	71.3	387.5	74,800				105
110	67.8	383.2	74,700	70.0	385.6	74,400				110
115	66.5	381.1	74,100	68.7	383.7	74,000				115
120	65.1	378.7	73,500	67.3	381.6	73,600				120
125	63.8	376.3	72,900	66.0	379.4	73,200	68.2	381.6	71,500	125
130	62.4	373.7	72,300	64.7	377.0	72,700	66.9	379.5	71,300	130
135	61.0	370.9	71,800	63.3	374.5	72,300	65.5	377.2	71,100	135
140	59.6	368.0	71,200	61.9	371.8	71,900	64.2	374.8	70,900	140
145	58.2	364.9	70,700	60.6	369.0	71,400	62.8	372.2	70,600	145
150	56.8	361.6	70,100	59.1	366.0	71,000	61.5	369.5	70,300	150
155	55.3	358.1	69,600	57.7	362.9	70,500	60.1	366.6	69,900	155
160	53.8	354.5	69,100	56.3	359.5	70,100	58.6	363.6	69,400	160
165	52.2	350.6	68,600	54.8	356.0	69,600	57.2	360.4	68,900	165
170	50.7	346.5	68,100	53.3	352.3	69,100	55.7	357.0	68,400	170
175	49.1	342.2	67,600	51.7	348.3	68,600	54.2	353.4	67,900	175
180	47.4	337.7	67,100	50.1	344.2	68,100	52.7	349.6	67,400	180
185	45.7	332.8	66,600	48.5	339.8	67,600	51.2	345.5	66,900	185
190	44.0	327.7	66,100	46.9	335.1	67,100	49.6	341.3	66,400	190
195	42.2	322.2	65,600	45.2	330.2	66,600	47.9	336.8	65,900	195
200	40.3	316.4	65,100	43.4	324.9	66,100	46.3	332.0	65,400	200
205	38.4	310.1	64,600	41.6	319.3	65,600	44.5	327.0	64,900	205
210	36.4	303.4	64,100	39.7	313.4	65,100	42.8	321.6	64,400	210
215	34.2	296.2	63,600	37.7	307.0	64,600	40.9	315.9	63,900	215
220	32.0	288.3	63,100	35.7	300.1	64,100	39.0	309.8	63,400	220
225	29.6	279.7	62,600	33.5	292.6	63,600	37.0	303.2	62,900	225
230	26.9	270.1	62,100	31.2	284.5	63,100	34.9	296.1	62,400	230
235	24.0	259.3	61,600	28.7	275.6	62,600	32.7	288.5	61,900	235
240	20.8	246.7	61,100	26.0	265.6	62,100	30.3	280.1	61,400	240
245	16.9	231.4	60,600	23.0	254.3	61,600	27.7	270.8	60,900	245
250	11.7	210.8	60,100	19.5	240.9	61,100	24.9	260.4	60,400	250
255				15.3	224.3	60,600	21.8	248.4	60,100	255
260				9.3	199.9	60,100	18.1	234.1	59,600	260
265							13.5	215.6	59,100	265
270							5.6	183.4	58,600	270
275										275
280										280
285										285
290										290
295										295
300										300
305										305

MLC300 S-3

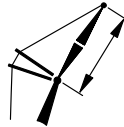
ASME B30.5



474,400 lb

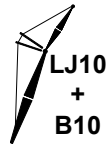


157.5 ft



236.2 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	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	63.8	370.9	63,300							155
160	62.4	368.2	60,400							160
165	61.0	365.5	57,600							165
170	59.6	362.5	55,100							170
175	58.2	359.5	52,700							175
180	56.8	356.2	50,400							180
185	55.3	352.7	48,200							185
190	53.8	349.1	46,200	57.7	353.9	40,900				190
195	52.2	345.2	44,300	56.2	350.6	39,100				195
200	50.7	341.1	42,400	54.7	347.1	37,400				200
205	49.1	336.8	40,700	53.2	343.3	35,800				205
210	47.4	332.2	39,000	51.7	339.4	34,200				210
215	45.7	327.4	37,500	50.1	335.2	32,800				215
220	44.0	322.2	35,900	48.5	330.8	31,400	52.5	336.1	26,900	220
225	42.2	316.8	34,500	46.8	326.2	30,000	51.0	332.1	25,600	225
230	40.3	310.9	33,100	45.1	321.2	28,700	49.4	327.8	24,400	230
235	38.4	304.7	31,800	43.4	315.9	27,500	47.7	323.3	23,300	235
240	36.4	298.0	30,500	41.5	310.3	26,300	46.1	318.5	22,200	240
245	34.2	290.7	29,300	39.6	304.4	25,200	44.3	313.4	21,200	245
250	32.0	282.9	28,100	37.7	298.0	24,100	42.5	308.0	20,200	250
255	29.6	274.2	26,900	35.6	291.1	23,100	40.7	302.2	19,200	255
260	26.9	264.7	25,800	33.4	283.6	22,100	38.8	296.1	18,300	260
265	24.0	253.8	24,800	31.1	275.5	21,100	36.8	289.4	17,400	265
270	20.8	241.3	23,700	28.6	266.5	20,100	34.6	282.3	16,500	270
275	16.9	226.0	22,700	25.9	256.5	19,200	32.4	274.6	15,700	275
280	11.7	205.3	21,700	22.9	245.1	18,300	30.0	266.1	14,900	280
285				19.4	231.8	17,400	27.4	256.7	14,100	285
290				15.2	215.0	16,600	24.6	246.1	13,300	290
295				9.1	190.3	15,700	21.4	233.9	12,500	295
300							17.6	219.3	11,800	300
305							12.8	200.0	11,000	305



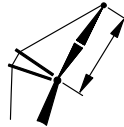
474,400 lb



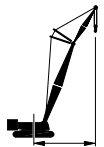
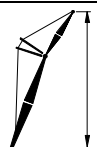
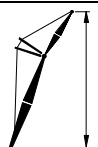
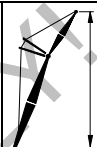
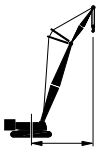
360°

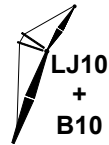


157.5 ft

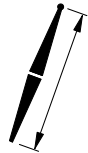


255.9 ft

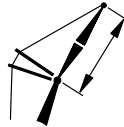
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
90	74.3	411.2	65,200							90
95	73.2	409.7	64,700							95
100	72.0	408.1	64,200							100
105	70.8	406.3	63,600							105
110	69.6	404.5	63,000	71.6	406.6	62,700				110
115	68.4	402.5	62,400	70.4	404.8	62,300				115
120	67.2	400.4	61,900	69.2	402.9	61,800				120
125	66.0	398.1	61,300	68.0	400.9	61,400				125
130	64.7	395.8	60,700	66.8	398.7	60,900	68.8	400.8	59,700	130
135	63.5	393.3	60,200	65.5	396.4	60,500	67.5	398.8	59,400	135
140	62.2	390.6	59,600	64.3	394.0	60,000	66.3	396.6	59,100	140
145	60.9	387.9	59,100	63.0	391.5	59,600	65.1	394.2	58,800	145
150	59.6	384.9	58,600	61.8	388.8	59,100	63.8	391.8	58,500	150
155	58.3	381.8	58,000	60.5	386.0	58,700	62.6	389.2	58,200	155
160	57.0	378.6	57,500	59.2	383.0	58,200	61.3	386.5	57,800	160
165	55.6	375.2	57,000	57.8	379.8	57,800	60.0	383.6	57,500	165
170	54.2	371.6	56,600	56.5	376.5	57,300	58.7	380.5	57,200	170
175	52.8	367.8	56,100	55.1	373.1	56,900	57.4	377.3	56,800	175
180	51.4	363.8	54,800	53.8	369.4	56,500	56.0	374.0	54,500	180
185	49.9	359.6	53,000	52.3	365.5	55,600	54.6	370.4	52,200	185
190	48.4	355.2	51,100	50.9	361.5	53,300	53.3	366.7	50,000	190
195	46.9	350.6	49,300	49.4	357.2	51,200	51.8	362.8	48,000	195
200	45.3	345.6	47,300	47.9	352.7	49,100	50.4	358.7	46,000	200
205	43.7	340.4	45,400	46.4	348.0	47,200	48.9	354.3	44,100	205
210	42.1	334.9	43,500	44.8	343.0	45,300	47.4	349.7	42,400	210
215	40.3	329.1	41,500	43.2	337.7	43,600	45.8	344.9	40,700	215
220	38.6	322.9	39,600	41.5	332.1	41,900	44.2	339.8	39,000	220
225	36.7	316.3	37,700	39.7	326.1	40,300	42.6	334.4	37,500	225
230	34.8	309.1	35,800	37.9	319.7	38,700	40.9	328.6	36,000	230
235	32.7	301.5	33,900	36.0	313.0	37,200	39.1	322.5	34,600	235
240	30.5	293.1	32,100	34.1	305.7	35,700	37.3	316.0	33,200	240
245	28.2	284.0	30,300	32.0	297.8	33,900	35.3	309.1	31,900	245
250	25.7	273.9	28,500	29.7	289.2	32,100	33.3	301.6	30,700	250
255	22.9	262.5	26,800	27.4	279.7	30,200	31.2	293.5	29,500	255
260	19.7	249.2	25,100	24.7	269.2	28,400	28.9	284.6	28,300	260
265	15.9	233.0	23,600	21.8	257.2	26,500	26.5	274.8	27,200	265
270	10.8	210.9	22,100	18.5	243.1	24,600	23.7	263.8	26,100	270
275				14.4	225.5	22,500	20.7	251.2	24,300	275
280				8.4	199.1	20,300	17.1	236.0	22,400	280
285							12.6	216.3	20,300	285
290							4.4	179.9	17,900	290
295										295
300										300
305										305
310										310
315										315



474,400 lb

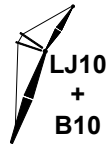


157.5 ft



255.9 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										160
165	63.5	387.9	54,600							165
170	62.2	385.2	53,300							170
175	60.9	382.4	50,900							175
180	59.6	379.5	48,700							180
185	58.3	376.4	46,500							185
190	57.0	373.2	44,500							190
195	55.6	369.8	42,600							195
200	54.2	366.2	40,800	57.8	370.9	35,600				200
205	52.8	362.4	39,000	56.5	367.6	34,000				205
210	51.4	358.4	37,400	55.1	364.1	32,500				210
215	49.9	354.2	35,800	53.7	360.5	31,000				215
220	48.4	349.8	34,300	52.3	356.6	29,600				220
225	46.9	345.1	32,900	50.9	352.6	28,300				225
230	45.3	340.2	31,500	49.4	348.3	27,000	53.1	353.3	22,600	230
235	43.7	335.0	30,200	47.9	343.8	25,800	51.7	349.3	21,500	235
240	42.1	329.5	28,900	46.3	339.0	24,700	50.2	345.2	20,400	240
245	40.3	323.7	27,700	44.8	334.0	23,500	48.7	340.8	19,400	245
250	38.6	317.5	26,600	43.1	328.7	22,500	47.2	336.2	18,400	250
255	36.7	310.8	25,400	41.4	323.1	21,400	45.6	331.3	17,500	255
260	34.8	303.7	24,400	39.7	317.1	20,400	44.0	326.2	16,600	260
265	32.7	296.0	23,300	37.9	310.8	19,500	42.4	320.7	15,700	265
270	30.5	287.7	22,300	36.0	304.0	18,500	40.7	315.0	14,800	270
275	28.2	278.6	21,300	34.0	296.6	17,600	38.9	308.8	14,000	275
280	25.7	268.5	20,400	31.9	288.7	16,800	37.0	302.3	13,200	280
285	22.9	257.0	19,500	29.7	280.1	15,900	35.1	295.2	12,400	285
290	19.7	243.8	18,600	27.3	270.7	15,100	33.1	287.7	11,700	290
295	15.9	227.6	17,700	24.7	260.1	14,300	30.9	279.5	11,000	295
300	10.8	205.5	16,800	21.8	248.1	13,500				300
305				18.4	234.0	12,800				305
310				14.3	216.2	12,000				310
315				8.2	189.4	11,200				315



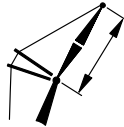
474,400 lb



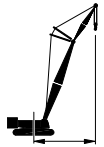
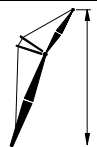
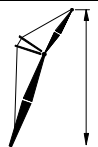
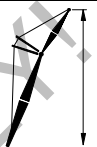
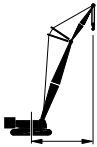
360°



157.5 ft



275.6 ft

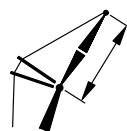
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.4	430.3	54,300							95
100	73.3	428.8	53,700							100
105	72.2	427.2	53,200							105
110	71.1	425.4	52,600							110
115	70.0	423.6	52,100	71.8	425.7	52,000				115
120	68.9	421.7	51,500	70.7	423.9	51,500				120
125	67.8	419.6	51,000	69.6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



474,400 lb

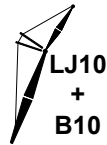


157.5 ft

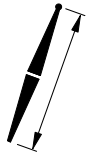


275.6 ft

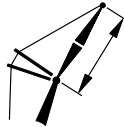
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175	63.2	404.8	44,800				175
180	62.0	402.2	44,600				180
185	60.8	399.4	44,500				185
190	59.6	396.5	43,200				190
195	58.4	393.4	41,300				195
200	57.2	390.2	39,500				200
205	55.9	386.8	37,700				205
210	54.6	383.2	36,100	57.9	387.9	31,100	210
215	53.3	379.5	34,500	56.7	384.6	29,600	215
220	52.0	375.6	33,000	55.4	381.2	28,300	220
225	50.7	371.5	31,600	54.2	377.6	26,900	225
230	49.3	367.2	30,200	52.8	373.8	25,700	230
235	47.9	362.7	28,900	51.5	369.8	24,500	235
240	46.5	358.0	27,700	50.2	365.7	23,300	240
245	45.0	353.0	26,500	48.8	361.3	22,200	245
250	43.5	347.8	25,300	47.4	356.7	21,200	250
255	41.9	342.3	24,200	45.9	351.9	20,100	255
260	40.3	336.4	23,200	44.5	346.8	19,100	260
265	38.7	330.2	22,100	42.9	341.5	18,200	265
270	37.0	323.7	21,100	41.4	335.8	17,300	270
275	35.2	316.7	20,200	39.7	329.9	16,400	275
280	33.3	309.1	19,200	38.1	323.5	15,600	280
285	31.3	301.1	18,300	36.3	316.8	14,700	285
290	29.2	292.3	17,500	34.5	309.6	13,900	290
295	27.0	282.7	16,600	32.6	301.9	13,200	295
300	24.5	272.0	15,800	30.6	293.6	12,400	300
305	21.8	260.0	15,000	28.4	284.5	11,700	305
310	18.7	246.1	14,200	26.1	274.6	11,000	310
315	15.0	229.0	13,400				315
320	10.0	205.3	12,600				320



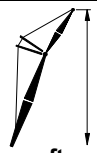
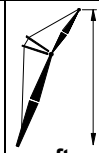
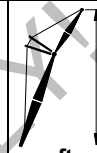
474,400 lb

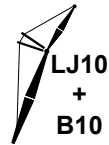


157.5 ft



295.3 ft

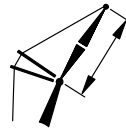
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.5	449.3	45,600							100
105	73.4	447.8	45,100							105
110	72.4	446.2	44,600							110
115	71.4	444.5	44,100							115
120	70.4	442.8	43,600							120
125	69.3	440.9	43,000	71.0	443.0	43,100				125
130	68.3	438.9	42,500	70.0	441.2	42,700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



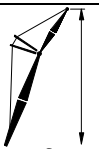
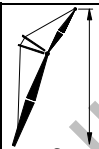
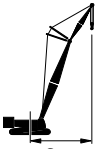
474,400 lb

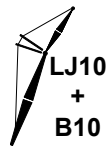


157.5 ft



295.3 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							175
180							180
185	62.9	421.8	36,800				185
190	61.8	419.1	36,700				190
195	60.7	416.3	36,400				195
200	59.6	413.4	36,200				200
205	58.5	410.3	35,900				205
210	57.3	407.1	34,400				210
215	56.1	403.8	32,900				215
220	55.0	400.3	31,400	58.0	404.9	26,500	220
225	53.8	396.6	30,000	56.9	401.6	25,200	225
230	52.5	392.8	28,600	55.7	398.2	23,900	230
235	51.3	388.8	27,300	54.5	394.6	22,700	235
240	50.0	384.6	26,100	53.3	390.9	21,600	240
245	48.7	380.3	24,900	52.1	387.0	20,500	245
250	47.4	375.7	23,700	50.8	383.0	19,400	250
255	46.1	370.9	22,600	49.6	378.7	18,400	255
260	44.7	365.9	21,600	48.3	374.3	17,500	260
265	43.3	360.6	20,500	46.9	369.6	16,500	265
270	41.8	355.0	19,600	45.6	364.7	15,600	270
275	40.3	349.2	18,600	44.2	359.6	14,700	275
280	38.8	343.0	17,700	42.8	354.2	13,900	280
285	37.2	336.5	16,800	41.3	348.6	13,100	285
290	35.6	329.6	16,000	39.8	342.6	12,300	290
295	33.8	322.2	15,100	38.2	336.3	11,500	295
300	32.0	314.3	14,300				300
305	30.1	305.8	13,500				305
310	28.1	296.6	12,800				310
315	25.9	286.6	12,000				315
320	23.5	275.4	11,300				320
325							325



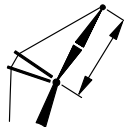
474,400 lb



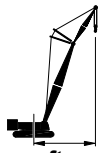
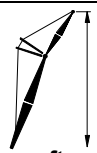
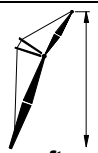
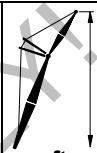
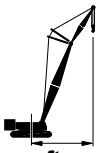
360°

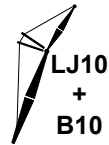


157.5 ft



315.0 ft

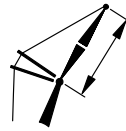
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
105	74.5	468.4	38,300							105
110	73.6	466.9	37,800							110
115	72.6	465.3	37,300							115
120	71.6	463.6	36,800							120
125	70.7	461.9	36,300							125
130	69.7	460.0	35,700	71.3	462.1	35,900				130
135	68.7	458.1	35,300	70.3	460.4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



474,400 lb

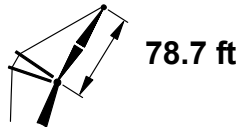
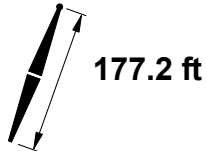
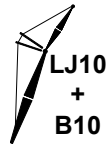


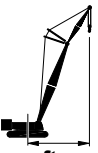
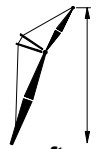
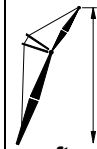
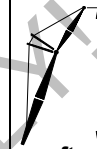
157.5 ft



315.0 ft

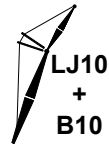
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190	63.7	441.4	30,200				190
195	62.7	438.8	30,000				195
200	61.7	436.1	29,700				200
205	60.6	433.3	29,500				205
210	59.6	430.4	29,200				210
215	58.5	427.3	29,000				215
220	57.4	424.1	28,700				220
225	56.4	420.8	28,500				225
230	55.2	417.3	27,200	58.1	421.8	22,500	230
235	54.1	413.7	25,900	57.0	418.6	21,300	235
240	53.0	410.0	24,700	56.0	415.2	20,100	240
245	51.8	406.0	23,500	54.8	411.7	19,000	245
250	50.7	401.9	22,300	53.7	408.0	18,000	250
255	49.5	397.7	21,200	52.6	404.2	17,000	255
260	48.2	393.2	20,200	51.4	400.2	16,000	260
265	47.0	388.6	19,200	50.2	396.1	15,100	265
270	45.7	383.7	18,200	49.0	391.7	14,200	270
275	44.4	378.7	17,300	47.8	387.2	13,300	275
280	43.1	373.3	16,400	46.5	382.5	12,500	280
285	41.7	367.8	15,500	45.3	377.6	11,700	285
290	40.3	361.9	14,600	44.0	372.4	10,900	290
295	38.9	355.8	13,800				295
300	37.4	349.3	13,000				300
305	35.9	342.4	12,200				305
310	34.3	335.2	11,500				310
315							315
320							320
325							325
330							330



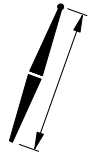
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
45	73.2	259.8	254,200 d							45
50	69.3	257.9	238,700 c							50
55	65.3	255.6	224,000 b							55
60	61.1	252.8	210,300 b	68.7	256.6	218,000 c				60
65	56.8	249.6	197,400	64.7	254.2	205,200 b				65
70	52.2	245.7	183,000	60.5	251.4	193,100 b	68.1	254.8	195,100 c	70
75	47.3	241.2	170,700	56.2	248.1	180,800	64.1	252.3	179,700 b	75
80	41.9	235.7	160,300	51.5	244.1	167,500	59.9	249.4	166,600 b	80
85	35.8	229.0	151,500	46.6	239.5	156,100	55.5	246.0	155,200	85
90	28.6	220.4	144,300	41.1	233.9	146,100	50.8	242.0	145,300	90
95	18.7	207.8	134,400	34.9	227.0	137,300	45.8	237.2	136,500	95
100				27.4	218.0	129,500	40.2	231.4	128,800	100
105				16.8	204.3	121,700	33.9	224.3	121,800	105
110							26.1	214.8	115,600	110
115							14.4	199.6	110,000	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC300 S-3

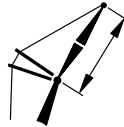
ASME B30.5



474,400 lb

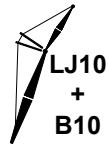


177.2 ft

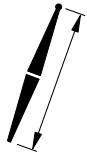


78.7 ft

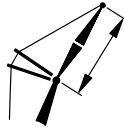
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.0	246.0	132,600 b							95
100	55.6	242.6	124,600							100
105	51.0	238.6	117,500							105
110	45.9	233.8	111,000							110
115	40.4	228.1	105,000	55.5	237.6	96,700				115
120	34.1	221.0	99,500	50.8	233.6	91,700				120
125	26.4	211.7	94,400	45.7	228.8	87,000				125
130	15.0	196.9	89,500	40.2	223.0	82,700				130
135				33.8	215.8	78,700	50.1	226.8	71,900	135
140				26.1	206.4	74,900	45.0	221.9	68,500	140
145				14.4	191.2	71,200	39.4	216.0	65,300	145
150							32.9	208.6	62,300	150
155							24.8	198.7	59,400	155
160							11.8	181.6	56,500	160



474,400 lb



177.2 ft

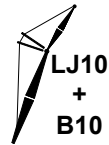


98.4 ft

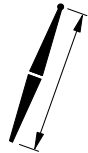
	86°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50	73.6	278.9	223,700 c							50
55	70.5	277.1	211,700 b							55
60	67.4	275.0	200,200 b							60
65	64.1	272.6	189,400	70.1	275.8	195,100 b				65
70	60.8	269.8	179,200	66.9	273.7	185,000 b				70
75	57.3	266.6	168,100	63.7	271.2	175,400				75
80	53.7	262.9	157,300	60.3	268.3	166,300	66.4	271.8	167,100 b	80
85	49.9	258.8	147,900	56.8	265.1	156,600	63.2	269.3	155,700	85
90	45.9	254.0	139,700	53.2	261.4	146,600	59.8	266.4	145,700	90
95	41.6	248.4	132,600	49.4	257.1	137,800	56.3	263.1	137,000	95
100	36.8	241.9	126,500	45.3	252.2	130,000	52.6	259.3	129,200	100
105	31.4	234.1	121,300	40.9	246.6	123,000	48.8	254.9	122,200	105
110	24.8	224.0	115,500	36.1	239.9	116,700	44.7	249.9	116,000	110
115	15.7	209.2	104,800	30.5	231.8	111,000	40.2	244.2	110,400	115
120				23.8	221.4	105,600	35.3	237.3	105,200	120
125				14.0	205.2	95,900	29.6	228.9	100,600	125
130							22.6	217.9	96,100	130
135							11.7	199.9	87,600	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC300 S-3

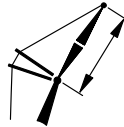
ASME B30.5



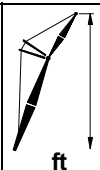
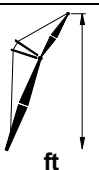
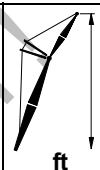
474,400 lb

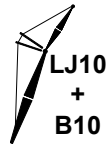


177.2 ft



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	122,900							100
105	59.9	262.9	115,800							105
110	56.4	259.6	109,400							110
115	52.8	255.9	103,600							115
120	48.9	251.5	98,200							120
125	44.8	246.6	93,300	56.3	254.6	85,300				125
130	40.4	240.8	88,700	52.6	250.9	81,100				130
135	35.5	234.0	84,500	48.8	246.5	77,200				135
140	29.8	225.7	80,500	44.7	241.5	73,600				140
145	22.9	214.8	76,800	40.2	235.7	70,300	52.1	244.2	63,600	145
150	12.2	197.3	73,100	35.3	228.9	67,100	48.3	239.8	60,700	150
155				29.6	220.5	64,100	44.1	234.7	58,000	155
160				22.6	209.5	61,200	39.6	228.8	55,500	160
165				11.6	191.4	58,400	34.6	221.7	53,000	165
170							28.8	213.1	50,700	170
175							21.4	201.6	48,500	175
180							9.1	180.9	46,200	180



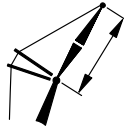
474,400 lb



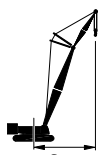
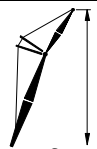
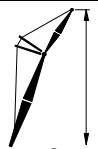
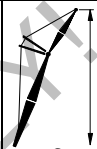
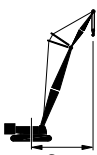
360°

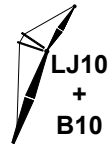


177.2 ft

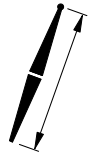


118.1 ft

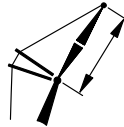
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
55	73.9	297.9	197,100 b							55
60	71.3	296.2	189,000 b							60
65	68.7	294.3	179,900							65
70	66.1	292.0	171,100	71.0	295.0	175,600 b				70
75	63.4	289.5	163,000	68.4	293.0	167,400				75
80	60.6	286.7	155,200	65.7	290.7	159,700				80
85	57.7	283.6	146,300	63.0	288.2	152,200	67.9	291.1	154,400	85
90	54.7	280.0	137,800	60.2	285.3	145,100	65.3	288.8	146,100	90
95	51.7	276.1	130,400	57.3	282.1	138,100	62.5	286.2	137,300	95
100	48.4	271.7	123,900	54.3	278.5	130,300	59.7	283.3	129,500	100
105	45.0	266.8	118,000	51.2	274.5	123,300	56.8	280.1	122,500	105
110	41.4	261.2	113,000	48.0	270.0	117,000	53.8	276.4	116,300	110
115	37.4	254.8	108,400	44.5	265.0	111,300	50.7	272.4	110,600	115
120	33.1	247.3	104,400	40.8	259.3	106,100	47.4	267.8	105,500	120
125	28.1	238.4	100,000	36.9	252.8	101,400	44.0	262.7	100,400	125
130	22.1	227.0	92,500	32.4	245.2	97,100	40.3	256.9	95,600	130
135	13.5	210.1	84,300	27.4	236.0	92,000	36.2	250.2	91,100	135
140				21.1	224.1	85,200	31.7	242.4	86,900	140
145				11.8	205.6	77,700	26.5	232.9	83,000	145
150							20.0	220.4	78,400	150
155							9.5	199.4	71,400	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200



474,400 lb

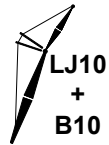


177.2 ft



118.1 ft

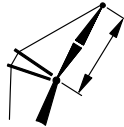
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.6	282.8	108,100							110
115	59.8	279.9	102,300							115
120	57.0	276.6	97,000							120
125	54.0	273.0	92,200							125
130	50.8	269.0	87,700							130
135	47.6	264.5	83,600	56.8	271.7	76,000				135
140	44.1	259.4	79,700	53.8	268.0	72,400				140
145	40.4	253.6	76,100	50.7	264.0	69,100				145
150	36.4	246.9	72,700	47.4	259.4	66,000				150
155	31.9	239.2	69,600	44.0	254.3	63,200	53.4	261.4	56,700	155
160	26.7	229.7	66,600	40.2	248.5	60,400	50.3	257.3	54,300	160
165	20.3	217.4	63,700	36.2	241.8	57,900	47.0	252.6	51,900	165
170	10.1	197.1	60,900	31.7	234.0	55,400	43.5	247.4	49,700	170
175				26.5	224.5	53,100	39.7	241.5	47,600	175
180				20.0	212.0	50,900	35.6	234.7	45,600	180
185				9.4	190.9	48,600	31.1	226.7	43,700	185
190							25.7	216.9	41,900	190
195							18.9	203.8	40,100	195
200							6.7	179.1	38,200	200



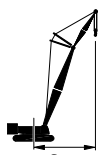
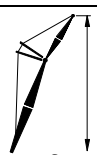
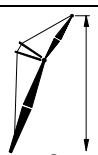
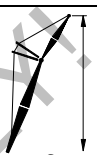
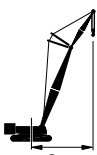
474,400 lb



177.2 ft

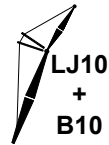


137.8 ft

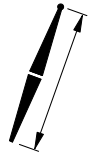
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
60	74.1	317.0	167,400							60
65	71.9	315.3	165,800							65
70	69.7	313.5	161,600							70
75	67.4	311.4	154,600	71.6	314.1	157,900				75
80	65.1	309.1	147,900	69.4	312.2	151,400				80
85	62.8	306.5	141,500	67.1	310.1	145,100				85
90	60.4	303.7	135,400	64.8	307.7	138,900				90
95	58.0	300.5	129,000	62.5	305.1	133,000	66.8	308.2	134,400	95
100	55.4	297.1	122,300	60.1	302.2	127,300	64.5	305.9	128,900	100
105	52.8	293.3	116,300	57.6	299.1	122,000	62.1	303.2	122,500	105
110	50.1	289.2	110,900	55.1	295.6	116,800	59.7	300.3	115,800	110
115	47.3	284.6	106,100	52.5	291.8	111,600	57.2	297.1	109,700	115
120	44.4	279.5	101,700	49.7	287.6	106,400	54.7	293.5	104,000	120
125	41.2	273.9	97,800	46.9	282.9	101,700	52.1	289.7	98,900	125
130	37.9	267.6	94,400	43.9	277.8	97,400	49.3	285.4	94,200	130
135	34.2	260.4	91,200	40.8	272.1	93,400	46.5	280.7	89,700	135
140	30.2	252.1	86,700	37.4	265.7	89,700	43.5	275.5	85,600	140
145	25.6	242.2	81,100	33.7	258.3	85,300	40.3	269.7	81,800	145
150	19.9	229.6	75,100	29.6	249.8	80,100	36.8	263.1	78,200	150
155	11.7	210.4	68,800	24.9	239.6	75,000	33.1	255.6	74,800	155
160				19.0	226.4	69,500	28.9	246.9	71,700	160
165				10.0	205.3	63,600	24.1	236.4	68,700	165
170							17.9	222.5	64,100	170
175							7.6	198.1	58,600	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC300 S-3

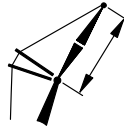
ASME B30.5



474,400 lb

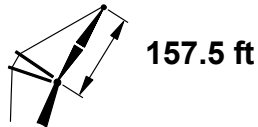
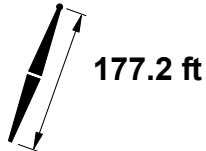
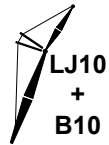


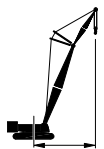
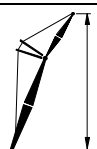
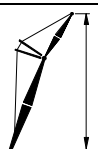
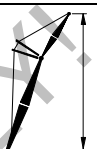
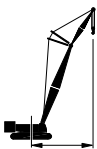
177.2 ft

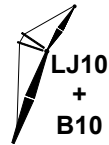


137.8 ft

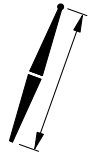
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.2	299.8	95,200							120
125	59.8	296.8	90,400							125
130	57.3	293.6	86,000							130
135	54.8	290.1	81,900							135
140	52.2	286.3	78,100							140
145	49.4	282.0	74,500	57.2	288.7	67,300				145
150	46.6	277.3	71,200	54.7	285.1	64,200				150
155	43.6	272.1	68,100	52.0	281.3	61,400				155
160	40.4	266.3	65,200	49.3	277.0	58,700				160
165	37.0	259.8	62,500	46.5	272.3	56,200				165
170	33.3	252.4	59,900	43.5	267.1	53,800	51.7	274.6	47,800	170
175	29.1	243.7	57,400	40.3	261.2	51,600	48.9	270.3	45,800	175
180	24.3	233.2	55,100	36.8	254.7	49,500	46.1	265.5	43,900	180
185	18.2	219.5	52,800	33.1	247.2	47,500	43.0	260.2	42,000	185
190	8.2	196.1	50,500	28.9	238.5	45,500	39.8	254.3	40,300	190
195				24.1	227.9	43,700	36.4	247.6	38,600	195
200				17.9	214.1	41,900	32.6	240.0	37,000	200
205				7.5	189.6	40,000	28.3	231.1	35,500	205
210							23.3	220.2	34,000	210
215							16.9	205.6	32,600	215
220							4.1	175.3	30,900	220



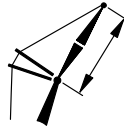
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.2	336.0	142,000							65
70	72.3	334.4	141,000							70
75	70.4	332.6	138,600							75
80	68.4	330.7	135,500							80
85	66.5	328.5	130,600	70.1	331.4	136,600				85
90	64.4	326.1	125,900	68.2	329.4	131,400				90
95	62.4	323.5	121,100	66.2	327.1	126,400				95
100	60.3	320.6	116,300	64.2	324.7	121,500	67.9	327.5	122,200	100
105	58.2	317.5	111,500	62.1	322.1	116,700	65.9	325.3	117,700	105
110	56.0	314.1	106,800	60.0	319.2	112,200	63.8	322.8	113,200	110
115	53.7	310.5	102,200	57.9	316.1	107,800	61.8	320.2	107,600	115
120	51.4	306.5	97,700	55.6	312.6	103,500	59.7	317.2	102,100	120
125	49.0	302.2	93,500	53.4	308.9	99,500	57.5	314.1	96,900	125
130	46.5	297.5	89,300	51.1	304.9	95,600	55.3	310.6	92,200	130
135	43.9	292.3	85,200	48.6	300.5	91,800	53.0	306.9	87,900	135
140	41.1	286.7	81,400	46.1	295.8	87,900	50.7	302.8	83,800	140
145	38.2	280.4	77,700	43.5	290.6	84,000	48.3	298.4	80,100	145
150	35.1	273.4	74,300	40.7	284.8	80,400	45.7	293.5	76,500	150
155	31.7	265.5	71,000	37.8	278.5	76,900	43.1	288.2	73,200	155
160	27.9	256.4	67,800	34.6	271.4	73,700	40.3	282.4	70,100	160
165	23.5	245.5	64,800	31.2	263.3	69,500	37.3	276.0	67,200	165
170	18.2	231.7	61,300	27.3	254.0	65,400	34.1	268.7	64,400	170
175	10.2	210.3	56,100	22.9	242.8	61,300	30.6	260.5	61,800	175
180				17.3	228.3	56,800	26.7	251.0	59,300	180
185				8.4	204.5	51,900	22.1	239.4	56,600	185
190							16.3	224.1	52,500	190
195							5.8	195.8	47,900	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235



474,400 lb

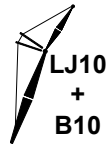


177.2 ft



157.5 ft

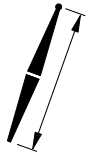
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.9	319.4	88,400							125
130	61.9	316.7	83,900							130
135	59.7	313.8	79,900							135
140	57.6	310.6	76,100							140
145	55.4	307.2	72,600							145
150	53.1	303.5	69,300							150
155	50.8	299.4	66,200	57.5	305.7	59,300				155
160	48.3	295.0	63,400	55.3	302.2	56,700				160
165	45.8	290.2	60,700	53.0	298.5	54,200				165
170	43.2	284.9	58,100	50.7	294.4	51,900				170
175	40.4	279.1	55,700	48.3	289.9	49,700				175
180	37.4	272.6	53,500	45.7	285.1	47,600	52.7	291.8	41,800	180
185	34.2	265.5	51,300	43.1	279.8	45,600	50.4	287.7	40,000	185
190	30.8	257.3	49,200	40.3	274.0	43,700	47.9	283.2	38,300	190
195	26.8	247.8	47,300	37.3	267.5	42,000	45.4	278.3	36,700	195
200	22.3	236.3	45,400	34.1	260.3	40,300	42.7	272.9	35,100	200
205	16.5	221.3	43,600	30.6	252.1	38,600	39.9	267.0	33,600	205
210	6.5	194.2	41,600	26.7	242.5	37,100	36.9	260.5	32,200	210
215				22.1	231.0	35,500	33.7	253.1	30,900	215
220				16.3	215.7	34,100	30.1	244.8	29,600	220
225				5.7	187.3	32,500	26.1	235.0	28,300	225
230							21.4	223.1	27,100	230
235							15.3	207.0	25,800	235



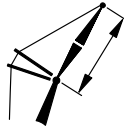
474,400 lb



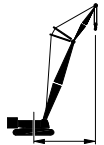
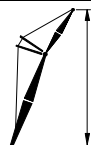
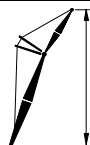
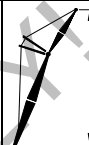
360°

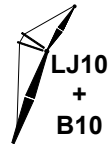


177.2 ft

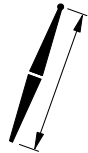


177.2 ft

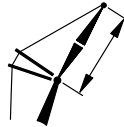
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	74.4	355.1	120,000							70
75	72.7	353.5	119,200							75
80	71.0	351.8	118,300							80
85	69.2	349.9	117,300							85
90	67.5	347.8	116,300	70.7	350.5	116,700				90
95	65.7	345.5	113,600	69.0	348.6	116,400				95
100	63.9	343.1	109,400	67.2	346.5	115,500				100
105	62.1	340.4	105,300	65.4	344.2	111,400	68.7	346.8	111,500	105
110	60.2	337.6	101,300	63.6	341.7	107,400	67.0	344.7	107,700	110
115	58.3	334.5	97,400	61.8	339.0	103,500	65.2	342.3	104,000	115
120	56.4	331.2	93,600	59.9	336.1	99,800	63.4	339.8	100,300	120
125	54.4	327.6	89,900	58.0	333.0	96,100	61.5	337.1	95,200	125
130	52.3	323.7	86,200	56.1	329.7	92,600	59.7	334.2	90,500	130
135	50.2	319.6	82,600	54.1	326.1	89,200	57.7	331.0	86,200	135
140	48.1	315.1	79,200	52.0	322.2	85,900	55.8	327.7	82,200	140
145	45.8	310.3	75,800	49.9	318.0	82,500	53.8	324.0	78,500	145
150	43.5	305.1	72,600	47.8	313.5	78,900	51.7	320.1	75,000	150
155	41.0	299.4	69,500	45.5	308.6	75,500	49.6	315.8	71,700	155
160	38.5	293.2	66,500	43.1	303.3	72,300	47.4	311.3	68,600	160
165	35.7	286.4	63,600	40.7	297.6	69,400	45.1	306.3	65,700	165
170	32.8	278.7	60,900	38.1	291.3	66,600	42.8	301.0	63,000	170
175	29.6	270.2	58,300	35.3	284.3	63,900	40.3	295.2	60,400	175
180	26.0	260.3	55,700	32.3	276.6	60,700	37.7	288.8	58,000	180
185	21.8	248.5	53,300	29.1	267.9	57,400	34.9	281.7	55,700	185
190	16.7	233.4	50,600	25.4	257.8	54,000	31.9	273.9	53,500	190
195	8.8	209.6	46,300	21.2	245.7	50,600	28.6	264.9	51,400	195
200				15.9	229.9	46,900	24.8	254.6	49,400	200
205				7.0	202.9	42,800	20.5	242.1	46,700	205
210							14.9	225.4	43,300	210
215							3.8	191.6	39,300	215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255



474,400 lb

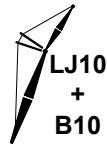


177.2 ft



177.2 ft

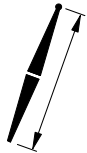
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.4	336.4	78,000							135
140	61.6	333.7	74,300							140
145	59.7	330.8	70,800							145
150	57.8	327.6	67,500							150
155	55.9	324.2	64,500							155
160	53.9	320.6	61,600							160
165	51.8	316.7	59,000	57.7	322.6	52,300				165
170	49.7	312.4	56,500	55.8	319.2	50,000				170
175	47.5	307.9	54,100	53.8	315.6	47,800				175
180	45.2	303.0	51,900	51.7	311.7	45,800				180
185	42.9	297.6	49,700	49.6	307.4	43,800				185
190	40.4	291.8	47,700	47.4	302.9	42,000	53.5	309.0	36,400	190
195	37.8	285.5	45,800	45.1	297.9	40,300	51.4	305.0	34,800	195
200	35.0	278.4	44,000	42.8	292.6	38,600	49.3	300.7	33,300	200
205	32.0	270.6	42,200	40.3	286.7	37,000	47.1	296.1	31,800	205
210	28.7	261.7	40,600	37.7	280.4	35,500	44.8	291.1	30,400	210
215	25.0	251.4	39,000	34.9	273.3	34,000	42.4	285.7	29,100	215
220	20.6	239.0	37,400	31.9	265.4	32,600	39.9	279.8	27,900	220
225	15.1	222.6	35,900	28.6	256.5	31,300	37.3	273.3	26,700	225
230	4.8	191.1	34,300	24.8	246.2	30,000	34.5	266.2	25,500	230
235				20.5	233.6	28,700	31.4	258.2	24,400	235
240				14.8	217.0	27,500	28.1	249.1	23,300	240
245				3.7	183.0	26,100	24.3	238.5	22,200	245
250							19.8	225.6	21,200	250
255							13.9	208.1	20,200	255



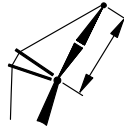
474,400 lb



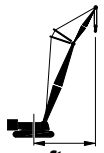
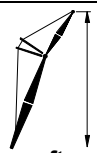
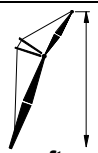
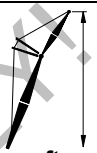
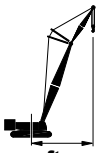
360°



177.2 ft

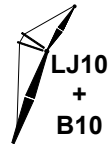


196.9 ft

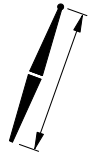
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
75	74.5	374.1	101,200							75
80	72.9	372.6	100,700							80
85	71.4	370.9	100,100							85
90	69.8	369.0	99,400							90
95	68.3	367.1	98,700	71.2	369.6	98,400				95
100	66.7	364.9	97,900	69.6	367.8	98,200				100
105	65.1	362.6	97,100	68.1	365.8	97,900				105
110	63.5	360.1	96,300	66.5	363.6	97,600				110
115	61.8	357.4	95,500	64.9	361.2	97,200	67.8	363.9	95,000	115
120	60.1	354.5	93,400	63.2	358.7	95,200	66.2	361.7	95,000	120
125	58.4	351.4	90,200	61.6	356.0	92,000	64.6	359.4	92,200	125
130	56.7	348.2	87,200	59.9	353.1	88,900	63.0	356.8	89,200	130
135	54.9	344.7	84,300	58.2	350.0	85,900	61.3	354.1	85,100	135
140	53.1	340.9	81,400	56.4	346.7	82,900	59.6	351.1	81,100	140
145	51.2	336.9	78,700	54.7	343.1	80,100	57.9	348.0	77,300	145
150	49.3	332.6	76,000	52.8	339.4	77,400	56.2	344.7	73,800	150
155	47.3	328.1	73,400	51.0	335.3	74,500	54.4	341.1	70,500	155
160	45.3	323.1	70,900	49.0	331.0	71,500	52.5	337.3	67,500	160
165	43.2	317.9	68,500	47.1	326.4	68,400	50.7	333.2	64,600	165
170	41.0	312.1	66,100	45.0	321.4	65,700	48.7	328.8	61,900	170
175	38.7	306.0	63,400	42.9	316.1	63,100	46.7	324.2	59,300	175
180	36.2	299.2	60,400	40.6	310.3	60,600	44.7	319.1	56,900	180
185	33.6	291.9	57,400	38.3	304.1	58,200	42.5	313.7	54,600	185
190	30.8	283.7	54,500	35.9	297.2	56,000	40.3	307.9	52,500	190
195	27.8	274.4	51,500	33.2	289.8	53,300	38.0	301.6	50,400	195
200	24.4	263.8	48,400	30.4	281.4	50,600	35.5	294.7	48,500	200
205	20.4	251.2	45,400	27.3	272.0	47,800	32.8	287.1	46,600	205
210	15.4	234.9	42,100	23.8	261.2	45,000	30.0	278.6	44,800	210
215	7.6	208.4	38,400	19.8	248.2	42,100	26.8	269.0	43,100	215
220				14.6	231.1	38,900	23.3	257.9	41,500	220
225				5.6	200.5	35,400	19.1	244.4	38,800	225
230							13.6	226.4	35,900	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275

MLC300 S-3

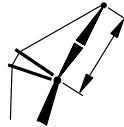
ASME B30.5



474,400 lb

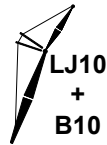


177.2 ft

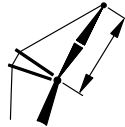


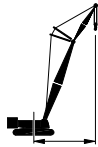
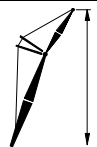
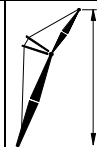
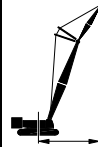
196.9 ft

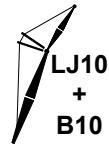
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.0	353.4	69,400							145
150	61.4	350.6	66,200							150
155	59.7	347.7	63,200							155
160	58.0	344.6	60,400							160
165	56.2	341.2	57,700							165
170	54.4	337.7	55,200							170
175	52.6	333.9	52,900	57.9	339.6	46,500				175
180	50.7	329.8	50,700	56.2	336.3	44,400				180
185	48.8	325.4	48,600	54.4	332.7	42,500				185
190	46.8	320.8	46,600	52.5	328.9	40,700				190
195	44.8	315.8	44,700	50.7	324.8	39,000				195
200	42.6	310.4	42,900	48.7	320.4	37,300	52.3	322.2	30,500	200
205	40.4	304.6	41,200	46.7	315.7	35,800	50.4	318.1	29,100	205
210	38.0	298.3	39,500	44.7	310.7	34,300	48.5	313.7	27,800	210
215	35.6	291.4	38,000	42.5	305.3	32,900	46.5	309.0	26,600	215
220	32.9	283.8	36,500	40.3	299.5	31,500	44.4	303.9	25,400	220
225	30.1	275.4	35,100	37.9	293.2	30,200	42.2	298.4	24,300	225
230	26.9	265.8	33,700	35.5	286.2	28,900	40.0	292.5	23,200	230
235	23.4	254.8	32,300	32.8	278.6	27,700	37.6	286.1	22,100	235
240	19.2	241.4	31,000	30.0	270.2	26,600	35.1	279.1	21,100	240
245	13.9	223.6	29,700	26.8	260.6	25,500	32.4	271.4	20,100	245
250	2.5	184.9	28,300	23.3	249.5	24,400	29.6	262.8	19,200	250
255				19.1	236.0	23,300	26.4	253.1	18,300	255
260				13.6	218.0	22,200	22.7	241.7	17,400	260
265							18.4	227.8	16,500	265
270							12.7	208.8	15,600	270
275										275



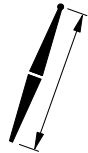
474,400 lb



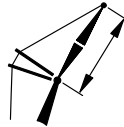
	 86°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
80	74.5	393.2	85,800							80
85	73.1	391.6	85,300							85
90	71.8	390.0	84,800							90
95	70.3	388.2	84,300							95
100	68.9	386.3	83,700	71.6	388.7	83,200				100
105	67.5	384.2	83,100	70.1	386.9	82,900				105
110	66.0	382.0	82,500	68.7	385.0	82,700				110
115	64.6	379.6	81,800	67.3	382.9	82,400				115
120	63.1	377.1	81,200	65.8	380.6	82,000	68.5	383.2	79,800	120
125	61.6	374.3	80,500	64.4	378.2	81,600	67.1	381.1	79,800	125
130	60.1	371.5	79,900	62.9	375.7	81,200	65.6	378.8	79,800	130
135	58.5	368.4	79,200	61.4	373.0	80,800	64.2	376.4	79,800	135
140	56.9	365.2	78,000	59.9	370.1	79,400	62.7	373.8	79,400	140
145	55.3	361.7	75,600	58.3	367.0	76,900	61.2	371.0	75,600	145
150	53.7	358.0	73,200	56.7	363.7	74,400	59.6	368.1	72,200	150
155	52.0	354.2	70,800	55.1	360.2	71,900	58.1	365.0	68,900	155
160	50.3	350.0	68,600	53.5	356.5	69,600	56.5	361.7	65,800	160
165	48.5	345.6	66,300	51.8	352.6	67,000	54.9	358.2	63,000	165
170	46.7	340.9	64,200	50.1	348.4	64,200	53.2	354.4	60,300	170
175	44.9	335.9	62,000	48.3	344.0	61,600	51.5	350.5	57,800	175
180	42.9	330.6	60,000	46.5	339.3	59,100	49.8	346.3	55,400	180
185	40.9	324.9	57,800	44.6	334.2	56,800	48.0	341.8	53,100	185
190	38.8	318.7	55,100	42.6	328.8	54,600	46.2	337.0	50,900	190
195	36.6	312.1	52,700	40.6	323.1	52,500	44.3	331.9	48,900	195
200	34.3	304.9	50,100	38.5	316.8	50,400	42.3	326.5	47,000	200
205	31.8	297.0	47,600	36.3	310.1	48,500	40.3	320.6	45,100	205
210	29.1	288.2	45,100	34.0	302.8	46,500	38.2	314.4	43,400	210
215	26.2	278.4	42,600	31.5	294.8	44,200	35.9	307.6	41,700	215
220	23.0	267.1	40,000	28.8	285.9	41,900	33.6	300.1	40,100	220
225	19.1	253.5	37,500	25.8	275.9	39,500	31.1	292.0	38,600	225
230	14.3	236.1	34,600	22.5	264.3	37,100	28.3	283.0	37,100	230
235	6.4	206.6	31,400	18.5	250.4	34,600	25.3	272.7	35,700	235
240				13.5	232.1	32,000	21.9	260.9	34,200	240
245				4.0	196.6	28,800	17.9	246.5	31,800	245
250							12.6	227.1	29,300	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285
290										290
295										295



474,400 lb

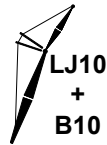


177.2 ft



216.5 ft

	75°			70°			65°			
										
	ft	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										145
150										150
155	62.7	370.3	61,400							155
160	61.2	367.6	58,600							160
165	59.7	364.7	55,900							165
170	58.1	361.6	53,400							170
175	56.5	358.3	51,100							175
180	54.9	354.8	48,900							180
185	53.3	351.0	46,800	58.1	356.6	40,600				185
190	51.6	347.1	44,900	56.5	353.3	38,800				190
195	49.9	342.9	43,000	54.9	349.8	37,100				195
200	48.1	338.4	41,200	53.2	346.0	35,500				200
205	46.3	333.6	39,500	51.5	342.1	34,000				205
210	44.4	328.6	37,900	49.8	337.9	32,500				210
215	42.4	323.1	36,400	48.0	333.4	31,100	53.0	339.4	25,900	215
220	40.4	317.3	34,900	46.2	328.6	29,800	51.3	335.4	24,700	220
225	38.3	311.0	33,500	44.3	323.5	28,500	49.6	331.1	23,500	225
230	36.0	304.3	32,200	42.3	318.1	27,300	47.8	326.6	22,400	230
235	33.7	296.9	30,900	40.3	312.2	26,100	45.9	321.8	21,400	235
240	31.1	288.8	29,600	38.2	305.9	24,900	44.0	316.7	20,300	240
245	28.4	279.8	28,400	35.9	299.1	23,900	42.1	311.2	19,400	245
250	25.4	269.6	27,200	33.6	291.7	22,800	40.0	305.3	18,400	250
255	22.0	257.8	26,100	31.0	283.6	21,800	37.9	298.9	17,500	255
260	18.0	243.5	25,000	28.3	274.5	20,800	35.6	292.1	16,600	260
265	12.8	224.4	23,900	25.3	264.3	19,900	33.2	284.6	15,800	265
270				21.9	252.5	18,900	30.7	276.3	14,900	270
275				17.9	238.0	18,000	27.9	267.1	14,100	275
280				12.6	218.6	17,100	24.9	256.7	13,300	280
285							21.4	244.6	12,600	285
290							17.2	229.7	11,800	290
295							11.7	209.2	11,000	295



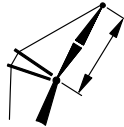
474,400 lb



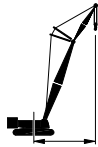
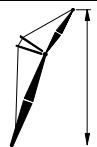
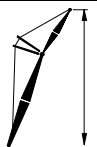
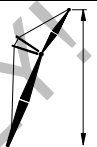
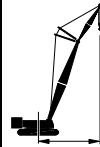
360°

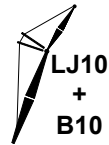


177.2 ft

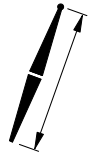


236.2 ft

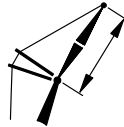
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.6	412.2	72,500							85
90	73.3	410.7	72,100							90
95	72.1	409.1	71,600							95
100	70.8	407.3	71,100							100
105	69.5	405.5	70,600	71.9	407.8	70,100				105
110	68.2	403.4	70,100	70.6	406.1	69,800				110
115	66.8	401.3	69,500	69.3	404.2	69,500				115
120	65.5	399.0	69,000	68.0	402.2	69,200				120
125	64.2	396.6	68,400	66.7	400.0	68,800				125
130	62.8	394.0	67,900	65.3	397.7	68,500	67.8	400.3	66,900	130
135	61.4	391.3	67,300	64.0	395.3	68,100	66.5	398.2	66,800	135
140	60.0	388.4	66,800	62.6	392.7	67,700	65.1	395.8	66,700	140
145	58.6	385.4	66,300	61.2	389.9	67,300	63.8	393.4	66,500	145
150	57.2	382.2	65,800	59.8	387.0	67,000	62.4	390.8	66,300	150
155	55.7	378.7	65,300	58.4	383.9	66,600	61.0	388.0	66,100	155
160	54.2	375.1	64,800	57.0	380.7	66,200	59.6	385.1	64,500	160
165	52.7	371.3	63,200	55.5	377.3	64,400	58.2	382.0	61,600	165
170	51.1	367.3	61,400	54.0	373.6	62,400	56.7	378.7	59,000	170
175	49.5	363.1	59,600	52.5	369.8	60,300	55.3	375.2	56,400	175
180	47.9	358.6	57,700	50.9	365.7	57,900	53.8	371.6	54,000	180
185	46.2	353.8	55,800	49.3	361.5	55,500	52.2	367.7	51,800	185
190	44.5	348.7	54,000	47.7	356.9	53,400	50.7	363.6	49,700	190
195	42.7	343.4	52,000	46.0	352.1	51,300	49.0	359.3	47,600	195
200	40.9	337.6	50,200	44.2	347.0	49,200	47.4	354.7	45,700	200
205	38.9	331.5	48,000	42.5	341.6	47,300	45.7	349.9	43,900	205
210	36.9	324.9	45,900	40.6	335.8	45,500	44.0	344.7	42,100	210
215	34.8	317.9	43,700	38.7	329.6	43,700	42.2	339.2	40,500	215
220	32.6	310.2	41,600	36.7	323.0	42,100	40.3	333.4	38,900	220
225	30.2	301.8	39,500	34.5	315.8	40,500	38.4	327.1	37,400	225
230	27.7	292.5	37,400	32.3	308.0	38,600	36.3	320.4	35,900	230
235	24.9	282.0	35,200	29.9	299.5	36,600	34.2	313.2	34,500	235
240	21.7	270.0	33,000	27.3	290.1	34,600	31.9	305.3	33,200	240
245	18.0	255.6	30,800	24.5	279.4	32,500	29.5	296.6	31,900	245
250	13.3	237.0	28,400	21.2	267.2	30,500	26.9	287.0	30,600	250
255	5.2	203.9	25,500	17.5	252.4	28,300	24.0	276.2	29,400	255
260				12.5	232.8	26,000	20.7	263.6	27,900	260
265				1.7	188.4	23,200	16.8	248.3	25,800	265
270							11.6	227.5	23,600	270
275										275
280										280
285										285
290										290
295										295
300										300



474,400 lb

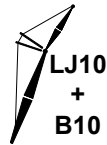


177.2 ft



236.2 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										150
155										155
160	63.8	389.9	57,100							160
165	62.4	387.3	54,500							165
170	61.1	384.5	52,000							170
175	59.7	381.6	49,700							175
180	58.2	378.5	47,500							180
185	56.8	375.3	45,400							185
190	55.3	371.8	43,500							190
195	53.8	368.2	41,600	58.2	373.5	35,700				195
200	52.3	364.3	39,800	56.7	370.3	34,000				200
205	50.7	360.2	38,200	55.3	366.8	32,500				205
210	49.1	355.9	36,600	53.7	363.2	31,100				210
215	47.5	351.3	35,000	52.2	359.3	29,700				215
220	45.8	346.5	33,600	50.6	355.2	28,300				220
225	44.0	341.4	32,200	49.0	350.9	27,100	53.5	356.5	22,000	225
230	42.2	335.9	30,900	47.4	346.3	25,900	52.0	352.6	20,900	230
235	40.4	330.1	29,600	45.7	341.5	24,700	50.4	348.5	19,900	235
240	38.4	323.8	28,400	44.0	336.3	23,600	48.8	344.2	18,900	240
245	36.4	317.1	27,200	42.2	330.8	22,500	47.2	339.5	17,900	245
250	34.3	309.9	26,000	40.3	325.0	21,500	45.5	334.7	17,000	250
255	32.0	302.0	25,000	38.4	318.7	20,500	43.7	329.5	16,100	255
260	29.6	293.4	23,900	36.3	312.0	19,500	41.9	323.9	15,200	260
265	27.0	283.9	22,900	34.2	304.8	18,600	40.1	318.0	14,400	265
270	24.1	273.1	21,900	31.9	296.9	17,700	38.1	311.7	13,600	270
275	20.8	260.5	20,900	29.5	288.2	16,800	36.1	304.9	12,800	275
280	17.0	245.3	19,900	26.9	278.6	16,000	33.9	297.6	12,000	280
285	11.8	224.8	19,000	24.0	267.8	15,200	31.6	289.6	11,300	285
290				20.7	255.2	14,400				290
295				16.8	239.8	13,600				295
300				11.6	219.0	12,800				300



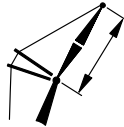
474,400 lb



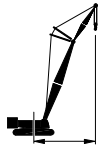
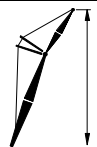
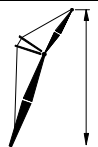
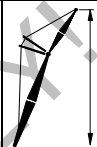
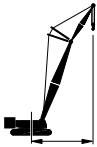
360°

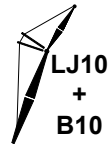


177.2 ft



255.9 ft

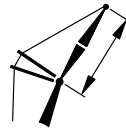
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.6	431.3	61,500							90
95	73.5	429.8	61,000							95
100	72.3	428.2	60,600							100
105	71.1	426.4	60,100							105
110	69.9	424.6	59,600							110
115	68.7	422.7	59,100	71.0	425.2	58,900				115
120	67.5	420.6	58,600	69.8	423.3	58,600				120
125	66.3	418.4	58,100	68.6	421.4	58,200				125
130	65.1	416.1	57,600	67.3	419.3	57,900				130
135	63.8	413.6	57,100	66.1	417.1	57,500	68.4	419.6	56,200	135
140	62.5	411.0	56,600	64.9	414.7	57,100	67.2	417.5	56,000	140
145	61.3	408.3	56,100	63.6	412.3	56,700	65.9	415.2	55,800	145
150	60.0	405.4	55,600	62.4	409.6	56,300	64.7	412.9	55,600	150
155	58.7	402.3	55,200	61.1	406.9	55,900	63.4	410.4	55,400	155
160	57.3	399.1	54,700	59.8	404.0	55,600	62.2	407.7	55,100	160
165	56.0	395.8	54,300	58.5	400.9	55,200	60.9	404.9	54,900	165
170	54.6	392.2	53,800	57.2	397.7	54,800	59.6	402.0	54,600	170
175	53.2	388.5	53,400	55.8	394.3	54,400	58.3	398.9	54,300	175
180	51.8	384.6	53,000	54.4	390.7	54,100	56.9	395.7	52,400	180
185	50.3	380.4	52,200	53.0	387.0	53,700	55.6	392.3	50,200	185
190	48.9	376.1	50,400	51.6	383.0	51,800	54.2	388.7	48,100	190
195	47.3	371.5	48,700	50.1	378.8	49,800	52.8	384.9	46,000	195
200	45.8	366.7	46,900	48.6	374.5	47,700	51.4	380.9	44,100	200
205	44.2	361.5	45,100	47.1	369.8	45,800	49.9	376.7	42,300	205
210	42.5	356.1	43,300	45.6	365.0	44,000	48.4	372.3	40,600	210
215	40.8	350.4	41,400	44.0	359.8	42,300	46.9	367.6	38,900	215
220	39.1	344.3	39,700	42.3	354.3	40,600	45.3	362.7	37,400	220
225	37.2	337.8	37,800	40.6	348.5	39,000	43.7	357.5	35,900	225
230	35.3	330.8	36,000	38.8	342.4	37,500	42.0	352.0	34,400	230
235	33.3	323.3	34,200	37.0	335.8	36,100	40.3	346.1	33,000	235
240	31.1	315.1	32,400	35.0	328.8	34,700	38.5	339.9	31,700	240
245	28.9	306.2	30,700	33.0	321.2	33,300	36.7	333.3	30,400	245
250	26.4	296.4	28,900	30.8	312.9	31,700	34.7	326.2	29,200	250
255	23.7	285.4	27,200	28.5	303.9	29,900	32.7	318.5	28,000	255
260	20.6	272.7	25,600	26.0	294.0	28,100	30.5	310.1	26,900	260
265	17.0	257.5	24,000	23.3	282.7	26,300	28.2	301.0	25,800	265
270	12.4	237.6	22,500	20.2	269.8	24,600	25.6	290.9	24,700	270
275	3.9	199.9	20,200	16.5	254.1	22,700	22.8	279.4	23,700	275
280				11.7	233.2	20,600	19.6	266.1	22,300	280
285							15.8	249.9	20,500	285
290							10.7	227.6	18,500	290
295										295
300										300
305										305



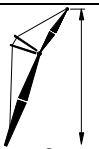
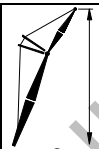
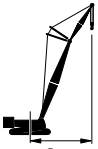
474,400 lb

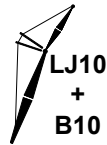


177.2 ft



255.9 ft

	75°			70°			
 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							160
165							165
170	63.5	406.9	50,200				170
175	62.2	404.3	47,900				175
180	60.9	401.5	45,700				180
185	59.6	398.6	43,700				185
190	58.3	395.5	41,700				190
195	57.0	392.2	39,900				195
200	55.6	388.8	38,100				200
205	54.3	385.2	36,500	58.3	390.5	30,700	205
210	52.9	381.5	34,900	56.9	387.3	29,200	210
215	51.4	377.5	33,400	55.6	383.8	27,900	215
220	50.0	373.3	31,900	54.2	380.2	26,500	220
225	48.5	368.9	30,500	52.8	376.5	25,300	225
230	46.9	364.2	29,200	51.4	372.5	24,100	230
235	45.4	359.3	28,000	49.9	368.3	22,900	235
240	43.8	354.1	26,700	48.4	363.9	21,800	240
245	42.1	348.6	25,600	46.9	359.2	20,800	245
250	40.4	342.8	24,500	45.3	354.3	19,800	250
255	38.6	336.6	23,400	43.7	349.1	18,800	255
260	36.7	330.0	22,300	42.0	343.6	17,800	260
265	34.8	322.9	21,300	40.3	337.7	16,900	265
270	32.7	315.2	20,400	38.5	331.5	16,100	270
275	30.6	306.9	19,400	36.7	324.9	15,200	275
280	28.2	297.8	18,500	34.7	317.7	14,400	280
285	25.7	287.7	17,700	32.7	310.0	13,600	285
290	22.9	276.3	16,800	30.5	301.7	12,800	290
295	19.8	263.1	16,000	28.2	292.6	12,100	295
300	16.0	247.0	15,100	25.6	282.4	11,400	300
305	10.9	225.0	14,300				305



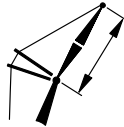
474,400 lb



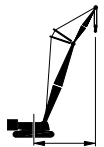
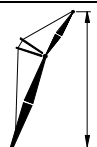
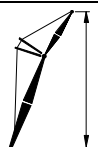
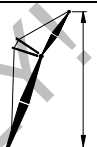
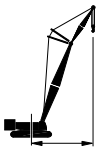
360°

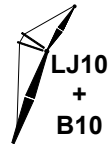


177.2 ft



275.6 ft

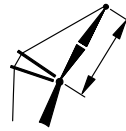
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
95	74.7	450.3	51,600							95
100	73.6	448.8	51,100							100
105	72.5	447.2	50,600							105
110	71.4	445.6	50,200							110
115	70.3	443.8	49,700							115
120	69.2	441.9	49,200	71.3	444.3	49,200				120
125	68.1	439.8	48,700	70.2	442.5	48,800				125
130	67.0	437.7	48,300	69.0	440.6	48,400				130
135	65.8	435.5	47,800	67.9	438.6	48,100				135
140	64.7	433.1	47,300	66.8	436.4	47,700	68.9	438.8	46,800	140
145	63.5	430.6	46,900	65.7	434.1	47,300	67.8	436.7	46,600	145
150	62.3	428.0	46,400	64.5	431.8	46,900	66.6	434.6	46,300	150
155	61.1	425.2	46,000	63.3	429.2	46,500	65.5	432.3	46,000	155
160	59.9	422.3	45,500	62.2	426.6	46,100	64.3	429.9	45,800	160
165	58.7	419.3	45,100	61.0	423.8	45,700	63.2	427.4	45,500	165
170	57.5	416.1	44,700	59.8	420.9	45,400	62.0	424.7	45,200	170
175	56.2	412.8	44,300	58.6	417.9	45,000	60.8	421.9	44,900	175
180	55.0	409.3	43,900	57.3	414.7	44,600	59.6	419.0	44,600	180
185	53.7	405.6	43,500	56.1	411.3	44,200	58.4	415.9	44,300	185
190	52.4	401.8	43,100	54.8	407.8	43,900	57.1	412.7	44,000	190
195	51.0	397.7	42,800	53.5	404.1	43,600	55.9	409.3	43,700	195
200	49.7	393.5	42,400	52.2	400.2	43,200	54.6	405.7	42,900	200
205	48.3	389.1	42,100	50.9	396.2	42,900	53.3	402.0	41,100	205
210	46.9	384.4	41,800	49.5	391.9	42,600	52.0	398.1	39,400	210
215	45.4	379.5	41,500	48.1	387.4	41,100	50.6	394.0	37,700	215
220	43.9	374.3	40,700	46.7	382.7	39,500	49.3	389.7	36,100	220
225	42.4	368.9	39,200	45.2	377.8	37,900	47.9	385.2	34,600	225
230	40.8	363.1	37,600	43.7	372.6	36,400	46.4	380.5	33,200	230
235	39.2	357.0	36,000	42.2	367.1	34,900	45.0	375.5	31,800	235
240	37.5	350.6	34,400	40.6	361.3	33,600	43.5	370.3	30,500	240
245	35.7	343.7	32,800	38.9	355.2	32,200	41.9	364.7	29,300	245
250	33.8	336.3	31,300	37.2	348.6	31,000	40.3	358.9	28,000	250
255	31.9	328.4	29,600	35.4	341.7	29,700	38.7	352.7	26,900	255
260	29.8	319.8	28,000	33.6	334.2	28,500	36.9	346.1	25,800	260
265	27.6	310.5	26,500	31.6	326.2	27,300	35.2	339.1	24,700	265
270	25.2	300.2	24,900	29.5	317.6	25,700	33.3	331.6	23,600	270
275	22.6	288.6	23,300	27.3	308.1	24,300	31.3	323.5	22,600	275
280	19.6	275.2	21,500	24.9	297.6	22,700	29.2	314.7	21,600	280
285	16.2	259.2	19,800	22.2	285.8	21,200	26.9	305.1	20,700	285
290	11.6	238.0	17,900	19.2	272.2	19,600	24.5	294.4	19,800	290
295	2.2	192.8	15,600	15.6	255.6	17,900	21.8	282.4	18,900	295
300				10.8	233.3	16,000	18.7	268.4	17,500	300
305							15.0	251.2	15,900	305
310							9.9	227.4	14,200	310
315										315
320										320



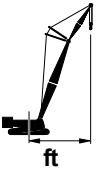
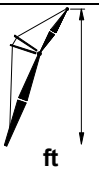
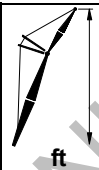
474,400 lb

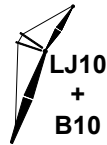


177.2 ft



275.6 ft

	75°			70°			
 ft		 ft	 lb		 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							170
175							175
180	63.2	423.9	42,600				180
185	62.0	421.2	42,300				185
190	60.8	418.5	40,300				190
195	59.6	415.5	38,500				195
200	58.4	412.5	36,800				200
205	57.2	409.2	35,100				205
210	55.9	405.9	33,500				210
215	54.6	402.3	32,000	58.4	407.5	26,400	215
220	53.4	398.6	30,600	57.1	404.3	25,100	220
225	52.0	394.7	29,200	55.9	400.9	23,900	225
230	50.7	390.6	27,900	54.6	397.3	22,700	230
235	49.3	386.3	26,700	53.3	393.6	21,600	235
240	47.9	381.8	25,500	52.0	389.7	20,500	240
245	46.5	377.1	24,300	50.6	385.6	19,400	245
250	45.0	372.2	23,200	49.3	381.3	18,400	250
255	43.5	366.9	22,100	47.9	376.8	17,500	255
260	42.0	361.4	21,100	46.4	372.1	16,500	260
265	40.4	355.6	20,100	45.0	367.1	15,600	265
270	38.7	349.4	19,200	43.5	361.9	14,800	270
275	37.0	342.8	18,300	41.9	356.3	13,900	275
280	35.2	335.8	17,400	40.3	350.5	13,100	280
285	33.3	328.3	16,500	38.7	344.3	12,300	285
290	31.4	320.2	15,700	36.9	337.7	11,600	290
295	29.3	311.5	14,900	35.1	330.7	10,900	295
300	27.0	301.9	14,100				300
305	24.6	291.3	13,300				305
310	21.9	279.3	12,600				310
315	18.8	265.4	11,800				315
320	15.1	248.4	11,100				320



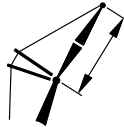
474,400 lb



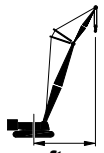
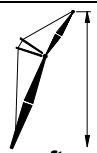
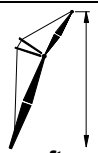
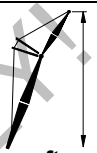
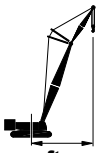
360°

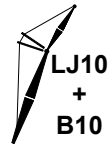


177.2 ft



295.3 ft

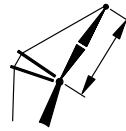
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.7	469.3	43,600							100
105	73.7	467.9	43,200							105
110	72.7	466.3	42,700							110
115	71.7	464.7	42,300							115
120	70.7	462.9	41,800							120
125	69.6	461.0	41,400	71.5	463.4	41,400				125
130	68.6	459.1	40,900	70.5	461.6	41,000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



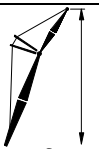
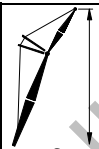
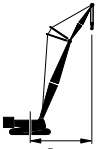
474,400 lb

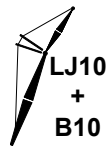


177.2 ft



295.3 ft

	75°			70°			
 ft		 ft	 lb		 ft	 lb	 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							175
180							180
185							185
190	63.0	440.9	35,200				190
195	61.9	438.2	35,000				195
200	60.7	435.4	34,900				200
205	59.6	432.5	33,400				205
210	58.5	429.4	31,800				210
215	57.3	426.2	30,300				215
220	56.2	422.9	28,900				220
225	55.0	419.4	27,500	58.4	424.4	22,100	225
230	53.8	415.7	26,200	57.3	421.2	20,900	230
235	52.6	411.9	25,000	56.1	417.9	19,800	235
240	51.3	407.9	23,800	54.9	414.4	18,700	240
245	50.0	403.7	22,700	53.7	410.7	17,700	245
250	48.8	399.4	21,600	52.5	406.9	16,700	250
255	47.4	394.8	20,500	51.3	402.9	15,700	255
260	46.1	390.0	19,500	50.0	398.7	14,800	260
265	44.7	385.0	18,500	48.7	394.3	13,900	265
270	43.3	379.7	17,600	47.4	389.7	13,000	270
275	41.9	374.1	16,700	46.1	384.9	12,200	275
280	40.4	368.3	15,800	44.7	379.9	11,400	280
285	38.8	362.1	14,900				285
290	37.2	355.6	14,100				290
295	35.6	348.7	13,300				295
300	33.9	341.3	12,500				300
305	32.0	333.5	11,800				305
310	30.1	325.0	11,100				310
315							315
320							320
325							325



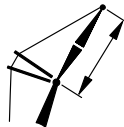
474,400 lb



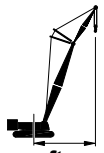
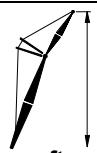
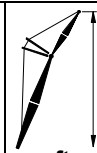
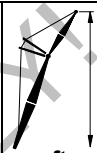
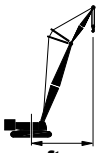
360°

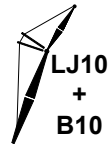


177.2 ft

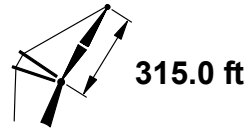


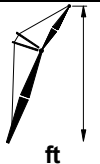
315.0 ft

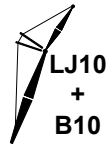
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
105	75.0	488.7	36,700							105
110	74.0	487.3	36,300							110
115	73.1	485.7	35,900							115
120	72.1	484.1	35,400							120
125	71.2	482.4	35,000							125
130	70.2	480.6	34,600	72.0	482.9	34,700				130
135	69.2	478.7	34,100	71.0	481.2	34,300				135
140	68.3	476.7	33,700	70.1	479.4	33,900				140
145	67.3	474.6	33,200	69.1	477.4	33,500				145
150	66.3	472.4	32,800	68.1	475.4	33,200				150
155	65.3	470.1	32,400	67.1	473.3	32,800	68.9	475.7	32,500	155
160	64.3	467.7	32,000	66.1	471.1	32,400	68.0	473.6	32,200	160
165	63.2	465.2	31,600	65.1	468.8	32,000	67.0	471.5	31,900	165
170	62.2	462.6	31,200	64.1	466.4	31,700	66.0	469.3	31,500	170
175	61.2	459.8	30,800	63.1	463.8	31,300	65.0	466.9	31,200	175
180	60.1	456.9	30,400	62.1	461.2	30,900	64.0	464.5	30,900	180
185	59.1	453.9	30,100	61.0	458.4	30,600	62.9	461.9	30,600	185
190	58.0	450.8	29,700	60.0	455.5	30,200	61.9	459.3	30,300	190
195	56.9	447.6	29,400	58.9	452.5	29,900	60.9	456.5	30,000	195
200	55.8	444.2	29,000	57.8	449.4	29,500	59.8	453.6	29,700	200
205	54.7	440.6	28,700	56.8	446.1	29,200	58.8	450.5	29,300	205
210	53.6	437.0	28,400	55.7	442.7	28,900	57.7	447.4	29,000	210
215	52.4	433.1	28,100	54.5	439.1	28,600	56.6	444.1	28,800	215
220	51.3	429.1	27,800	53.4	435.4	28,300	55.5	440.7	28,500	220
225	50.1	424.9	27,500	52.3	431.6	28,000	54.4	437.1	28,200	225
230	48.9	420.6	27,200	51.1	427.5	27,700	53.2	433.4	27,900	230
235	47.6	416.0	26,900	49.9	423.3	27,400	52.1	429.5	27,600	235
240	46.4	411.3	26,700	48.7	419.0	27,100	50.9	425.4	27,400	240
245	45.1	406.3	26,500	47.5	414.4	26,900	49.7	421.2	26,500	245
250	43.8	401.1	26,200	46.2	409.6	26,600	48.5	416.8	25,300	250
255	42.4	395.7	26,000	44.9	404.6	26,400	47.3	412.2	24,200	255
260	41.1	390.0	25,800	43.6	399.4	26,000	46.0	407.4	23,100	260
265	39.6	384.0	25,600	42.3	393.9	24,800	44.7	402.3	22,000	265
270	38.2	377.7	25,000	40.9	388.2	23,800	43.4	397.1	21,000	270
275	36.7	371.0	23,800	39.4	382.1	22,700	42.0	391.6	20,000	275
280	35.1	364.0	22,500	38.0	375.8	21,700	40.7	385.8	19,000	280
285	33.5	356.5	21,300	36.5	369.1	20,700	39.2	379.7	18,100	285
290	31.7	348.5	20,000	34.9	362.0	19,800	37.7	373.3	17,200	290
295	29.9	340.0	18,900	33.2	354.4	18,900	36.2	366.5	16,300	295
300	28.0	330.8	17,600	31.5	346.4	18,000	34.6	359.4	15,500	300
305	26.0	320.7	16,400	29.7	337.7	16,900	33.0	351.7	14,700	305
310	23.8	309.7	14,800	27.8	328.4	15,700	31.2	343.6	13,900	310
315				25.7	318.3	14,500	29.4	334.9	13,100	315
320				23.5	307.1	13,300	27.5	325.4	12,400	320
325				21.0	294.5	12,100	25.4	315.1	11,600	325
330							23.1	303.8	10,900	330



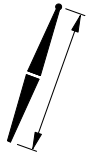
474,400 lb



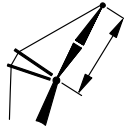
	75°		
			
	ft	ft	lb
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165			
170			
175			
180			
185			
190			
195	64.0	461.0	28,900
200	63.0	458.5	28,900
205	62.0	455.8	28,600
210	60.9	453.0	28,400
215	59.9	450.1	28,200
220	58.8	447.1	27,600
225	57.7	444.0	26,300
230	56.6	440.7	25,000
235	55.5	437.2	23,700
240	54.4	433.7	22,500
245	53.3	429.9	21,400
250	52.1	426.1	20,300
255	51.0	422.0	19,300
260	49.8	417.8	18,200
265	48.6	413.4	17,300
270	47.3	408.8	16,300
275	46.1	404.0	15,400
280	44.8	399.0	14,600
285	43.4	393.7	13,700
290	42.1	388.2	12,900
295	40.7	382.4	12,100
300	39.3	376.4	11,300
305			
310			
315			
320			
325			
330			



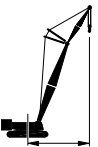
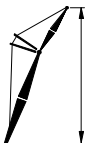
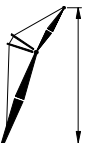
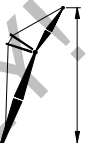
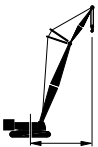
474,400 lb

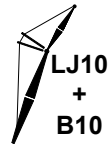


196.9 ft

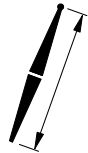


78.7 ft

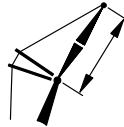
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
45	74.2	279.9	231,300 d							45
50	70.4	278.1	217,900 c							50
55	66.4	275.9	205,000 c							55
60	62.3	273.3	192,800 b	70.6	277.1	199,700 d				60
65	58.0	270.1	181,300 b	66.7	274.9	188,400 c				65
70	53.5	266.5	170,700	62.6	272.3	177,600 b				70
75	48.7	262.1	160,800	58.3	269.3	167,400 b	66.9	273.4	171,400 c	75
80	43.4	256.9	151,600	53.8	265.6	157,800	62.8	270.8	161,900 b	80
85	37.6	250.6	142,900	49.0	261.3	148,800	58.5	267.8	152,800 b	85
90	30.7	242.7	134,600	43.8	256.2	140,300	54.0	264.2	144,200	90
95	21.9	231.6	126,400	38.0	250.0	132,200	49.2	259.9	136,200	95
100				31.2	242.2	124,400	44.1	254.9	128,500	100
105				22.6	231.4	116,700	38.3	248.7	121,100	105
110							31.6	241.0	114,000	110
115							23.1	230.4	107,100	115
120							6.6	208.3	99,800	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165



474,400 lb

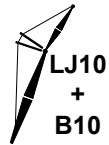


196.9 ft



78.7 ft

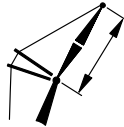
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	60.1	265.1	119,100 b							100
105	55.7	261.7	112,200							105
110	51.1	257.7	106,000							110
115	46.0	252.9	100,300							115
120	40.5	247.2	95,100	57.0	257.3	85,800 b				120
125	34.2	240.2	90,200	52.4	253.5	81,400				125
130	26.6	230.9	85,700	47.5	249.0	77,400				130
135	15.3	216.3	81,300	42.2	243.6	73,600				135
140				36.2	237.0	70,100	53.3	247.5	62,500	140
145				29.0	228.5	66,800	48.5	243.1	59,500	145
150				19.3	216.2	63,600	43.2	237.9	56,800	150
155							37.3	231.6	54,200	155
160							30.4	223.5	51,700	160
165							21.4	212.2	49,200	165



474,400 lb



196.9 ft

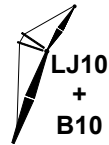


98.4 ft

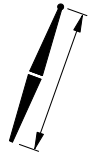
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	ft	
50	74.4	298.9	197,800 c							50
55	71.4	297.2	193,300 c							55
60	68.2	295.2	183,100 b							60
65	65.0	292.9	173,400 b	71.6	296.3	178,500 c				65
70	61.7	290.2	164,200	68.4	294.3	169,500 b				70
75	58.3	287.1	155,600	65.2	292.0	160,900 b				75
80	54.7	283.6	147,500	61.9	289.3	152,600	68.6	292.7	155,000 b	80
85	51.0	279.6	140,000	58.5	286.2	144,800	65.4	290.4	147,300 b	85
90	47.1	275.0	132,900	55.0	282.7	137,300	62.1	287.8	139,900	90
95	42.8	269.7	126,100	51.3	278.8	130,300	58.7	284.8	132,800	95
100	38.2	263.5	119,800	47.3	274.2	123,700	55.2	281.3	126,200	100
105	33.0	256.0	113,700	43.1	269.0	117,300	51.5	277.3	119,700	105
110	26.8	246.7	107,700	38.5	262.8	111,400	47.5	272.8	113,700	110
115	18.7	233.8	101,700	33.3	255.5	105,600	43.3	267.6	107,900	115
120				27.2	246.3	99,900	38.7	261.5	102,500	120
125				19.4	233.7	94,300	33.6	254.2	97,200	125
130							27.6	245.2	92,000	130
135							19.8	232.9	86,800	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

MLC300 S-3

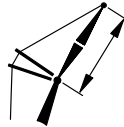
ASME B30.5



474,400 lb

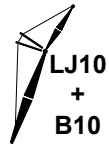


196.9 ft

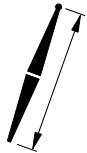


98.4 ft

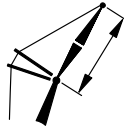
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.3	284.9	110,400							105
110	60.0	282.0	104,300							110
115	56.5	278.7	98,700							115
120	52.9	275.0	93,500							120
125	49.0	270.6	88,800							125
130	44.9	265.7	84,500	57.5	274.3	75,600				130
135	40.5	260.0	80,400	53.9	270.7	71,900				135
140	35.6	253.2	76,700	50.1	266.6	68,500				140
145	30.0	244.9	73,100	46.1	261.8	65,300				145
150	23.0	234.1	69,800	41.8	256.3	62,400				150
155	12.5	216.8	66,500	37.1	249.9	59,600	50.9	260.6	52,400	155
160				31.7	242.1	56,900	46.9	256.0	50,100	160
165				25.2	232.2	54,400	42.6	250.6	47,800	165
170				16.3	217.8	51,900	38.0	244.4	45,700	170
175							32.7	236.9	43,700	175
180							26.5	227.5	41,800	180
185							18.3	214.3	39,900	185



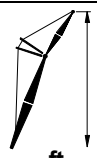
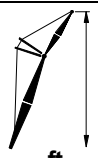
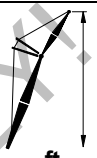
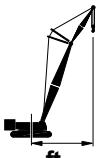
474,400 lb

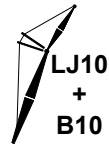


196.9 ft

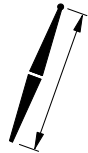


118.1 ft

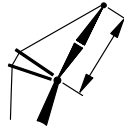
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
55	74.6	318.0	169,900 c							55
60	72.0	316.3	167,300 b							60
65	69.4	314.5	164,300							65
70	66.8	312.3	156,600							70
75	64.1	309.9	149,200	69.6	313.5	153,200 b				75
80	61.3	307.2	142,100	67.0	311.4	146,200				80
85	58.5	304.1	135,400	64.3	309.0	139,400				85
90	55.6	300.7	129,100	61.5	306.2	132,900	67.1	309.8	134,400	90
95	52.5	296.9	123,100	58.7	303.2	126,700	64.4	307.4	128,300	95
100	49.3	292.6	117,500	55.8	299.8	120,800	61.7	304.7	122,400	100
105	46.0	287.8	112,100	52.7	296.0	115,200	58.8	301.7	116,800	105
110	42.4	282.4	107,100	49.5	291.8	109,900	55.9	298.4	111,400	110
115	38.6	276.3	102,200	46.2	287.0	104,800	52.9	294.6	106,300	115
120	34.3	269.1	97,500	42.6	281.7	100,000	49.7	290.4	101,400	120
125	29.6	260.7	92,900	38.8	275.6	95,400	46.4	285.7	96,700	125
130	23.9	250.1	88,500	34.6	268.5	90,900	42.8	280.3	92,300	130
135	16.4	235.4	83,900	29.9	260.2	86,600	39.0	274.3	88,000	135
140				24.3	249.8	82,300	34.8	267.3	83,900	140
145				17.0	235.5	77,800	30.2	259.0	79,900	145
150							24.6	248.8	75,900	150
155							17.4	234.8	71,700	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205



474,400 lb

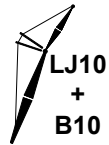


196.9 ft



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										110
115	62.7	301.9	97,400							115
120	59.9	299.0	92,300							120
125	57.0	295.7	87,600							125
130	54.0	292.1	83,300							130
135	50.9	288.1	79,400							135
140	47.6	283.6	75,700	57.9	291.3	67,200				140
145	44.2	278.5	72,200	54.9	287.8	64,100				145
150	40.5	272.7	69,000	51.8	283.9	61,200				150
155	36.4	266.1	66,000	48.6	279.5	58,500				155
160	32.0	258.3	63,200	45.2	274.6	55,900				160
165	26.8	249.0	60,400	41.6	269.1	53,500	52.4	277.9	46,500	165
170	20.4	236.7	57,900	37.7	262.7	51,200	49.2	273.6	44,500	170
175	10.4	216.7	55,300	33.3	255.4	49,100	45.8	268.8	42,600	175
180				28.4	246.5	47,000	42.3	263.4	40,800	180
185				22.4	235.3	45,000	38.4	257.2	39,000	185
190				14.1	218.9	43,000	34.2	250.0	37,400	190
195							29.4	241.5	35,800	195
200							23.7	230.8	34,200	200
205							16.0	215.8	32,700	205



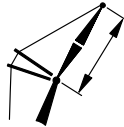
474,400 lb



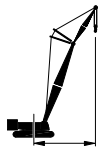
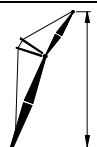
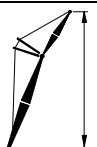
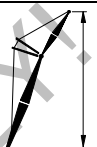
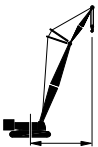
360°



196.9 ft



137.8 ft

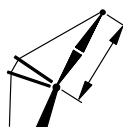
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
60	74.7	337.0	146,000 b							60
65	72.5	335.4	144,300							65
70	70.3	333.6	142,300							70
75	68.1	331.6	140,100							75
80	65.8	329.4	135,300	70.4	332.7	138,300				80
85	63.4	326.9	129,500	68.2	330.7	132,600				85
90	61.1	324.1	123,900	65.9	328.4	127,000				90
95	58.6	321.1	118,600	63.6	325.9	121,600	68.3	329.1	122,300	95
100	56.1	317.7	113,500	61.2	323.2	116,400	66.0	326.9	117,200	100
105	53.6	314.0	108,700	58.8	320.2	111,400	63.7	324.4	112,300	105
110	50.9	310.0	104,200	56.3	316.8	106,700	61.4	321.7	107,500	110
115	48.1	305.5	99,800	53.7	313.2	102,100	58.9	318.7	103,000	115
120	45.2	300.6	95,700	51.1	309.2	97,700	56.4	315.4	98,600	120
125	42.1	295.2	91,700	48.3	304.7	93,600	53.9	311.7	94,400	125
130	38.8	289.1	87,800	45.4	299.9	89,600	51.2	307.7	90,400	130
135	35.3	282.1	84,200	42.3	294.4	85,800	48.4	303.3	86,500	135
140	31.4	274.2	80,600	39.0	288.4	82,100	45.5	298.5	82,600	140
145	26.9	264.8	77,000	35.5	281.5	78,600	42.5	293.1	78,900	145
150	21.6	253.1	73,500	31.6	273.6	75,100	39.2	287.1	75,500	150
155	14.5	236.6	68,500	27.2	264.3	71,800	35.7	280.2	72,300	155
160				22.0	252.8	68,300	31.8	272.4	69,200	160
165				15.1	236.8	63,600	27.5	263.2	66,200	165
170							22.3	251.8	63,000	170
175							15.5	236.2	58,700	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225



474,400 lb

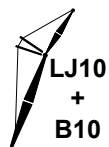


196.9 ft



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										110
115										115
120										120
125	62.2	318.8	85,700							125
130	59.8	315.9	81,500							130
135	57.4	312.7	77,600							135
140	54.8	309.2	73,900							140
145	52.2	305.4	70,500							145
150	49.5	301.1	67,400	58.1	308.3	59,200				150
155	46.6	296.4	64,400	55.6	304.9	56,600				155
160	43.6	291.2	61,600	53.0	301.1	54,100				160
165	40.5	285.5	59,000	50.3	297.0	51,700				165
170	37.0	279.0	56,600	47.5	292.5	49,500				170
175	33.3	271.5	54,200	44.5	287.4	47,400	53.5	295.1	40,600	175
180	29.2	262.9	52,000	41.4	281.8	45,400	50.8	291.0	38,900	180
185	24.4	252.5	49,900	38.1	275.6	43,500	48.0	286.5	37,200	185
190	18.3	238.9	47,800	34.4	268.4	41,700	45.1	281.6	35,600	190
195	8.5	215.8	45,700	30.4	260.2	40,000	42.0	276.1	34,100	195
200				25.8	250.4	38,300	38.7	270.0	32,600	200
205				20.3	237.9	36,700	35.1	263.0	31,200	205
210				12.3	219.4	35,100	31.2	255.0	29,900	210
215							26.7	245.5	28,600	215
220							21.4	233.7	27,300	220
225							14.1	216.9	26,000	225



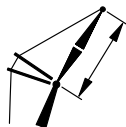
474,400 lb



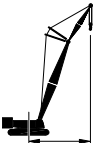
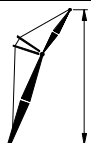
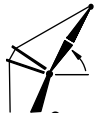
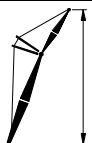
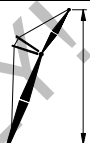
360°

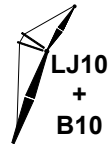


196.9 ft

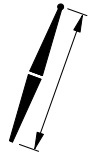


157.5 ft

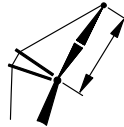
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.8	356.1	125,500							65
70	72.9	354.5	124,500							70
75	70.9	352.8	123,100							75
80	69.0	350.9	121,600							80
85	67.0	348.7	119,900	71.1	351.8	121,700				85
90	65.0	346.4	117,600	69.1	349.9	120,000				90
95	63.0	343.8	112,900	67.1	347.8	115,300				95
100	60.9	341.1	108,500	65.1	345.5	110,800				100
105	58.7	338.0	104,200	63.1	342.9	106,400	67.2	346.2	106,600	105
110	56.6	334.7	100,000	61.0	340.1	102,200	65.2	343.9	102,500	110
115	54.3	331.2	96,100	58.9	337.1	98,200	63.2	341.4	98,500	115
120	52.0	327.3	92,400	56.7	333.9	94,200	61.1	338.7	94,600	120
125	49.6	323.0	88,800	54.5	330.3	90,400	59.0	335.6	90,900	125
130	47.2	318.4	85,300	52.2	326.4	86,900	56.8	332.4	87,300	130
135	44.6	313.4	82,000	49.8	322.2	83,400	54.6	328.8	83,800	135
140	41.9	307.9	78,800	47.3	317.7	80,100	52.3	325.0	80,400	140
145	39.0	301.8	75,700	44.8	312.7	76,900	49.9	320.8	77,000	145
150	36.0	295.1	72,700	42.1	307.2	73,800	47.5	316.3	73,600	150
155	32.6	287.4	69,700	39.2	301.1	70,800	44.9	311.3	70,400	155
160	29.0	278.7	66,900	36.2	294.4	67,900	42.2	305.8	67,500	160
165	24.8	268.4	64,100	32.9	286.9	65,100	39.4	299.8	64,700	165
170	19.8	255.6	60,500	29.2	278.2	62,400	36.3	293.1	62,000	170
175	12.9	237.3	55,900	25.1	268.0	59,600	33.0	285.6	59,500	175
180				20.2	255.4	56,100	29.4	277.0	57,100	180
185				13.5	237.7	51,900	25.3	267.0	54,800	185
190							20.4	254.5	51,700	190
195							13.9	237.2	47,900	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245



474,400 lb

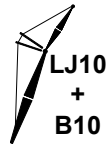


196.9 ft



157.5 ft

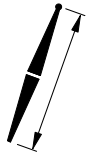
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	64.0	338.5	79,400							130
135	61.9	335.8	75,500							135
140	59.8	332.9	71,900							140
145	57.6	329.7	68,500							145
150	55.4	326.3	65,400							150
155	53.2	322.5	62,500							155
160	50.8	318.5	59,700	58.3	325.3	52,000				160
165	48.4	314.1	57,200	56.1	321.9	49,600				165
170	45.9	309.3	54,700	53.8	318.3	47,400				170
175	43.2	304.0	52,400	51.5	314.3	45,400				175
180	40.4	298.2	50,300	49.1	310.0	43,400				180
185	37.5	291.8	48,200	46.6	305.3	41,600				185
190	34.3	284.6	46,200	44.0	300.2	39,800	51.9	308.3	33,500	190
195	30.8	276.5	44,400	41.3	294.6	38,200	49.6	304.1	32,000	195
200	26.9	267.0	42,600	38.4	288.3	36,600	47.1	299.4	30,600	200
205	22.4	255.6	40,900	35.2	281.4	35,000	44.5	294.4	29,200	205
210	16.6	240.6	39,200	31.9	273.6	33,600	41.8	288.9	27,900	210
215	6.9	214.2	37,400	28.1	264.5	32,200	38.9	282.8	26,700	215
220				23.8	253.8	30,800	35.8	276.0	25,500	220
225				18.5	240.1	29,500	32.5	268.3	24,300	225
230				10.8	219.4	28,100	28.8	259.5	23,200	230
235							24.6	249.1	22,200	235
240							19.6	236.2	21,100	240
245							12.6	217.5	20,000	245



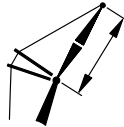
474,400 lb



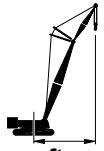
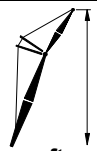
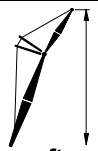
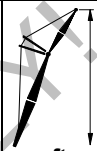
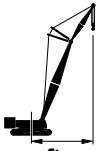
360°

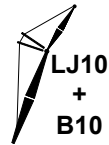


196.9 ft

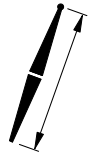


177.2 ft

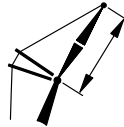
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	74.8	375.1	107,800							70
75	73.1	373.6	107,000							75
80	71.4	371.9	106,000							80
85	69.7	370.0	104,900							85
90	68.0	368.0	103,800	71.5	370.9	104,600				90
95	66.2	365.8	102,500	69.8	369.1	104,200				95
100	64.4	363.4	101,300	68.1	367.1	103,600				100
105	62.6	360.8	99,600	66.3	364.9	101,400				105
110	60.7	358.0	95,900	64.5	362.5	97,800	68.2	365.5	97,500	110
115	58.8	355.0	92,400	62.7	359.9	94,200	66.4	363.3	94,000	115
120	56.9	351.7	89,000	60.8	357.1	90,700	64.6	361.0	90,600	120
125	54.9	348.2	85,800	59.0	354.1	87,300	62.8	358.4	87,200	125
130	52.9	344.5	82,500	57.0	350.9	84,000	60.9	355.6	84,000	130
135	50.8	340.4	79,600	55.1	347.4	80,900	59.1	352.6	80,900	135
140	48.7	336.0	76,600	53.0	343.6	77,700	57.1	349.4	77,900	140
145	46.4	331.3	73,900	51.0	339.6	74,900	55.2	345.9	74,900	145
150	44.1	326.2	71,100	48.8	335.2	72,100	53.1	342.2	72,000	150
155	41.7	320.7	68,400	46.6	330.5	69,300	51.1	338.2	68,900	155
160	39.2	314.6	65,900	44.3	325.4	66,600	48.9	333.8	65,900	160
165	36.5	307.9	63,400	41.9	319.9	64,100	46.7	329.1	63,100	165
170	33.6	300.6	61,000	39.3	313.9	61,600	44.4	324.1	60,500	170
175	30.5	292.3	58,600	36.7	307.3	59,200	42.0	318.6	58,000	175
180	27.0	282.8	56,200	33.8	300.0	56,900	39.5	312.6	55,700	180
185	23.1	271.6	53,400	30.7	291.7	54,600	36.8	306.0	53,500	185
190	18.3	257.7	50,000	27.3	282.4	52,300	34.0	298.7	51,300	190
195	11.6	237.7	46,000	23.3	271.3	49,400	30.9	290.6	49,300	195
200				18.6	257.6	46,200	27.4	281.2	47,400	200
205				12.1	238.2	42,700	23.5	270.3	45,500	205
210							18.9	256.8	42,500	210
215							12.6	237.9	39,400	215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255
260										260
265										265



474,400 lb

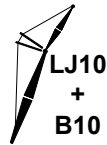


196.9 ft



177.2 ft

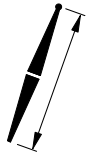
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.5	355.4	70,000							140
145	61.6	352.7	66,700							145
150	59.8	349.8	63,600							150
155	57.8	346.7	60,700							155
160	55.9	343.3	57,900							160
165	53.9	339.7	55,400							165
170	51.8	335.8	53,000	58.4	342.2	45,500				170
175	49.7	331.5	50,700	56.5	338.9	43,500				175
180	47.5	327.0	48,600	54.5	335.4	41,500				180
185	45.3	322.1	46,600	52.4	331.6	39,700				185
190	42.9	316.8	44,600	50.3	327.4	38,000				190
195	40.4	311.0	42,800	48.2	323.0	36,400				195
200	37.8	304.6	41,100	45.9	318.2	34,800	52.8	325.5	28,600	200
205	35.0	297.6	39,400	43.6	313.0	33,300	50.7	321.4	27,300	205
210	32.0	289.8	37,800	41.2	307.3	31,900	48.6	317.0	26,000	210
215	28.7	280.9	36,300	38.6	301.1	30,500	46.4	312.3	24,800	215
220	25.1	270.7	34,800	35.9	294.3	29,200	44.0	307.2	23,700	220
225	20.7	258.3	33,400	32.9	286.8	28,000	41.6	301.6	22,600	225
230	15.2	242.0	32,000	29.7	278.2	26,800	39.1	295.5	21,500	230
235	5.2	211.5	30,500	26.2	268.5	25,600	36.4	288.8	20,500	235
240				22.1	256.8	24,500	33.5	281.4	19,500	240
245				17.0	242.0	23,400	30.3	273.1	18,500	245
250				9.4	219.0	22,200	26.9	263.6	17,600	250
255							22.9	252.3	16,700	255
260							18.1	238.3	15,800	260
265							11.2	217.8	14,900	265



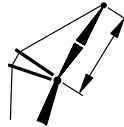
474,400 lb



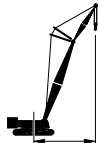
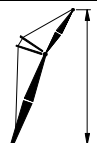
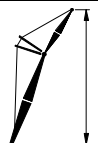
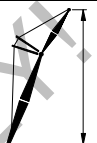
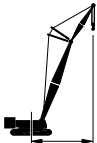
360°



196.9 ft



196.9 ft

	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
75	74.9	394.2	92,000							75
80	73.3	392.7	91,400							80
85	71.8	391.0	90,800							85
90	70.3	389.2	90,000							90
95	68.7	387.3	89,200	71.9	390.0	89,400				95
100	67.1	385.1	88,400	70.4	388.2	89,100				100
105	65.5	382.9	87,600	68.8	386.3	88,800				105
110	63.9	380.4	86,700	67.2	384.2	88,400				110
115	62.3	377.8	85,800	65.6	381.9	87,900	68.9	384.7	86,100	115
120	60.6	375.0	84,800	64.0	379.5	86,500	67.3	382.7	86,000	120
125	58.9	371.9	82,200	62.4	376.9	83,600	65.7	380.4	83,200	125
130	57.2	368.7	79,400	60.7	374.1	80,600	64.1	378.0	80,400	130
135	55.4	365.3	76,700	59.0	371.1	77,800	62.5	375.4	77,600	135
140	53.6	361.6	74,000	57.3	367.8	75,100	60.8	372.6	74,800	140
145	51.7	357.7	71,400	55.5	364.4	72,400	59.1	369.6	72,200	145
150	49.8	353.5	68,900	53.7	360.8	69,800	57.4	366.4	69,700	150
155	47.9	349.0	66,600	51.9	356.8	67,300	55.6	363.0	67,100	155
160	45.9	344.2	64,300	50.0	352.7	64,900	53.8	359.3	64,700	160
165	43.8	339.0	62,000	48.0	348.2	62,600	52.0	355.4	62,100	165
170	41.6	333.4	59,900	46.0	343.4	60,300	50.1	351.2	59,400	170
175	39.3	327.4	57,700	43.9	338.2	58,100	48.1	346.8	57,000	175
180	36.9	320.8	55,600	41.7	332.7	56,100	46.1	342.0	54,600	180
185	34.3	313.6	53,600	39.5	326.7	54,000	44.0	336.9	52,400	185
190	31.6	305.6	51,600	37.1	320.1	52,000	41.8	331.3	50,300	190
195	28.6	296.7	49,600	34.5	313.0	50,000	39.6	325.3	48,300	195
200	25.3	286.5	47,300	31.8	305.1	47,900	37.2	318.8	46,400	200
205	21.6	274.5	44,400	28.8	296.2	46,000	34.7	311.7	44,600	205
210	16.9	259.5	41,400	25.6	286.2	43,700	31.9	303.9	42,900	210
215	10.4	237.6	38,100	21.8	274.3	41,100	29.0	295.1	41,200	215
220				17.3	259.6	38,300	25.7	285.1	39,600	220
225				11.0	238.4	35,300	22.0	273.3	37,700	225
230							17.5	258.8	35,200	230
235							11.4	238.1	32,500	235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275
280										280

MLC300 S-3

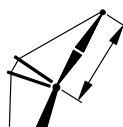
ASME B30.5



474,400 lb

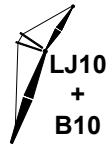


196.9 ft



196.9 ft

	75°			70°			65°			
			lb			lb			lb	
ft	ft	ft		ft	ft		ft	ft		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										140
145										145
150	63.1	372.4	62,200							150
155	61.4	369.7	59,300							155
160	59.7	366.8	56,600							160
165	58.0	363.7	54,100							165
170	56.3	360.3	51,700							170
175	54.5	356.8	49,500							175
180	52.6	353.0	47,300	58.5	359.2	40,100				180
185	50.8	348.9	45,300	56.8	355.9	38,300				185
190	48.8	344.5	43,400	55.0	352.5	36,600				190
195	46.9	339.9	41,600	53.2	348.7	35,000				195
200	44.8	334.9	39,900	51.3	344.7	33,500				200
205	42.7	329.5	38,300	49.4	340.5	32,000				205
210	40.4	323.7	36,700	47.4	335.9	30,600	53.5	342.6	24,600	210
215	38.1	317.4	35,200	45.4	331.0	29,300	51.7	338.7	23,400	215
220	35.6	310.5	33,800	43.3	325.7	28,000	49.8	334.5	22,300	220
225	33.0	303.0	32,500	41.1	320.1	26,800	47.8	330.0	21,200	225
230	30.1	294.5	31,100	38.8	313.9	25,600	45.8	325.1	20,200	230
235	27.0	285.0	29,900	36.3	307.2	24,500	43.7	319.9	19,200	235
240	23.5	274.0	28,600	33.8	299.9	23,400	41.5	314.3	18,200	240
245	19.3	260.7	27,400	31.0	291.7	22,400	39.2	308.3	17,300	245
250	14.0	243.1	26,200	27.9	282.5	21,400	36.8	301.7	16,400	250
255	3.3	206.6	24,900	24.5	272.0	20,400	34.2	294.5	15,600	255
260				20.6	259.5	19,400	31.5	286.5	14,700	260
265				15.7	243.5	18,500	28.5	277.5	13,900	265
270				8.2	218.1	17,500	25.2	267.3	13,100	270
275							21.4	255.2	12,400	275
280							16.7	240.0	11,600	280



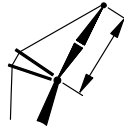
474,400 lb



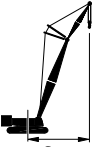
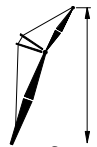
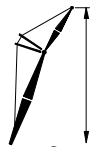
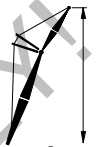
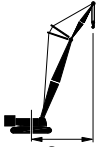
360°

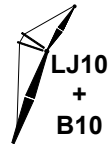


196.9 ft



216.5 ft

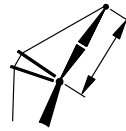
	 86°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.9	413.2	78,700							80
85	73.5	411.7	78,300							85
90	72.1	410.1	77,800							90
95	70.7	408.3	77,200							95
100	69.3	406.4	76,600							100
105	67.9	404.4	76,000	70.8	407.4	76,100				105
110	66.4	402.2	75,400	69.4	405.5	75,900				110
115	65.0	399.9	74,700	68.0	403.5	75,600				115
120	63.5	397.4	74,000	66.5	401.3	75,200				120
125	62.0	394.7	73,300	65.1	399.0	74,800	68.1	401.9	73,300	125
130	60.5	391.9	72,600	63.6	396.5	74,400	66.6	399.8	73,200	130
135	58.9	388.9	72,000	62.1	393.8	73,900	65.2	397.4	73,200	135
140	57.4	385.7	70,900	60.6	391.0	71,800	63.7	395.0	71,300	140
145	55.8	382.3	68,600	59.0	388.0	69,400	62.2	392.3	69,000	145
150	54.1	378.7	66,300	57.5	384.8	67,100	60.7	389.5	66,700	150
155	52.5	374.9	64,100	55.9	381.4	64,800	59.1	386.5	64,400	155
160	50.8	370.8	62,000	54.3	377.9	62,600	57.6	383.4	62,200	160
165	49.0	366.5	59,900	52.6	374.0	60,500	56.0	380.0	60,100	165
170	47.2	361.9	58,000	50.9	370.0	58,400	54.3	376.4	57,800	170
175	45.4	357.0	56,000	49.1	365.7	56,300	52.7	372.6	55,300	175
180	43.5	351.8	54,100	47.3	361.1	54,400	51.0	368.6	53,000	180
185	41.5	346.1	52,200	45.5	356.2	52,500	49.2	364.3	50,800	185
190	39.4	340.1	50,400	43.6	351.0	50,600	47.4	359.7	48,700	190
195	37.2	333.6	48,700	41.6	345.4	48,800	45.6	354.8	46,800	195
200	34.9	326.6	46,900	39.5	339.4	47,100	43.7	349.6	44,900	200
205	32.5	318.9	45,200	37.4	333.0	45,300	41.7	344.1	43,100	205
210	29.9	310.4	43,500	35.1	325.9	43,600	39.6	338.1	41,400	210
215	27.1	300.8	41,400	32.7	318.3	41,900	37.5	331.7	39,800	215
220	23.9	290.0	39,100	30.1	309.8	40,300	35.2	324.7	38,200	220
225	20.3	277.2	36,600	27.3	300.4	38,100	32.8	317.0	36,700	225
230	15.8	261.1	34,000	24.1	289.6	36,000	30.2	308.6	35,300	230
235	9.3	237.2	31,200	20.5	277.0	33,700	27.4	299.3	33,900	235
240				16.1	261.2	31,300	24.3	288.6	32,600	240
245				9.9	238.2	28,700	20.7	276.0	30,800	245
250							16.4	260.5	28,600	250
255							10.3	238.1	26,200	255
260										260
265										265
270										270
275										275
280										280
285										285
290										290



474,400 lb

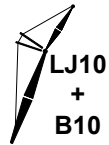


196.9 ft



216.5 ft

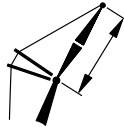
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
80							80
85							85
90							90
95							95
100							100
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160	62.7	389.4	54,700				160
165	61.2	386.7	52,200				165
170	59.7	383.7	49,900				170
175	58.1	380.6	47,600				175
180	56.6	377.3	45,500				180
185	54.9	373.8	43,600				185
190	53.3	370.1	41,700	58.6	376.2	34,700	190
195	51.6	366.2	39,900	57.0	372.9	33,100	195
200	49.9	362.0	38,200	55.4	369.5	31,600	200
205	48.1	357.5	36,600	53.8	365.8	30,200	205
210	46.3	352.8	35,100	52.1	362.0	28,800	210
215	44.4	347.7	33,600	50.4	357.8	27,500	215
220	42.4	342.3	32,200	48.6	353.5	26,200	220
225	40.4	336.4	30,800	46.8	348.8	25,000	225
230	38.3	330.2	29,600	45.0	343.8	23,900	230
235	36.1	323.4	28,300	43.0	338.5	22,800	235
240	33.7	316.0	27,100	41.0	332.8	21,700	240
245	31.2	307.9	26,000	38.9	326.7	20,700	245
250	28.5	299.0	24,900	36.7	320.1	19,700	250
255	25.5	288.8	23,800	34.4	312.9	18,800	255
260	22.1	277.1	22,800	31.9	305.0	17,900	260
265	18.1	262.8	21,700	29.3	296.3	17,000	265
270	12.9	243.8	20,700	26.4	286.5	16,100	270
275				23.1	275.3	15,300	275
280				19.4	261.9	14,400	280
285				14.6	244.7	13,600	285
290				7.1	216.6	12,700	290



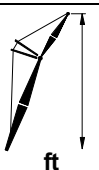
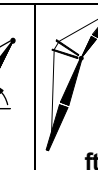
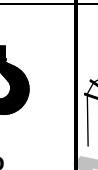
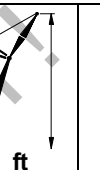
474,400 lb



216.5 ft

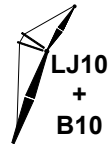


78.7 ft

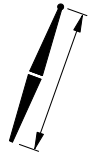
	86°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	71.4	298.2	191,000 d							50
55	67.5	296.2	185,500 c							55
60	63.4	293.7	177,300 b							60
65	59.2	290.7	167,000 b	68.6	295.6	173,500 c				65
70	54.7	287.2	157,500	64.5	293.2	163,800 b				70
75	50.0	283.0	148,500	60.4	290.3	154,600 b				75
80	44.9	278.1	140,100	56.0	287.0	145,700	65.6	292.0	148,700 c	80
85	39.3	272.1	132,100	51.3	283.0	137,500	61.4	289.3	140,500 b	85
90	32.7	264.7	124,500	46.3	278.3	129,600	57.1	286.1	132,600 b	90
95	24.6	254.8	117,100	40.9	272.7	122,200	52.5	282.3	125,200	95
100	11.4	237.2	109,700	34.6	265.7	115,100	47.7	277.8	118,100	100
105				27.1	256.6	108,200	42.3	272.4	111,500	105
110				16.2	242.6	101,400	36.3	265.9	105,100	110
115							29.2	257.4	98,900	115
120							19.6	245.3	92,700	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175

MLC300 S-3

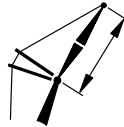
ASME B30.5



474,400 lb

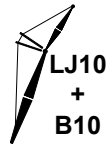


216.5 ft



78.7 ft

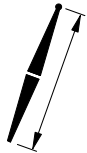
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	60.2	284.1	107,600 b							105
110	55.8	280.8	101,600							110
115	51.1	276.8	96,200							115
120	46.1	272.0	91,100							120
125	40.6	266.4	86,500	58.5	277.0	76,500 b				125
130	34.4	259.3	82,200	54.1	273.4	72,700				130
135	26.7	250.1	78,100	49.3	269.2	69,100				135
140	15.6	235.7	74,200	44.1	264.1	65,800				140
145				38.3	258.0	62,700				145
150				31.7	250.2	59,800	51.7	263.9	51,800	150
155				23.2	239.7	56,900	46.8	259.3	49,400	155
160				6.9	218.0	54,000	41.3	253.8	47,200	160
165							35.2	246.9	45,000	165
170							27.7	238.0	42,900	170
175							17.3	224.7	40,800	175



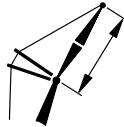
474,400 lb



360°

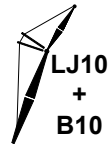


216.5 ft



98.4 ft

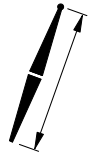
	86°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	ft	
55	72.2	317.4	165,400 c							55
60	69.1	315.4	161,500 b							60
65	65.9	313.2	157,300 b							65
70	62.6	310.6	151,000	69.9	314.8	155,800 b				70
75	59.3	307.6	143,200	66.8	312.6	148,000 b				75
80	55.7	304.3	135,900	63.5	310.2	140,400				80
85	52.1	300.4	128,900	60.2	307.3	133,200	67.6	311.4	134,800 b	85
90	48.2	296.0	122,500	56.7	304.0	126,400	64.4	309.0	128,000	90
95	44.0	290.9	116,300	53.1	300.3	119,900	61.0	306.3	121,600	95
100	39.5	284.9	110,400	49.2	296.0	113,800	57.6	303.1	115,400	100
105	34.5	277.9	104,800	45.2	291.1	108,000	54.0	299.5	109,600	105
110	28.6	269.2	99,400	40.8	285.4	102,400	50.2	295.4	104,000	110
115	21.3	257.6	94,000	35.9	278.7	97,100	46.2	290.6	98,700	115
120	8.5	236.3	88,400	30.3	270.5	92,000	41.9	285.2	93,700	120
125				23.5	259.9	87,000	37.2	278.7	88,900	125
130				13.4	243.4	81,800	31.8	271.0	84,200	130
135							25.4	261.2	79,600	135
140							16.6	246.9	75,000	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195



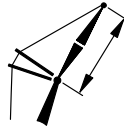
474,400 lb



360°

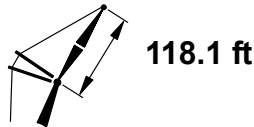
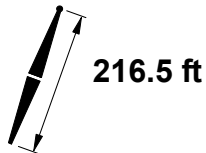
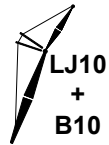


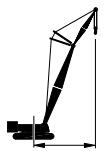
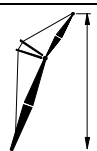
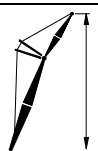
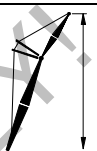
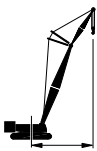
216.5 ft



98.4 ft

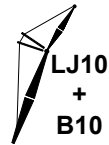
	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.4	304.0	99,700							110
115	60.0	301.1	94,400							115
120	56.6	297.8	89,400							120
125	52.9	294.0	84,900							125
130	49.1	289.8	80,700							130
135	45.0	284.8	76,800	58.7	294.0	67,200				135
140	40.6	279.1	73,200	55.2	290.5	64,000				140
145	35.7	272.3	69,800	51.5	286.6	61,000				145
150	30.1	264.1	66,700	47.6	282.1	58,200				150
155	23.2	253.4	63,600	43.4	276.8	55,600	53.4	281.2	45,300	155
160	12.8	236.3	60,600	38.8	270.8	53,100	49.6	277.0	43,200	160
165				33.6	263.5	50,800	45.5	272.1	41,300	165
170				27.6	254.5	48,500	41.1	266.5	39,500	170
175				19.9	242.2	46,300				175
180							36.3	259.9	37,700	180
185							30.8	251.8	36,000	185
190							24.1	241.5	34,400	190
195							14.5	225.8	32,700	195



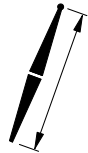
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
60	72.7	336.5	144,100 b							60
65	70.2	334.6	141,200 b							65
70	67.5	332.6	138,200							70
75	64.9	330.2	135,000	70.9	334.0	140,200 b				75
80	62.1	327.6	130,600	68.2	332.0	134,200				80
85	59.3	324.6	124,500	65.6	329.7	128,000				85
90	56.4	321.3	118,800	62.9	327.1	122,100	68.9	330.7	122,600	90
95	53.4	317.6	113,300	60.1	324.2	116,300	66.3	328.5	117,100	95
100	50.2	313.5	108,100	57.2	321.0	110,900	63.6	326.0	111,600	100
105	46.9	308.8	103,100	54.2	317.4	105,700	60.8	323.2	106,500	105
110	43.4	303.6	98,500	51.1	313.4	100,800	57.9	320.1	101,600	110
115	39.6	297.7	94,000	47.8	308.9	96,100	55.0	316.6	96,800	115
120	35.5	290.9	89,600	44.4	303.9	91,600	51.9	312.7	92,400	120
125	30.9	282.8	85,500	40.7	298.2	87,400	48.7	308.3	88,100	125
130	25.6	273.0	81,400	36.7	291.6	83,300	45.3	303.4	84,000	130
135	18.7	259.8	77,300	32.2	283.9	79,300	41.7	297.9	80,100	135
140	6.0	234.1	72,900	27.1	274.7	75,400	37.7	291.6	76,300	140
145				20.8	262.6	71,500	33.4	284.2	72,600	145
150				11.2	243.5	67,600	28.5	275.4	69,100	150
155							22.6	264.3	65,500	155
160							14.3	248.0	62,000	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215

MLC300 S-3

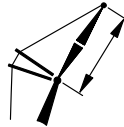
ASME B30.5



474,400 lb

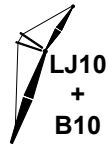


216.5 ft



118.1 ft

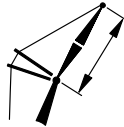
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.7	320.9	88,100							120
125	59.9	318.0	83,600							125
130	57.1	314.8	79,500							130
135	54.1	311.2	75,700							135
140	51.0	307.2	72,100							140
145	47.7	302.7	68,800	58.9	311.0	59,600				145
150	44.2	297.6	65,700	55.9	307.6	56,900				150
155	40.5	291.8	62,800	52.9	303.8	54,300				155
160	36.5	285.2	60,100	49.7	299.6	51,900				160
165	32.1	277.5	57,500	46.4	294.9	49,700				165
170	26.9	268.2	55,100	42.9	289.6	47,500				170
175	20.5	256.0	52,700	39.0	283.5	45,500	51.3	294.3	38,200	175
180	10.7	236.3	50,400	34.9	276.6	43,500	48.1	289.9	36,500	180
185				30.2	268.3	41,700	44.7	284.9	34,900	185
190				24.7	258.1	39,900	41.0	279.2	33,300	190
195				17.5	244.1	38,100	37.0	272.7	31,900	195
200							32.6	265.2	30,500	200
205							27.6	256.1	29,100	205
210							21.4	244.3	27,800	210
215							12.3	226.3	26,400	215



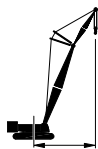
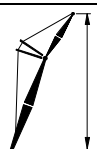
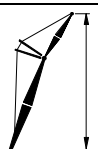
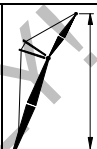
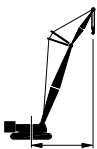
474,400 lb



216.5 ft

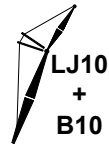


137.8 ft

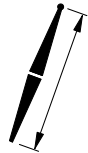
	 86°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
65	73.1	355.5	125,500							65
70	70.9	353.8	123,500							70
75	68.7	351.8	121,300							75
80	66.4	349.6	118,900	71.5	353.1	122,400				80
85	64.1	347.2	116,600	69.3	351.2	121,100				85
90	61.7	344.5	113,800	67.0	349.1	116,300				90
95	59.3	341.6	108,900	64.7	346.7	111,400				95
100	56.8	338.3	104,200	62.4	344.1	106,600	67.6	347.8	106,600	100
105	54.3	334.7	99,800	60.0	341.2	102,000	65.3	345.5	102,100	105
110	51.6	330.8	95,600	57.5	338.0	97,600	63.0	343.0	97,700	110
115	48.9	326.4	91,500	55.0	334.5	93,300	60.6	340.2	93,500	115
120	46.0	321.7	87,700	52.4	330.7	89,300	58.1	337.1	89,500	120
125	43.0	316.4	84,000	49.6	326.5	85,400	55.6	333.7	85,700	125
130	39.7	310.4	80,500	46.8	321.8	81,800	53.0	329.9	81,900	130
135	36.3	303.8	77,100	43.8	316.7	78,300	50.3	325.8	78,400	135
140	32.5	296.1	73,800	40.6	310.9	74,900	47.5	321.2	75,000	140
145	28.2	287.2	70,500	37.2	304.5	71,600	44.6	316.2	71,700	145
150	23.2	276.2	67,300	33.6	297.1	68,400	41.5	310.6	68,600	150
155	16.8	261.5	64,100	29.4	288.6	65,300	38.1	304.4	65,500	155
160	3.0	228.9	60,600	24.7	278.2	62,200	34.5	297.3	62,700	160
165				18.7	264.9	59,200	30.5	289.1	59,700	165
170				9.4	243.1	56,000	26.0	279.3	57,000	170
175							20.4	266.9	54,200	175
180							12.5	248.6	51,300	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235

MLC300 S-3

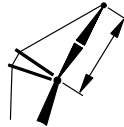
ASME B30.5



474,400 lb



216.5 ft



137.8 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	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										125
130	62.3	337.9	77,600							130
135	59.9	335.0	73,800							135
140	57.4	331.8	70,300							140
145	54.9	328.3	67,000							145
150	52.3	324.4	64,000							150
155	49.5	320.2	61,200	58.9	327.9	52,300				155
160	46.7	315.5	58,500	56.5	324.6	50,000				160
165	43.7	310.4	56,000	53.9	321.0	47,700				165
170	40.5	304.6	53,600	51.2	317.0	45,700				170
175	37.1	298.1	51,400	48.5	312.6	43,700				175
180	33.4	290.7	49,300	45.6	307.7	41,800				180
185	29.3	282.1	47,200	42.5	302.3	40,000	52.6	311.6	32,900	185
190	24.5	271.7	45,300	39.2	296.3	38,300	49.9	307.4	31,400	190
195	18.5	258.2	43,400	35.7	289.5	36,700	47.0	302.8	30,000	195
200	8.8	235.6	41,500	31.9	281.7	35,200	44.1	297.7	28,700	200
205				27.5	272.5	33,700	40.9	292.0	27,400	205
210				22.4	261.1	32,200	37.5	285.6	26,200	210
215				15.6	245.5	30,800	33.9	278.3	25,000	215
220							29.8	269.9	23,800	220
225							25.1	259.7	22,700	225
230							19.3	246.7	21,600	230
235							10.5	226.2	20,500	235