

Liftcrane Jib Capacities

Jib No. 134 with 12 ft 6 in. Strut on
 Boom No. 76
 178,000 lb Crane Counterweight
 70,500 lb Carbody Counterweight
 360 Degree Rating

14000
SERIES 3



LIFTING CAPACITIES: Chart supplements boom capacity chart No. 9460-A. Lifting capacities for various boom lengths, jib lengths, and jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

233 ft thru 292 ft boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of jib load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up. Refer to Boom Rigging No. A16106, Jib Assembly No. A16462, Wire Rope Specification chart No. 8789-A, Wind Conditions chart No. 8790-A, and Counterweight Arrangement chart No. 9461-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 Operator's Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart No. 8787-A.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



BOOM ANGLE: Boom angle in degrees ($^{\circ}$) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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

MACHINE EQUIPMENT: Machine equipped with 27 ft 2 in. crawlers, 48 in. treads, 10 ft 3 in. retractable gantry, 27 ft live mast, 20 part boom hoist reeving, boom support straps, 178,000 lb crane counterweight, two 26,500 lb carbody counterweights, and four 4,375 lb carbody counterweights.

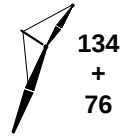
Maximum capacity on 26 mm wire rope is 31,500 lb per line (20,000 lb on 1 in. wire rope when auxiliary drum is used).

WITHOUT BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 292 ft	—	(a) 262 ft	—
282 ft	—	253 ft	—
272 ft	—	243 ft	30 ft
262 ft	40 ft	233 ft	60 ft
253 ft	70 ft	223 ft	70 ft
243 ft	80 ft	213 ft	80 ft
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 292 ft boom or over side of crawlers on 262 ft boom. Upper boom point cannot be used when jib is attached.			

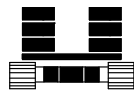
WITH BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a)(b) 292 ft	—	(a) 262 ft	—
(b) 282 ft	—	253 ft	—
272 ft	—	243 ft	30 ft
262 ft	40 ft	233 ft	(b) 60 ft
253 ft	(b) 70 ft	223 ft	70 ft
243 ft	80 ft	213 ft	80 ft
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 292 ft boom or over side of crawlers on 262 ft boom. 292 ft boom <i>must</i> be rigged with one hoist lead line. (b) Requires lowerworks jacking cylinders. Upper boom point cannot be used when jib is attached.			

Boom Catwalks Deduct
Deduct 400 lb from capacities when boom catwalks are attached.

Explanation of Symbols



Jib No. 134
+
Boom No. 76



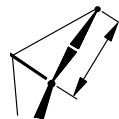
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Jib Length



Boom Angle
(see page 1)



Operating Radius
(see page 1)



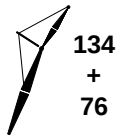
Jib offset Angle



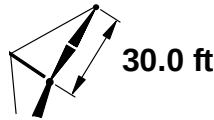
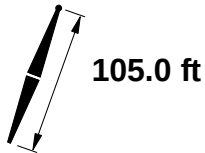
Jib Point Elevation
(see page 1)

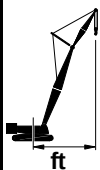
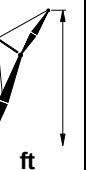
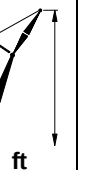
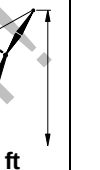


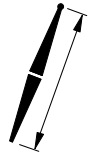
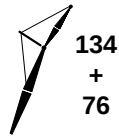
Lifting Capacities
(see page 1)



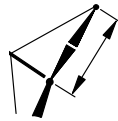
178,000 lb
+
70,500 lb



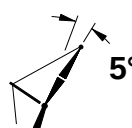
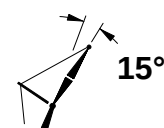
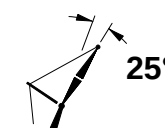
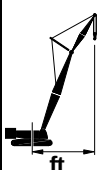
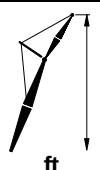
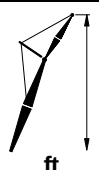
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
30	80.0	140.4	63,000*							30
35	77.8	139.3	63,000*	80.0	138.6	60,200*				35
40	75.6	138.1	63,000*	77.8	137.3	59,000*	80.1	135.5	49,800*	40
45	73.4	136.6	62,000*	75.6	135.8	58,000*	77.8	134.0	47,300*	45
50	71.1	134.9	60,600*	73.3	134.1	57,000*	75.5	132.3	45,100*	50
55	68.9	132.9	59,400*	71.1	132.1	56,100*	73.2	130.3	43,100*	55
60	66.6	130.8	58,200*	68.7	130.0	55,200*	70.8	128.1	41,300*	60
65	64.2	128.4	57,100*	66.4	127.5	54,400*	68.4	125.6	39,700*	65
70	61.8	125.7	56,100*	63.9	124.8	53,700*	66.0	122.9	38,300*	70
75	59.3	122.8	55,200*	61.4	121.9	53,100*	63.4	119.9	36,900*	75
80	56.8	119.5	54,400*	58.9	118.6	52,500*	60.9	116.6	35,700*	80
85	54.2	115.9	53,600*	56.3	115.0	50,400*	58.2	112.9	34,600*	85
90	51.5	112.0	51,600	53.5	111.0	48,400*	55.4	108.8	33,600*	90
95	48.7	107.7	47,900	50.7	106.6	46,600*	52.5	104.3	32,700*	95
100	45.7	102.8	44,500	47.7	101.8	44,900*	49.4	99.4	31,900*	100
105	42.6	97.5	41,500	44.6	96.4	41,900	46.2	93.8	31,200*	105
110	39.3	91.5	38,800	41.2	90.3	39,100	42.7	87.5	30,600*	110
115	35.7	84.8	36,300	37.6	83.4	36,600				115
120	31.8	77.0	34,100	33.6	75.5	34,300				120
125	27.4	67.8	32,000							125
130	22.1	56.3	30,100							130

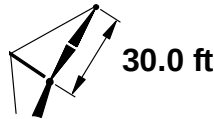
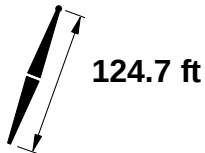
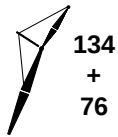


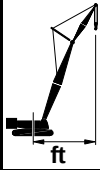
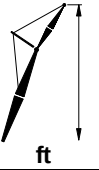
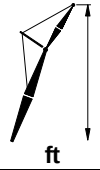
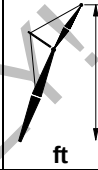
114.8 ft

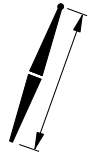
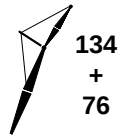


30.0 ft

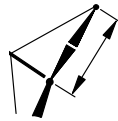
	 5°			 15°			 25°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
30	80.7	150.4	63,000*							30
35	78.6	149.4	63,000*	80.7	148.6	60,300*				35
40	76.6	148.2	63,000*	78.7	147.5	59,300*	80.8	145.7	50,700*	40
45	74.5	146.9	62,400*	76.6	146.1	58,200*	78.7	144.3	48,300*	45
50	72.5	145.3	61,200*	74.5	144.5	57,300*	76.6	142.7	46,100*	50
55	70.4	143.5	60,000*	72.4	142.7	56,400*	74.4	140.9	44,100*	55
60	68.2	141.5	58,800*	70.3	140.7	55,600*	72.3	138.8	42,400*	60
65	66.1	139.3	57,800*	68.1	138.5	54,800*	70.1	136.6	40,800*	65
70	63.9	136.9	56,800*	65.9	136.0	54,100*	67.8	134.1	39,300*	70
75	61.6	134.2	55,900*	63.6	133.3	53,500*	65.5	131.3	38,000*	75
80	59.3	131.2	55,000*	61.3	130.3	52,900*	63.2	128.3	36,800*	80
85	57.0	128.0	54,200*	58.9	127.1	52,300*	60.8	125.0	35,700*	85
90	54.6	124.5	51,300	56.5	123.5	50,600*	58.3	121.4	34,700*	90
95	52.1	120.6	47,600	54.0	119.6	48,100	55.7	117.4	33,700*	95
100	49.5	116.4	44,200	51.4	115.4	44,700	53.0	113.1	32,900*	100
105	46.8	111.7	41,200	48.6	110.7	41,600	50.2	108.3	32,100*	105
110	43.9	106.6	38,500	45.8	105.5	38,900	47.3	103.0	31,400*	110
115	41.0	101.0	36,000	42.7	99.8	36,400	44.2	97.1	30,800*	115
120	37.8	94.7	33,800	39.5	93.4	34,100				120
125	34.3	87.5	31,700	36.0	86.1	32,000				125
130	30.5	79.3	29,800	32.1	77.8	30,100				130
135	26.2	69.7	28,100							135
140	21.1	57.7	26,400							140



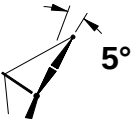
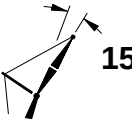
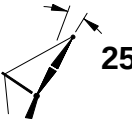
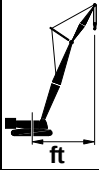
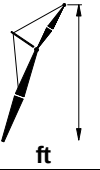
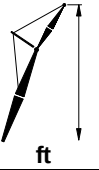
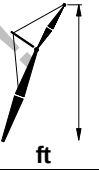
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
35	79.4	159.5	63,000*	79.4	157.6	59,400*	79.5	154.5	49,100*	35
40	77.5	158.4	63,000*	77.5	156.3	58,400*	77.5	153.0	47,000*	40
45	75.6	157.1	62,800*	75.6	154.8	57,500*	75.5	151.3	45,100*	45
50	73.6	155.6	61,600*	73.6	153.2	56,700*	73.5	149.4	43,300*	50
55	71.7	154.0	60,400*	71.6	151.3	55,900*	71.4	147.3	41,800*	55
60	69.7	152.1	59,300*	69.6	149.2	55,200*	69.4	145.0	40,300*	60
65	67.7	150.1	58,300*	67.6	147.0	54,500*	67.3	142.5	39,000*	65
70	65.7	147.8	57,400*	65.5	144.5	53,800*	65.1	139.8	37,800*	70
75	63.6	145.4	56,500*	63.4	141.8	53,200*	62.9	136.8	36,700*	75
80	61.5	142.7	55,600*	61.2	138.8	52,700*	60.7	133.5	35,600*	80
85	59.3	139.7	54,800*	59.0	135.6	51,700	58.3	129.9	34,700*	85
90	57.1	136.5	51,100	56.7	132.1	47,900	56.0	126.0	33,800*	90
95	54.9	133.0	47,300	54.4	128.2	44,500	53.5	121.7	33,000*	95
100	52.6	129.2	44,000	51.9	124.1	41,400	50.9	117.1	32,300*	100
105	50.2	125.1	41,000	49.4	119.5	38,700	48.2	112.0	31,600*	105
110	47.7	120.6	38,200	46.8	114.5	36,200	45.4	106.4	31,100*	110
115	45.1	115.7	35,800	44.0	109.1	33,900	42.4	100.2	30,500*	115
120	42.3	110.2	33,500	41.1	103.0	31,800				120
125	39.4	104.3	31,500	38.0	96.3	29,900				125
130	36.4	97.6	29,600	34.6	88.7	28,100				130
135	33.0	90.2	27,900	30.8	79.9	26,400				135
140	29.4	81.6	26,300							140
145	25.2	71.5	24,700							145
150	20.2	59.0	23,300							150

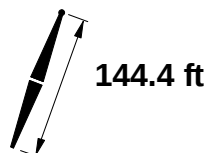
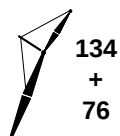


134.5 ft

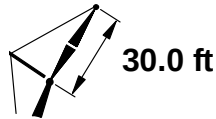
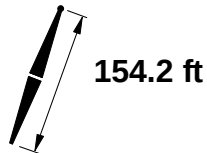
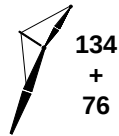


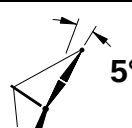
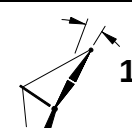
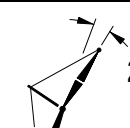
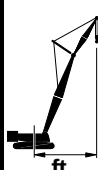
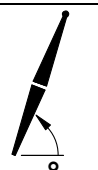
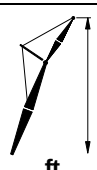
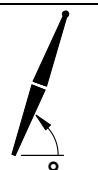
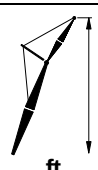
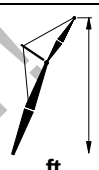
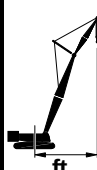
30.0 ft

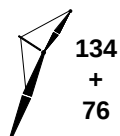
	 5°			 15°			 25°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
35	80.0	169.5	63,000*							35
40	78.2	168.5	63,000*	80.1	167.7	59,500*				40
45	76.4	167.3	63,000*	78.3	166.5	58,600*	80.1	164.6	49,900*	45
50	74.6	165.9	61,900*	76.5	165.1	57,700*	78.3	163.2	47,800*	50
55	72.8	164.4	60,800*	74.6	163.5	56,900*	76.4	161.7	45,900*	55
60	71.0	162.6	59,800*	72.8	161.8	56,100*	74.5	159.9	44,200*	60
65	69.1	160.7	58,800*	70.9	159.9	55,400*	72.7	158.0	42,700*	65
70	67.2	158.6	57,800*	69.0	157.8	54,700*	70.7	155.9	41,200*	70
75	65.3	156.4	57,000*	67.1	155.5	54,100*	68.8	153.5	39,900*	75
80	63.4	153.9	56,100*	65.1	153.0	53,500*	66.8	151.0	38,700*	80
85	61.4	151.1	55,000	63.1	150.2	53,000*	64.8	148.2	37,600*	85
90	59.4	148.2	50,800	61.1	147.3	51,400	62.7	145.2	36,600*	90
95	57.3	145.0	47,000	59.0	144.1	47,600	60.6	141.9	35,600*	95
100	55.2	141.5	43,600	56.9	140.6	44,200	58.4	138.4	34,700*	100
105	53.0	137.8	40,600	54.7	136.8	41,100	56.2	134.6	33,900*	105
110	50.8	133.8	37,900	52.4	132.7	38,400	53.9	130.4	33,200*	110
115	48.4	129.4	35,500	50.1	128.3	35,900	51.5	125.9	32,500*	115
120	46.0	124.6	33,200	47.7	123.5	33,600	49.0	121.0	31,800*	120
125	43.5	119.4	31,200	45.1	118.2	31,500	46.4	115.6	31,300*	125
130	40.9	113.7	29,300	42.4	112.5	29,600	43.7	109.7	29,900	130
135	38.1	107.5	27,600	39.6	106.1	27,800				135
140	35.1	100.5	26,000	36.6	99.1	26,200				140
145	31.9	92.7	24,500	33.3	91.1	24,700				145
150	28.3	83.7	23,100							150
155	24.2	73.2	21,700							155



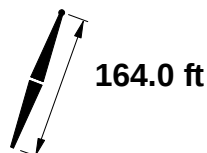
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
35	80.6	179.5	63,000*							35
40	78.9	178.6	63,000*	80.6	177.7	59,500*				40
45	77.2	177.4	63,000*	79.0	176.6	58,600*	80.7	174.8	50,600*	45
50	75.5	176.1	62,100*	77.2	175.3	57,800*	79.0	173.5	48,600*	50
55	73.8	174.7	61,100*	75.5	173.9	57,000*	77.2	172.0	46,700*	55
60	72.1	173.1	60,100*	73.8	172.2	56,300*	75.5	170.3	45,100*	60
65	70.3	171.3	59,100*	72.0	170.4	55,600*	73.7	168.5	43,500*	65
70	68.6	169.3	58,200*	70.3	168.5	54,900*	71.9	166.5	42,100*	70
75	66.8	167.2	57,400*	68.5	166.3	54,300*	70.1	164.4	40,800*	75
80	65.0	164.9	56,500*	66.6	164.0	53,800*	68.2	162.0	39,600*	80
85	63.1	162.3	54,600	64.8	161.5	53,200*	66.4	159.4	38,500*	85
90	61.3	159.6	50,300	62.9	158.7	51,000	64.5	156.6	37,400*	90
95	59.4	156.7	46,500	61.0	155.7	47,200	62.5	153.6	36,500*	95
100	57.4	153.5	43,200	59.0	152.5	43,800	60.5	150.4	35,600*	100
105	55.4	150.1	40,200	57.0	149.1	40,700	58.5	146.9	34,700*	105
110	53.4	146.4	37,500	55.0	145.4	38,000	56.4	143.1	34,000*	110
115	51.3	142.4	35,000	52.9	141.4	35,500	54.2	139.0	33,300*	115
120	49.1	138.1	32,800	50.7	137.0	33,200	52.0	134.6	32,600*	120
125	46.9	133.5	30,700	48.4	132.4	31,100	49.7	129.9	31,400	125
130	44.5	128.5	28,800	46.1	127.3	29,200	47.3	124.7	29,500	130
135	42.1	123.0	27,100	43.6	121.8	27,400	44.8	119.0	27,700	135
140	39.6	117.0	25,500	41.0	115.8	25,800	42.1	112.9	26,000	140
145	36.8	110.5	24,000	38.3	109.1	24,300				145
150	34.0	103.2	22,600	35.3	101.8	22,800				150
155	30.8	95.1	21,300	32.1	93.5	21,500				155
160	27.3	85.8	20,100							160
165	23.4	74.8	18,900							165

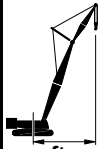
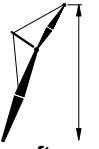
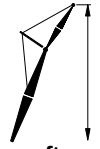
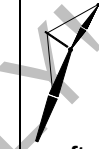


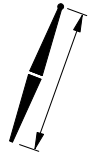
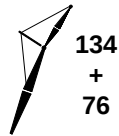
	 5°			 15°			 25°			
 ft	 o	 ft	 lb	 o	 ft	 lb	 o	 ft	 lb	 ft
40	79.5	188.6	63,000*							40
45	77.9	187.5	63,000*	79.6	186.7	58,600*				45
50	76.3	186.3	62,200*	78.0	185.5	57,800*	79.6	183.6	49,200*	50
55	74.7	184.9	61,200*	76.3	184.1	57,100*	77.9	182.2	47,500*	55
60	73.1	183.4	60,300*	74.7	182.6	56,400*	76.3	180.7	45,800*	60
65	71.4	181.8	59,300*	73.0	180.9	55,700*	74.6	179.0	44,300*	65
70	69.8	179.9	58,500*	71.4	179.1	55,100*	72.9	177.1	42,900*	70
75	68.1	177.9	57,700*	69.7	177.0	54,500*	71.2	175.1	41,600*	75
80	66.4	175.7	56,900*	68.0	174.9	53,900*	69.5	172.9	40,400*	80
85	64.7	173.4	54,200	66.3	172.5	53,400*	67.8	170.5	39,300*	85
90	62.9	170.8	49,900	64.5	169.9	50,700	66.0	167.9	38,300*	90
95	61.2	168.1	46,200	62.7	167.2	46,900	64.2	165.1	37,300*	95
100	59.4	165.2	42,800	60.9	164.2	43,400	62.3	162.1	36,400*	100
105	57.5	162.0	39,800	59.1	161.0	40,400	60.5	158.9	35,600*	105
110	55.6	158.6	37,100	57.2	157.6	37,600	58.5	155.4	34,800*	110
115	53.7	154.9	34,600	55.2	153.9	35,100	56.6	151.7	34,000*	115
120	51.7	151.0	32,400	53.2	150.0	32,900	54.6	147.7	33,300	120
125	49.7	146.8	30,400	51.2	145.8	30,800	52.5	143.3	31,200	125
130	47.6	142.3	28,500	49.1	141.2	28,900	50.3	138.7	29,200	130
135	45.4	137.4	26,700	46.9	136.3	27,100	48.1	133.7	27,400	135
140	43.2	132.2	25,100	44.6	131.0	25,500	45.8	128.3	25,700	140
145	40.8	126.5	23,700	42.2	125.2	24,000	43.3	122.4	24,200	145
150	38.3	120.2	22,300	39.7	118.9	22,500				150
155	35.7	113.4	21,000	37.0	112.0	21,200				155
160	32.9	105.9	19,800	34.2	104.3	20,000				160
165	29.8	97.4	18,600	31.1	95.7	18,800				165
170	26.4	87.7	17,600							170
175	22.6	76.4	16,500							175



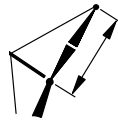
178,000 lb
+
70,500 lb



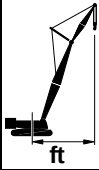
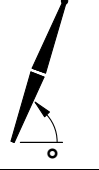
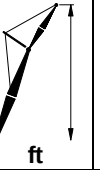
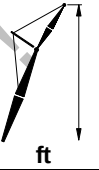
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40	80.1	198.6	63,000*	80.1	196.8	58,500*	80.1	193.7	49,900*	40
45	78.5	197.6	63,000*	78.6	195.6	57,800*	78.6	192.4	48,100*	45
50	77.0	196.5	62,200*	77.0	194.3	57,100*	77.0	191.0	46,500*	50
55	75.5	195.2	61,300*	75.5	192.9	56,400*	75.5	189.4	45,000*	55
60	74.0	193.7	60,400*	73.9	191.3	55,800*	73.9	187.6	43,700*	60
65	72.4	192.2	59,500*	72.4	189.6	55,200*	72.3	185.7	42,400*	65
70	70.9	190.4	58,700*	70.8	187.7	54,600*	70.6	183.6	41,200*	70
75	69.3	188.5	57,900*	69.2	185.6	54,100*	69.0	181.4	40,100*	75
80	67.7	186.5	57,100*	67.6	183.4	53,500*				80
85	66.1	184.3	53,900	65.9	181.0	50,400	67.3	178.9	39,000*	85
90	64.4	181.9	49,700	64.3	178.4	46,600	65.7	176.3	38,100*	90
95	62.8	179.3	45,900	62.6	175.6	43,200	63.9	173.5	37,200*	95
100	61.1	176.6	42,500	60.8	172.7	40,100	62.2	170.5	36,300*	100
105	59.4	173.6	39,500	59.1	169.5	37,400	60.4	167.3	35,500*	105
110	57.6	170.5	36,800	57.3	166.1	34,900	58.6	163.9	34,800*	110
115	55.8	167.1	34,300	55.5	162.5	32,600	56.7	160.2	33,000	115
120	54.0	163.5	32,100	53.6	158.6	30,500	54.8	156.3	30,900	120
125	52.2	159.6	30,100	51.6	154.4	28,600	52.9	152.0	29,000	125
130	50.2	155.5	28,200	49.7	150.0	26,800	50.8	147.5	27,200	130
135	48.3	151.1	26,500	47.6	145.2	25,200	48.8	142.6	25,500	135
140	46.2	146.3	24,900	45.5	140.1	23,700	46.6	137.4	24,000	140
145	44.1	141.2	23,400	43.3	134.5	22,300	44.3	131.7	22,500	145
150	41.9	135.7	22,000	40.9	128.5	21,000	41.9	125.6	21,200	150
155	39.6	129.8	20,700	38.5	122.0	19,700				155
160	37.2	123.3	19,500	35.9	114.8	18,600				160
165	34.7	116.2	18,400	33.1	106.8	17,500				165
170	31.9	108.4	17,300							170
175	28.9	99.6	16,300							175
180	25.6	89.6	15,300							180
185	21.8	77.8	14,400							185

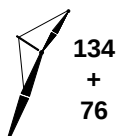


173.9 ft



30.0 ft

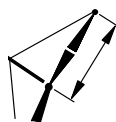
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	80.5	208.6	63,000*	80.6	206.8	58,400*	80.6	203.8	50,500*	40
45	79.1	207.7	63,000*	79.1	205.7	57,700*	79.2	202.6	48,800*	45
50	77.7	206.6	62,100*	77.7	204.5	57,000*	77.7	201.2	47,200*	50
55	76.2	205.4	61,200*	76.2	203.1	56,400*	76.2	199.7	45,700*	55
60	74.8	204.0	60,400*	74.8	201.6	55,800*	74.7	198.0	44,400*	60
65	73.3	202.5	59,600*	73.3	200.0	55,200*	73.2	196.2	43,100*	65
70	71.8	200.9	58,800*	71.8	198.2	54,600*	71.7	194.3	41,900*	70
75	70.3	199.1	58,000*	70.3	196.3	54,100*	70.1	192.2	40,800*	75
80	68.8	197.1	57,300*	68.7	194.2	53,600*				80
85	67.3	195.1	53,600							85
90	65.8	192.8	49,300	67.2	191.9	50,100	68.5	189.9	39,800*	90
95	64.2	190.4	45,500	65.6	189.5	46,300	67.0	187.4	38,800*	95
100	62.6	187.8	42,200	64.0	186.9	42,900	65.3	184.8	37,900*	100
105	61.0	185.1	39,200	62.4	184.1	39,800	63.7	182.0	37,100*	105
110	59.4	182.1	36,400	60.8	181.1	37,000	62.1	179.0	36,300*	110
115	57.7	179.0	34,000	59.1	178.0	34,500	60.4	175.8	35,100	115
120	56.0	175.6	31,700	57.4	174.6	32,300	58.6	172.4	32,700	120
125	54.3	172.0	29,700	55.7	171.0	30,200	56.9	168.7	30,600	125
130	52.5	168.2	27,800	53.9	167.2	28,300	55.1	164.8	28,700	130
135	50.7	164.2	26,100	52.1	163.1	26,500	53.2	160.7	26,900	135
140	48.9	159.8	24,500	50.2	158.7	24,900	51.3	156.2	25,200	140
145	46.9	155.2	23,000	48.3	154.1	23,400	49.4	151.5	23,700	145
150	45.0	150.2	21,600	46.3	149.1	22,000	47.3	146.4	22,200	150
155	42.9	144.9	20,300	44.2	143.7	20,600	45.2	140.9	20,900	155
160	40.8	139.2	19,100	42.0	137.9	19,400	43.0	135.0	19,600	160
165	38.5	133.0	18,000	39.8	131.7	18,300				165
170	36.2	126.3	16,900	37.4	124.9	17,200				170
175	33.7	119.0	15,900	34.9	117.4	16,100				175
180	31.0	110.8	15,000	32.1	109.2	15,200				180
185	28.1	101.8	14,100							185
190	24.9	91.4	13,300							190
195	21.2	79.2	12,400							195



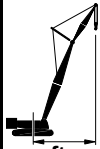
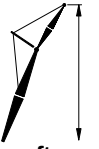
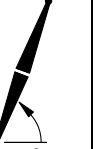
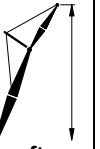
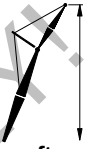
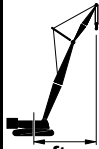
178,000 lb
+
70,500 lb

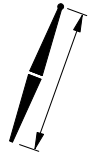
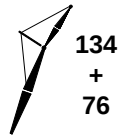


183.7 ft

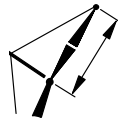


30.0 ft

	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	ft	lb	ft
40		81.0	218.6	63,000*						40
45		79.6	217.7	62,800*	81.0	216.9	58,100*			45
50		78.2	216.7	62,000*	79.7	215.8	57,500*			50
55		76.9	215.5	61,100*	78.3	214.7	56,900*	79.7	212.7	55
60		75.5	214.2	60,300*	76.9	213.4	56,300*	78.3	211.4	60
65		74.1	212.8	59,500*	75.5	211.9	55,700*	76.9	210.0	65
70		72.7	211.2	58,700*	74.1	210.4	55,100*	75.4	208.4	70
75		71.3	209.5	58,000*	72.7	208.7	54,600*	74.0	206.7	75
80		69.8	207.7	57,300*	71.2	206.8	54,100*	72.6	204.8	80
85		68.4	205.7	53,100	69.8	204.8	53,600*	71.1	202.8	85
90		66.9	203.6	48,900	68.3	202.7	49,700	69.6	200.7	90
95		65.5	201.3	45,100	66.8	200.4	45,900	68.1	198.4	95
100		64.0	198.9	41,700	65.3	198.0	42,400	66.6	195.9	100
105		62.5	196.3	38,700	63.8	195.4	39,400	65.1	193.3	105
110		60.9	193.5	36,000	62.3	192.6	36,600	63.5	190.4	110
115		59.4	190.6	33,500	60.7	189.6	34,100	61.9	187.4	115
120		57.8	187.5	31,300	59.1	186.5	31,800	60.3	184.3	120
125		56.2	184.1	29,200	57.5	183.1	29,700	58.7	180.9	125
130		54.5	180.6	27,300	55.8	179.6	27,800	57.0	177.3	130
135		52.9	176.8	25,600	54.2	175.8	26,100	55.3	173.4	135
140		51.2	172.8	24,000	52.4	171.7	24,400	53.5	169.3	140
145		49.4	168.6	22,500	50.7	167.5	22,900	51.7	165.0	145
150		47.6	164.0	21,200	48.8	162.9	21,500	49.9	160.3	150
155		45.7	159.2	19,900	47.0	158.0	20,200	48.0	155.4	155
160		43.8	154.0	18,700	45.0	152.8	19,000	46.0	150.1	160
165		41.8	148.5	17,500	43.0	147.2	17,800	43.9	144.4	165
170		39.7	142.6	16,500	40.9	141.2	16,700	41.8	138.3	170
175		37.5	136.1	15,500	38.7	134.8	15,700			175
180		35.2	129.2	14,500	36.4	127.7	14,800			180
185		32.8	121.6	13,600	33.9	120.0	13,800			185
190		30.2	113.2	12,800	31.2	111.5	13,000			190
195		27.3	103.8	12,000						195
200		24.2	93.1	11,200						200
205		20.5	80.5	10,500						205

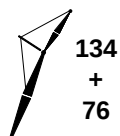


193.6 ft

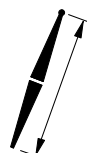


30.0 ft

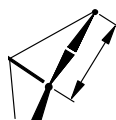
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	80.1	227.7	62,600*	80.1	225.9	57,300*	80.2	222.9	49,900*	45
50	78.8	226.7	61,300*	78.8	224.8	56,700*	78.8	221.6	48,400*	50
55	77.5	225.6	60,900*	77.5	223.5	56,100*	77.5	220.2	47,000*	55
60	76.1	224.4	60,100*	76.1	222.2	55,500*	76.1	218.7	45,600*	60
65	74.8	223.0	59,400*	74.8	220.7	55,000*	74.8	217.1	44,400*	65
70	73.5	221.6	58,600*	73.5	219.1	54,500*	73.4	215.3	43,300*	70
75	72.1	219.9	58,000*	72.1	217.3	54,000*	72.0	213.4	42,200*	75
80	70.8	218.2	57,300*	70.7	215.4	53,500*	70.6	211.4	41,100*	80
85	69.4	216.3	52,800	69.3	213.4	49,400				85
90	68.0	214.3	48,500							90
95	66.6	212.2	44,700	67.9	211.2	45,500	69.2	209.2	40,200*	95
100	65.2	209.9	41,300	66.5	208.9	42,100	67.7	206.9	39,300*	100
105	63.8	207.4	38,300	65.1	206.5	39,000	66.3	204.4	38,400*	105
110	62.3	204.8	35,600	63.6	203.8	36,300	64.8	201.7	36,900	110
115	60.9	202.0	33,100	62.1	201.1	33,700	63.3	198.9	34,300	115
120	59.4	199.1	30,900	60.7	198.1	31,500	61.8	195.9	32,000	120
125	57.9	195.9	28,800	59.1	194.9	29,400	60.3	192.7	29,900	125
130	56.3	192.6	27,000	57.6	191.6	27,500	58.7	189.3	27,900	130
135	54.8	189.1	25,200	56.0	188.1	25,700	57.1	185.8	26,100	135
140	53.2	185.4	23,600	54.4	184.3	24,100	55.5	182.0	24,500	140
145	51.5	181.4	22,100	52.8	180.4	22,600	53.8	178.0	22,900	145
150	49.9	177.3	20,800	51.1	176.2	21,200	52.1	173.7	21,500	150
155	48.2	172.8	19,500	49.4	171.7	19,800	50.4	169.1	20,200	155
160	46.4	168.1	18,300	47.6	166.9	18,600	48.6	164.3	18,900	160
165	44.6	163.1	17,100	45.7	161.9	17,500	46.7	159.1	17,700	165
170	42.7	157.7	16,100	43.8	156.4	16,400	44.8	153.6	16,600	170
175	40.7	152.0	15,100	41.9	150.7	15,400	42.8	147.7	15,600	175
180	38.7	145.8	14,200	39.8	144.4	14,400				180
185	36.6	139.2	13,300	37.7	137.7	13,500				185
190	34.3	132.0	12,400	35.4	130.5	12,600				190
195	31.9	124.1	11,600	33.0	122.5	11,800				195
200	29.4	115.5	10,900	30.4	113.7	11,000				200
205	26.6	105.8	10,100							205
210	23.5	94.8	9,400							210
215	19.9	81.8	8,800							215



178,000 lb
+
70,500 lb

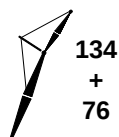


203.4 ft

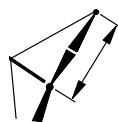


30.0 ft

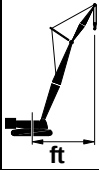
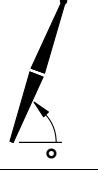
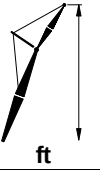
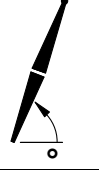
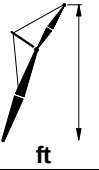
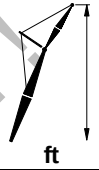
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.5	237.7	62,100*							45
50	79.3	236.8	61,300*	80.5	235.9	56,900*				50
55	78.0	235.7	60,600*	79.3	234.9	56,400*	80.6	232.9	50,400*	55
60	76.7	234.5	59,800*	78.0	233.7	55,800*	79.3	231.7	48,900*	60
65	75.5	233.2	59,100*	76.7	232.4	55,300*	78.0	230.4	47,500*	65
70	74.2	231.8	58,400*	75.5	231.0	54,800*	76.7	229.0	46,200*	70
75	72.9	230.3	57,800*	74.2	229.4	54,300*	75.4	227.4	45,000*	75
80	71.6	228.6	57,100*	72.9	227.8	53,900*	74.1	225.8	43,900*	80
85	70.3	226.9	52,500	71.6	226.0	53,400*	72.8	224.0	42,800*	85
90	69.0	224.9	48,200	70.3	224.0	49,100	71.5	222.0	41,800*	90
95	67.7	222.9	44,400	68.9	222.0	45,200	70.1	219.9	40,800*	95
100	66.3	220.7	41,000	67.6	219.8	41,800	68.8	217.7	39,900*	100
105	65.0	218.4	38,000	66.2	217.4	38,700	67.4	215.4	39,100*	105
110	63.6	215.9	35,300	64.8	215.0	36,000	66.0	212.8	36,600	110
115	62.2	213.3	32,800	63.4	212.3	33,500	64.6	210.2	34,100	115
120	60.8	210.5	30,600	62.0	209.5	31,200	63.2	207.4	31,700	120
125	59.4	207.5	28,500	60.6	206.6	29,100	61.7	204.4	29,600	125
130	57.9	204.4	26,600	59.1	203.4	27,200	60.2	201.2	27,700	130
135	56.5	201.1	24,900	57.7	200.1	25,400	58.7	197.8	25,900	135
140	55.0	197.6	23,300	56.2	196.6	23,800	57.2	194.3	24,200	140
145	53.5	194.0	21,800	54.6	192.9	22,300	55.7	190.5	22,700	145
150	51.9	190.1	20,400	53.1	189.0	20,900	54.1	186.6	21,200	150
155	50.3	185.9	19,200	51.5	184.8	19,500	52.5	182.4	19,900	155
160	48.7	181.6	17,900	49.8	180.4	18,300	50.8	177.9	18,600	160
165	47.0	176.9	16,800	48.1	175.8	17,200	49.1	173.2	17,500	165
170	45.3	172.0	15,800	46.4	170.8	16,100	47.3	168.1	16,400	170
175	43.5	166.8	14,800	44.6	165.6	15,100	45.5	162.8	15,300	175
180	41.7	161.2	13,800	42.8	160.0	14,100	43.6	157.1	14,300	180
185	39.8	155.3	12,900	40.8	154.0	13,200				185
190	37.8	148.9	12,100	38.8	147.5	12,300				190
195	35.7	142.1	11,300	36.7	140.6	11,500				195
200	33.5	134.7	10,600	34.5	133.1	10,700				200
205	31.2	126.6	9,800	32.1	124.9	10,000				205
210	28.7	117.7	9,100							210
215	25.9	107.7	8,500							215
220	22.9	96.3	7,900							220

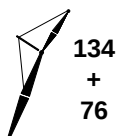


213.3 ft

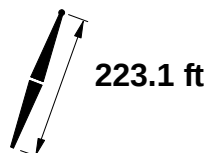


30.0 ft

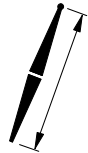
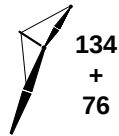
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	80.9	247.7	61,600*	80.9	246.0	56,600*	81.0	243.0	50,900*	45
50	79.7	246.8	60,900*	79.7	244.9	56,000*				50
55	78.5	245.8	60,200*	78.5	243.8	55,500*	79.8	241.9	49,400*	55
60	77.3	244.7	59,500*	77.3	242.6	55,000*	78.5	240.6	48,100*	60
65	76.1	243.4	58,800*							65
70	74.9	242.1	58,100*	76.1	241.2	54,500*	77.3	239.2	46,800*	70
75	73.6	240.6	57,500*	74.8	239.7	54,100*	76.0	237.8	45,600*	75
80	72.4	239.0	56,900*	73.6	238.1	53,600*	74.8	236.1	44,500*	80
85	71.1	237.3	52,100	72.4	236.4	53,100	73.5	234.4	43,400*	85
90	69.9	235.5	47,800	71.1	234.6	48,700	72.3	232.6	42,400*	90
95	68.6	233.5	44,000	69.8	232.6	44,900	71.0	230.6	41,400*	95
100	67.3	231.5	40,600	68.5	230.5	41,400	69.7	228.5	40,500*	100
105	66.1	229.2	37,600	67.2	228.3	38,400	68.4	226.2	39,100	105
110	64.8	226.9	34,900	65.9	226.0	35,600	67.1	223.9	36,300	110
115	63.4	224.4	32,400	64.6	223.4	33,100	65.7	221.3	33,700	115
120	62.1	221.8	30,200	63.3	220.8	30,800	64.4	218.6	31,400	120
125	60.8	219.0	28,100	61.9	218.0	28,700	63.0	215.8	29,300	125
130	59.4	216.0	26,200	60.6	215.0	26,800	61.6	212.8	27,300	130
135	58.0	212.9	24,500	59.2	211.9	25,000	60.2	209.7	25,500	135
140	56.6	209.6	22,900	57.7	208.6	23,400	58.8	206.3	23,900	140
145	55.2	206.2	21,400	56.3	205.1	21,900	57.3	202.8	22,300	145
150	53.7	202.5	20,000	54.8	201.5	20,500	55.8	199.1	20,900	150
155	52.2	198.7	18,800	53.3	197.6	19,200	54.3	195.2	19,500	155
160	50.7	194.6	17,600	51.8	193.5	18,000	52.8	191.0	18,300	160
165	49.1	190.3	16,400	50.3	189.2	16,800	51.2	186.6	17,100	165
170	47.6	185.7	15,400	48.6	184.6	15,700	49.6	182.0	16,000	170
175	45.9	180.9	14,400	47.0	179.8	14,700	47.9	177.1	15,000	175
180	44.2	175.8	13,400	45.3	174.6	13,700	46.2	171.9	14,000	180
185	42.5	170.4	12,600	43.6	169.2	12,800	44.4	166.3	13,100	185
190	40.7	164.7	11,700	41.8	163.4	12,000	42.6	160.4	12,200	190
195	38.8	158.6	10,900	39.9	157.2	11,200				195
200	36.9	152.0	10,200	37.9	150.6	10,400				200
205	34.9	144.9	9,500	35.8	143.4	9,700				205
210	32.7	137.3	8,800	33.7	135.7	9,000				210
215	30.4	129.0	8,100	31.4	127.3	8,300				215
220	28.0	119.8	7,500							220
225	25.3	109.5	6,900							225
230	22.3	97.9	6,300							230



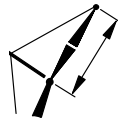
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.1	256.8	60,500*							50
55	78.9	255.9	59,700*	80.1	255.0	55,700*				55
60	77.8	254.8	59,100*	79.0	253.9	55,200*	80.2	252.0	49,900*	60
65	76.6	253.6	58,400*	77.8	252.7	54,600*	79.0	250.8	48,600*	65
70	75.5	252.3	57,700*	76.6	251.4	54,200*	77.8	249.4	47,300*	70
75	74.3	250.9	57,100*	75.5	250.0	53,700*	76.6	248.0	46,100*	75
80	73.1	249.4	56,400	74.3	248.5	53,200*	75.4	246.5	45,000*	80
85	71.9	247.7	51,500	73.1	246.8	52,600	74.2	244.8	43,900*	85
90	70.7	246.0	47,200	71.9	245.1	48,200	73.0	243.1	43,000*	90
95	69.5	244.1	43,400	70.7	243.2	44,400	71.8	241.2	42,000*	95
100	68.3	242.1	40,100	69.4	241.2	40,900	70.5	239.2	41,100*	100
105	67.1	240.0	37,000	68.2	239.1	37,800	69.3	237.0	38,600	105
110	65.8	237.8	34,300	67.0	236.8	35,100	68.0	234.8	35,800	110
115	64.6	235.4	31,800	65.7	234.5	32,600	66.8	232.3	33,200	115
120	63.3	232.9	29,600	64.4	231.9	30,300	65.5	229.8	30,900	120
125	62.0	230.2	27,500	63.1	229.3	28,200	64.2	227.1	28,800	125
130	60.7	227.4	25,700	61.8	226.5	26,300	62.9	224.3	26,800	130
135	59.4	224.5	23,900	60.5	223.5	24,500	61.5	221.3	25,000	135
140	58.1	221.4	22,300	59.2	220.4	22,800	60.2	218.1	23,300	140
145	56.7	218.1	20,800	57.8	217.1	21,300	58.8	214.8	21,800	145
150	55.3	214.7	19,500	56.4	213.6	19,900	57.4	211.3	20,400	150
155	53.9	211.1	18,200	55.0	210.0	18,600	56.0	207.6	19,000	155
160	52.5	207.2	17,000	53.6	206.2	17,400	54.5	203.7	17,800	160
165	51.1	203.2	15,800	52.1	202.1	16,200	53.1	199.7	16,600	165
170	49.6	199.0	14,800	50.6	197.9	15,200	51.6	195.3	15,500	170
175	48.1	194.5	13,800	49.1	193.4	14,100	50.0	190.8	14,400	175
180	46.5	189.8	12,800	47.6	188.6	13,200	48.4	186.0	13,500	180
185	44.9	184.8	12,000	45.9	183.6	12,300	46.8	180.9	12,500	185
190	43.3	179.6	11,100	44.3	178.3	11,400	45.1	175.5	11,600	190
195	41.6	174.0	10,300	42.6	172.7	10,600	43.4	169.8	10,800	195
200	39.8	168.1	9,600	40.8	166.7	9,800				200
205	38.0	161.7	8,900	39.0	160.3	9,100				205
210	36.1	155.0	8,200	37.0	153.5	8,400				210
215	34.1	147.7	7,500	35.0	146.2	7,700				215
220	32.0	139.8	6,900	32.9	138.2	7,100				220
225	29.7	131.3	6,300	30.6	129.5	6,500				225
230	27.3	121.8	5,700							230
235	24.7	111.3	5,100*							235
240	21.7	99.3	4,400*							240

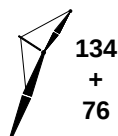


232.9 ft

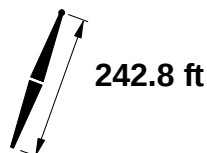


30.0 ft

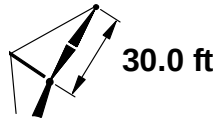
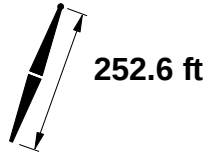
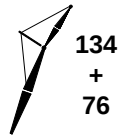
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.5	266.8	59,900*	80.5	265.0	55,300*	80.5	262.0	50,400*	50
55	79.4	265.9	59,200*	79.4	264.0	54,800*	79.4	260.9	49,100*	55
60	78.3	264.9	58,600*	78.3	262.8	54,300*	78.3	259.6	47,800*	60
65	77.1	263.7	57,900*	77.1	261.6	53,800*	77.1	258.3	46,600*	65
70	76.0	262.5	57,300*	76.0	260.2	53,400*	76.0	256.8	45,500*	70
75	74.9	261.1	56,700*	74.9	258.8	53,000*	74.8	255.2	44,500*	75
80	73.7	259.7	56,100*	73.7	257.2	52,600*	73.7	253.5	43,500*	80
85	72.6	258.1	51,700	72.6	255.5	48,400	72.5	251.7	42,600*	85
90	71.5	256.4	47,400	71.4	253.7	44,500				90
95	70.3	254.6	43,600							95
100	69.1	252.7	40,200	70.2	251.8	41,100	71.3	249.8	41,700*	100
105	68.0	250.7	37,200	69.1	249.8	38,000	70.1	247.7	38,800	105
110	66.8	248.6	34,500	67.9	247.6	35,200	68.9	245.6	36,000	110
115	65.6	246.3	32,000	66.7	245.4	32,700	67.7	243.3	33,400	115
120	64.4	243.9	29,700	65.5	243.0	30,400	66.5	240.8	31,100	120
125	63.1	241.4	27,700	64.2	240.4	28,300	65.3	238.3	28,900	125
130	61.9	238.7	25,800	63.0	237.8	26,400	64.0	235.6	27,000	130
135	60.7	235.9	24,100	61.7	234.9	24,600	62.7	232.7	25,200	135
140	59.4	233.0	22,500	60.5	232.0	23,000	61.5	229.7	23,500	140
145	58.1	229.9	21,000	59.2	228.9	21,500	60.2	226.6	22,000	145
150	56.8	226.6	19,600	57.9	225.6	20,100	58.8	223.3	20,500	150
155	55.5	223.2	18,300	56.6	222.2	18,800	57.5	219.8	19,200	155
160	54.2	219.6	17,100	55.2	218.5	17,500	56.1	216.2	17,900	160
165	52.8	215.8	16,000	53.8	214.7	16,400	54.7	212.3	16,700	165
170	51.4	211.9	14,900	52.4	210.8	15,300	53.3	208.3	15,600	170
175	50.0	207.7	13,900	51.0	206.6	14,300	51.9	204.0	14,600	175
180	48.5	203.3	13,000	49.5	202.1	13,300	50.4	199.6	13,600	180
185	47.0	198.7	12,100	48.0	197.5	12,400	48.9	194.8	12,700	185
190	45.5	193.8	11,300	46.5	192.6	11,600	47.3	189.9	11,800	190
195	44.0	188.6	10,500	44.9	187.4	10,800	45.7	184.6	11,000	195
200	42.3	183.2	9,700	43.3	181.9	10,000	44.1	179.0	10,200	200
205	40.7	177.4	9,000	41.6	176.1	9,300	42.4	173.1	9,500	205
210	39.0	171.3	8,300	39.9	170.0	8,600				210
215	37.2	164.8	7,700	38.1	163.4	7,900				215
220	35.3	157.9	7,100	36.2	156.4	7,300				220
225	33.3	150.4	6,500	34.2	148.8	6,600				225
230	31.3	142.3	5,900	32.1	140.6	6,100				230
235	29.1	133.5	5,300*							235
240	26.7	123.8	4,600*							240
245	24.1	113.0	4,000*							245

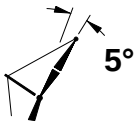
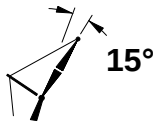
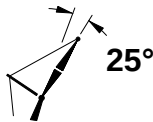
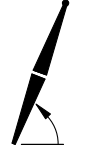
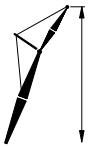
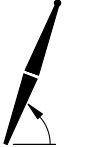
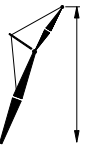
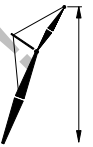


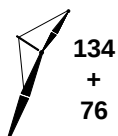
178,000 lb
+
70,500 lb



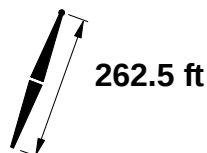
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.8	276.8	59,300*	80.9	275.0	54,800*	80.9	272.1	50,800*	50
55	79.8	275.9	58,600*	79.8	274.0	54,400*	79.8	271.0	49,500*	55
60	78.7	274.9	58,000*	78.7	272.9	53,900*	78.7	269.8	48,300*	60
65	77.6	273.8	57,400*	77.6	271.7	53,500*	77.6	268.5	47,100*	65
70	76.5	272.6	56,800*	76.5	270.4	53,100*	76.5	267.0	46,000*	70
75	75.4	271.3	56,200*	75.4	269.0	52,700*	75.4	265.5	45,000*	75
80	74.4	269.9	55,700*	74.3	267.5	52,300*	74.3	263.9	44,000*	80
85	73.3	268.4	51,400	73.2	265.9	48,100	73.2	262.2	43,100*	85
90	72.2	266.8	47,100	72.1	264.2	44,200				90
95	71.0	265.1	43,300							95
100	69.9	263.3	39,900	71.0	262.4	40,800	72.0	260.3	41,700	100
105	68.8	261.3	36,900	69.9	260.4	37,700	70.9	258.4	38,500	105
110	67.7	259.3	34,100	68.7	258.4	34,900	69.7	256.3	35,700	110
115	66.5	257.1	31,600	67.6	256.2	32,400	68.6	254.1	33,100	115
120	65.4	254.8	29,400	66.4	253.9	30,100	67.4	251.8	30,800	120
125	64.2	252.4	27,300	65.2	251.5	28,000	66.2	249.3	28,600	125
130	63.0	249.9	25,500	64.1	248.9	26,100	65.0	246.8	26,700	130
135	61.8	247.2	23,700	62.9	246.2	24,300	63.8	244.0	24,900	135
140	60.6	244.4	22,100	61.7	243.4	22,700	62.6	241.2	23,200	140
145	59.4	241.5	20,600	60.4	240.5	21,200	61.4	238.2	21,600	145
150	58.2	238.4	19,200	59.2	237.3	19,700	60.1	235.1	20,200	150
155	56.9	235.1	18,000	57.9	234.1	18,400	58.9	231.8	18,900	155
160	55.6	231.7	16,800	56.7	230.7	17,200	57.6	228.3	17,600	160
165	54.4	228.1	15,600	55.4	227.1	16,100	56.3	224.7	16,400	165
170	53.0	224.4	14,600	54.0	223.3	15,000	54.9	220.9	15,300	170
175	51.7	220.5	13,600	52.7	219.4	14,000	53.6	216.9	14,300	175
180	50.3	216.3	12,600	51.3	215.2	13,000	52.2	212.7	13,300	180
185	49.0	212.0	11,800	49.9	210.9	12,100	50.8	208.3	12,400	185
190	47.5	207.5	10,900	48.5	206.3	11,200	49.3	203.7	11,500	190
195	46.1	202.7	10,100	47.0	201.5	10,400	47.8	198.8	10,700	195
200	44.6	197.7	9,400	45.5	196.4	9,700	46.3	193.6	9,900	200
205	43.1	192.3	8,700	44.0	191.1	8,900	44.7	188.2	9,100	205
210	41.5	186.7	8,000	42.4	185.4	8,200	43.1	182.5	8,400	210
215	39.9	180.8	7,300	40.8	179.5	7,600				215
220	38.2	174.5	6,700	39.1	173.1	6,900				220
225	36.4	167.8	6,100	37.3	166.4	6,300				225
230	34.6	160.7	5,500*	35.4	159.1	5,700				230
235	32.7	153.0	4,800*	33.5	151.4	5,100*				235
240	30.6	144.7	4,200*	31.4	143.0	4,400*				240



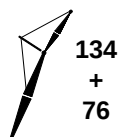
	 5°			 15°			 25°			
 ft	 o	 ft	 lb	 o	 ft	 lb	 o	 ft	 lb	 ft
55	80.1	285.9	57,900*							55
60	79.1	285.0	57,300*	80.1	284.1	53,900*				60
65	78.0	283.9	56,800*	79.1	283.0	53,500*	80.2	281.1	49,900*	65
70	77.0	282.8	56,200*	78.1	281.9	53,000*	79.1	279.9	48,700*	70
75	76.0	281.5	55,700*	77.0	280.6	52,600*	78.1	278.6	47,600*	75
80	74.9	280.2	55,100*	76.0	279.3	52,200*	77.0	277.3	46,500*	80
85	73.9	278.7	51,000	74.9	277.8	51,900*	75.9	275.8	45,500*	85
90	72.8	277.2	46,700	73.8	276.3	47,800	74.9	274.2	44,500*	90
95	71.7	275.5	42,900	72.8	274.6	43,900	73.8	272.6	43,600*	95
100	70.7	273.8	39,500	71.7	272.9	40,400	72.7	270.8	41,300	100
105	69.6	271.9	36,500	70.6	271.0	37,300	71.6	268.9	38,200	105
110	68.5	269.9	33,700	69.5	269.0	34,600	70.5	266.9	35,300	110
115	67.4	267.9	31,300	68.4	266.9	32,000	69.4	264.8	32,800	115
120	66.3	265.7	29,000	67.3	264.7	29,700	68.3	262.6	30,400	120
125	65.2	263.4	27,000	66.2	262.4	27,600	67.1	260.3	28,300	125
130	64.0	260.9	25,100	65.0	260.0	25,700	66.0	257.8	26,300	130
135	62.9	258.4	23,300	63.9	257.4	23,900	64.8	255.2	24,500	135
140	61.7	255.7	21,700	62.8	254.7	22,300	63.7	252.5	22,800	140
145	60.6	252.9	20,200	61.6	251.9	20,800	62.5	249.7	21,300	145
150	59.4	249.9	18,800	60.4	248.9	19,400	61.3	246.7	19,900	150
155	58.2	246.8	17,600	59.2	245.8	18,100	60.1	243.5	18,500	155
160	57.0	243.6	16,400	58.0	242.6	16,800	58.9	240.3	17,300	160
165	55.8	240.2	15,200	56.8	239.2	15,700	57.6	236.8	16,100	165
170	54.5	236.7	14,200	55.5	235.6	14,600	56.4	233.2	15,000	170
175	53.3	233.0	13,200	54.2	231.9	13,600	55.1	229.5	13,900	175
180	52.0	229.1	12,200	53.0	228.0	12,600	53.8	225.5	13,000	180
185	50.7	225.0	11,400	51.6	223.9	11,700	52.5	221.4	12,000	185
190	49.4	220.7	10,500	50.3	219.6	10,900	51.1	217.0	11,200	190
195	48.0	216.2	9,700	48.9	215.1	10,100	49.7	212.5	10,300	195
200	46.6	211.5	9,000	47.5	210.4	9,300	48.3	207.7	9,500	200
205	45.2	206.6	8,300	46.1	205.4	8,600	46.8	202.6	8,800	205
210	43.7	201.4	7,600	44.6	200.2	7,900	45.4	197.3	8,100	210
215	42.2	196.0	6,900	43.1	194.7	7,200	43.8	191.8	7,400	215
220	40.7	190.2	6,300	41.6	188.9	6,600	42.2	185.8	6,700	220
225	39.1	184.1	5,700*	39.9	182.7	6,000				225
230	37.4	177.6	5,000*	38.3	176.2	5,300*				230
235	35.7	170.8	4,300*	36.5	169.3	4,600*				235



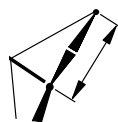
178,000 lb
+
70,500 lb



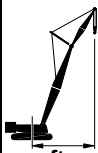
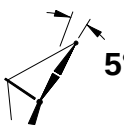
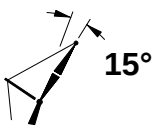
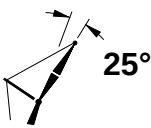
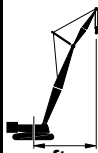
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.5	295.9	57,100*							55
60	79.5	295.0	56,600*	80.5	294.1	53,300*				60
65	78.5	294.0	56,000*	79.5	293.1	52,900*	80.5	291.1	49,900*	65
70	77.5	292.9	55,500*	78.5	292.0	52,500*	79.5	290.0	49,100*	70
75	76.4	291.7	53,500*	77.5	290.8	52,100*	78.5	288.8	48,000*	75
80	75.4	290.4	52,500*	76.5	289.5	51,700*	77.5	287.5	47,000*	80
85	74.4	289.0	50,600	75.4	288.1	51,400*	76.4	286.1	45,900*	85
90	73.4	287.5	46,300	74.4	286.6	47,400	75.4	284.6	45,000*	90
95	72.4	285.9	42,500	73.4	285.0	43,500	74.4	283.0	44,100*	95
100	71.3	284.2	39,100	72.3	283.3	40,000	73.3	281.3	41,000	100
105	70.3	282.4	36,000	71.3	281.5	36,900	72.3	279.4	37,800	105
110	69.2	280.5	33,300	70.2	279.6	34,100	71.2	277.5	35,000	110
115	68.2	278.5	30,800	69.2	277.6	31,600	70.1	275.5	32,400	115
120	67.1	276.4	28,600	68.1	275.5	29,300	69.1	273.4	30,000	120
125	66.1	274.2	26,500	67.0	273.3	27,200	68.0	271.1	27,900	125
130	65.0	271.9	24,600	66.0	270.9	25,300	66.9	268.8	25,900	130
135	63.9	269.4	22,900	64.9	268.5	23,500	65.8	266.3	24,100	135
140	62.8	266.9	21,300	63.8	265.9	21,900	64.7	263.7	22,400	140
145	61.7	264.2	19,800	62.6	263.2	20,300	63.5	261.0	20,900	145
150	60.5	261.4	18,400	61.5	260.4	18,900	62.4	258.1	19,400	150
155	59.4	258.4	17,100	60.4	257.4	17,600	61.2	255.1	18,100	155
160	58.3	255.3	15,900	59.2	254.3	16,400	60.1	252.0	16,800	160
165	57.1	252.1	14,800	58.0	251.1	15,200	58.9	248.8	15,700	165
170	55.9	248.7	13,700	56.9	247.7	14,100	57.7	245.3	14,600	170
175	54.7	245.2	12,700	55.7	244.1	13,100	56.5	241.8	13,500	175
180	53.5	241.5	11,800	54.4	240.4	12,200	55.3	238.0	12,500	180
185	52.3	237.7	10,900	53.2	236.6	11,300	54.0	234.1	11,600	185
190	51.0	233.6	10,000	51.9	232.5	10,400	52.7	230.0	10,700	190
195	49.7	229.4	9,300	50.6	228.3	9,600	51.4	225.7	9,900	195
200	48.4	225.0	8,500	49.3	223.8	8,800	50.1	221.2	9,100	200
205	47.1	220.4	7,800	48.0	219.2	8,100	48.7	216.5	8,400	205
210	45.7	215.5	7,100	46.6	214.3	7,400	47.3	211.6	7,600	210
215	44.3	210.5	6,500	45.2	209.2	6,700	45.9	206.4	7,000	215
220	42.9	205.1	5,800*	43.8	203.8	6,100	44.4	200.9	6,300	220
225	41.4	199.5	5,000*	42.3	198.2	5,400*	42.9	195.2	5,600*	225
230	39.9	193.6	4,300*	40.7	192.2	4,600*				230

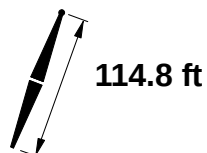
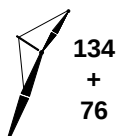


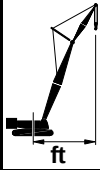
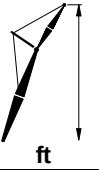
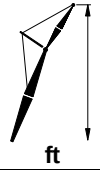
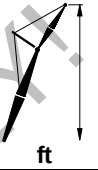
105.0 ft

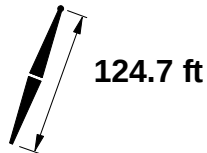
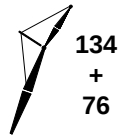


40.0 ft

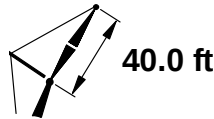
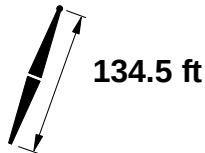
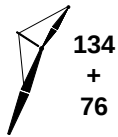
 ft	 5°			 15°			 25°			 ft	
	 o	ft	lb	 o	ft	lb	 o	ft	lb		
35		79.3	149.5			53,700*					35
40		77.2	148.3			52,400*					40
45		75.2	147.0			51,100*					45
50		73.1	145.4			50,000*					50
55		71.0	143.6			48,900*					55
60		68.9	141.6			47,800*					60
65		66.7	139.4			46,900*					65
70		64.5	137.0			46,000*					70
75		62.3	134.3			45,200*					75
80		60.0	131.3			44,400*					80
85		57.6	128.1			43,700*					85
90		55.2	124.6			43,000*					90
95		52.7	120.7			42,400*					95
100		50.1	116.5			41,800*					100
105		47.4	111.9			40,000*					105
110		44.6	106.8			38,200*					110
115		41.6	101.1			36,500*					115
120		38.4	94.8			34,700					120
125		35.0	87.7			32,700					125
130		31.2	79.5			30,800					130
135		26.9	69.9			29,000					135
140		21.8	57.9			27,300					140

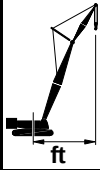
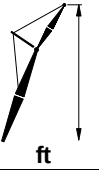
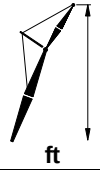
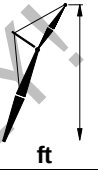


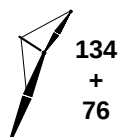
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
35	80.0	159.6	53,900*							35
40	78.1	158.5	52,700*	80.6	157.4	48,300*				40
45	76.2	157.2	51,500*	78.7	156.1	47,400*				45
50	74.2	155.7	50,400*	76.8	154.6	46,700*	79.4	152.3	38,900*	50
55	72.3	154.1	49,300*	74.8	153.0	46,000*	77.4	150.6	37,200*	55
60	70.3	152.2	48,300*	72.8	151.1	45,300*	75.4	148.7	35,700*	60
65	68.3	150.2	47,500*	70.8	149.0	44,700*	73.3	146.6	34,400*	65
70	66.3	147.9	46,600*	68.8	146.8	44,100*	71.2	144.3	33,100*	70
75	64.2	145.5	45,700*	66.7	144.3	43,500*	69.1	141.8	32,000*	75
80	62.1	142.8	45,000*	64.6	141.6	42,800*	66.9	139.0	30,900*	80
85	60.0	139.8	44,300*	62.4	138.6	40,800*	64.7	135.9	30,000*	85
90	57.8	136.6	43,600*	60.2	135.4	39,100*	62.5	132.6	29,100*	90
95	55.5	133.1	43,000*	57.9	131.8	37,500*	60.1	129.0	28,300*	95
100	53.2	129.3	42,400*	55.5	128.0	36,000*	57.7	125.1	27,500*	100
105	50.8	125.2	41,900	53.1	123.8	34,700*	55.2	120.8	26,900*	105
110	48.3	120.7	39,100	50.6	119.3	33,500*	52.6	116.2	26,200*	110
115	45.7	115.8	36,700	48.0	114.3	32,400*	49.9	111.0	25,700*	115
120	43.0	110.4	34,400	45.2	108.8	31,400*	47.1	105.3	25,200*	120
125	40.1	104.4	32,400	42.3	102.7	30,400*	44.0	99.1	24,700*	125
130	37.0	97.8	30,500	39.1	96.0	29,600*				130
135	33.7	90.3	28,700	35.7	88.3	28,800*				135
140	30.0	81.8	27,100	32.0	79.6	27,300				140
145	25.8	71.7	25,600							145



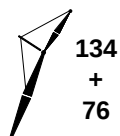
	5°			15°			25°			
		ft	lb		ft	lb		ft	lb	
35	80.6	169.6	54,100*							35
40	78.8	168.6	52,900*							40
45	77.0	167.4	51,800*	79.4	166.3	47,600*				45
50	75.2	166.0	50,700*	77.6	164.9	46,900*	80.0	162.5	39,500*	50
55	73.4	164.5	49,700*	75.8	163.3	46,200*	78.2	160.9	37,900*	55
60	71.5	162.7	48,800*	73.9	161.6	45,600*	76.3	159.2	36,400*	60
65	69.7	160.8	47,900*	72.0	159.7	45,000*	74.4	157.2	35,100*	65
70	67.8	158.7	47,100*	70.1	157.6	44,400*	72.5	155.1	33,800*	70
75	65.9	156.4	46,300*	68.2	155.3	43,900*	70.5	152.7	32,700*	75
80	63.9	154.0	45,500*	66.2	152.8	43,400*	68.5	150.2	31,700*	80
85	62.0	151.2	44,800*	64.2	150.0	42,500*	66.5	147.4	30,700*	85
90	59.9	148.3	44,100*	62.2	147.0	40,700*	64.4	144.4	29,800*	90
95	57.9	145.1	43,500*	60.1	143.8	39,100*	62.3	141.1	29,000*	95
100	55.7	141.6	43,000*	58.0	140.3	37,600*	60.1	137.5	28,300*	100
105	53.6	137.9	41,600	55.8	136.6	36,200*	57.8	133.6	27,600*	105
110	51.3	133.9	38,900	53.5	132.5	34,900*	55.5	129.5	26,900*	110
115	49.0	129.5	36,400	51.2	128.0	33,800*	53.1	124.9	26,300*	115
120	46.6	124.7	34,100	48.8	123.2	32,700*	50.6	119.9	25,800*	120
125	44.1	119.5	32,100	46.2	118.0	31,700*	48.0	114.5	25,300*	125
130	41.5	113.8	30,200	43.5	112.2	30,600	45.2	108.6	24,900*	130
135	38.7	107.6	28,500	40.7	105.8	28,800				135
140	35.7	100.6	26,800	37.7	98.7	27,100				140
145	32.5	92.8	25,300	34.4	90.8	25,600				145
150	28.9	83.9	23,900							150
155	24.9	73.4	22,600							155



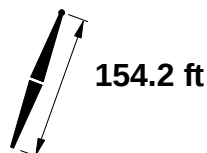
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	79.4	178.6	53,000*							40
45	77.8	177.5	52,000*	80.0	176.4	47,700*				45
50	76.1	176.2	51,000*	78.3	175.1	47,000*	80.6	172.7	40,000*	50
55	74.4	174.8	50,000*	76.6	173.6	46,300*	78.9	171.2	38,500*	55
60	72.6	173.2	49,100*	74.9	172.0	45,700*	77.1	169.6	37,000*	60
65	70.9	171.4	48,300*	73.1	170.2	45,200*	75.3	167.7	35,700*	65
70	69.1	169.4	47,500*	71.3	168.3	44,600*	73.5	165.7	34,500*	70
75	67.3	167.3	46,700*	69.5	166.1	44,100*	71.7	163.5	33,400*	75
80	65.5	165.0	46,000*	67.7	163.8	43,700*	69.9	161.2	32,400*	80
85	63.7	162.4	45,300*	65.9	161.2	43,200*	68.0	158.6	31,400*	85
90	61.8	159.7	44,600*	64.0	158.5	42,200*	66.1	155.8	30,500*	90
95	59.9	156.8	44,000*	62.0	155.5	40,600*	64.1	152.8	29,700*	95
100	58.0	153.6	43,400*	60.1	152.3	39,000*	62.1	149.5	29,000*	100
105	56.0	150.2	41,200	58.1	148.8	37,600*	60.0	146.0	28,300*	105
110	53.9	146.5	38,500	56.0	145.1	36,300*	57.9	142.2	27,600*	110
115	51.8	142.5	36,000	53.9	141.1	35,100*	55.8	138.1	27,000*	115
120	49.7	138.2	33,800	51.7	136.8	34,000*	53.5	133.6	26,400*	120
125	47.4	133.6	31,700	49.4	132.1	32,200	51.2	128.8	25,900*	125
130	45.1	128.6	29,900	47.1	127.0	30,300	48.8	123.6	25,400*	130
135	42.7	123.1	28,100	44.6	121.5	28,500	46.2	117.9	25,000*	135
140	40.1	117.2	26,500	42.0	115.4	26,900	43.6	111.6	24,600*	140
145	37.4	110.6	25,000	39.3	108.8	25,300				145
150	34.5	103.4	23,600	36.3	101.4	23,900				150
155	31.4	95.3	22,300	33.1	93.1	22,500				155
160	27.9	86.0	21,100							160
165	24.0	75.0	19,900							165

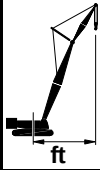
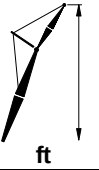
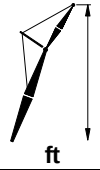
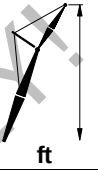


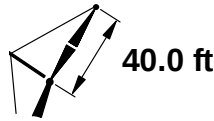
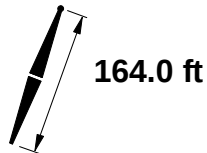
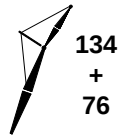
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	80.0	188.7	53,100*	80.6	186.5	47,700*				40
45	78.4	187.6	52,100*	79.0	185.3	47,100*				45
50	76.8	186.4	51,100*	77.4	183.9	46,400*	79.5	181.4	39,000*	50
55	75.2	185.0	50,300*	75.7	182.4	45,900*	77.9	179.9	37,600*	55
60	73.6	183.5	49,400*	74.1	180.7	45,300*	76.2	178.2	36,300*	60
65	71.9	181.8	48,600*	72.4	178.8	44,800*	74.5	176.3	35,100*	65
70	70.3	180.0	47,800*	70.7	176.8	44,300*	72.8	174.2	34,000*	70
75	68.6	178.0	47,100*	69.0	174.6	43,900*	71.0	172.0	33,000*	75
80	66.9	175.8	46,400*	67.3	172.2	43,500*	69.3	169.6	32,100*	80
85	65.2	173.5	45,700*	65.5	169.7	43,100*	67.5	167.0	31,200*	85
90	63.5	170.9	45,100*	63.7	166.9	42,000*	65.7	164.2	30,400*	90
95	61.7	168.2	44,400*	61.9	164.0	40,400*	63.8	161.2	29,600*	95
100	59.9	165.2	43,800	60.1	160.8	39,000*	61.9	157.9	28,900*	100
105	58.0	162.1	40,800	58.2	157.3	37,700*	60.0	154.4	28,200*	105
110	56.2	158.7	38,000	56.2	153.7	36,200	58.0	150.7	27,600*	110
115	54.2	155.0	35,600	54.2	149.7	33,900	56.0	146.6	27,100*	115
120	52.3	151.1	33,300	52.2	145.5	31,800	53.9	142.3	26,500*	120
125	50.2	146.9	31,300	50.0	140.9	29,900	51.7	137.6	26,000*	125
130	48.1	142.4	29,400	47.9	136.0	28,100	49.5	132.6	25,600*	130
135	46.0	137.5	27,600	45.6	130.7	26,400	47.1	127.1	25,200*	135
140	43.7	132.3	26,000	43.2	124.9	24,900	44.7	121.1	24,800*	140
145	41.4	126.6	24,500	40.7	118.6	23,500				145
150	38.9	120.4	23,100	38.0	111.6	22,100				150
155	36.2	113.6	21,800	35.1	103.9	20,900				155
160	33.4	106.0	20,600	32.0	95.3	19,700				160
165	30.4	97.6	19,500							165
170	27.0	87.9	18,400							170
175	23.1	76.6	17,400							175

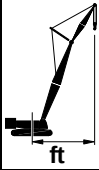
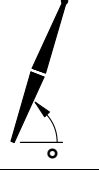
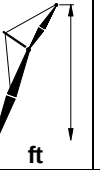
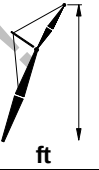


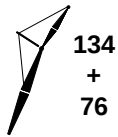
178,000 lb
+
70,500 lb



	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	80.5	198.7	53,000*							40
45	79.0	197.7	52,100*							45
50	77.5	196.5	51,200*	79.5	195.4	47,100*				50
55	76.0	195.3	50,400*	78.0	194.1	46,500*	80.1	191.6	39,500*	55
60	74.4	193.8	49,600*	76.5	192.7	45,900*	78.5	190.2	38,100*	60
65	72.9	192.2	48,800*	74.9	191.1	45,400*	76.9	188.5	36,900*	65
70	71.3	190.5	48,000*	73.3	189.3	45,000*	75.3	186.8	35,700*	70
75	69.8	188.6	47,300*	71.8	187.4	44,500*	73.7	184.8	34,600*	75
80	68.2	186.6	46,700*	70.1	185.4	44,100*	72.1	182.8	33,600*	80
85	66.6	184.4	46,000*	68.5	183.1	43,600*	70.5	180.5	32,700*	85
90	64.9	182.0	45,400*	66.9	180.7	43,300*	68.8	178.1	31,800*	90
95	63.3	179.4	44,800*	65.2	178.2	42,900*	67.1	175.4	31,000*	95
100	61.6	176.7	43,400	63.5	175.4	41,800*	65.4	172.6	30,200*	100
105	59.9	173.7	40,400	61.8	172.4	40,300*	63.6	169.6	29,500*	105
110	58.1	170.6	37,700	60.0	169.2	38,400	61.8	166.4	28,900*	110
115	56.3	167.2	35,200	58.2	165.8	35,900	60.0	162.9	28,200*	115
120	54.5	163.6	32,900	56.4	162.2	33,600	58.1	159.2	27,700*	120
125	52.7	159.7	30,900	54.5	158.3	31,500	56.2	155.2	27,100*	125
130	50.7	155.6	29,000	52.6	154.1	29,500	54.2	151.0	26,600*	130
135	48.8	151.2	27,300	50.6	149.7	27,800	52.2	146.4	26,100*	135
140	46.7	146.5	25,700	48.5	144.9	26,100	50.1	141.5	25,700*	140
145	44.6	141.4	24,200	46.4	139.7	24,600	47.9	136.2	24,900	145
150	42.4	135.9	22,800	44.2	134.2	23,200	45.6	130.5	23,500	150
155	40.1	129.9	21,500	41.9	128.1	21,800	43.2	124.3	22,100	155
160	37.7	123.5	20,300	39.4	121.6	20,600				160
165	35.2	116.4	19,100	36.8	114.4	19,400				165
170	32.4	108.5	18,100	34.0	106.4	18,300				170
175	29.4	99.8	17,100							175
180	26.1	89.8	16,100							180
185	22.4	78.0	15,200							185



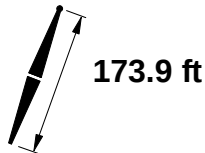
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	81.0	208.7	53,000*							40
45	79.6	207.7	52,100*							45
50	78.1	206.7	51,300*	80.1	205.5	47,100*				50
55	76.7	205.4	50,400*	78.6	204.3	46,500*	80.6	201.8	40,000*	55
60	75.2	204.1	49,700*	77.1	202.9	46,000*	79.1	200.4	38,600*	60
65	73.8	202.6	48,900*	75.7	201.4	45,500*	77.6	198.9	37,400*	65
70	72.3	200.9	48,200*	74.2	199.7	45,000*	76.1	197.2	36,300*	70
75	70.8	199.2	47,500*	72.7	198.0	44,600*	74.6	195.4	35,200*	75
80	69.3	197.2	46,900*	71.2	196.0	44,200*	73.0	193.4	34,200*	80
85	67.8	195.1	46,300*	69.6	193.9	43,800*	71.5	191.3	33,300*	85
90	66.2	192.9	45,700*	68.1	191.6	43,400*	69.9	189.0	32,400*	90
95	64.7	190.5	45,100*	66.5	189.2	43,100*	68.3	186.5	31,600*	95
100	63.1	187.9	43,100	64.9	186.6	42,700*	66.7	183.9	30,800*	100
105	61.5	185.1	40,100	63.3	183.8	40,900	65.1	181.0	30,100*	105
110	59.8	182.2	37,400	61.7	180.9	38,100	63.4	178.0	29,400*	110
115	58.2	179.1	34,900	60.0	177.7	35,600	61.7	174.8	28,800*	115
120	56.5	175.7	32,600	58.3	174.3	33,300	60.0	171.4	28,200*	120
125	54.8	172.1	30,600	56.5	170.7	31,200	58.2	167.7	27,700*	125
130	53.0	168.3	28,700	54.8	166.9	29,300	56.4	163.8	27,200*	130
135	51.2	164.3	27,000	52.9	162.8	27,500	54.5	159.6	26,700*	135
140	49.3	159.9	25,400	51.1	158.4	25,800	52.6	155.1	26,200*	140
145	47.4	155.3	23,900	49.1	153.7	24,300	50.6	150.4	24,700	145
150	45.4	150.4	22,500	47.1	148.7	22,900	48.6	145.2	23,300	150
155	43.4	145.0	21,200	45.1	143.4	21,600	46.4	139.7	21,900	155
160	41.3	139.3	20,000	42.9	137.6	20,300	44.2	133.7	20,600	160
165	39.0	133.1	18,800	40.6	131.3	19,200				165
170	36.7	126.4	17,800	38.2	124.5	18,100				170
175	34.2	119.1	16,800	35.7	117.0	17,000				175
180	31.5	111.0	15,800	33.0	108.7	16,000				180
185	28.6	101.9	14,900							185
190	25.4	91.6	14,100							190
195	21.7	79.4	13,200							195



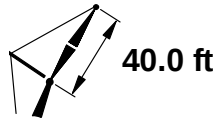
178,000 lb
+
70,500 lb



360°

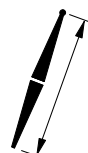
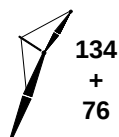


173.9 ft

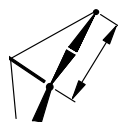


40.0 ft

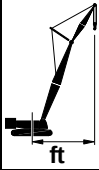
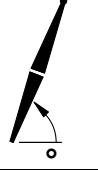
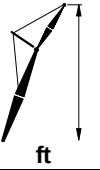
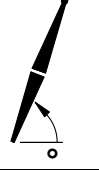
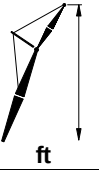
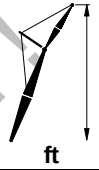
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.0	217.8	52,000*							45
50	78.7	216.7	51,200*	80.5	215.6	47,000*				50
55	77.3	215.6	50,400*	79.2	214.4	46,500*				55
60	75.9	214.3	49,700*	77.8	213.1	46,000*	79.6	210.6	39,100*	60
65	74.5	212.9	49,000*	76.4	211.7	45,500*	78.2	209.1	37,900*	65
70	73.1	211.3	48,300*	74.9	210.1	45,100*	76.8	207.5	36,800*	70
75	71.7	209.6	47,600*	73.5	208.4	44,600*	75.3	205.8	35,700*	75
80	70.3	207.8	47,000*	72.1	206.6	44,200*	73.9	203.9	34,700*	80
85	68.8	205.8	46,400*	70.6	204.6	43,900*	72.4	201.9	33,800*	85
90	67.4	203.7	45,900*	69.2	202.4	43,500*	70.9	199.8	33,000*	90
95	65.9	201.4	45,300*	67.7	200.2	43,200*	69.4	197.4	32,100*	95
100	64.4	199.0	42,700	66.2	197.7	42,900*	67.9	195.0	31,400*	100
105	62.9	196.4	39,700	64.7	195.1	40,600	66.4	192.3	30,700*	105
110	61.4	193.6	37,000	63.1	192.3	37,800	64.8	189.5	30,000*	110
115	59.8	190.7	34,500	61.6	189.3	35,300	63.2	186.5	29,400*	115
120	58.2	187.5	32,300	60.0	186.2	33,000	61.6	183.3	28,800*	120
125	56.6	184.2	30,200	58.3	182.8	30,900	59.9	179.8	28,200*	125
130	55.0	180.7	28,300	56.7	179.3	28,900	58.2	176.2	27,700*	130
135	53.3	176.9	26,600	55.0	175.5	27,200	56.5	172.3	27,200*	135
140	51.6	172.9	25,000	53.3	171.4	25,500	54.8	168.2	26,000	140
145	49.8	168.7	23,500	51.5	167.1	24,000	52.9	163.9	24,400	145
150	48.0	164.1	22,100	49.7	162.6	22,600	51.1	159.2	23,000	150
155	46.2	159.3	20,800	47.8	157.7	21,200	49.2	154.2	21,600	155
160	44.2	154.1	19,600	45.8	152.5	20,000	47.2	148.8	20,300	160
165	42.2	148.6	18,500	43.8	146.9	18,800	45.1	143.1	19,100	165
170	40.2	142.7	17,400	41.7	140.9	17,700	42.9	136.9	18,000	170
175	38.0	136.3	16,400	39.5	134.4	16,700				175
180	35.7	129.3	15,500	37.2	127.3	15,700				180
185	33.2	121.7	14,600	34.7	119.6	14,800				185
190	30.6	113.3	13,700	32.0	111.0	13,900				190
195	27.8	104.0	12,900							195
200	24.6	93.3	12,100							200
205	21.0	80.8	11,400							205

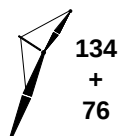


183.7 ft



40.0 ft

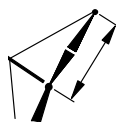
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
45		80.5	227.8	51,800*		81.0	225.6			45
50		79.2	226.8	51,100*		79.6	224.5			50
55		77.9	225.7	50,300*		78.3	223.3			55
60		76.6	224.5	49,600*		77.0	221.9	80.1	220.7	60
65		75.2	223.1	48,900*		75.6	220.4	78.8	219.3	65
70		73.9	221.6	48,300*		74.3	218.8	77.4	217.8	70
75		72.5	220.0	47,700*		72.9	217.1	76.0	216.2	75
80		71.2	218.3	47,100*		71.5	215.2	74.6	214.4	80
85		69.8	216.4	46,500*		70.2	213.1	73.2	212.5	85
90		68.4	214.4	46,000*		68.8	211.0	71.8	210.5	90
95		67.0	212.2	45,500*		67.3	208.7	70.4	208.3	95
100		65.6	209.9	42,300		65.9	206.2	69.0	205.9	100
105		64.2	207.5	39,300		64.4	203.6	67.5	203.4	105
110		62.8	204.9	36,500		63.0	200.8	66.0	200.7	110
115		61.3	202.1	34,000		61.5	197.8	64.5	197.9	115
120		59.8	199.2	31,800		59.9	194.7	63.0	194.9	120
125		58.3	196.0	29,700		58.4	191.3	61.5	191.7	125
130		56.8	192.7	27,900		56.8	187.8	59.9	188.3	130
135		55.2	189.2	26,100		55.2	184.0	58.3	184.7	135
140		53.6	185.5	24,500		53.6	180.1	56.7	180.9	140
145		52.0	181.5	23,000		51.9	175.8	55.0	176.8	145
150		50.3	177.3	21,600		50.1	171.3	53.3	172.5	150
155		48.6	172.9	20,300		48.4	166.6	51.5	168.0	155
160		46.8	168.2	19,100		46.5	161.5	49.7	163.1	160
165		45.0	163.2	18,000		44.6	156.1	47.8	157.9	165
170		43.1	157.8	16,900		42.7	150.3	45.9	152.3	170
175		41.2	152.1	15,900		40.6	144.0	43.8	146.4	175
180		39.1	145.9	15,000		38.4	137.3			180
185		37.0	139.3	14,100		36.2	130.0			185
190		34.8	132.1	13,200		33.7	122.0			190
195		32.4	124.3	12,400						195
200		29.8	115.6	11,700						200
205		27.0	106.0	10,900						205
210		23.9	95.0	10,200						210



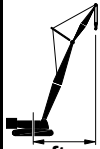
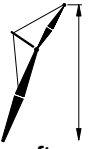
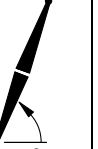
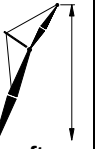
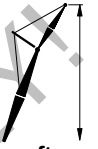
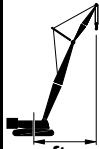
178,000 lb
+
70,500 lb

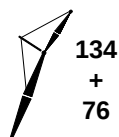


193.6 ft

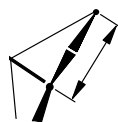


40.0 ft

	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.9	237.8	51,600*							45
50	79.6	236.9	50,800*							50
55	78.4	235.8	50,200*	80.1	234.6	46,200*				55
60	77.1	234.6	49,500*	78.8	233.4	45,800*	80.5	230.9	39,900*	60
65	75.9	233.3	48,800*	77.6	232.1	45,400*	79.3	229.5	38,800*	65
70	74.6	231.9	48,200*	76.3	230.7	45,000*	78.0	228.1	37,700*	70
75	73.3	230.4	47,600*	75.0	229.2	44,600*	76.6	226.5	36,700*	75
80	72.0	228.7	47,100*	73.7	227.5	44,200*	75.3	224.8	35,700*	80
85	70.7	226.9	46,500*	72.4	225.7	43,900*	74.0	223.0	34,800*	85
90	69.4	225.0	46,000*	71.0	223.8	43,500*	72.7	221.1	34,000*	90
95	68.1	223.0	45,300	69.7	221.7	43,200*	71.3	219.0	33,200*	95
100	66.7	220.8	44,900	68.4	219.5	42,900	70.0	216.8	32,400*	100
105	65.4	218.5	38,900	67.0	217.2	39,800	68.6	214.4	31,700*	105
110	64.0	216.0	36,100	65.6	214.7	37,000	67.2	211.9	31,000*	110
115	62.6	213.4	33,700	64.2	212.0	34,500	65.8	209.2	30,400*	115
120	61.2	210.6	31,400	62.8	209.2	32,200	64.3	206.4	29,800*	120
125	59.8	207.6	29,300	61.4	206.3	30,100	62.9	203.3	29,300*	125
130	58.3	204.5	27,500	59.9	203.1	28,100	61.4	200.2	28,700*	130
135	56.9	201.2	25,700	58.4	199.8	26,400	59.9	196.8	26,900	135
140	55.4	197.7	24,100	56.9	196.3	24,700	58.4	193.2	25,300	140
145	53.9	194.0	22,600	55.4	192.6	23,200	56.8	189.4	23,700	145
150	52.3	190.1	21,200	53.8	188.7	21,800	55.2	185.4	22,200	150
155	50.7	186.0	19,900	52.2	184.5	20,400	53.6	181.2	20,900	155
160	49.1	181.7	18,700	50.6	180.1	19,200	51.9	176.7	19,600	160
165	47.4	177.0	17,600	48.9	175.4	18,000	50.2	171.9	18,400	165
170	45.7	172.1	16,500	47.2	170.5	16,900	48.4	166.9	17,300	170
175	43.9	166.9	15,500	45.4	165.2	15,900	46.6	161.5	16,200	175
180	42.1	161.4	14,600	43.5	159.6	14,900	44.7	155.7	15,200	180
185	40.2	155.4	13,700	41.6	153.6	14,000				185
190	38.2	149.1	12,900	39.6	147.1	13,200				190
195	36.1	142.2	12,100	37.5	140.2	12,300				195
200	33.9	134.8	11,300	35.2	132.7	11,500				200
205	31.6	126.7	10,600	32.9	124.4	10,800				205
210	29.1	117.8	9,900							210
215	26.3	107.9	9,200							215
220	23.3	96.5	8,600							220

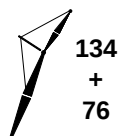


203.4 ft

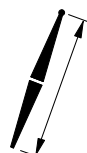


40.0 ft

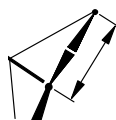
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50	80.1	246.9	50,600*	80.5	244.7	46,000*	80.9	241.0	40,300*	50
55	78.9	245.9	49,900*	79.3	243.5	45,600*	79.7	239.7	39,200*	55
60	77.7	244.7	49,300*	78.1	242.3	45,200*	78.5	238.3	38,100*	60
65	76.5	243.5	48,700*	76.8	240.9	44,800*	77.2	236.8	37,100*	65
70	75.2	242.2	48,100*	75.6	239.5	44,500*	76.0	235.2	36,200*	70
75	74.0	240.7	47,500*	74.4	237.9	44,100*	74.7	233.5	35,300*	75
80	72.8	239.1	47,000*	73.1	236.2	43,800*	73.4	231.6	34,400*	80
85	71.5	237.4	46,500*	71.9	234.3	43,500*	72.1	229.6	33,700*	85
90	70.3	235.6	46,000*	70.6	232.4	43,200*				90
95	69.0	233.6	45,000							95
100	67.7	231.5	41,600	69.3	230.3	42,600	70.8	227.5	32,900*	100
105	66.4	229.3	38,500	68.0	228.0	39,500	69.5	225.3	32,200*	105
110	65.1	227.0	35,800	66.7	225.7	36,700	68.2	222.9	31,500*	110
115	63.8	224.5	33,300	65.4	223.2	34,200	66.9	220.3	30,900*	115
120	62.5	221.8	31,100	64.0	220.5	31,900	65.5	217.6	30,300*	120
125	61.1	219.1	29,000	62.7	217.7	29,800	64.1	214.8	29,700*	125
130	59.8	216.1	27,100	61.3	214.7	27,800	62.7	211.8	28,500	130
135	58.4	213.0	25,400	59.9	211.6	26,000	61.3	208.6	26,700	135
140	57.0	209.7	23,800	58.5	208.3	24,400	59.9	205.3	25,000	140
145	55.6	206.3	22,300	57.0	204.8	22,900	58.4	201.7	23,400	145
150	54.1	202.6	20,900	55.6	201.1	21,500	56.9	198.0	22,000	150
155	52.6	198.7	19,600	54.1	197.2	20,100	55.4	194.0	20,600	155
160	51.1	194.7	18,400	52.5	193.1	18,900	53.8	189.8	19,300	160
165	49.5	190.4	17,300	51.0	188.8	17,700	52.2	185.4	18,100	165
170	47.9	185.8	16,200	49.4	184.2	16,600	50.6	180.8	17,000	170
175	46.3	181.0	15,200	47.7	179.4	15,600	48.9	175.8	16,000	175
180	44.6	176.0	14,300	46.0	174.3	14,600	47.2	170.6	15,000	180
185	42.9	170.6	13,400	44.3	168.8	13,700	45.4	165.0	14,000	185
190	41.1	164.8	12,500	42.5	163.0	12,900	43.5	159.0	13,100	190
195	39.2	158.7	11,700	40.6	156.8	12,000				195
200	37.3	152.1	11,000	38.6	150.1	11,200				200
205	35.3	145.1	10,300	36.5	143.0	10,500				205
210	33.1	137.4	9,600	34.4	135.2	9,800				210
215	30.8	129.1	8,900	32.0	126.7	9,100				215
220	28.4	119.9	8,300							220
225	25.7	109.7	7,700							225
230	22.7	98.1	7,100							230



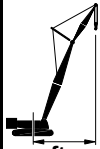
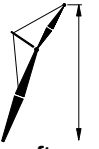
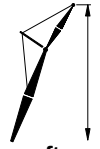
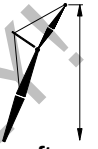
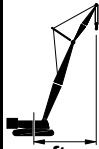
178,000 lb
+
70,500 lb

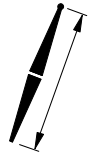
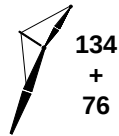


213.3 ft

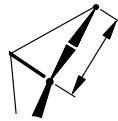


40.0 ft

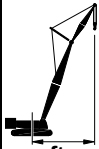
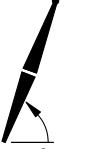
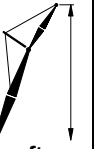
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50	80.5	256.9	50,200*							50
55	79.3	255.9	49,600*	80.9	254.7	45,800*				55
60	78.2	254.8	49,000*	79.7	253.6	45,400*				60
65	77.0	253.7	48,400*	78.5	252.4	45,000*	80.1	249.8	39,500*	65
70	75.8	252.4	47,900*	77.4	251.1	44,700*	78.9	248.5	38,500*	70
75	74.6	251.0	47,300*	76.2	249.7	44,300*	77.7	247.1	37,500*	75
80	73.5	249.4	46,800*	75.0	248.2	44,000*	76.5	245.5	36,600*	80
85	72.3	247.8	46,300*	73.8	246.6	43,700*	75.3	243.9	35,700*	85
90	71.1	246.1	45,900*	72.6	244.8	43,300*	74.1	242.1	34,900*	90
95	69.9	244.2	44,600	71.4	242.9	43,100*	72.9	240.2	34,100*	95
100	68.6	242.2	41,200	70.2	240.9	42,300	71.6	238.2	33,400*	100
105	67.4	240.1	38,200	68.9	238.8	39,200	70.4	236.0	32,700*	105
110	66.2	237.9	35,400	67.7	236.6	36,400	69.1	233.8	32,000*	110
115	64.9	235.5	32,900	66.4	234.2	33,800	67.9	231.3	31,400*	115
120	63.7	233.0	30,700	65.1	231.6	31,500	66.6	228.8	30,800*	120
125	62.4	230.3	28,600	63.9	229.0	29,400	65.3	226.1	30,200	125
130	61.1	227.5	26,700	62.6	226.2	27,500	63.9	223.2	28,200	130
135	59.8	224.6	25,000	61.2	223.2	25,700	62.6	220.2	26,300	135
140	58.4	221.5	23,400	59.9	220.1	24,000	61.2	217.1	24,700	140
145	57.1	218.2	21,900	58.5	216.8	22,500	59.9	213.7	23,100	145
150	55.7	214.8	20,500	57.1	213.3	21,100	58.5	210.2	21,600	150
155	54.3	211.1	19,200	55.7	209.7	19,800	57.0	206.5	20,300	155
160	52.9	207.3	18,000	54.3	205.8	18,500	55.6	202.6	19,000	160
165	51.4	203.3	16,900	52.8	201.8	17,400	54.1	198.5	17,800	165
170	50.0	199.1	15,800	51.3	197.5	16,300	52.6	194.1	16,700	170
175	48.4	194.6	14,800	49.8	193.0	15,200	51.0	189.6	15,600	175
180	46.9	189.9	13,900	48.2	188.3	14,300	49.4	184.7	14,600	180
185	45.3	184.9	13,000	46.6	183.3	13,400	47.8	179.6	13,700	185
190	43.6	179.7	12,100	45.0	177.9	12,500	46.1	174.2	12,800	190
195	41.9	174.1	11,300	43.3	172.3	11,700	44.3	168.4	11,900	195
200	40.2	168.2	10,600	41.5	166.3	10,900				200
205	38.4	161.8	9,900	39.6	159.9	10,200				205
210	36.5	155.1	9,200	37.7	153.0	9,400				210
215	34.5	147.8	8,500	35.7	145.7	8,800				215
220	32.4	140.0	7,900	33.5	137.7	8,100				220
225	30.1	131.4	7,300							225
230	27.7	122.0	6,700							230
235	25.1	111.5	6,200							235
240	22.1	99.5	5,600							240

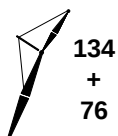


223.1 ft

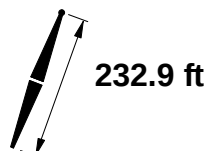


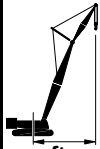
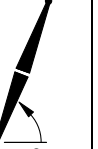
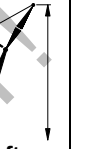
40.0 ft

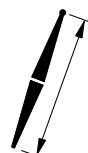
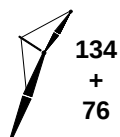
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50	80.8	266.9	49,900*							50
55	79.7	266.0	49,300*							55
60	78.6	264.9	48,800*	80.1	263.7	45,200*				60
65	77.5	263.8	48,200*	79.0	262.6	44,900*	80.5	259.9	39,900*	65
70	76.4	262.5	47,700*	77.9	261.3	44,500*	79.4	258.7	38,900*	70
75	75.2	261.2	47,100*	76.7	260.0	44,200*	78.2	257.3	37,900*	75
80	74.1	259.7	46,600*	75.6	258.5	43,900*	77.1	255.8	37,000*	80
85	73.0	258.2	46,200*	74.4	256.9	43,600*	75.9	254.2	36,100*	85
90	71.8	256.5	45,700*	73.3	255.2	43,300*	74.7	252.5	35,300*	90
95	70.7	254.7	44,000	72.1	253.4	43,000*	73.6	250.7	34,500*	95
100	69.5	252.8	40,600	70.9	251.5	41,800	72.4	248.8	33,800*	100
105	68.3	250.8	37,600	69.8	249.5	38,700	71.2	246.7	33,100*	105
110	67.1	248.6	34,900	68.6	247.4	35,900	70.0	244.6	32,400*	110
115	65.9	246.4	32,400	67.4	245.1	33,300	68.8	242.3	31,800*	115
120	64.7	244.0	30,100	66.2	242.7	31,000	67.5	239.8	31,200*	120
125	63.5	241.5	28,000	64.9	240.1	28,900	66.3	237.2	29,700	125
130	62.3	238.8	26,200	63.7	237.5	26,900	65.0	234.5	27,700	130
135	61.0	236.0	24,400	62.4	234.6	25,100	63.8	231.7	25,900	135
140	59.8	233.1	22,800	61.2	231.7	23,500	62.5	228.7	24,200	140
145	58.5	230.0	21,300	59.9	228.6	22,000	61.2	225.5	22,600	145
150	57.2	226.7	19,900	58.6	225.3	20,500	59.8	222.2	21,100	150
155	55.9	223.3	18,600	57.2	221.8	19,200	58.5	218.7	19,800	155
160	54.5	219.7	17,400	55.9	218.2	18,000	57.1	215.0	18,500	160
165	53.1	215.9	16,300	54.5	214.4	16,800	55.7	211.2	17,300	165
170	51.8	211.9	15,200	53.1	210.4	15,700	54.3	207.1	16,200	170
175	50.3	207.8	14,200	51.7	206.2	14,700	52.8	202.8	15,100	175
180	48.9	203.4	13,300	50.2	201.8	13,700	51.4	198.3	14,100	180
185	47.4	198.8	12,400	48.7	197.1	12,800	49.8	193.6	13,200	185
190	45.9	193.9	11,500	47.2	192.2	11,900	48.3	188.6	12,300	190
195	44.3	188.7	10,700	45.6	187.0	11,100	46.7	183.3	11,400	195
200	42.7	183.3	10,000	44.0	181.5	10,300	45.0	177.7	10,600	200
205	41.1	177.6	9,300	42.3	175.7	9,600	43.3	171.7	9,800	205
210	39.3	171.4	8,600	40.6	169.5	8,900				210
215	37.5	164.9	7,900	38.8	162.9	8,200				215
220	35.7	158.0	7,300	36.9	155.9	7,600				220
225	33.7	150.5	6,700	34.9	148.3	6,900				225
230	31.7	142.4	6,100	32.8	140.1	6,300				230
235	29.4	133.7	5,600							235
240	27.1	124.0	4,900*							240
245	24.5	113.2	4,300*							245



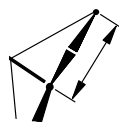
178,000 lb
+
70,500 lb



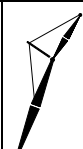
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.1	276.0	48,900*							55
60	79.0	275.0	48,400*	80.5	273.8	44,900*				60
65	77.9	273.9	47,900*	79.4	272.7	44,600*	80.9	270.0	40,200*	65
70	76.9	272.7	47,300*	78.3	271.5	44,300*	79.8	268.8	39,200*	70
75	75.8	271.4	46,800*	77.2	270.2	43,900*	78.7	267.5	38,300*	75
80	74.7	270.0	46,400*	76.1	268.8	43,600*	77.6	266.1	37,400*	80
85	73.6	268.5	45,900*	75.0	267.2	43,300*	76.4	264.6	36,500*	85
90	72.5	266.9	45,400*	73.9	265.6	43,100*	75.3	262.9	35,700*	90
95	71.4	265.2	44,200	72.8	263.9	42,800*	74.2	261.2	34,900*	95
100	70.3	263.4	40,800	71.7	262.1	41,900	73.1	259.3	34,200*	100
105	69.1	261.4	37,700	70.5	260.1	38,800	71.9	257.4	33,500*	105
110	68.0	259.4	35,000	69.4	258.1	36,000	70.8	255.3	32,900*	110
115	66.9	257.2	32,500	68.3	255.9	33,400	69.6	253.1	32,200*	115
120	65.7	254.9	30,200	67.1	253.6	31,100	68.4	250.7	31,600*	120
125	64.5	252.5	28,200	65.9	251.2	29,000	67.2	248.3	29,800	125
130	63.4	250.0	26,300	64.7	248.6	27,100	66.0	245.7	27,800	130
135	62.2	247.3	24,500	63.5	245.9	25,300	64.8	243.0	26,000	135
140	61.0	244.5	22,900	62.3	243.1	23,600	63.6	240.1	24,300	140
145	59.7	241.5	21,400	61.1	240.1	22,100	62.4	237.1	22,700	145
150	58.5	238.4	20,000	59.9	237.0	20,700	61.1	234.0	21,300	150
155	57.3	235.2	18,700	58.6	233.8	19,300	59.8	230.7	19,900	155
160	56.0	231.8	17,500	57.3	230.3	18,100	58.5	227.2	18,600	160
165	54.7	228.2	16,400	56.0	226.7	16,900	57.2	223.6	17,400	165
170	53.4	224.5	15,300	54.7	223.0	15,800	55.9	219.7	16,300	170
175	52.1	220.6	14,300	53.4	219.0	14,800	54.5	215.7	15,200	175
180	50.7	216.4	13,400	52.0	214.9	13,800	53.1	211.5	14,300	180
185	49.3	212.1	12,500	50.6	210.5	12,900	51.7	207.1	13,300	185
190	47.9	207.6	11,700	49.2	205.9	12,100	50.2	202.4	12,400	190
195	46.4	202.8	10,900	47.7	201.1	11,200	48.7	197.5	11,600	195
200	44.9	197.8	10,100	46.2	196.0	10,500	47.2	192.3	10,800	200
205	43.4	192.4	9,400	44.6	190.7	9,700	45.6	186.8	10,000	205
210	41.8	186.8	8,700	43.0	185.0	9,000	44.0	181.1	9,300	210
215	40.2	180.9	8,100	41.4	179.0	8,400				215
220	38.5	174.6	7,400	39.7	172.7	7,700				220
225	36.8	167.9	6,800	37.9	165.9	7,100				225
230	34.9	160.8	6,300	36.1	158.7	6,500				230
235	33.0	153.1	5,700	34.1	150.9	5,900				235
240	31.0	144.8	5,100*	32.0	142.4	5,400*				240
245	28.8	135.8	4,500*							245

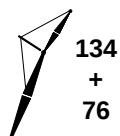


242.8 ft

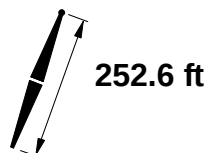


40.0 ft

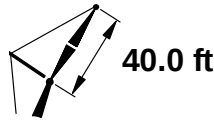
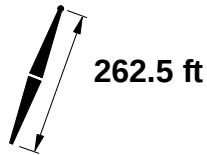
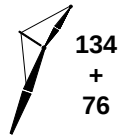
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	ft	lb	ft
55	80.4		286.0	48,500*						55
60	79.4		285.0	47,900*	80.8	283.8	44,600*			60
65	78.4		284.0	47,400*	79.8	282.7	44,300*			65
70	77.3		282.8	47,000*	78.7	281.6	43,900*	80.1	278.9	70
75	76.3		281.6	46,500*	77.7	280.3	43,600*	79.1	277.7	75
80	75.2		280.2	46,000*	76.6	279.0	43,300*	78.0	276.3	80
85	74.2		278.8	45,600*	75.6	277.5	43,100*	76.9	274.8	85
90	73.1		277.2	45,100*	74.5	276.0	42,800*	75.9	273.3	90
95	72.1		275.6	43,800	73.4	274.3	42,500*	74.8	271.6	95
100	71.0		273.8	40,400	72.3	272.6	41,600	73.7	269.8	100
105	69.9		272.0	37,400	71.3	270.7	38,500	72.6	267.9	105
110	68.8		270.0	34,600	70.2	268.7	35,700	71.5	265.9	110
115	67.7		267.9	32,200	69.1	266.6	33,100	70.4	263.8	115
120	66.6		265.7	29,900	68.0	264.4	30,800	69.2	261.6	120
125	65.5		263.4	27,800	66.8	262.1	28,700	68.1	259.2	125
130	64.4		261.0	25,900	65.7	259.7	26,700	67.0	256.8	130
135	63.2		258.5	24,200	64.6	257.1	25,000	65.8	254.2	135
140	62.1		255.8	22,600	63.4	254.4	23,300	64.6	251.4	140
145	60.9		253.0	21,100	62.2	251.6	21,800	63.5	248.6	145
150	59.7		250.0	19,700	61.0	248.6	20,300	62.3	245.6	150
155	58.5		246.9	18,400	59.8	245.5	19,000	61.0	242.4	155
160	57.3		243.7	17,200	58.6	242.3	17,800	59.8	239.1	160
165	56.1		240.3	16,000	57.4	238.8	16,600	58.6	235.7	165
170	54.9		236.8	15,000	56.1	235.3	15,500	57.3	232.1	170
175	53.6		233.0	14,000	54.9	231.5	14,500	56.0	228.3	175
180	52.3		229.2	13,000	53.6	227.6	13,500	54.7	224.3	180
185	51.0		225.1	12,100	52.3	223.5	12,600	53.4	220.1	185
190	49.7		220.8	11,300	50.9	219.2	11,700	52.0	215.8	190
195	48.3		216.3	10,500	49.6	214.7	10,900	50.6	211.2	195
200	46.9		211.6	9,800	48.2	210.0	10,100	49.2	206.4	200
205	45.5		206.7	9,000	46.7	205.0	9,400	47.7	201.3	205
210	44.1		201.5	8,400	45.2	199.8	8,700	46.2	196.0	210
215	42.6		196.1	7,700	43.7	194.3	8,000	44.7	190.3	215
220	41.0		190.3	7,100	42.2	188.4	7,400	43.1	184.4	220
225	39.4		184.2	6,500	40.6	182.3	6,800			225
230	37.7		177.7	5,900	38.9	175.7	6,200			230
235	36.0		170.9	5,300*	37.1	168.8	5,600			235
240	34.2		163.5	4,600*	35.3	161.3	4,900*			240
245	32.3		155.7	4,000*	33.4	153.4	4,300*			245

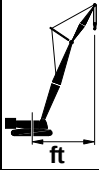
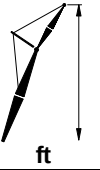
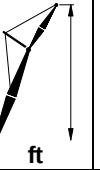
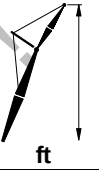


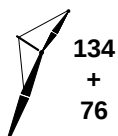
178,000 lb
+
70,500 lb



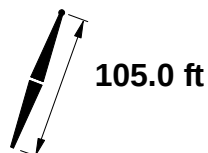
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.8	296.0	47,900*							55
60	79.8	295.1	47,400*							60
65	78.8	294.1	47,000*	80.1	292.8	43,900*				65
70	77.8	292.9	46,500*	79.1	291.7	43,600*	80.5	289.0	39,900*	70
75	76.8	291.7	46,000*	78.1	290.5	43,300*	79.5	287.8	39,000*	75
80	75.8	290.4	45,600*	77.1	289.2	43,000*	78.4	286.5	38,100*	80
85	74.7	289.0	45,200*	76.1	287.8	42,700*	77.4	285.1	37,200*	85
90	73.7	287.6	44,800*	75.0	286.3	42,400*	76.4	283.6	36,500*	90
95	72.7	286.0	43,500	74.0	284.7	42,200*	75.3	282.0	35,700*	95
100	71.7	284.3	40,100	73.0	283.0	41,300	74.3	280.3	35,000*	100
105	70.6	282.5	37,000	71.9	281.2	38,100	73.2	278.4	34,300*	105
110	69.6	280.6	34,300	70.9	279.3	35,300	72.2	276.5	33,700*	110
115	68.5	278.6	31,800	69.8	277.3	32,800	71.1	274.5	33,000*	115
120	67.4	276.5	29,500	68.7	275.2	30,500	70.0	272.4	31,400	120
125	66.4	274.3	27,400	67.7	273.0	28,300	68.9	270.1	29,200	125
130	65.3	272.0	25,500	66.6	270.6	26,400	67.8	267.7	27,200	130
135	64.2	269.5	23,800	65.5	268.2	24,600	66.7	265.2	25,400	135
140	63.1	266.9	22,200	64.4	265.6	22,900	65.6	262.6	23,700	140
145	62.0	264.3	20,700	63.3	262.9	21,400	64.5	259.9	22,100	145
150	60.9	261.4	19,300	62.1	260.0	20,000	63.3	257.0	20,600	150
155	59.7	258.5	18,000	61.0	257.1	18,600	62.2	254.0	19,300	155
160	58.6	255.4	16,800	59.8	254.0	17,400	61.0	250.9	18,000	160
165	57.4	252.2	15,600	58.7	250.7	16,200	59.8	247.6	16,800	165
170	56.2	248.8	14,600	57.5	247.3	15,100	58.6	244.2	15,700	170
175	55.0	245.3	13,600	56.3	243.8	14,100	57.4	240.6	14,600	175
180	53.8	241.6	12,600	55.0	240.1	13,100	56.1	236.8	13,600	180
185	52.6	237.8	11,700	53.8	236.2	12,200	54.9	232.9	12,700	185
190	51.3	233.7	10,900	52.5	232.2	11,400	53.6	228.8	11,800	190
195	50.0	229.5	10,100	51.2	227.9	10,500	52.3	224.5	10,900	195
200	48.7	225.1	9,300	49.9	223.5	9,800	50.9	219.9	10,100	200
205	47.4	220.5	8,600	48.6	218.8	9,000	49.6	215.2	9,400	205
210	46.0	215.6	7,900	47.2	213.9	8,300	48.2	210.2	8,600	210
215	44.6	210.6	7,300	45.8	208.8	7,600	46.7	205.0	7,900	215
220	43.2	205.2	6,700	44.4	203.4	7,000	45.3	199.5	7,300	220
225	41.7	199.6	6,100	42.9	197.7	6,400	43.7	193.7	6,600	225
230	40.2	193.7	5,400*	41.3	191.8	5,800				230
235	38.6	187.4	4,800*	39.7	185.4	5,100*				235
240	37.0	180.8	4,100*	38.1	178.7	4,400*				240



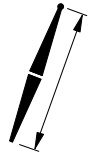
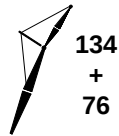
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
60	80.1		305.1	46,900*	80.5	302.9	43,400*	80.8	299.1	40,200*
65	79.1		304.1	46,400*	79.5	301.8	43,100*	79.8	297.9	39,300*
70	78.2		303.0	46,000*	78.5	300.6	42,800*	78.8	296.7	38,400*
75	77.2		301.9	45,500*	77.5	299.4	42,600*			
80	76.2		300.6	45,100*						
85	75.2		299.3	44,700*	76.5	298.0	42,300*	77.8	295.3	37,600*
90	74.3		297.8	44,300*	75.5	296.6	42,000*	76.8	293.8	36,800*
95	73.3		296.3	43,000	74.6	295.0	41,800*	75.8	292.3	36,100*
100	72.3		294.7	39,600	73.6	293.4	40,900	74.8	290.6	35,400*
105	71.3		293.0	36,600	72.5	291.7	37,800	73.8	288.9	34,700*
110	70.3		291.1	33,800	71.5	289.8	34,900	72.8	287.0	34,000*
115	69.2		289.2	31,300	70.5	287.9	32,400	71.7	285.1	33,400
120	68.2		287.2	29,100	69.5	285.9	30,000	70.7	283.0	31,000
125	67.2		285.1	27,000	68.4	283.7	27,900	69.7	280.9	28,800
130	66.2		282.8	25,100	67.4	281.5	26,000	68.6	278.6	26,800
135	65.1		280.5	23,300	66.4	279.1	24,200	67.5	276.2	25,000
140	64.1		278.0	21,700	65.3	276.6	22,500	66.5	273.7	23,300
145	63.0		275.4	20,200	64.2	274.1	21,000	65.4	271.1	21,700
150	61.9		272.7	18,800	63.1	271.3	19,500	64.3	268.4	20,200
155	60.8		269.9	17,500	62.0	268.5	18,200	63.2	265.5	18,800
160	59.7		267.0	16,300	60.9	265.5	17,000	62.1	262.5	17,600
165	58.6		263.9	15,200	59.8	262.5	15,800	60.9	259.4	16,400
170	57.5		260.7	14,100	58.7	259.2	14,700	59.8	256.1	15,200
175	56.3		257.3	13,100	57.5	255.8	13,700	58.6	252.7	14,200
180	55.2		253.8	12,200	56.4	252.3	12,700	57.4	249.1	13,200
185	54.0		250.2	11,300	55.2	248.6	11,800	56.3	245.4	12,200
190	52.8		246.3	10,400	54.0	244.8	10,900	55.0	241.5	11,300
195	51.6		242.4	9,600	52.8	240.8	10,100	53.8	237.4	10,500
200	50.4		238.2	8,900	51.5	236.6	9,300	52.5	233.1	9,700
205	49.1		233.8	8,200	50.3	232.2	8,600	51.3	228.7	8,900
210	47.8		229.3	7,500	49.0	227.6	7,900	49.9	224.0	8,200
215	46.5		224.5	6,800	47.7	222.8	7,200	48.6	219.2	7,500
220	45.2		219.5	6,200	46.3	217.8	6,600	47.2	214.0	6,800
225	43.8		214.3	5,500*	44.9	212.5	5,900	45.8	208.7	6,200
230	42.4		208.8	4,800*	43.5	207.0	5,200*	44.4	203.0	5,600*
235	41.0		203.0	4,100*	42.0	201.2	4,500*	42.9	197.1	4,800*



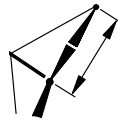
178,000 lb
+
70,500 lb



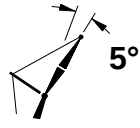
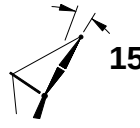
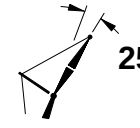
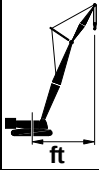
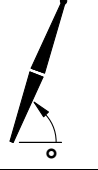
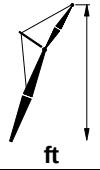
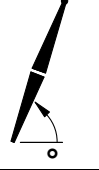
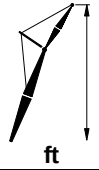
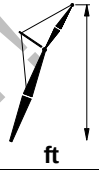
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
35	80.3	159.7	45,300*							35
40	78.4	158.6	44,200*							40
45	76.5	157.3	43,100*	79.7	156.1	39,800*				45
50	74.6	155.9	42,100*	77.8	154.6	39,000*				50
55	72.6	154.2	41,100*	75.8	153.0	38,100*	79.1	150.3	31,800*	55
60	70.6	152.4	40,200*	73.8	151.1	37,300*	77.0	148.4	30,300*	60
65	68.6	150.3	39,300*	71.8	149.1	36,500*	75.0	146.3	28,900*	65
70	66.6	148.1	38,500*	69.8	146.8	35,800*	72.9	144.0	27,700*	70
75	64.6	145.6	37,500*	67.7	144.3	35,100*	70.8	141.4	26,600*	75
80	62.5	142.9	36,700*	65.5	141.6	34,000*	68.6	138.7	25,500*	80
85	60.3	140.0	35,800*	63.4	138.6	32,400*	66.4	135.6	24,600*	85
90	58.1	136.8	35,100*	61.2	135.4	30,900*	64.1	132.3	23,800*	90
95	55.9	133.3	34,400*	58.9	131.9	29,600*	61.8	128.7	23,000*	95
100	53.5	129.5	33,700*	56.5	128.0	28,400*	59.4	124.8	22,300*	100
105	51.1	125.4	33,100*	54.1	123.9	27,300*	56.9	120.5	21,600*	105
110	48.7	120.9	32,000*	51.6	119.3	26,300*	54.3	115.8	21,000*	110
115	46.1	116.0	30,500*	48.9	114.3	25,400*	51.5	110.6	20,500*	115
120	43.3	110.6	29,200*	46.2	108.8	24,500*	48.7	104.9	20,000*	120
125	40.5	104.7	28,000*	43.3	102.8	23,800*	45.6	98.6	19,500*	125
130	37.4	98.0	26,900*	40.1	96.0	23,100*				130
135	34.1	90.6	25,900*	36.7	88.4	22,400*				135
140	30.4	82.1	25,000*	33.0	79.6	21,800*				140
145	26.3	72.1	24,200*							145
150	21.3	59.7	23,400*							150

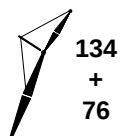


114.8 ft



50.0 ft

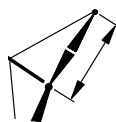
	 5°			 15°			 25°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
35	80.9	169.8	45,500*							35
40	79.1	168.7	44,400*							40
45	77.3	167.5	43,400*	80.3	166.3	39,900*				45
50	75.5	166.1	42,400*	78.5	164.9	39,200*				50
55	73.7	164.6	41,500*	76.7	163.3	38,400*	79.8	160.6	32,400*	55
60	71.9	162.9	40,600*	74.8	161.6	37,600*	77.9	158.8	30,900*	60
65	70.0	161.0	39,800*	73.0	159.7	36,900*	76.0	156.9	29,500*	65
70	68.1	158.9	39,000*	71.1	157.6	36,200*	74.0	154.7	28,300*	70
75	66.2	156.6	38,200*	69.1	155.3	35,500*	72.1	152.4	27,200*	75
80	64.3	154.1	37,300*	67.2	152.8	34,900*	70.1	149.8	26,200*	80
85	62.3	151.4	36,500*	65.2	150.0	33,700*	68.0	147.0	25,300*	85
90	60.3	148.5	35,700*	63.1	147.1	32,200*	65.9	144.0	24,400*	90
95	58.2	145.3	35,000*	61.1	143.8	30,800*	63.8	140.7	23,600*	95
100	56.1	141.8	34,400*	58.9	140.3	29,600*	61.6	137.1	22,900*	100
105	53.9	138.1	33,700*	56.7	136.6	28,500*	59.4	133.2	22,300*	105
110	51.7	134.1	33,100*	54.5	132.5	27,500*	57.0	129.0	21,700*	110
115	49.4	129.7	32,400*	52.1	128.0	26,500*	54.6	124.5	21,100*	115
120	47.0	124.9	31,000*	49.7	123.2	25,600*	52.1	119.5	20,600*	120
125	44.5	119.7	29,800*	47.1	118.0	24,800*	49.5	114.0	20,100*	125
130	41.8	114.1	28,600*	44.5	112.2	24,100*	46.7	108.0	19,700*	130
135	39.0	107.8	27,500*	41.6	105.8	23,400*	43.7	101.4	19,300*	135
140	36.1	100.9	26,500*	38.6	98.8	22,800*				140
145	32.9	93.1	25,600*	35.3	90.8	22,200*				145
150	29.3	84.2	24,700	31.6	81.6	21,700*				150
155	25.3	73.8	23,400							155



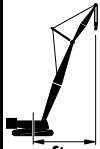
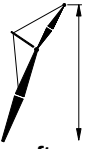
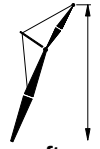
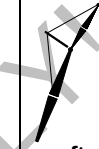
178,000 lb
+
70,500 lb

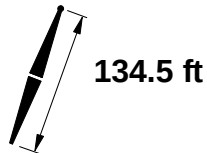
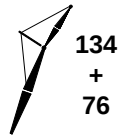


124.7 ft

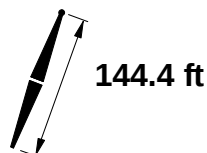
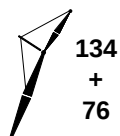


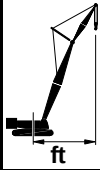
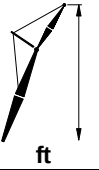
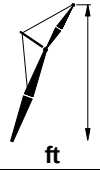
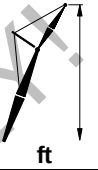
50.0 ft

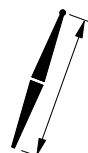
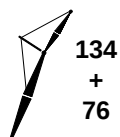
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40	79.7	178.8	44,600*							40
45	78.1	177.7	43,600*							45
50	76.4	176.4	42,700*							50
55	74.6	174.9	41,800*							55
60	72.9	173.3	40,900*							60
65	71.2	171.5	40,100*							65
70	69.4	169.6	39,400*							70
75	67.6	167.4	38,700*							75
80	65.8	165.1	37,900*							80
85	64.0	162.6	37,100*							85
90	62.1	159.9	36,400*							90
95	60.2	156.9	35,600*							95
100	58.3	153.8	35,000*							100
105	56.3	150.3	34,400*							105
110	54.2	146.7	33,800*							110
115	52.1	142.7	33,200*							115
120	50.0	138.4	32,700*							120
125	47.7	133.8	31,500*							125
130	45.4	128.8	30,200*							130
135	43.0	123.3	28,900							135
140	40.5	117.4	27,300							140
145	37.8	110.9	25,800							145
150	34.9	103.6	24,400							150
155	31.7	95.5	23,100							155
160	28.3	86.3	21,900							160
165	24.4	75.4	20,700							165



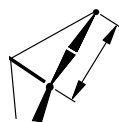
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
40	80.3	188.8	44,600*							40
45	78.7	187.8	43,700*							45
50	77.1	186.5	42,800*	79.8	185.2	39,400*				50
55	75.5	185.2	42,000*	78.2	183.9	38,800*	80.9	181.0	33,400*	55
60	73.9	183.7	41,200*	76.5	182.3	38,100*	79.3	179.5	32,000*	60
65	72.2	182.0	40,400*	74.9	180.7	37,500*	77.6	177.8	30,700*	65
70	70.6	180.2	39,700*	73.2	178.8	36,800*	75.9	175.9	29,500*	70
75	68.9	178.2	39,000*	71.5	176.8	36,200*	74.2	173.8	28,400*	75
80	67.2	176.0	38,300*	69.8	174.6	35,600*	72.4	171.6	27,400*	80
85	65.5	173.6	37,600*	68.1	172.2	35,100*	70.7	169.2	26,500*	85
90	63.7	171.1	36,900*	66.3	169.7	34,600*	68.9	166.6	25,700*	90
95	62.0	168.4	36,200*	64.6	166.9	33,200*	67.1	163.8	24,900*	95
100	60.2	165.4	35,500*	62.7	163.9	31,900*	65.2	160.7	24,100*	100
105	58.3	162.3	34,900*	60.9	160.8	30,700*	63.3	157.5	23,500*	105
110	56.5	158.9	34,300*	59.0	157.3	29,600*	61.4	154.0	22,800*	110
115	54.5	155.2	33,800*	57.0	153.6	28,600*	59.4	150.2	22,300*	115
120	52.6	151.3	33,200*	55.0	149.7	27,700*	57.3	146.1	21,700*	120
125	50.5	147.1	32,200	53.0	145.5	26,800*	55.2	141.8	21,200*	125
130	48.4	142.6	30,300	50.9	140.9	26,000*	53.1	137.1	20,800*	130
135	46.3	137.7	28,500	48.7	136.0	25,300*	50.8	132.0	20,300*	135
140	44.0	132.5	26,900	46.4	130.6	24,600*	48.4	126.5	19,900*	140
145	41.7	126.8	25,400	44.0	124.8	24,000*	46.0	120.5	19,600*	145
150	39.2	120.6	24,100	41.5	118.5	23,400*	43.3	114.0	19,300*	150
155	36.6	113.8	22,800	38.8	111.6	22,800*				155
160	33.8	106.3	21,500	35.9	103.9	21,800				160
165	30.7	97.9	20,400	32.8	95.3	20,700				165
170	27.4	88.3	19,300							170
175	23.5	77.0	18,300							175



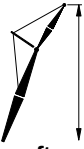
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40	80.8	198.8	44,700*							40
45	79.3	197.8	43,800*							45
50	77.8	196.7	43,000*	80.3	195.4	39,500*				50
55	76.2	195.4	42,200*	78.8	194.1	38,900*				55
60	74.7	194.0	41,400*	77.3	192.6	38,400*	79.9	189.7	32,400*	60
65	73.2	192.4	40,700*	75.7	191.0	37,700*	78.3	188.1	31,200*	65
70	71.6	190.7	40,000*	74.1	189.3	37,100*	76.7	186.3	30,000*	70
75	70.0	188.8	39,300*	72.5	187.4	36,500*	75.1	184.4	29,000*	75
80	68.4	186.7	38,700*	70.9	185.3	35,900*	73.4	182.3	28,000*	80
85	66.8	184.5	38,000*	69.3	183.1	35,400*	71.8	180.0	27,100*	85
90	65.2	182.1	37,400*	67.7	180.7	34,900*	70.1	177.6	26,200*	90
95	63.5	179.6	36,700*	66.0	178.1	34,300*	68.4	175.0	25,400*	95
100	61.8	176.8	36,100*	64.3	175.4	33,000*	66.7	172.1	24,700*	100
105	60.1	173.9	35,400*	62.6	172.4	31,800*	64.9	169.1	24,000*	105
110	58.4	170.7	34,800*	60.8	169.2	30,700*	63.1	165.9	23,400*	110
115	56.6	167.4	34,300*	59.0	165.8	29,700*	61.3	162.4	22,800*	115
120	54.8	163.8	33,800	57.2	162.2	28,700*	59.4	158.7	22,300*	120
125	52.9	159.9	31,700	55.3	158.3	27,800*	57.5	154.7	21,800*	125
130	51.0	155.8	29,800	53.4	154.1	27,000*	55.5	150.4	21,300*	130
135	49.1	151.4	28,100	51.4	149.6	26,200*	53.4	145.8	20,800*	135
140	47.0	146.7	26,500	49.3	144.9	25,500*	51.3	140.9	20,400*	140
145	44.9	141.6	25,000	47.2	139.7	24,800*	49.1	135.6	20,000*	145
150	42.7	136.1	23,600	45.0	134.1	24,000	46.8	129.8	19,700*	150
155	40.4	130.1	22,300	42.6	128.1	22,700	44.4	123.6	19,400*	155
160	38.0	123.7	21,100	40.2	121.5	21,400				160
165	35.5	116.6	19,900	37.6	114.3	20,300				165
170	32.7	108.8	18,800	34.8	106.3	19,100				170
175	29.8	100.1	17,800	31.7	97.4	18,100				175
180	26.5	90.1	16,900							180
185	22.7	78.4	16,000							185

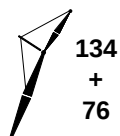


154.2 ft

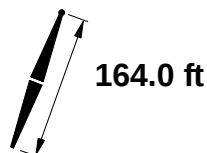


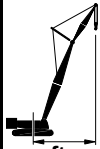
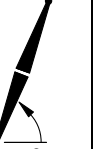
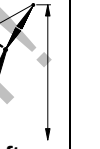
50.0 ft

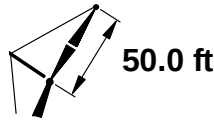
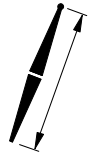
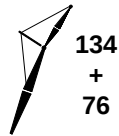
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	79.8	207.9	43,800*							45
50	78.4	206.8	43,000*	80.8	205.5	39,500*				50
55	76.9	205.6	42,300*	79.4	204.2	39,000*				55
60	75.5	204.2	41,500*	77.9	202.9	38,500*	80.4	199.9	32,900*	60
65	74.0	202.7	40,800*	76.4	201.4	37,900*	78.9	198.4	31,600*	65
70	72.5	201.1	40,200*	74.9	199.7	37,300*	77.4	196.7	30,500*	70
75	71.0	199.3	39,500*	73.4	197.9	36,700*	75.8	194.9	29,500*	75
80	69.5	197.4	38,900*	71.9	196.0	36,200*	74.3	192.9	28,500*	80
85	68.0	195.3	38,300*	70.4	193.9	35,700*	72.7	190.8	27,600*	85
90	66.5	193.0	37,700*	68.8	191.6	35,200*	71.2	188.5	26,700*	90
95	64.9	190.6	37,100*	67.3	189.2	34,700*	69.6	186.0	26,000*	95
100	63.3	188.1	36,500*	65.7	186.6	34,100*	67.9	183.4	25,200*	100
105	61.7	185.3	35,900*	64.1	183.8	32,800*	66.3	180.5	24,600*	105
110	60.1	182.4	35,300*	62.4	180.8	31,700*	64.6	177.5	23,900*	110
115	58.4	179.2	34,700*	60.7	177.7	30,700*	62.9	174.3	23,300*	115
120	56.8	175.9	33,400	59.0	174.3	29,700*	61.2	170.8	22,800*	120
125	55.0	172.3	31,300	57.3	170.7	28,800*	59.4	167.2	22,300*	125
130	53.3	168.5	29,400	55.5	166.9	27,900*	57.6	163.2	21,800*	130
135	51.5	164.5	27,700	53.7	162.8	27,100*	55.7	159.0	21,300*	135
140	49.6	160.1	26,100	51.8	158.4	26,400*	53.8	154.5	20,900*	140
145	47.7	155.5	24,600	49.9	153.7	25,100	51.8	149.7	20,500*	145
150	45.7	150.6	23,200	47.9	148.7	23,700	49.7	144.6	20,100*	150
155	43.7	145.3	21,900	45.8	143.3	22,400	47.6	139.0	19,800*	155
160	41.5	139.5	20,700	43.6	137.5	21,100	45.4	133.0	19,500*	160
165	39.3	133.4	19,500	41.4	131.2	19,900	43.0	126.5	19,200*	165
170	37.0	126.7	18,500	39.0	124.4	18,800				170
175	34.5	119.4	17,500	36.4	117.0	17,800				175
180	31.8	111.3	16,500	33.7	108.7	16,800				180
185	28.9	102.2	15,600							185
190	25.7	91.9	14,700							190
195	22.0	79.8	13,900							195

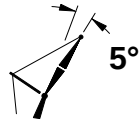
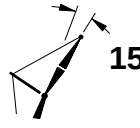
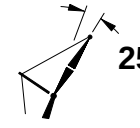


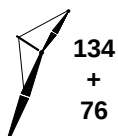
178,000 lb
+
70,500 lb



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
45		80.3	217.9	43,800*						45
50		78.9	216.9	43,000*						50
55		77.5	215.7	42,300*	79.9	214.4	38,900*			55
60		76.2	214.4	41,600*	78.5	213.1	38,500*	80.8	210.1	33,300*
65		74.8	213.0	40,900*	77.1	211.6	38,000*	79.4	208.6	32,100*
70		73.4	211.5	40,300*	75.7	210.1	37,400*	78.0	207.1	31,000*
75		71.9	209.8	39,700*	74.2	208.4	36,900*	76.5	205.3	29,900*
80		70.5	207.9	39,100*	72.8	206.5	36,400*	75.1	203.5	29,000*
85		69.1	206.0	38,500*	71.3	204.5	35,900*	73.6	201.4	28,100*
90		67.6	203.8	38,000*	69.9	202.4	35,400*	72.1	199.3	27,200*
95		66.2	201.6	37,500*	68.4	200.1	34,900*	70.6	196.9	26,500*
100		64.7	199.1	36,900*	66.9	197.7	34,500*	69.1	194.4	25,700*
105		63.2	196.5	36,300*	65.4	195.0	33,800*	67.5	191.8	25,100*
110		61.6	193.8	35,700*	63.8	192.3	32,700*	66.0	188.9	24,400*
115		60.1	190.8	35,200*	62.3	189.3	31,600*	64.4	185.9	23,800*
120		58.5	187.7	33,000	60.7	186.1	30,600*	62.7	182.7	23,300*
125		56.9	184.4	31,000	59.1	182.8	29,700*	61.1	179.3	22,800*
130		55.2	180.8	29,100	57.4	179.2	28,800*	59.4	175.6	22,300*
135		53.6	177.1	27,400	55.7	175.4	28,000*	57.7	171.8	21,800*
140		51.9	173.1	25,700	54.0	171.4	26,400	55.9	167.6	21,400*
145		50.1	168.8	24,300	52.2	167.1	24,800	54.1	163.2	21,000*
150		48.3	164.3	22,900	50.4	162.5	23,400	52.2	158.5	20,600*
155		46.4	159.5	21,600	48.5	157.6	22,100	50.3	153.5	20,200*
160		44.5	154.3	20,400	46.5	152.4	20,800	48.3	148.2	19,900*
165		42.5	148.8	19,200	44.5	146.8	19,700	46.2	142.4	19,600*
170		40.4	142.9	18,200	42.4	140.8	18,600	44.0	136.2	18,900
175		38.3	136.5	17,200	40.2	134.3	17,500			175
180		36.0	129.6	16,200	37.9	127.2	16,500			180
185		33.5	122.0	15,300	35.4	119.5	15,600			185
190		30.9	113.6	14,500	32.7	110.9	14,700			190
195		28.1	104.3	13,600						195
200		24.9	93.7	12,900						200
205		21.3	81.2	12,100						205



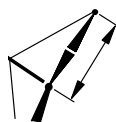
	 5°			 15°			 25°			
	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
45	80.7	227.9	43,700*							45
50	79.4	227.0	43,000*							50
55	78.1	225.8	42,300*	80.3	224.5	38,900*				55
60	76.8	224.6	41,600*	79.0	223.2	38,500*				60
65	75.5	223.3	41,000*	77.7	221.9	38,000*	79.9	218.8	32,500*	65
70	74.1	221.8	40,400*	76.3	220.4	37,600*	78.5	217.3	31,400*	70
75	72.8	220.2	39,800*	75.0	218.8	37,000*	77.2	215.7	30,400*	75
80	71.4	218.4	39,200*	73.6	217.0	36,500*	75.8	213.9	29,400*	80
85	70.1	216.6	38,700*	72.2	215.1	36,000*	74.4	212.0	28,500*	85
90	68.7	214.5	38,200*	70.8	213.1	35,600*	73.0	209.9	27,700*	90
95	67.3	212.4	37,700*	69.4	210.9	35,100*	71.6	207.7	26,900*	95
100	65.9	210.1	37,200*	68.0	208.6	34,700*	70.1	205.4	26,200*	100
105	64.4	207.6	36,600*	66.6	206.1	34,300*	68.6	202.9	25,600*	105
110	63.0	205.0	36,100*	65.1	203.5	33,600*	67.2	200.2	24,900*	110
115	61.5	202.3	34,900	63.6	200.7	32,500*	65.7	197.4	24,300*	115
120	60.0	199.3	32,700	62.1	197.8	31,500*	64.1	194.3	23,800*	120
125	58.5	196.2	30,600	60.6	194.6	30,600*	62.6	191.1	23,200*	125
130	57.0	192.9	28,700	59.1	191.3	29,500	61.0	187.7	22,700*	130
135	55.4	189.4	27,000	57.5	187.7	27,700	59.4	184.1	22,300*	135
140	53.8	185.7	25,400	55.9	184.0	26,000	57.8	180.3	21,800*	140
145	52.2	181.7	23,900	54.2	180.0	24,500	56.1	176.2	21,400*	145
150	50.5	177.5	22,500	52.5	175.8	23,100	54.4	171.9	21,000*	150
155	48.8	173.1	21,200	50.8	171.3	21,700	52.6	167.3	20,700*	155
160	47.1	168.4	20,000	49.0	166.5	20,500	50.8	162.4	20,300*	160
165	45.3	163.4	18,800	47.2	161.4	19,300	48.9	157.2	19,700	165
170	43.4	158.0	17,800	45.3	156.0	18,200	46.9	151.6	18,600	170
175	41.4	152.3	16,800	43.3	150.2	17,200	44.9	145.6	17,500	175
180	39.4	146.1	15,800	41.3	144.0	16,200	42.7	139.2	16,500	180
185	37.3	139.5	14,900	39.1	137.2	15,300				185
190	35.0	132.3	14,100	36.8	129.9	14,400				190
195	32.7	124.5	13,300	34.4	121.9	13,600				195
200	30.1	115.9	12,500	31.8	113.1	12,800				200
205	27.3	106.3	11,800							205
210	24.2	95.3	11,100							210



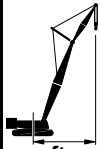
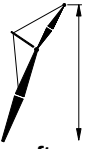
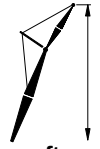
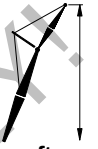
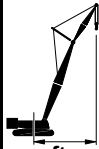
178,000 lb
+
70,500 lb

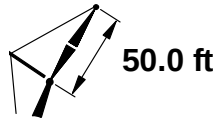
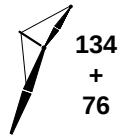


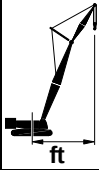
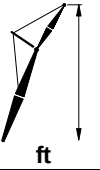
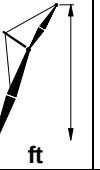
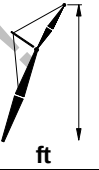
183.7 ft

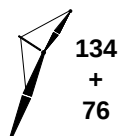


50.0 ft

	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	ft	lb	ft
50	79.9	237.0	42,900*							50
55	78.6	235.9	42,200*							55
60	77.4	234.8	41,600*							60
65	76.1	233.5	41,000*							65
70	74.8	232.1	40,400*							70
75	73.5	230.5	39,800*							75
80	72.2	228.9	39,300*							80
85	70.9	227.1	38,800*							85
90	69.6	225.2	38,300*							90
95	68.3	223.1	37,800*							95
100	67.0	220.9	37,300*							100
105	65.6	218.6	36,900*							105
110	64.2	216.1	36,400*							110
115	62.9	213.5	34,400							115
120	61.4	210.7	32,200							120
125	60.0	207.8	30,100							125
130	58.6	204.7	28,200							130
135	57.1	201.4	26,500							135
140	55.6	197.9	24,900							140
145	54.1	194.2	23,400							145
150	52.5	190.3	22,000							150
155	50.9	186.2	20,700							155
160	49.3	181.8	19,500							160
165	47.7	177.2	18,400							165
170	45.9	172.3	17,300							170
175	44.2	167.1	16,300							175
180	42.3	161.6	15,300							180
185	40.4	155.6	14,500							185
190	38.4	149.3	13,600							190
195	36.4	142.5	12,800							195
200	34.2	135.1	12,000							200
205	31.9	127.0	11,300							205
210	29.4	118.1	10,600							210
215	26.6	108.2	10,000							215
220	23.6	96.9	9,300							220



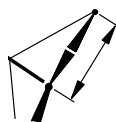
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50	80.3	247.0	42,700*							50
55	79.1	246.0	42,100*							55
60	77.9	244.9	41,500*							60
65	76.7	243.6	40,900*							65
70	75.4	242.3	40,400*							70
75	74.2	240.8	39,800*							75
80	73.0	239.2	39,300*							80
85	71.7	237.5	38,800*							85
90	70.5	235.7	38,300*							90
95	69.2	233.8	37,900*							95
100	67.9	231.7	37,400*							100
105	66.7	229.5	37,000*							105
110	65.4	227.1	36,500							110
115	64.0	224.6	34,000							115
120	62.7	222.0	31,800							120
125	61.4	219.2	29,700							125
130	60.0	216.3	27,800							130
135	58.6	213.2	26,100							135
140	57.2	209.9	24,500							140
145	55.8	206.4	23,000							145
150	54.3	202.8	21,600							150
155	52.8	198.9	20,300							155
160	51.3	194.9	19,100							160
165	49.8	190.6	18,000							165
170	48.2	186.0	16,900							170
175	46.5	181.2	15,900							175
180	44.9	176.2	14,900							180
185	43.1	170.8	14,100							185
190	41.3	165.0	13,200							190
195	39.5	158.9	12,400							195
200	37.5	152.3	11,700							200
205	35.5	145.3	10,900							205
210	33.4	137.7	10,200							210
215	31.1	129.4	9,600							215
220	28.6	120.2	8,900							220
225	26.0	110.0	8,300							225
230	23.0	98.4	7,800							230



178,000 lb
+
70,500 lb

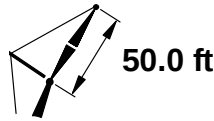
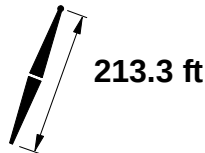
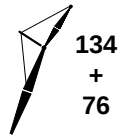


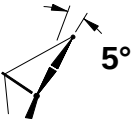
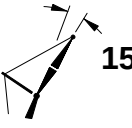
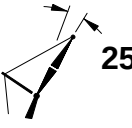
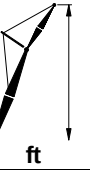
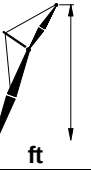
203.4 ft

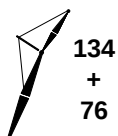


50.0 ft

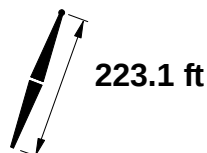
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.7	257.0	42,500*							50
55	79.5	256.1	41,900*							55
60	78.4	255.0	41,300*	80.3	253.6	38,200*				60
65	77.2	253.8	40,800*	79.1	252.4	37,800*				65
70	76.0	252.5	40,300*	78.0	251.1	37,400*	79.9	248.0	32,500*	70
75	74.8	251.1	39,800*	76.8	249.7	37,100*	78.8	246.5	31,500*	75
80	73.7	249.6	39,300*	75.6	248.1	36,800*	77.5	245.0	30,600*	80
85	72.5	248.0	38,800*	74.4	246.5	36,300*	76.3	243.3	29,800*	85
90	71.3	246.2	38,300*	73.2	244.7	35,900*	75.1	241.5	29,000*	90
95	70.1	244.3	37,900*	72.0	242.9	35,500*	73.9	239.6	28,200*	95
100	68.9	242.4	37,400*	70.8	240.9	35,100*	72.6	237.6	27,500*	100
105	67.6	240.2	37,000*	69.5	238.7	34,800*	71.4	235.5	26,900*	105
110	66.4	238.0	36,200	68.3	236.5	34,400*	70.1	233.2	26,200*	110
115	65.1	235.6	33,700	67.0	234.1	34,100*	68.8	230.8	25,600*	115
120	63.9	233.1	31,500	65.7	231.6	32,400	67.5	228.2	25,100*	120
125	62.6	230.5	29,400	64.5	228.9	30,300	66.2	225.5	24,500*	125
130	61.3	227.7	27,500	63.1	226.1	28,400	64.9	222.6	24,000*	130
135	60.0	224.7	25,700	61.8	223.1	26,600	63.6	219.6	23,600*	135
140	58.6	221.6	24,100	60.5	220.0	24,900	62.2	216.4	23,100*	140
145	57.3	218.4	22,600	59.1	216.7	23,400	60.8	213.1	22,700*	145
150	55.9	214.9	21,200	57.7	213.2	22,000	59.4	209.6	22,300*	150
155	54.5	211.3	20,000	56.3	209.6	20,600	58.0	205.8	21,200	155
160	53.1	207.5	18,700	54.9	205.8	19,400	56.5	201.9	20,000	160
165	51.7	203.5	17,600	53.4	201.7	18,200	55.0	197.8	18,700	165
170	50.2	199.3	16,500	51.9	197.4	17,100	53.5	193.4	17,600	170
175	48.7	194.8	15,500	50.4	192.9	16,100	51.9	188.8	16,500	175
180	47.1	190.1	14,600	48.8	188.2	15,100	50.3	184.0	15,500	180
185	45.5	185.1	13,700	47.2	183.2	14,200	48.7	178.8	14,600	185
190	43.9	179.9	12,900	45.6	177.8	13,300	47.0	173.4	13,700	190
195	42.2	174.3	12,100	43.8	172.2	12,500	45.2	167.6	12,800	195
200	40.4	168.4	11,300	42.1	166.2	11,700	43.4	161.4	12,000	200
205	38.6	162.1	10,600	40.2	159.8	10,900				205
210	36.7	155.3	9,900	38.3	152.9	10,200				210
215	34.7	148.1	9,200	36.3	145.6	9,500				215
220	32.6	140.2	8,600	34.1	137.6	8,900				220
225	30.4	131.7	8,000	31.8	128.8	8,300				225
230	28.0	122.3	7,400							230
235	25.3	111.8	6,900							235
240	22.4	99.9	6,300							240



	 5°			 15°			 25°			
	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
50	81.0	267.0	42,200*							50
55	79.9	266.1	41,700*							55
60	78.8	265.1	41,100*	80.7	263.6	38,000*				60
65	77.7	263.9	40,600*	79.6	262.5	37,600*				65
70	76.6	262.7	40,100*	78.4	261.2	37,300*	80.3	258.1	32,800*	70
75	75.4	261.3	39,600*	77.3	259.9	37,000*	79.2	256.7	31,900*	75
80	74.3	259.9	39,200*	76.2	258.4	36,700*	78.0	255.3	31,000*	80
85	73.2	258.3	38,700*	75.0	256.9	36,300*	76.9	253.7	30,200*	85
90	72.0	256.6	38,300*	73.9	255.2	35,900*	75.7	252.0	29,400*	90
95	70.9	254.9	37,800*	72.7	253.4	35,500*	74.5	250.1	28,600*	95
100	69.7	253.0	37,400*	71.5	251.5	35,200*	73.3	248.2	27,900*	100
105	68.5	250.9	37,000*	70.3	249.4	34,800*	72.1	246.1	27,300*	105
110	67.3	248.8	35,800	69.1	247.3	34,500*	70.9	244.0	26,600*	110
115	66.1	246.5	33,300	67.9	245.0	34,200*	69.7	241.7	26,000*	115
120	64.9	244.1	31,100	66.7	242.6	32,100	68.5	239.2	25,500*	120
125	63.7	241.6	29,000	65.5	240.1	30,000	67.2	236.6	24,900*	125
130	62.5	239.0	27,100	64.3	237.4	28,000	66.0	233.9	24,400*	130
135	61.2	236.2	25,300	63.0	234.6	26,200	64.7	231.1	24,000*	135
140	60.0	233.2	23,700	61.7	231.6	24,600	63.4	228.0	23,500*	140
145	58.7	230.1	22,200	60.4	228.5	23,000	62.1	224.9	23,100*	145
150	57.4	226.9	20,800	59.1	225.2	21,600	60.8	221.5	22,300	150
155	56.1	223.5	19,600	57.8	221.7	20,300	59.4	218.0	20,900	155
160	54.7	219.9	18,300	56.5	218.1	19,000	58.0	214.3	19,600	160
165	53.4	216.1	17,200	55.1	214.3	17,800	56.6	210.5	18,400	165
170	52.0	212.1	16,100	53.7	210.3	16,700	55.2	206.4	17,300	170
175	50.6	207.9	15,100	52.2	206.1	15,700	53.7	202.1	16,200	175
180	49.1	203.6	14,200	50.8	201.7	14,700	52.3	197.6	15,200	180
185	47.6	198.9	13,300	49.3	197.0	13,800	50.7	192.8	14,200	185
190	46.1	194.1	12,500	47.8	192.1	12,900	49.2	187.8	13,300	190
195	44.5	188.9	11,700	46.2	186.9	12,100	47.5	182.5	12,500	195
200	42.9	183.5	10,900	44.5	181.4	11,300	45.9	176.8	11,700	200
205	41.3	177.8	10,200	42.9	175.6	10,600	44.1	170.8	10,900	205
210	39.6	171.7	9,500	41.1	169.4	9,900				210
215	37.8	165.2	8,900	39.3	162.8	9,200				215
220	35.9	158.2	8,200	37.4	155.8	8,500				220
225	34.0	150.8	7,600	35.4	148.2	7,900				225
230	31.9	142.7	7,100	33.3	140.0	7,300				230
235	29.7	133.9	6,500							235
240	27.3	124.3	6,000							240
245	24.7	113.6	5,500							245
250	21.9	101.3	4,900*							250



178,000 lb
+
70,500 lb

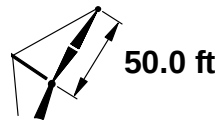
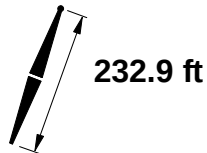
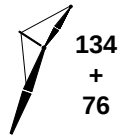


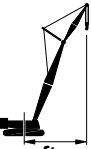
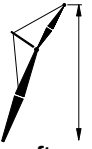
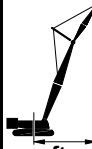
223.1 ft

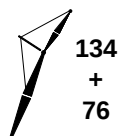


50.0 ft

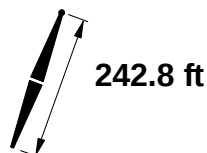
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.3	276.1	41,400*							55
60	79.2	275.1	40,900*	81.0	273.7	37,900*				60
65	78.1	274.0	40,400*	80.0	272.6	37,500*				65
70	77.1	272.8	39,900*	78.9	271.4	37,200*	80.7	268.2	33,200*	70
75	76.0	271.5	39,500*	77.8	270.1	36,900*	79.6	266.9	32,200*	75
80	74.9	270.1	39,000*	76.7	268.7	36,600*	78.5	265.5	31,300*	80
85	73.8	268.6	38,600*	75.6	267.2	36,300*	77.4	264.0	30,500*	85
90	72.7	267.0	38,100*	74.5	265.6	35,900*	76.3	262.3	29,700*	90
95	71.6	265.3	37,700*	73.4	263.8	35,500*	75.1	260.6	29,000*	95
100	70.5	263.5	37,300*	72.2	262.0	35,100*	74.0	258.7	28,300*	100
105	69.3	261.6	36,900*	71.1	260.0	34,800*	72.8	256.8	27,600*	105
110	68.2	259.5	35,200	70.0	258.0	34,500*	71.7	254.7	27,000*	110
115	67.1	257.3	32,800	68.8	255.8	33,900	70.5	252.5	26,400*	115
120	65.9	255.1	30,500	67.6	253.5	31,600	69.3	250.1	25,900*	120
125	64.7	252.6	28,400	66.5	251.1	29,500	68.2	247.7	25,300*	125
130	63.6	250.1	26,500	65.3	248.5	27,500	67.0	245.1	24,800*	130
135	62.4	247.4	24,800	64.1	245.8	25,700	65.7	242.4	24,300*	135
140	61.2	244.6	23,200	62.9	243.0	24,000	64.5	239.5	23,900*	140
145	59.9	241.7	21,700	61.6	240.1	22,500	63.3	236.5	23,300	145
150	58.7	238.6	20,300	60.4	236.9	21,100	62.0	233.3	21,800	150
155	57.5	235.4	19,000	59.1	233.7	19,700	60.7	230.0	20,400	155
160	56.2	232.0	17,800	57.9	230.2	18,500	59.4	226.5	19,100	160
165	54.9	228.4	16,600	56.6	226.7	17,300	58.1	222.9	17,900	165
170	53.6	224.7	15,600	55.2	222.9	16,200	56.7	219.0	16,800	170
175	52.3	220.7	14,600	53.9	218.9	15,200	55.4	215.0	15,700	175
180	50.9	216.6	13,600	52.5	214.8	14,200	54.0	210.8	14,700	180
185	49.5	212.3	12,700	51.1	210.4	13,300	52.6	206.3	13,700	185
190	48.1	207.7	11,900	49.7	205.8	12,400	51.1	201.6	12,800	190
195	46.6	203.0	11,100	48.2	201.0	11,600	49.6	196.7	12,000	195
200	45.2	197.9	10,300	46.7	195.9	10,800	48.1	191.5	11,200	200
205	43.6	192.6	9,600	45.2	190.6	10,000	46.5	186.0	10,400	205
210	42.0	187.1	8,900	43.6	184.9	9,300	44.8	180.2	9,600	210
215	40.4	181.1	8,300	41.9	178.9	8,600	43.1	174.0	8,900	215
220	38.7	174.9	7,600	40.2	172.5	8,000				220
225	37.0	168.2	7,000	38.5	165.8	7,400				225
230	35.2	161.0	6,500	36.6	158.5	6,800				230
235	33.2	153.4	5,900	34.6	150.7	6,200				235
240	31.2	145.1	5,400*	32.6	142.3	5,600				240
245	29.0	136.1	4,700*							245
250	26.7	126.2	4,100*							250

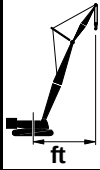
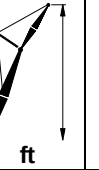
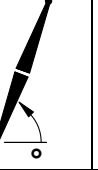
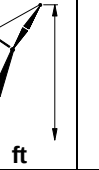
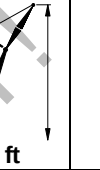


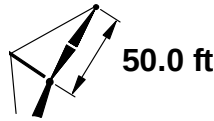
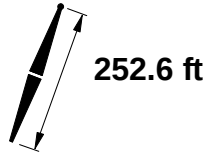
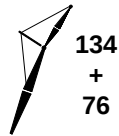
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
55	80.6	286.1	41,100*							55
60	79.6	285.2	40,700*							60
65	78.6	284.1	40,200*							65
70	77.5	283.0	39,700*							70
75	76.5	281.7	39,300*							75
80	75.4	280.4	38,800*	80.3	282.7	37,300*	80.0	277.1	32,500*	80
85	74.4	278.9	38,400*	79.3	281.5	37,000*	78.9	275.7	31,700*	85
90	73.3	277.4	38,000*	78.2	280.3	36,700*	77.8	274.2	30,800*	90
95	72.2	275.7	37,600*	77.2	278.9	36,400*	76.8	272.7	30,100*	95
100	71.2	274.0	37,200*	76.1	277.5	36,100*	75.7	271.0	29,300*	100
105	70.1	272.1	36,800*	75.0	275.9	35,900*	74.6	269.2	28,700*	105
110	69.0	270.2	36,400*	74.0	274.2	35,500*	73.5	267.3	28,000*	110
115	67.9	268.1	35,900*	72.9	272.5	35,200*	72.4	265.3	27,400*	115
120	66.8	265.9	35,500*	71.8	270.6	34,800*	71.3	263.2	26,800*	120
125	65.7	263.6	34,000*	70.7	268.6	34,500*	70.1	261.0	26,200*	125
130	64.6	261.2	33,600*	69.6	266.5	34,000*	69.0	258.6	25,700*	130
135	63.4	258.6	33,200*	68.5	264.3	33,600*	67.8	256.1	25,200*	135
140	62.3	255.9	32,800*	67.4	262.0	33,200*	66.7	253.5	24,700*	140
145	61.1	253.1	32,400*	66.2	259.6	32,800*	65.5	250.8	24,300*	145
150	59.9	250.2	32,000*	65.1	257.0	32,400*	64.3	247.9	23,900*	150
155	58.7	247.1	31,600*	64.0	254.4	32,000*	63.1	244.9	23,500*	155
160	57.5	243.9	31,200*	62.8	251.5	31,600*	61.9	241.8	23,100*	160
165	56.3	240.5	30,800*	61.6	248.5	31,200*	60.7	238.5	22,700*	165
170	55.1	236.9	30,400*	60.4	245.4	30,800*	59.4	235.0	22,300*	170
175	53.8	233.2	30,000*	59.2	242.2	30,400*	58.1	231.4	21,900*	175
180	52.5	229.3	29,600*	57.9	238.7	30,000*	56.9	227.6	21,500*	180
185	51.2	225.3	29,200*	56.7	235.2	29,600*	55.5	223.6	21,100*	185
190	49.9	221.0	28,800*	55.4	231.4	29,200*	54.2	219.4	20,700*	190
195	48.5	216.5	28,400*	54.1	227.5	28,800*	52.8	215.0	20,300*	195
200	47.1	211.8	28,000*	52.8	223.4	28,400*	51.4	210.4	19,900*	200
205	45.7	206.9	27,600*	51.5	219.1	28,000*	50.0	205.6	19,500*	205
210	44.3	201.7	27,200*	50.1	214.6	27,600*	48.5	200.5	19,100*	210
215	42.8	196.3	26,800*	48.7	209.9	27,200*	47.0	195.1	18,700*	215
220	41.2	190.5	26,400*	47.2	204.9	26,800*	45.5	189.5	18,300*	220
225	39.6	184.4	26,000*	45.8	199.7	26,400*	43.9	183.5	17,900*	225
230	38.0	178.0	25,600*	44.2	194.1	26,000*				230
235	36.2	171.1	25,200*	42.7	188.3	25,600*				235
240	34.4	163.8	24,800*	41.1	182.1	25,200*				240
245	32.6	155.9	24,400*	39.4	175.6	24,800*				245
250	30.6	147.5	24,000*	37.6	168.6	24,400*				250

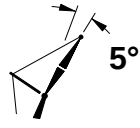
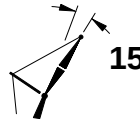
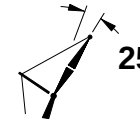


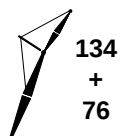
178,000 lb
+
70,500 lb



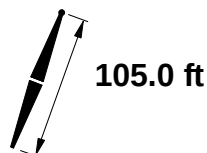
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.9	296.1	40,800*							55
60	79.9	295.2	40,300*							60
65	78.9	294.2	39,900*	80.6	292.7	37,100*				65
70	77.9	293.1	39,400*	79.6	291.6	36,800*				70
75	76.9	291.9	39,000*	78.6	290.4	36,500*	80.3	287.2	32,800*	75
80	75.9	290.6	38,600*	77.6	289.1	36,200*	79.3	285.9	32,000*	80
85	74.9	289.2	38,200*	76.6	287.7	35,900*	78.3	284.5	31,200*	85
90	73.9	287.7	37,800*	75.6	286.2	35,700*	77.2	283.0	30,400*	90
95	72.9	286.1	37,400*	74.5	284.6	35,400*	76.2	281.4	29,700*	95
100	71.8	284.4	37,000*	73.5	282.9	35,100*	75.1	279.6	29,000*	100
105	70.8	282.6	36,600*	72.4	281.1	34,800*	74.1	277.8	28,400*	105
110	69.7	280.7	35,000	71.4	279.2	34,400*	73.0	275.9	27,700*	110
115	68.7	278.7	32,500	70.3	277.2	33,700	71.9	273.9	27,100*	115
120	67.6	276.6	30,200	69.3	275.1	31,400	70.9	271.7	26,600*	120
125	66.6	274.4	28,200	68.2	272.9	29,200	69.8	269.5	26,100*	125
130	65.5	272.1	26,300	67.1	270.5	27,300	68.7	267.1	25,600*	130
135	64.4	269.7	24,500	66.0	268.1	25,500	67.6	264.6	25,100*	135
140	63.3	267.1	22,900	64.9	265.5	23,800	66.4	262.0	24,600*	140
145	62.2	264.4	21,400	63.8	262.8	22,300	65.3	259.2	23,100	145
150	61.0	261.6	20,000	62.6	259.9	20,800	64.2	256.4	21,600	150
155	59.9	258.6	18,700	61.5	257.0	19,500	63.0	253.4	20,200	155
160	58.8	255.6	17,500	60.3	253.9	18,200	61.8	250.2	18,900	160
165	57.6	252.3	16,400	59.2	250.6	17,100	60.6	246.9	17,700	165
170	56.4	249.0	15,300	58.0	247.2	16,000	59.4	243.5	16,600	170
175	55.2	245.5	14,300	56.8	243.7	14,900	58.2	239.9	15,500	175
180	54.0	241.8	13,300	55.5	240.0	14,000	56.9	236.1	14,500	180
185	52.8	237.9	12,400	54.3	236.1	13,000	55.7	232.1	13,600	185
190	51.5	233.9	11,600	53.0	232.1	12,200	54.4	228.0	12,700	190
195	50.2	229.7	10,800	51.7	227.8	11,300	53.1	223.7	11,800	195
200	48.9	225.3	10,000	50.4	223.4	10,600	51.7	219.2	11,000	200
205	47.6	220.7	9,300	49.1	218.7	9,800	50.4	214.4	10,200	205
210	46.2	215.8	8,600	47.7	213.8	9,100	49.0	209.4	9,500	210
215	44.8	210.7	8,000	46.3	208.7	8,400	47.5	204.2	8,800	215
220	43.4	205.4	7,400	44.9	203.3	7,800	46.0	198.7	8,100	220
225	41.9	199.8	6,800	43.4	197.6	7,200	44.5	192.8	7,500	225
230	40.4	193.9	6,200	41.8	191.6	6,600	42.9	186.7	6,800	230
235	38.8	187.6	5,700	40.2	185.3	6,000				235
240	37.2	181.0	5,000*	38.6	178.6	5,400*				240
245	35.5	174.0	4,400*	36.9	171.4	4,800*				245
250				35.1	163.8	4,100*				250



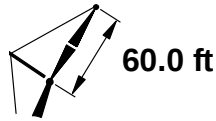
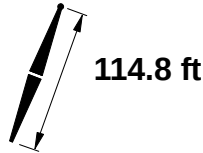
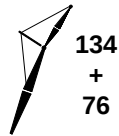
	 5°			 15°			 25°			
	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
60	80.3	305.2	39,900*							60
65	79.3	304.2	39,500*	81.0	302.8	36,800*				65
70	78.3	303.2	39,100*	80.0	301.7	36,500*				70
75	77.4	302.0	38,700*	79.0	300.5	36,200*	80.7	297.3	33,100*	75
80	76.4	300.8	38,300*	78.0	299.3	36,000*	79.7	296.1	32,300*	80
85	75.4	299.4	37,900*	77.0	297.9	35,700*	78.7	294.7	31,500*	85
90	74.4	298.0	37,500*	76.0	296.5	35,400*	77.7	293.2	30,700*	90
95	73.4	296.4	37,100*	75.0	294.9	35,200*	76.7	291.7	30,000*	95
100	72.4	294.8	36,800*	74.0	293.3	34,900*	75.7	290.0	29,300*	100
105	71.4	293.1	36,400*	73.0	291.6	34,700*	74.6	288.3	28,700*	105
110	70.4	291.3	34,600	72.0	289.7	34,400*	73.6	286.4	28,100*	110
115	69.4	289.4	32,100	71.0	287.8	33,400	72.6	284.5	27,500*	115
120	68.4	287.3	29,800	70.0	285.8	31,000	71.5	282.4	26,900*	120
125	67.4	285.2	27,800	68.9	283.6	28,900	70.5	280.2	26,400*	125
130	66.3	283.0	25,900	67.9	281.4	26,900	69.4	278.0	25,900*	130
135	65.3	280.6	24,100	66.8	279.0	25,100	68.4	275.6	25,400*	135
140	64.2	278.2	22,500	65.8	276.6	23,500	67.3	273.1	24,400	140
145	63.2	275.6	21,000	64.7	274.0	21,900	66.2	270.4	22,800	145
150	62.1	272.9	19,600	63.6	271.2	20,500	65.1	267.7	21,300	150
155	61.0	270.1	18,300	62.5	268.4	19,100	64.0	264.8	19,900	155
160	59.9	267.1	17,100	61.4	265.4	17,900	62.9	261.8	18,600	160
165	58.8	264.0	15,900	60.3	262.4	16,700	61.7	258.7	17,400	165
170	57.7	260.8	14,900	59.2	259.1	15,600	60.6	255.4	16,300	170
175	56.5	257.5	13,900	58.0	255.7	14,600	59.4	252.0	15,200	175
180	55.4	254.0	12,900	56.9	252.2	13,600	58.2	248.4	14,200	180
185	54.2	250.3	12,000	55.7	248.5	12,700	57.0	244.6	13,200	185
190	53.0	246.5	11,200	54.5	244.7	11,800	55.8	240.7	12,300	190
195	51.8	242.5	10,400	53.3	240.7	11,000	54.6	236.6	11,500	195
200	50.6	238.4	9,600	52.0	236.5	10,200	53.3	232.4	10,600	200
205	49.3	234.0	8,900	50.8	232.1	9,400	52.0	227.9	9,900	205
210	48.0	229.5	8,200	49.5	227.5	8,700	50.7	223.2	9,100	210
215	46.7	224.7	7,600	48.1	222.7	8,000	49.4	218.3	8,400	215
220	45.4	219.7	7,000	46.8	217.7	7,400	48.0	213.2	7,800	220
225	44.0	214.5	6,400	45.4	212.4	6,800	46.6	207.8	7,100	225
230	42.6	209.0	5,800	44.0	206.9	6,200	45.1	202.1	6,500	230
235	41.2	203.3	5,100*	42.5	201.0	5,600*	43.6	196.1	5,900	235
240	39.7	197.2	4,500*	41.0	194.9	4,900*				240
245				39.5	188.4	4,300*				245

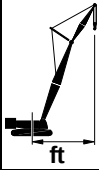
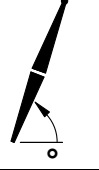
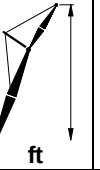
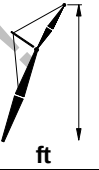


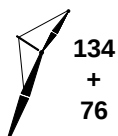
178,000 lb
+
70,500 lb



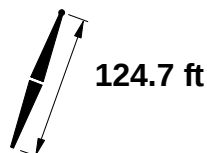
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
35	80.9	170.0	39,000*							35
40	79.1	168.9	38,000*							40
45	77.4	167.7	37,100*							45
50	75.6	166.3	36,200*	79.6	165.3	31,500*				50
55	73.7	164.8	35,200*	77.7	163.8	31,200*				55
60	71.9	163.1	34,300*	75.9	162.1	30,700*	79.6	159.2	27,600*	60
65	70.0	161.2	33,400*	74.0	160.2	30,200*	77.7	157.3	26,300*	65
70	68.2	159.1	32,500*	72.1	158.2	29,700*	75.8	155.2	25,000*	70
75	66.2	156.8	31,700*	70.2	155.9	29,100*	73.8	152.8	23,900*	75
80	64.3	154.3	30,900*	68.3	153.4	28,500*	71.8	150.3	22,900*	80
85	62.3	151.6	30,200*	66.3	150.7	28,000*	69.8	147.6	22,000*	85
90	60.3	148.7	29,500*	64.2	147.8	27,500*	67.7	144.6	21,200*	90
95	58.3	145.5	28,900*	62.2	144.6	26,900*	65.6	141.3	20,400*	95
100	56.1	142.1	28,200*	60.0	141.2	25,700*	63.4	137.8	19,700*	100
105	54.0	138.3	27,600*	57.9	137.5	24,600*	61.2	134.0	19,000*	105
110	51.7	134.3	27,000*	55.6	133.5	23,600*	58.9	129.9	18,400*	110
115	49.4	129.9	26,400*	53.3	129.1	22,700*	56.5	125.4	17,900*	115
120	47.0	125.2	25,400*	50.9	124.4	21,900*	54.0	120.5	17,400*	120
125	44.5	120.0	24,400*	48.4	119.2	21,100*	51.4	115.1	16,900*	125
130	41.9	114.4	23,400*	45.7	113.6	20,400*	48.6	109.2	16,500*	130
135	39.2	108.2	22,500*	42.9	107.3	19,700*	45.7	102.7	16,100*	135
140	36.2	101.3	21,600*	39.9	100.4	19,100*	42.6	95.4	15,800*	140
145	33.0	93.5	20,800*	36.7	92.7	18,600*				145
150	29.5	84.7	20,100*	33.1	83.8	18,100*				150
155	25.4	74.3	19,400*							155
160	20.7	61.4	18,800*							160



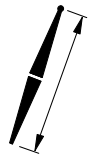
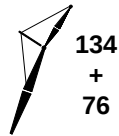
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	79.8	179.0	38,100*							40
45	78.1	177.9	37,300*							45
50	76.4	176.6	36,400*	80.2	175.5	31,500*				50
55	74.7	175.1	35,600*	78.5	174.1	31,300*				55
60	73.0	173.5	34,700*	76.7	172.5	30,800*	80.3	169.5	28,100*	60
65	71.2	171.7	33,800*	75.0	170.7	30,400*	78.5	167.7	26,800*	65
70	69.5	169.8	33,000*	73.2	168.8	30,000*	76.7	165.7	25,600*	70
75	67.7	167.7	32,200*	71.4	166.7	29,400*	74.8	163.6	24,500*	75
80	65.9	165.3	31,500*	69.6	164.4	28,900*	73.0	161.2	23,500*	80
85	64.0	162.8	30,700*	67.7	161.9	28,300*	71.1	158.7	22,600*	85
90	62.2	160.1	30,100*	65.9	159.2	27,800*	69.2	155.9	21,700*	90
95	60.3	157.2	29,400*	64.0	156.2	27,400*	67.2	152.9	21,000*	95
100	58.3	154.0	28,800*	62.0	153.1	26,800*	65.2	149.7	20,300*	100
105	56.3	150.6	28,200*	60.0	149.7	25,700*	63.2	146.2	19,600*	105
110	54.3	146.9	27,700*	58.0	146.0	24,600*	61.1	142.4	19,000*	110
115	52.2	142.9	27,100*	55.9	142.1	23,700*	58.9	138.4	18,400*	115
120	50.1	138.7	26,500*	53.7	137.8	22,800*	56.7	134.0	17,900*	120
125	47.8	134.1	25,800*	51.4	133.2	22,000*	54.4	129.2	17,400*	125
130	45.5	129.1	24,800*	49.1	128.2	21,300*	52.0	124.0	17,000*	130
135	43.1	123.6	23,800*	46.7	122.8	20,600*	49.4	118.4	16,600*	135
140	40.5	117.7	22,900*	44.1	116.8	20,000*	46.8	112.2	16,200*	140
145	37.9	111.2	22,100*	41.4	110.3	19,400*	43.9	105.4	15,900*	145
150	35.0	104.0	21,300*	38.5	103.1	18,900*				150
155	31.9	95.9	20,600*	35.3	95.0	18,400*				155
160	28.4	86.7	19,900*	31.9	85.7	17,900*				160
165	24.5	75.9	19,300*							165



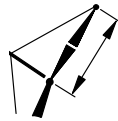
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	80.3	189.0	38,200*							40
45	78.7	188.0	37,400*							45
50	77.1	186.7	36,600*	80.7	185.6	31,500*				50
55	75.5	185.4	35,800*	79.1	184.3	31,300*				55
60	73.9	183.9	35,000*	77.5	182.8	30,900*	80.8	179.7	28,600*	60
65	72.3	182.2	34,200*	75.8	181.1	30,500*	79.1	178.0	27,300*	65
70	70.6	180.4	33,400*	74.2	179.3	30,100*	77.4	176.2	26,100*	70
75	68.9	178.4	32,600*	72.5	177.3	29,700*	75.7	174.2	25,000*	75
80	67.2	176.2	31,900*	70.8	175.2	29,200*	74.0	172.0	24,000*	80
85	65.5	173.8	31,200*	69.1	172.9	28,700*	72.2	169.6	23,100*	85
90	63.8	171.3	30,600*	67.3	170.3	28,200*	70.5	167.0	22,300*	90
95	62.0	168.6	29,900*	65.5	167.6	27,700*	68.6	164.2	21,500*	95
100	60.2	165.6	29,300*	63.7	164.7	27,300*	66.8	161.2	20,800*	100
105	58.4	162.5	28,700*	61.9	161.5	26,700*	64.9	158.0	20,100*	105
110	56.5	159.1	28,200*	60.0	158.2	25,600*	63.0	154.6	19,500*	110
115	54.6	155.5	27,700*	58.0	154.5	24,700*	61.0	150.8	19,000*	115
120	52.6	151.6	27,100*	56.1	150.6	23,800*	59.0	146.9	18,400*	120
125	50.6	147.4	26,600*	54.0	146.5	23,000*	56.9	142.6	18,000*	125
130	48.5	142.9	26,100*	51.9	142.0	22,200*	54.7	137.9	17,500*	130
135	46.4	138.0	25,100*	49.7	137.1	21,500*	52.4	132.9	17,100*	135
140	44.1	132.8	24,200*	47.5	131.9	20,800*	50.1	127.5	16,700*	140
145	41.8	127.1	23,300*	45.1	126.2	20,200*	47.6	121.6	16,300*	145
150	39.3	120.9	22,500*	42.6	120.0	19,700*	45.0	115.1	16,000*	150
155	36.7	114.1	21,700*	40.0	113.2	19,100*	42.3	108.0	15,700*	155
160	33.9	106.7	21,000*	37.2	105.7	18,700*				160
165	30.8	98.3	20,400*	34.1	97.2	18,200*				165
170	27.5	88.7	19,700*	30.7	87.6	17,800*				170
175	23.7	77.5	19,000							175

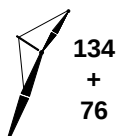


134.5 ft



60.0 ft

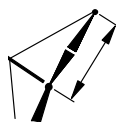
	5°			15°			25°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	80.8	199.0	38,300*							40
45	79.3	198.0	37,500*							45
50	77.8	196.9	36,700*							50
55	76.3	195.6	36,000*	79.7	194.5	31,400*				55
60	74.7	194.2	35,300*	78.1	193.1	31,000*				60
65	73.2	192.6	34,500*	76.6	191.5	30,600*	79.7	188.3	27,700*	65
70	71.6	190.9	33,800*	75.0	189.8	30,200*	78.1	186.6	26,600*	70
75	70.1	189.0	33,000*	73.4	187.9	29,800*	76.5	184.7	25,500*	75
80	68.5	186.9	32,300*	71.8	185.9	29,400*	74.9	182.6	24,500*	80
85	66.9	184.7	31,600*	70.2	183.7	28,900*	73.2	180.4	23,600*	85
90	65.2	182.4	31,000*	68.6	181.3	28,500*	71.6	178.0	22,800*	90
95	63.6	179.8	30,400*	66.9	178.8	28,000*	69.9	175.4	22,000*	95
100	61.9	177.1	29,800*	65.2	176.0	27,600*	68.1	172.6	21,300*	100
105	60.2	174.1	29,200*	63.5	173.1	27,200*	66.4	169.6	20,700*	105
110	58.4	171.0	28,700*	61.7	170.0	26,600*	64.6	166.4	20,000*	110
115	56.7	167.6	28,200*	60.0	166.6	25,600*	62.8	163.0	19,500*	115
120	54.9	164.0	27,700*	58.1	163.0	24,700*	60.9	159.3	18,900*	120
125	53.0	160.2	27,200*	56.3	159.2	23,900*	59.0	155.3	18,400*	125
130	51.1	156.1	26,700*	54.3	155.1	23,100*	57.0	151.1	18,000*	130
135	49.1	151.6	26,200*	52.4	150.7	22,400*	55.0	146.6	17,600*	135
140	47.1	146.9	25,500*	50.3	146.0	21,700*	52.9	141.7	17,200*	140
145	45.0	141.8	24,500*	48.2	140.9	21,000*	50.7	136.5	16,800*	145
150	42.8	136.4	23,700*	46.0	135.4	20,500*	48.4	130.8	16,400*	150
155	40.5	130.5	22,900*	43.7	129.5	19,900*	46.0	124.6	16,100*	155
160	38.1	124.0	21,900	41.3	123.0	19,400*	43.5	117.9	15,900*	160
165	35.6	117.0	20,700	38.7	116.0	18,900*				165
170	32.9	109.2	19,700	36.0	108.1	18,500*				170
175	29.9	100.5	18,700	33.0	99.4	18,100*				175
180	26.6	90.6	17,700							180
185	22.9	79.0	16,800							185



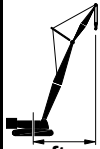
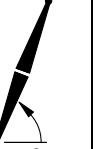
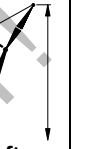
178,000 lb
+
70,500 lb

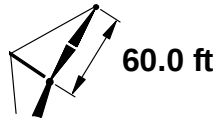
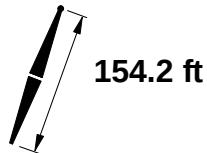
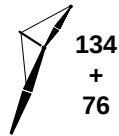


144.4 ft

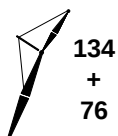


60.0 ft

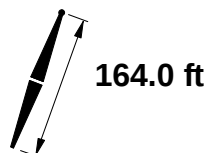
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
45	79.8	208.1	37,500*							45
50	78.4	207.0	36,800*							50
55	77.0	205.8	36,100*	80.2	204.6	31,400*				55
60	75.5	204.4	35,500*	78.7	203.3	31,000*				60
65	74.0	202.9	34,800*	77.3	201.8	30,600*	80.3	198.6	28,100*	65
70	72.6	201.3	34,100*	75.8	200.2	30,300*	78.8	196.9	27,000*	70
75	71.1	199.5	33,300*	74.3	198.4	29,900*	77.2	195.1	25,900*	75
80	69.6	197.6	32,700*	72.8	196.5	29,600*	75.7	193.2	25,000*	80
85	68.1	195.5	32,000*	71.2	194.4	29,200*	74.1	191.1	24,100*	85
90	66.5	193.3	31,400*	69.7	192.2	28,700*	72.6	188.8	23,300*	90
95	65.0	190.9	30,800*	68.1	189.8	28,300*	71.0	186.4	22,500*	95
100	63.4	188.3	30,200*	66.5	187.2	27,900*	69.3	183.8	21,800*	100
105	61.8	185.5	29,600*	64.9	184.5	27,500*	67.7	181.0	21,100*	105
110	60.2	182.6	29,100*	63.3	181.6	27,100*	66.0	178.0	20,500*	110
115	58.5	179.5	28,600*	61.6	178.4	26,600*	64.3	174.8	20,000*	115
120	56.8	176.1	28,100*	59.9	175.1	25,600*	62.6	171.4	19,400*	120
125	55.1	172.6	27,700*	58.2	171.5	24,800*	60.8	167.7	18,900*	125
130	53.3	168.8	27,200*	56.4	167.7	23,900*	59.0	163.8	18,500*	130
135	51.5	164.7	26,700*	54.6	163.7	23,200*	57.1	159.7	18,000*	135
140	49.7	160.4	26,300*	52.7	159.4	22,500*	55.2	155.3	17,600*	140
145	47.8	155.8	25,300	50.8	154.8	21,800*	53.3	150.5	17,200*	145
150	45.8	150.8	23,900	48.8	149.8	21,200*	51.2	145.4	16,900*	150
155	43.7	145.5	22,600	46.8	144.5	20,700*	49.1	139.9	16,500*	155
160	41.6	139.8	21,400	44.6	138.8	20,100*	46.9	134.0	16,200*	160
165	39.4	133.7	20,300	42.4	132.7	19,600*	44.5	127.6	16,000*	165
170	37.1	127.0	19,200	40.0	126.0	19,200*	42.1	120.6	15,700*	170
175	34.6	119.7	18,200	37.5	118.6	18,600				175
180	31.9	111.7	17,200	34.8	110.5	17,600				180
185	29.0	102.7	16,300	31.9	101.5	16,700				185
190	25.8	92.4	15,500							190
195	22.2	80.4	14,600							195



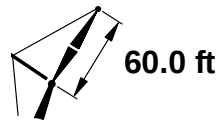
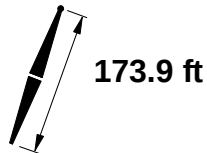
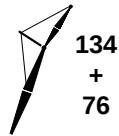
	5°			15°			25°			
	ft	°	ft	lb	°	ft	lb	°	ft	
45	80.3	218.1	37,500*						45	
50	78.9	217.1	36,800*						50	
55	77.6	215.9	36,200*	80.7	214.7	31,400*			55	
60	76.2	214.6	35,600*	79.3	213.4	31,000*			60	
65	74.8	213.2	34,900*	77.9	212.0	30,600*	80.7	208.8	65	28,500*
70	73.4	211.7	34,300*	76.5	210.5	30,300*	79.3	207.2	70	27,400*
75	72.0	210.0	33,600*	75.0	208.8	30,000*	77.9	205.5	75	26,400*
80	70.6	208.1	32,900*	73.6	207.0	29,600*	76.4	203.7	80	25,400*
85	69.1	206.2	32,300*	72.2	205.1	29,300*	74.9	201.7	85	24,500*
90	67.7	204.1	31,700*	70.7	202.9	28,900*	73.4	199.5	90	23,700*
95	66.2	201.8	31,100*	69.2	200.7	28,500*	71.9	197.2	95	23,000*
100	64.7	199.4	30,600*	67.7	198.3	28,100*	70.4	194.8	100	22,300*
105	63.2	196.8	30,000*	66.2	195.7	27,700*	68.9	192.1	105	21,600*
110	61.7	194.0	29,500*	64.7	192.9	27,300*	67.3	189.3	110	21,000*
115	60.1	191.1	29,000*	63.1	190.0	27,000*	65.7	186.3	115	20,400*
120	58.5	187.9	28,500*	61.5	186.9	26,500*	64.1	183.2	120	19,900*
125	56.9	184.6	28,100*	59.9	183.6	25,600*	62.4	179.8	125	19,400*
130	55.3	181.1	27,600*	58.3	180.0	24,800*	60.8	176.2	130	18,900*
135	53.6	177.3	27,200*	56.6	176.3	24,000*	59.0	172.3	135	18,500*
140	51.9	173.3	26,400	54.9	172.3	23,300*	57.3	168.2	140	18,000*
145	50.2	169.1	24,900	53.1	168.1	22,600*	55.5	163.9	145	17,700*
150	48.4	164.6	23,500	51.3	163.5	22,000*	53.6	159.3	150	17,300*
155	46.5	159.8	22,200	49.4	158.7	21,400*	51.7	154.3	155	17,000*
160	44.6	154.6	21,000	47.5	153.6	20,800*	49.7	149.0	160	16,600*
165	42.6	149.1	19,900	45.5	148.1	20,300*	47.6	143.3	165	16,300*
170	40.5	143.2	18,800	43.4	142.1	19,300	45.4	137.1	170	16,100*
175	38.3	136.8	17,800	41.2	135.7	18,300	43.2	130.5	175	15,800*
180	36.1	129.9	16,800	38.9	128.8	17,300			180	
185	33.6	122.3	15,900	36.4	121.2	16,400			185	
190	31.0	114.0	15,100	33.8	112.8	15,500			190	
195	28.2	104.7	14,300	30.9	103.5	14,600			195	
200	25.1	94.1	13,500						200	
205	21.5	81.7	12,800						205	



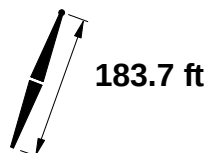
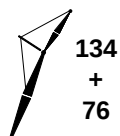
178,000 lb
+
70,500 lb

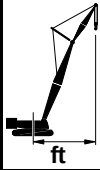
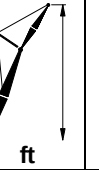
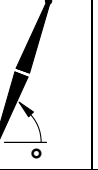
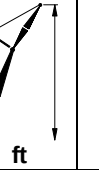
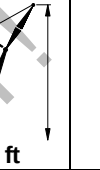


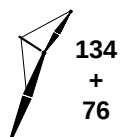
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.7	228.1	37,500*							45
50	79.4	227.2	36,800*							50
55	78.1	226.0	36,200*							55
60	76.8	224.8	35,600*	79.8	223.6	31,000*				60
65	75.5	223.5	35,000*	78.4	222.3	30,600*				65
70	74.1	222.0	34,400*	77.1	220.8	30,300*	79.8	217.5	27,800*	70
75	72.8	220.4	33,800*	75.7	219.2	30,000*	78.4	215.9	26,800*	75
80	71.5	218.6	33,200*	74.4	217.5	29,700*	77.0	214.1	25,800*	80
85	70.1	216.8	32,600*	73.0	215.6	29,400*	75.7	212.2	25,000*	85
90	68.7	214.8	32,000*	71.6	213.6	29,100*	74.2	210.2	24,200*	90
95	67.3	212.6	31,400*	70.2	211.5	28,700*	72.8	208.0	23,400*	95
100	65.9	210.3	30,900*	68.8	209.2	28,300*	71.4	205.7	22,700*	100
105	64.5	207.9	30,400*	67.4	206.7	27,900*	69.9	203.2	22,000*	105
110	63.0	205.3	29,800*	65.9	204.1	27,600*	68.4	200.5	21,400*	110
115	61.6	202.5	29,400*	64.4	201.4	27,200*	66.9	197.7	20,900*	115
120	60.1	199.5	28,900*	62.9	198.5	26,900*	65.4	194.7	20,300*	120
125	58.6	196.4	28,400*	61.4	195.3	26,400*	63.9	191.6	19,800*	125
130	57.1	193.1	28,000*	59.9	192.0	25,600*	62.3	188.2	19,300*	130
135	55.5	189.6	27,600*	58.3	188.5	24,800*	60.7	184.6	18,900*	135
140	53.9	185.9	26,000	56.7	184.8	24,100*	59.1	180.8	18,500*	140
145	52.3	182.0	24,500	55.1	180.9	23,400*	57.4	176.8	18,100*	145
150	50.6	177.8	23,200	53.4	176.7	22,700*	55.7	172.5	17,700*	150
155	48.9	173.4	21,900	51.7	172.3	22,100*	53.9	168.0	17,300*	155
160	47.1	168.7	20,700	49.9	167.6	21,300	52.1	163.1	17,000*	160
165	45.3	163.6	19,500	48.1	162.6	20,200	50.2	158.0	16,700*	165
170	43.5	158.3	18,500	46.2	157.2	19,100	48.3	152.4	16,400*	170
175	41.5	152.6	17,500	44.2	151.5	18,000	46.2	146.5	16,200*	175
180	39.5	146.5	16,500	42.2	145.3	17,000	44.1	140.1	15,900*	180
185	37.4	139.9	15,600	40.1	138.7	16,100	41.9	133.2	15,700*	185
190	35.1	132.7	14,800	37.8	131.5	15,200				190
195	32.8	124.9	14,000	35.4	123.7	14,400				195
200	30.2	116.3	13,200	32.8	115.1	13,600				200
205	27.5	106.7	12,500							205
210	24.4	95.8	11,800							210
215	20.9	83.0	11,100							215



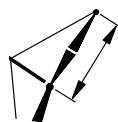
	5°			15°			25°			
	ft	o	ft	o	ft	lb	o	ft	lb	ft
50		79.9	237.2			36,800*				50
55		78.6	236.1			36,200*				55
60		77.4	235.0			35,600*				60
65		76.1	233.7			35,100*				65
70		74.8	232.3			34,500*				70
75		73.6	230.7			33,900*				75
80		72.3	229.1			33,400*				80
85		71.0	227.3			32,800*				85
90		69.7	225.4			32,200*				90
95		68.3	223.3			31,700*				95
100		67.0	221.1			31,100*				100
105		65.6	218.8			30,600*				105
110		64.3	216.4			30,100*				110
115		62.9	213.7			29,700*				115
120		61.5	211.0			29,200*				120
125		60.1	208.0			28,800*				125
130		58.6	204.9			28,300*				130
135		57.2	201.6			27,200				135
140		55.7	198.1			25,600				140
145		54.1	194.5			24,100				145
150		52.6	190.6			22,800				150
155		51.0	186.5			21,500				155
160		49.4	182.1			20,300				160
165		47.7	177.5			19,100				165
170		46.0	172.6			18,100				170
175		44.2	167.4			17,100				175
180		42.4	161.9			16,100				180
185		40.5	155.9			15,200				185
190		38.5	149.6			14,400				190
195		36.4	142.8			13,600				195
200		34.3	135.4			12,800				200
205		31.9	127.4			12,100				205
210		29.5	118.5			11,400				210
215		26.7	108.6			10,700				215
220		23.7	97.4			10,100				220
225		20.3	84.2			9,500				225



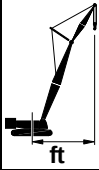
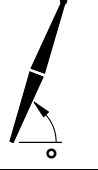
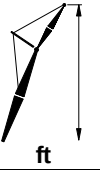
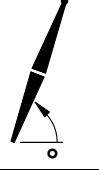
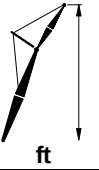
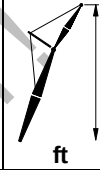
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50	80.3	247.2	36,700*							50
55	79.1	246.2	36,100*							55
60	77.9	245.1	35,600*	80.6	243.8	30,900*				60
65	76.7	243.8	35,000*	79.4	242.6	30,600*				65
70	75.5	242.5	34,500*	78.2	241.3	30,300*	80.7	237.9	28,300*	70
75	74.2	241.0	34,000*	76.9	239.8	30,000*	79.4	236.4	27,500*	75
80	73.0	239.5	33,500*	75.7	238.2	29,700*	78.2	234.8	26,600*	80
85	71.8	237.7	33,000*	74.4	236.5	29,400*	76.9	233.1	25,700*	85
90	70.5	235.9	32,400*	73.2	234.7	29,100*	75.6	231.2	24,900*	90
95	69.3	234.0	31,900*	71.9	232.8	28,900*	74.3	229.3	24,200*	95
100	68.0	231.9	31,400*	70.6	230.7	28,600*	73.0	227.2	23,500*	100
105	66.7	229.7	30,900*	69.3	228.5	28,300*	71.7	224.9	22,900*	105
110	65.4	227.3	30,400*	68.0	226.2	27,900*	70.4	222.5	22,300*	110
115	64.1	224.9	29,900*	66.7	223.7	27,600*	69.0	220.0	21,700*	115
120	62.8	222.2	29,500*	65.4	221.1	27,300*	67.7	217.4	21,100*	120
125	61.4	219.4	29,100*	64.0	218.3	27,000*	66.3	214.5	20,600*	125
130	60.0	216.5	28,500*	62.7	215.4	26,700*	64.9	211.5	20,100*	130
135	58.7	213.4	26,800*	61.3	212.3	26,300*	63.5	208.4	19,700*	135
140	57.3	210.1	25,200*	59.8	209.0	25,600*	62.1	205.0	19,300*	140
145	55.8	206.7	23,700*	58.4	205.5	24,600*	60.6	201.5	18,900*	145
150	54.4	203.0	22,300*	56.9	201.9	23,200*	59.1	197.8	18,500*	150
155	52.9	199.2	21,000*	55.5	198.0	21,800*	57.6	193.9	18,100*	155
160	51.4	195.1	19,800*	53.9	194.0	20,600*	56.0	189.7	17,800*	160
165	49.8	190.8	18,600*	52.4	189.7	19,400*	54.4	185.3	17,400*	165
170	48.2	186.3	17,600*	50.8	185.2	18,300*	52.8	180.7	17,100*	170
175	46.6	181.5	16,600*	49.1	180.4	17,200*	51.1	175.8	16,900*	175
180	44.9	176.4	15,600*	47.5	175.3	16,300*	49.4	170.5	16,600*	180
185	43.2	171.1	14,700*	45.7	169.9	15,300*	47.6	165.0	15,800*	185
190	41.4	165.3	13,900*	43.9	164.2	14,400*	45.7	159.1	14,900*	190
195	39.6	159.2	13,100*	42.0	158.0	13,600*	43.8	152.7	14,000*	195
200	37.6	152.7	12,300*	40.1	151.5	12,800*	41.7	145.9	13,100*	200
205	35.6	145.6	11,600*	38.0	144.4	12,100*				205
210	33.5	138.0	10,900*	35.9	136.8	11,300*				210
215	31.2	129.8	10,300*	33.6	128.5	10,600*				215
220	28.7	120.7	9,600*	31.1	119.3	10,000*				220
225	26.1	110.5	9,000*							225
230	23.1	99.0	8,400*							230

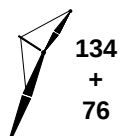


193.6 ft

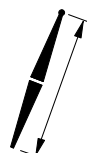


60.0 ft

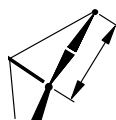
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50		80.7	257.2	36,500*						50
55		79.5	256.3	36,000*						55
60		78.4	255.2	35,500*	81.0	253.9	30,800*			60
65		77.2	254.0	35,000*	79.8	252.7	30,500*			65
70		76.0	252.7	34,500*	78.6	251.4	30,200*			70
75		74.9	251.3	34,000*	77.5	250.0	29,900*	79.9	246.6	27,800*
80		73.7	249.8	33,500*	76.3	248.5	29,600*	78.7	245.1	26,900*
85		72.5	248.2	33,000*	75.1	246.9	29,400*	77.4	243.4	26,100*
90		71.3	246.4	32,500*	73.9	245.2	29,100*	76.2	241.7	25,300*
95		70.1	244.6	32,000*	72.7	243.3	28,900*	75.0	239.8	24,600*
100		68.9	242.6	31,500*	71.4	241.4	28,600*	73.8	237.8	23,900*
105		67.7	240.5	31,100*	70.2	239.3	28,400*	72.5	235.7	23,200*
110		66.4	238.2	30,600*	69.0	237.0	28,100*	71.2	233.4	22,600*
115		65.2	235.9	30,100*	67.7	234.7	27,700*	70.0	231.0	22,100*
120		63.9	233.3	29,700*	66.4	232.2	27,400*	68.7	228.4	21,500*
125		62.6	230.7	29,300*	65.1	229.5	27,100*	67.4	225.8	21,000*
130		61.3	227.9	28,100	63.8	226.7	26,900*	66.0	222.9	20,500*
135		60.0	225.0	26,400	62.5	223.8	26,600*	64.7	219.9	20,100*
140		58.7	221.9	24,700	61.2	220.7	25,800	63.3	216.8	19,600*
145		57.3	218.6	23,300	59.8	217.5	24,200	61.9	213.5	19,200*
150		56.0	215.2	21,900	58.5	214.0	22,800	60.5	210.0	18,800*
155		54.6	211.6	20,600	57.1	210.4	21,400	59.1	206.3	18,500*
160		53.2	207.8	19,400	55.6	206.6	20,200	57.6	202.4	18,100*
165		51.7	203.7	18,200	54.2	202.6	19,000	56.2	198.3	17,800*
170		50.2	199.5	17,200	52.7	198.4	17,900	54.6	194.0	17,500*
175		48.7	195.1	16,200	51.2	193.9	16,900	53.1	189.4	17,200*
180		47.2	190.4	15,200	49.6	189.2	15,900	51.5	184.6	16,400
185		45.6	185.4	14,300	48.0	184.3	15,000	49.8	179.5	15,500
190		43.9	180.2	13,500	46.3	179.0	14,100	48.1	174.1	14,500
195		42.2	174.6	12,700	44.6	173.4	13,300	46.4	168.3	13,700
200		40.5	168.7	11,900	42.9	167.5	12,500	44.6	162.2	12,800
205		38.7	162.4	11,200	41.0	161.2	11,700	42.7	155.7	12,000
210		36.8	155.7	10,500	39.1	154.4	11,000			
215		34.8	148.4	9,900	37.1	147.2	10,300			
220		32.7	140.6	9,200	35.0	139.3	9,600			
225		30.5	132.1	8,600	32.8	130.7	9,000			
230		28.1	122.7	8,100	30.3	121.3	8,400			
235		25.4	112.3	7,500						
240		22.5	100.4	7,000						



178,000 lb
+
70,500 lb

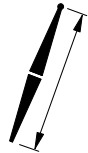
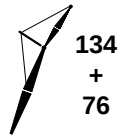


203.4 ft

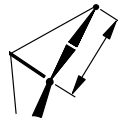


60.0 ft

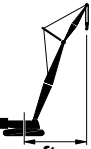
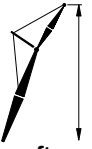
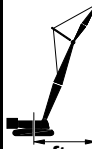
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
55	79.9	266.3	35,800*							55
60	78.8	265.3	35,300*							60
65	77.7	264.1	34,800*	80.2	262.8	30,400*				65
70	76.6	262.9	34,400*	79.1	261.6	30,100*				70
75	75.5	261.5	33,900*	77.9	260.3	29,800*	80.3	256.8	28,000*	75
80	74.3	260.1	33,500*	76.8	258.8	29,600*	79.1	255.3	27,200*	80
85	73.2	258.5	33,000*	75.7	257.3	29,300*	77.9	253.7	26,400*	85
90	72.0	256.8	32,600*	74.5	255.6	29,100*	76.8	252.1	25,600*	90
95	70.9	255.1	32,100*	73.3	253.8	28,800*	75.6	250.3	24,900*	95
100	69.7	253.2	31,700*	72.2	251.9	28,600*	74.4	248.3	24,200*	100
105	68.5	251.1	31,200*	71.0	249.9	28,400*	73.2	246.3	23,600*	105
110	67.4	249.0	30,700*	69.8	247.8	28,200*	72.0	244.1	23,000*	110
115	66.2	246.7	30,300*	68.6	245.5	27,800*	70.8	241.9	22,400*	115
120	65.0	244.4	29,900*	67.4	243.2	27,600*	69.6	239.4	21,900*	120
125	63.7	241.8	29,500*	66.2	240.6	27,300*	68.3	236.9	21,400*	125
130	62.5	239.2	27,700	64.9	238.0	27,000*	67.1	234.2	20,900*	130
135	61.3	236.4	26,000	63.7	235.2	26,700*	65.8	231.3	20,400*	135
140	60.0	233.4	24,400	62.4	232.3	25,500	64.5	228.4	20,000*	140
145	58.7	230.4	22,900	61.1	229.2	23,900	63.2	225.2	19,600*	145
150	57.4	227.1	21,500	59.8	225.9	22,500	61.8	221.9	19,200*	150
155	56.1	223.7	20,200	58.5	222.5	21,100	60.5	218.4	18,800*	155
160	54.8	220.1	19,000	57.1	218.9	19,900	59.1	214.8	18,500*	160
165	53.4	216.3	17,900	55.8	215.2	18,700	57.7	210.9	18,100*	165
170	52.0	212.4	16,800	54.4	211.2	17,600	56.3	206.9	17,800*	170
175	50.6	208.2	15,800	53.0	207.0	16,600	54.8	202.6	17,200	175
180	49.2	203.8	14,900	51.5	202.7	15,600	53.4	198.1	16,100	180
185	47.7	199.2	14,000	50.0	198.0	14,600	51.8	193.4	15,200	185
190	46.2	194.4	13,100	48.5	193.2	13,800	50.3	188.4	14,300	190
195	44.6	189.2	12,300	46.9	188.0	12,900	48.7	183.1	13,400	195
200	43.0	183.8	11,600	45.3	182.6	12,100	47.0	177.6	12,600	200
205	41.3	178.1	10,900	43.6	176.9	11,400	45.3	171.6	11,800	205
210	39.6	172.0	10,200	41.9	170.7	10,700	43.5	165.3	11,000	210
215	37.8	165.5	9,500	40.1	164.2	10,000				215
220	36.0	158.6	8,900	38.2	157.3	9,300				220
225	34.0	151.1	8,300	36.3	149.8	8,700				225
230	32.0	143.1	7,700	34.2	141.7	8,100				230
235	29.8	134.3	7,200	32.0	132.9	7,500				235
240	27.4	124.7	6,600							240
245	24.8	114.0	6,100							245
250	22.0	101.9	5,600							250

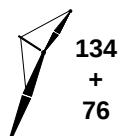


213.3 ft

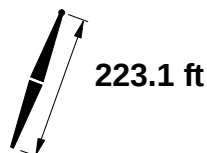


60.0 ft

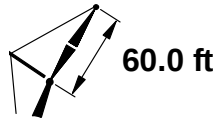
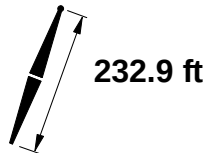
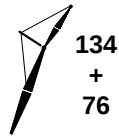
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
55	80.3	276.3	35,600*							55
60	79.2	275.3	35,200*							60
65	78.2	274.2	34,700*	80.6	272.9	30,300*				65
70	77.1	273.0	34,300*	79.5	271.7	30,000*				70
75	76.0	271.7	33,800*	78.4	270.4	29,700*	80.6	266.9	27,900*	75
80	74.9	270.3	33,400*	77.3	269.0	29,500*	79.5	265.5	27,600*	80
85	73.8	268.8	33,000*	76.2	267.6	29,200*	78.4	264.0	26,700*	85
90	72.7	267.2	32,600*	75.1	266.0	29,000*	77.3	262.4	26,000*	90
95	71.6	265.5	32,200*	74.0	264.3	28,800*	76.2	260.7	25,300*	95
100	70.5	263.7	31,700*	72.9	262.4	28,600*	75.0	258.8	24,600*	100
105	69.4	261.8	31,300*	71.7	260.5	28,300*	73.9	256.9	23,900*	105
110	68.2	259.7	30,900*	70.6	258.5	28,100*	72.7	254.8	23,300*	110
115	67.1	257.6	30,400*	69.4	256.3	27,900*	71.5	252.6	22,800*	115
120	65.9	255.3	30,000*	68.3	254.0	27,600*	70.4	250.3	22,200*	120
125	64.8	252.9	29,200	67.1	251.6	27,400*	69.2	247.9	21,700*	125
130	63.6	250.3	27,300	65.9	249.1	27,100*	68.0	245.3	21,300*	130
135	62.4	247.7	25,600	64.7	246.5	26,800	66.8	242.6	20,800*	135
140	61.2	244.9	24,000	63.5	243.7	25,100	65.5	239.8	20,400*	140
145	60.0	241.9	22,500	62.3	240.7	23,600	64.3	236.8	19,900*	145
150	58.7	238.8	21,100	61.1	237.6	22,100	63.0	233.6	19,600*	150
155	57.5	235.6	19,800	59.8	234.4	20,800	61.8	230.3	19,200*	155
160	56.2	232.2	18,600	58.5	231.0	19,500	60.5	226.9	18,800*	160
165	54.9	228.6	17,500	57.2	227.4	18,300	59.1	223.3	18,500*	165
170	53.6	224.9	16,400	55.9	223.7	17,200	57.8	219.4	17,900	170
175	52.3	221.0	15,400	54.6	219.8	16,200	56.4	215.4	16,800	175
180	50.9	216.9	14,500	53.2	215.7	15,200	55.0	211.2	15,800	180
185	49.6	212.6	13,600	51.8	211.4	14,300	53.6	206.8	14,800	185
190	48.1	208.0	12,700	50.4	206.8	13,400	52.1	202.2	13,900	190
195	46.7	203.2	11,900	48.9	202.0	12,600	50.7	197.3	13,100	195
200	45.2	198.2	11,200	47.4	197.0	11,800	49.1	192.1	12,200	200
205	43.7	192.9	10,500	45.9	191.7	11,000	47.5	186.7	11,500	205
210	42.1	187.4	9,800	44.3	186.1	10,300	45.9	180.9	10,700	210
215	40.5	181.4	9,100	42.7	180.2	9,600	44.2	174.8	10,000	215
220	38.8	175.2	8,500	41.0	173.9	9,000	42.5	168.3	9,300	220
225	37.1	168.5	7,900	39.2	167.2	8,300				225
230	35.2	161.4	7,300	37.4	160.1	7,700				230
235	33.3	153.7	6,800	35.5	152.4	7,200				235
240	31.3	145.5	6,300	33.4	144.1	6,600				240
245	29.1	136.5	5,700	31.2	135.1	6,100				245
250	26.8	126.7	5,300							250
255	24.3	115.7	4,700*							255
260	21.5	103.2	4,100*							260



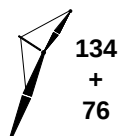
178,000 lb
+
70,500 lb



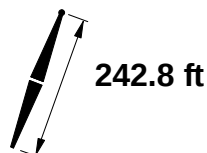
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.6	286.3	35,400*							55
60	79.6	285.4	35,000*							60
65	78.6	284.3	34,600*	80.9	283.0	30,100*				65
70	77.5	283.2	34,100*	79.9	281.8	29,900*				70
75	76.5	281.9	33,700*	78.8	280.6	29,600*	81.0	277.1	27,800*	75
80	75.4	280.6	33,300*	77.8	279.3	29,400*	79.9	275.7	27,600*	80
85	74.4	279.1	32,900*	76.7	277.8	29,100*	78.8	274.3	27,000*	85
90	73.3	277.6	32,500*	75.6	276.3	28,900*	77.8	272.7	26,300*	90
95	72.3	275.9	32,100*	74.6	274.7	28,600*	76.7	271.1	25,600*	95
100	71.2	274.2	31,700*	73.5	272.9	28,400*	75.6	269.3	24,900*	100
105	70.1	272.3	31,300*	72.4	271.1	28,200*	74.5	267.4	24,300*	105
110	69.0	270.4	30,900*	71.3	269.1	28,000*	73.4	265.4	23,700*	110
115	67.9	268.3	30,400*	70.2	267.0	27,800*	72.2	263.3	23,100*	115
120	66.8	266.1	30,000*	69.1	264.9	27,600*	71.1	261.1	22,600*	120
125	65.7	263.8	28,700	68.0	262.6	27,400*	70.0	258.8	22,100*	125
130	64.6	261.4	26,800	66.8	260.1	27,100*	68.8	256.3	21,600*	130
135	63.4	258.8	25,000	65.7	257.6	26,300	67.7	253.7	21,100*	135
140	62.3	256.1	23,400	64.5	254.9	24,600	66.5	251.0	20,700*	140
145	61.1	253.3	21,900	63.4	252.1	23,000	65.3	248.2	20,300*	145
150	60.0	250.4	20,500	62.2	249.2	21,600	64.1	245.2	19,900*	150
155	58.8	247.3	19,200	61.0	246.1	20,200	62.9	242.1	19,500*	155
160	57.6	244.1	18,000	59.8	242.9	19,000	61.7	238.8	19,200*	160
165	56.3	240.7	16,900	58.6	239.5	17,800	60.4	235.3	18,600	165
170	55.1	237.2	15,800	57.3	236.0	16,700	59.1	231.7	17,400	170
175	53.8	233.5	14,800	56.1	232.3	15,600	57.9	228.0	16,300	175
180	52.6	229.6	13,900	54.8	228.4	14,700	56.5	224.0	15,300	180
185	51.3	225.5	13,000	53.5	224.3	13,700	55.2	219.9	14,400	185
190	49.9	221.3	12,100	52.1	220.0	12,900	53.8	215.5	13,400	190
195	48.6	216.8	11,300	50.8	215.6	12,000	52.4	210.9	12,600	195
200	47.2	212.1	10,600	49.4	210.9	11,200	51.0	206.1	11,700	200
205	45.8	207.2	9,900	47.9	206.0	10,500	49.6	201.1	11,000	205
210	44.3	202.0	9,200	46.5	200.8	9,800	48.0	195.8	10,200	210
215	42.8	196.6	8,500	45.0	195.3	9,100	46.5	190.2	9,500	215
220	41.3	190.8	7,900	43.4	189.5	8,400	44.9	184.2	8,800	220
225	39.7	184.7	7,300	41.8	183.5	7,800	43.2	177.9	8,200	225
230	38.0	178.3	6,700	40.1	177.0	7,200				230
235	36.3	171.4	6,200	38.4	170.1	6,600				235
240	34.5	164.1	5,700	36.6	162.8	6,100				240
245	32.6	156.3	5,100*	34.7	154.9	5,500				245
250	30.6	147.9	4,500*	32.7	146.4	5,000*				250
255				30.5	137.2	4,300*				255



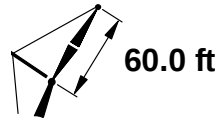
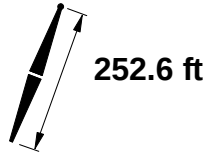
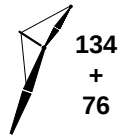
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
55	81.0	296.3	35,200*							55
60	80.0	295.4	34,800*							60
65	79.0	294.4	34,400*							65
70	78.0	293.3	33,900*	80.2	291.9	29,700*				70
75	77.0	292.1	33,500*	79.2	290.7	29,500*				75
80	75.9	290.8	33,200*	78.2	289.4	29,200*	80.3	285.9	27,500*	80
85	74.9	289.4	32,800*	77.2	288.1	29,000*	79.2	284.5	27,300*	85
90	73.9	287.9	32,400*	76.1	286.6	28,800*	78.2	283.0	26,600*	90
95	72.9	286.3	32,000*	75.1	285.0	28,600*	77.1	281.4	25,900*	95
100	71.8	284.6	31,600*	74.1	283.3	28,300*	76.1	279.7	25,200*	100
105	70.8	282.8	31,300*	73.0	281.6	28,100*	75.0	277.9	24,600*	105
110	69.8	281.0	30,900*	72.0	279.7	27,900*	74.0	276.0	24,000*	110
115	68.7	279.0	30,500*	70.9	277.7	27,700*	72.9	274.0	23,400*	115
120	67.7	276.9	30,100*	69.9	275.6	27,500*	71.8	271.8	22,900*	120
125	66.6	274.6	28,700	68.8	273.4	27,300*	70.7	269.6	22,400*	125
130	65.5	272.3	26,800	67.7	271.1	27,100*	69.6	267.3	21,900*	130
135	64.4	269.9	25,100	66.6	268.6	26,300	68.5	264.8	21,500*	135
140	63.3	267.3	23,500	65.5	266.1	24,700	67.4	262.2	21,000*	140
145	62.2	264.6	22,000	64.4	263.4	23,100	66.3	259.5	20,600*	145
150	61.1	261.8	20,600	63.2	260.6	21,700	65.1	256.6	20,200*	150
155	59.9	258.9	19,300	62.1	257.6	20,300	64.0	253.6	19,800*	155
160	58.8	255.8	18,100	61.0	254.6	19,100	62.8	250.5	19,500*	160
165	57.6	252.6	16,900	59.8	251.4	17,900	61.6	247.2	18,700	165
170	56.5	249.2	15,900	58.6	248.0	16,800	60.4	243.8	17,500	170
175	55.3	245.7	14,900	57.4	244.5	15,700	59.2	240.2	16,400	175
180	54.0	242.0	13,900	56.2	240.8	14,700	57.9	236.5	15,400	180
185	52.8	238.2	13,000	54.9	237.0	13,800	56.7	232.6	14,500	185
190	51.6	234.2	12,200	53.7	232.9	12,900	55.4	228.5	13,500	190
195	50.3	229.9	11,400	52.4	228.7	12,100	54.1	224.2	12,700	195
200	49.0	225.5	10,600	51.1	224.3	11,300	52.7	219.7	11,900	200
205	47.6	220.9	9,900	49.7	219.7	10,600	51.3	214.9	11,100	205
210	46.3	216.1	9,200	48.4	214.9	9,900	49.9	210.0	10,300	210
215	44.9	211.0	8,600	47.0	209.8	9,200	48.5	204.8	9,600	215
220	43.5	205.7	8,000	45.5	204.4	8,500	47.0	199.3	8,900	220
225	42.0	200.1	7,400	44.0	198.8	7,900	45.5	193.5	8,300	225
230	40.5	194.2	6,800	42.5	192.9	7,300	43.9	187.4	7,600	230
235	38.9	187.9	6,300	40.9	186.6	6,700	42.3	181.0	7,000	235
240	37.3	181.3	5,700	39.3	180.0	6,200				240
245	35.6	174.3	5,200*	37.6	173.0	5,700				245
250	33.8	166.8	4,600*	35.8	165.4	5,100*				250
255	32.0	158.8	4,000*	34.0	157.4	4,500*				255



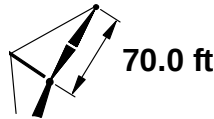
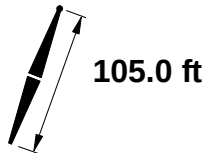
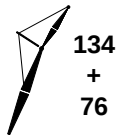
178,000 lb
+
70,500 lb



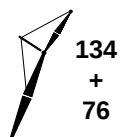
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.3	305.4	34,500*							60
65	79.3	304.4	34,100*							65
70	78.4	303.4	33,700*	80.5	302.0	29,600*				70
75	77.4	302.2	33,300*	79.6	300.8	29,300*				75
80	76.4	301.0	33,000*	78.6	299.6	29,100*	80.6	296.0	27,400*	80
85	75.4	299.6	32,600*	77.6	298.3	28,900*	79.6	294.7	27,200*	85
90	74.4	298.2	32,200*	76.6	296.8	28,700*	78.6	293.2	26,900*	90
95	73.5	296.7	31,900*	75.6	295.3	28,400*	77.6	291.7	26,200*	95
100	72.5	295.0	31,500*	74.6	293.7	28,200*	76.6	290.1	25,500*	100
105	71.5	293.3	31,200*	73.6	292.0	28,000*	75.6	288.3	24,900*	105
110	70.5	291.5	30,800*	72.6	290.2	27,800*	74.5	286.5	24,300*	110
115	69.4	289.6	30,500*	71.6	288.3	27,600*	73.5	284.5	23,800*	115
120	68.4	287.5	30,100*	70.6	286.3	27,400*	72.5	282.5	23,200*	120
125	67.4	285.4	28,400	69.5	284.1	27,200*	71.4	280.4	22,700*	125
130	66.4	283.2	26,500	68.5	281.9	27,100*	70.4	278.1	22,200*	130
135	65.3	280.8	24,700	67.4	279.6	26,000	69.3	275.7	21,800*	135
140	64.3	278.4	23,100	66.4	277.1	24,300	68.2	273.2	21,300*	140
145	63.2	275.8	21,600	65.3	274.5	22,800	67.1	270.6	20,900*	145
150	62.1	273.1	20,200	64.2	271.9	21,300	66.0	267.9	20,500*	150
155	61.0	270.3	18,900	63.1	269.0	20,000	64.9	265.0	20,200*	155
160	59.9	267.4	17,700	62.0	266.1	18,700	63.8	262.1	19,600	160
165	58.8	264.3	16,600	60.9	263.0	17,500	62.7	258.9	18,400	165
170	57.7	261.1	15,500	59.8	259.8	16,400	61.5	255.7	17,200	170
175	56.6	257.7	14,500	58.6	256.5	15,400	60.4	252.3	16,100	175
180	55.4	254.2	13,600	57.5	253.0	14,400	59.2	248.7	15,100	180
185	54.2	250.6	12,700	56.3	249.3	13,500	58.0	245.0	14,200	185
190	53.0	246.8	11,800	55.1	245.5	12,600	56.8	241.1	13,200	190
195	51.8	242.8	11,000	53.9	241.5	11,800	55.5	237.1	12,400	195
200	50.6	238.6	10,300	52.6	237.4	11,000	54.3	232.8	11,600	200
205	49.3	234.3	9,600	51.4	233.0	10,200	53.0	228.4	10,800	205
210	48.1	229.7	8,900	50.1	228.5	9,500	51.7	223.7	10,000	210
215	46.8	225.0	8,200	48.8	223.7	8,800	50.3	218.9	9,300	215
220	45.4	220.0	7,600	47.4	218.7	8,200	48.9	213.8	8,600	220
225	44.1	214.8	7,000	46.1	213.5	7,600	47.5	208.4	8,000	225
230	42.7	209.3	6,400	44.6	208.0	7,000	46.1	202.8	7,400	230
235	41.2	203.6	5,900	43.2	202.3	6,400	44.6	196.8	6,800	235
240	39.7	197.5	5,300*	41.7	196.2	5,800	43.0	190.6	6,200	240
245	38.2	191.1	4,700*	40.1	189.7	5,300*				245
250	36.6	184.3	4,100*	38.5	182.9	4,700*				250
255				36.9	175.7	4,100*				255



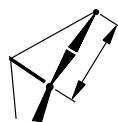
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60	80.6	315.4	34,200*							60
65	79.7	314.5	33,800*							65
70	78.7	313.4	33,500*	80.8	312.1	29,400*				70
75	77.8	312.3	33,100*	79.9	310.9	29,200*				75
80	76.9	311.1	32,700*	79.0	309.7	28,900*	80.9	306.1	27,300*	80
85	75.9	309.8	32,400*	78.0	308.5	28,700*	79.9	304.8	27,100*	85
90	75.0	308.4	32,000*	77.0	307.1	28,500*	79.0	303.4	26,900*	90
95	74.0	307.0	31,700*	76.1	305.6	28,300*	78.0	302.0	26,500*	95
100	73.0	305.4	31,400*	75.1	304.0	28,100*	77.0	300.4	25,800*	100
105	72.1	303.7	31,100*	74.1	302.4	27,900*	76.0	298.7	25,200*	105
110	71.1	302.0	30,700*	73.2	300.6	27,700*	75.1	296.9	24,600*	110
115	70.1	300.1	30,400*	72.2	298.8	27,500*	74.1	295.1	24,000*	115
120	69.1	298.2	30,100*	71.2	296.9	27,300*	73.1	293.1	23,500*	120
125	68.1	296.1	28,000	70.2	294.8	27,100*	72.0	291.0	23,000*	125
130	67.1	294.0	26,100	69.2	292.7	27,000*	71.0	288.9	22,500*	130
135	66.1	291.7	24,300	68.2	290.4	25,700	70.0	286.6	22,100*	135
140	65.1	289.4	22,700	67.2	288.1	24,000	69.0	284.2	21,600*	140
145	64.1	286.9	21,200	66.1	285.6	22,400	67.9	281.7	21,200*	145
150	63.1	284.3	19,800	65.1	283.0	21,000	66.9	279.1	20,800*	150
155	62.0	281.6	18,500	64.1	280.3	19,600	65.8	276.3	20,500*	155
160	61.0	278.8	17,300	63.0	277.5	18,400	64.7	273.5	19,300	160
165	59.9	275.8	16,200	61.9	274.6	17,200	63.7	270.5	18,100	165
170	58.8	272.8	15,100	60.9	271.5	16,100	62.6	267.4	16,900	170
175	57.8	269.6	14,100	59.8	268.3	15,000	61.4	264.1	15,800	175
180	56.6	266.2	13,100	58.7	265.0	14,000	60.3	260.7	14,800	180
185	55.5	262.7	12,300	57.5	261.5	13,100	59.2	257.2	13,800	185
190	54.4	259.1	11,400	56.4	257.9	12,200	58.0	253.5	12,900	190
195	53.3	255.3	10,600	55.2	254.1	11,400	56.8	249.7	12,000	195
200	52.1	251.4	9,900	54.1	250.1	10,600	55.7	245.6	11,200	200
205	50.9	247.3	9,100	52.9	246.0	9,900	54.4	241.4	10,400	205
210	49.7	243.0	8,500	51.7	241.7	9,100	53.2	237.1	9,700	210
215	48.5	238.5	7,800	50.4	237.2	8,500	51.9	232.5	9,000	215
220	47.2	233.8	7,200	49.2	232.6	7,800	50.6	227.7	8,300	220
225	45.9	228.9	6,600	47.9	227.7	7,200	49.3	222.7	7,600	225
230	44.6	223.8	6,000	46.6	222.5	6,600	48.0	217.4	7,000	230
235	43.3	218.5	5,400*	45.2	217.2	6,000	46.6	211.9	6,400	235
240	41.9	212.8	4,800*	43.8	211.5	5,500*	45.2	206.2	5,800	240
245	40.5	206.9	4,200*	42.4	205.6	4,800*	43.7	200.1	5,300*	245
250				40.9	199.4	4,200*	42.2	193.6	4,600*	250



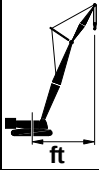
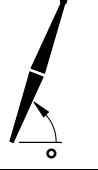
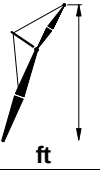
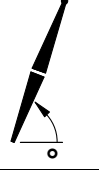
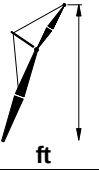
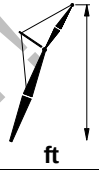
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	79.9	179.4	30,400*							40
45	78.2	178.3	29,800*							45
50	76.6	177.0	29,300*	80.6	175.8	27,400*				50
55	74.9	175.6	28,800*	78.9	174.4	26,800*				55
60	73.1	174.0	28,300*	77.2	172.8	26,200*				60
65	71.4	172.3	27,600*	75.4	171.0	25,600*	79.6	168.0	23,500*	65
70	69.6	170.4	26,900*	73.6	169.1	25,100*	77.8	166.0	22,400*	70
75	67.9	168.3	26,200*	71.9	167.0	24,500*	76.0	163.9	21,300*	75
80	66.1	166.0	25,600*	70.0	164.7	24,000*	74.1	161.5	20,400*	80
85	64.2	163.5	25,000*	68.2	162.2	23,500*	72.2	159.0	19,500*	85
90	62.4	160.9	24,400*	66.3	159.5	23,100*	70.3	156.2	18,700*	90
95	60.5	158.0	23,800*	64.4	156.6	22,600*	68.4	153.2	18,000*	95
100	58.6	154.8	23,300*	62.5	153.4	22,200*	66.4	150.0	17,300*	100
105	56.6	151.5	22,800*	60.5	150.0	21,800*	64.3	146.5	16,700*	105
110	54.6	147.9	22,300*	58.4	146.4	21,000*	62.2	142.8	16,100*	110
115	52.5	144.0	21,800*	56.3	142.4	20,100*	60.1	138.7	15,600*	115
120	50.4	139.8	21,400*	54.2	138.2	19,300*	57.8	134.3	15,100*	120
125	48.1	135.2	20,900*	51.9	133.6	18,600*	55.5	129.6	14,600*	125
130	45.8	130.3	20,500*	49.6	128.6	17,900*	53.1	124.4	14,200*	130
135	43.5	125.0	20,100*	47.2	123.2	17,300*	50.6	118.8	13,800*	135
140	40.9	119.2	19,700*	44.6	117.3	16,700*	47.9	112.7	13,500*	140
145	38.3	112.8	19,100*	41.9	110.8	16,200*	45.1	105.9	13,200*	145
150	35.5	105.8	18,400*	39.0	103.6	15,700*	42.1	98.3	12,900*	150
155	32.4	97.9	17,700*	35.9	95.6	15,300*				155
160	29.1	89.0	17,100*	32.5	86.4	14,800*				160
165	25.3	78.6	16,500*							165
170	20.8	65.9	16,000*							170

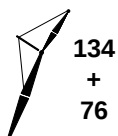


114.8 ft

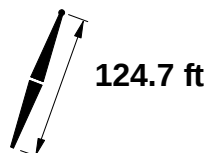


70.0 ft

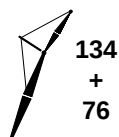
	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	80.5	189.4	30,500*							40
45	78.9	188.4	29,900*							45
50	77.3	187.2	29,400*							50
55	75.7	185.9	28,900*	79.5	184.6	26,900*				55
60	74.1	184.4	28,400*	77.9	183.1	26,400*				60
65	72.4	182.7	27,900*	76.2	181.4	25,800*	80.2	178.3	23,800*	65
70	70.8	180.9	27,200*	74.6	179.6	25,300*	78.5	176.4	22,800*	70
75	69.1	179.0	26,600*	72.9	177.7	24,800*	76.8	174.4	21,800*	75
80	67.4	176.8	26,000*	71.2	175.5	24,300*	75.0	172.2	20,800*	80
85	65.7	174.5	25,400*	69.5	173.2	23,800*	73.3	169.9	20,000*	85
90	64.0	172.0	24,800*	67.7	170.6	23,400*	71.5	167.3	19,200*	90
95	62.2	169.3	24,300*	65.9	167.9	23,000*	69.7	164.5	18,500*	95
100	60.4	166.4	23,700*	64.1	165.0	22,500*	67.8	161.5	17,800*	100
105	58.6	163.3	23,200*	62.3	161.9	22,100*	66.0	158.3	17,200*	105
110	56.7	160.0	22,800*	60.4	158.5	21,700*	64.0	154.9	16,600*	110
115	54.8	156.4	22,300*	58.5	154.9	21,000*	62.1	151.2	16,100*	115
120	52.9	152.6	21,900*	56.5	151.0	20,200*	60.0	147.2	15,600*	120
125	50.9	148.4	21,400*	54.5	146.8	19,400*	57.9	142.9	15,100*	125
130	48.8	144.0	21,000*	52.4	142.3	18,700*	55.8	138.3	14,700*	130
135	46.7	139.2	20,600*	50.2	137.5	18,100*	53.5	133.3	14,300*	135
140	44.4	134.1	20,200*	48.0	132.3	17,500*	51.2	127.9	13,900*	140
145	42.1	128.5	19,900*	45.6	126.6	17,000*	48.7	122.0	13,600*	145
150	39.7	122.4	19,500*	43.1	120.5	16,400*	46.2	115.5	13,300*	150
155	37.1	115.8	18,800*	40.5	113.7	16,000*	43.4	108.4	13,000*	155
160	34.3	108.5	18,200*	37.7	106.2	15,500*				160
165	31.4	100.3	17,500*	34.6	97.8	15,100*				165
170	28.1	91.0	16,900*	31.3	88.3	14,700*				170
175	24.4	80.2	16,400*							175
180	20.1	67.1	15,900*							180



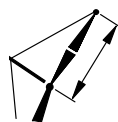
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	81.0	199.4	30,600*							40
45	79.5	198.4	30,000*							45
50	77.9	197.3	29,500*							50
55	76.4	196.1	29,000*	80.1	194.8	27,100*				55
60	74.9	194.7	28,600*	78.5	193.3	26,500*				60
65	73.4	193.1	28,100*	77.0	191.8	26,000*	80.7	188.6	23,900*	65
70	71.8	191.4	27,500*	75.4	190.1	25,500*	79.1	186.8	23,200*	70
75	70.2	189.6	26,900*	73.8	188.2	25,000*	77.5	184.9	22,200*	75
80	68.6	187.6	26,300*	72.2	186.2	24,500*	75.9	182.9	21,300*	80
85	67.0	185.4	25,700*	70.6	184.0	24,100*	74.2	180.6	20,400*	85
90	65.4	183.0	25,200*	69.0	181.6	23,700*	72.6	178.2	19,600*	90
95	63.8	180.5	24,600*	67.3	179.1	23,200*	70.9	175.6	18,900*	95
100	62.1	177.8	24,100*	65.6	176.4	22,800*	69.1	172.8	18,300*	100
105	60.4	174.9	23,700*	63.9	173.4	22,400*	67.4	169.9	17,600*	105
110	58.7	171.8	23,200*	62.1	170.3	22,100*	65.6	166.7	17,100*	110
115	56.9	168.5	22,700*	60.4	167.0	21,700*	63.8	163.2	16,500*	115
120	55.1	165.0	22,300*	58.5	163.4	21,000*	61.9	159.6	16,000*	120
125	53.2	161.2	21,900*	56.7	159.6	20,300*	60.0	155.6	15,600*	125
130	51.3	157.1	21,500*	54.8	155.5	19,500*	58.0	151.4	15,100*	130
135	49.4	152.8	21,100*	52.8	151.1	18,900*	56.0	146.9	14,700*	135
140	47.4	148.1	20,700*	50.8	146.4	18,300*	53.9	142.0	14,400*	140
145	45.3	143.1	20,300*	48.6	141.3	17,700*	51.7	136.8	14,000*	145
150	43.1	137.7	20,000*	46.4	135.8	17,100*	49.4	131.1	13,700*	150
155	40.9	131.9	19,700*	44.2	129.9	16,600*	47.1	125.0	13,400*	155
160	38.5	125.6	19,200*	41.7	123.5	16,200*	44.5	118.3	13,100*	160
165	36.0	118.7	18,500*	39.2	116.5	15,700*	41.9	110.9	12,900*	165
170	33.3	111.1	17,900*	36.4	108.7	15,300*				170
175	30.4	102.6	17,300*	33.5	100.0	15,000*				175
180	27.2	93.0	16,800*	30.2	90.1	14,600*				180
185	23.6	81.8	16,300*							185
190	19.4	68.2	15,800*							190

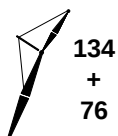


134.5 ft

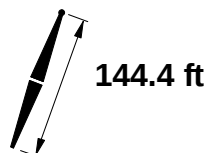


70.0 ft

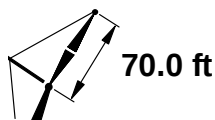
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	80.0	208.5	30,100*							45
50	78.5	207.4	29,600*							50
55	77.1	206.2	29,100*	80.5	204.9	27,200*				55
60	75.6	204.9	28,700*	79.1	203.6	26,600*				60
65	74.2	203.4	28,200*	77.6	202.1	26,100*				65
70	72.7	201.8	27,800*	76.1	200.5	25,600*	79.7	197.1	23,600*	70
75	71.2	200.1	27,200*	74.6	198.7	25,200*	78.2	195.3	22,600*	75
80	69.7	198.2	26,600*	73.1	196.8	24,700*	76.6	193.4	21,700*	80
85	68.2	196.1	26,000*	71.6	194.7	24,300*	75.1	191.3	20,800*	85
90	66.7	193.9	25,500*	70.1	192.5	23,900*	73.5	189.0	20,100*	90
95	65.1	191.5	25,000*	68.5	190.1	23,500*	71.9	186.6	19,400*	95
100	63.6	189.0	24,500*	66.9	187.5	23,100*	70.3	184.0	18,700*	100
105	62.0	186.3	24,000*	65.3	184.8	22,700*	68.6	181.2	18,100*	105
110	60.3	183.4	23,600*	63.7	181.9	22,400*	67.0	178.2	17,500*	110
115	58.7	180.3	23,100*	62.0	178.8	22,000*	65.3	175.0	17,000*	115
120	57.0	177.0	22,700*	60.3	175.4	21,600*	63.5	171.6	16,500*	120
125	55.3	173.5	22,300*	58.6	171.9	21,000*	61.8	168.0	16,000*	125
130	53.6	169.7	21,900*	56.8	168.1	20,300*	60.0	164.1	15,600*	130
135	51.8	165.7	21,500*	55.0	164.1	19,600*	58.1	159.9	15,200*	135
140	49.9	161.5	21,100*	53.1	159.8	19,000*	56.2	155.5	14,800*	140
145	48.0	156.9	20,800*	51.2	155.2	18,400*	54.2	150.8	14,400*	145
150	46.1	152.1	20,400*	49.3	150.2	17,800*	52.2	145.7	14,100*	150
155	44.0	146.9	20,100*	47.2	144.9	17,300*	50.1	140.2	13,800*	155
160	41.9	141.2	19,800*	45.1	139.2	16,800*	47.8	134.3	13,500*	160
165	39.7	135.2	19,500*	42.8	133.1	16,400*	45.5	127.9	13,200*	165
170	37.4	128.6	18,900*	40.5	126.4	16,000*	43.1	120.9	13,000*	170
175	35.0	121.5	18,300*	38.0	119.1	15,600*				175
180	32.4	113.6	17,700*	35.3	111.1	15,200*				180
185	29.5	104.8	17,200	32.4	102.1	14,800*				185
190	26.4	94.9	16,300	29.2	91.8	14,500*				190
195	22.9	83.3	15,500							195



178,000 lb
+
70,500 lb

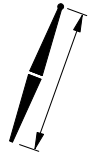
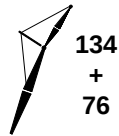


144.4 ft

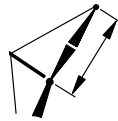


70.0 ft

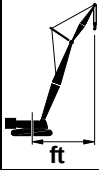
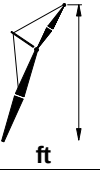
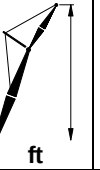
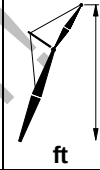
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.4	218.5	30,000*							45
50	79.1	217.5	29,600*							50
55	77.7	216.4	29,200*	81.0	215.0	27,200*				55
60	76.3	215.1	28,700*	79.6	213.7	26,700*				60
65	74.9	213.7	28,300*	78.2	212.3	26,200*				65
70	73.5	212.2	27,900*	76.8	210.8	25,800*	80.2	207.4	23,700*	70
75	72.1	210.5	27,400*	75.4	209.1	25,300*	78.7	205.7	23,000*	75
80	70.7	208.7	26,800*	74.0	207.3	24,900*	77.3	203.9	22,100*	80
85	69.3	206.8	26,300*	72.5	205.3	24,500*	75.8	201.9	21,200*	85
90	67.8	204.7	25,800*	71.1	203.2	24,100*	74.3	199.7	20,500*	90
95	66.4	202.4	25,300*	69.6	201.0	23,700*	72.8	197.4	19,800*	95
100	64.9	200.1	24,800*	68.1	198.6	23,300*	71.3	195.0	19,100*	100
105	63.4	197.5	24,300*	66.6	196.0	23,000*	69.8	192.3	18,500*	105
110	61.9	194.8	23,900*	65.0	193.2	22,600*	68.2	189.5	17,900*	110
115	60.3	191.9	23,500*	63.5	190.3	22,300*	66.6	186.5	17,400*	115
120	58.7	188.8	23,100*	61.9	187.2	21,900*	65.0	183.4	16,900*	120
125	57.1	185.5	22,700*	60.3	183.9	21,600*	63.3	180.0	16,400*	125
130	55.5	182.0	22,300*	58.6	180.4	21,100*	61.7	176.4	16,000*	130
135	53.8	178.3	21,900*	57.0	176.6	20,400*	59.9	172.5	15,600*	135
140	52.1	174.4	21,500*	55.2	172.7	19,700*	58.2	168.5	15,200*	140
145	50.4	170.2	21,200*	53.5	168.4	19,100*	56.4	164.1	14,800*	145
150	48.6	165.7	20,800*	51.7	163.9	18,500*	54.5	159.5	14,500*	150
155	46.8	161.0	20,500*	49.8	159.1	18,000*	52.6	154.5	14,100*	155
160	44.9	155.9	20,200*	47.9	154.0	17,500*	50.6	149.2	13,800*	160
165	42.9	150.5	19,900*	45.9	148.5	17,000*	48.5	143.5	13,600*	165
170	40.8	144.7	19,500	43.8	142.6	16,600*	46.4	137.4	13,300*	170
175	38.7	138.4	18,500	41.6	136.2	16,200*	44.1	130.8	13,100*	175
180	36.4	131.6	17,600	39.3	129.3	15,800*	41.7	123.5	12,900*	180
185	34.0	124.2	16,700	36.9	121.7	15,400*				185
190	31.5	116.0	15,800	34.3	113.4	15,100*				190
195	28.7	107.0	15,000	31.4	104.1	14,700*				195
200	25.7	96.7	14,200							200
205	22.2	84.8	13,500							205

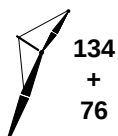


154.2 ft

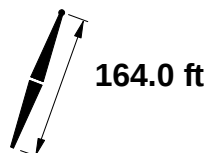


70.0 ft

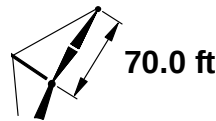
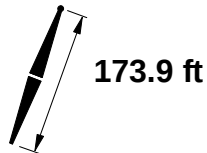
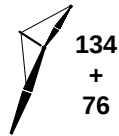
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
45		80.9	228.5	29,800*						45
50		79.6	227.6	29,500*						50
55		78.2	226.5	29,200*						55
60		76.9	225.3	28,700*	80.1	223.9	26,800*			60
65		75.6	223.9	28,300*	78.7	222.5	26,300*			65
70		74.3	222.5	27,800*	77.4	221.1	25,900*	80.6	217.6	23,800*
75		72.9	220.9	27,400*	76.1	219.5	25,500*	79.3	216.0	23,300*
80		71.6	219.2	27,000*	74.7	217.8	25,000*	77.9	214.3	22,400*
85		70.2	217.3	26,500*	73.3	215.9	24,600*	76.5	212.4	21,600*
90		68.9	215.4	26,000*	71.9	213.9	24,300*	75.1	210.3	20,900*
95		67.5	213.2	25,600*	70.5	211.8	23,900*	73.7	208.2	20,200*
100		66.1	211.0	25,100*	69.1	209.5	23,500*	72.2	205.8	19,500*
105		64.6	208.6	24,600*	67.7	207.0	23,200*	70.8	203.4	18,900*
110		63.2	206.0	24,200*	66.3	204.4	22,800*	69.3	200.7	18,300*
115		61.7	203.2	23,800*	64.8	201.7	22,500*	67.8	197.9	17,800*
120		60.3	200.3	23,400*	63.3	198.8	22,200*	66.3	194.9	17,300*
125		58.8	197.3	23,000*	61.8	195.7	21,900*	64.7	191.7	16,800*
130		57.2	194.0	22,600*	60.2	192.4	21,500*	63.2	188.4	16,400*
135		55.7	190.5	22,200*	58.7	188.9	21,100*	61.6	184.8	15,900*
140		54.1	186.9	21,900*	57.1	185.2	20,400*	59.9	181.0	15,600*
145		52.5	183.0	21,500*	55.4	181.2	19,800*	58.2	177.0	15,200*
150		50.8	178.9	21,200*	53.8	177.1	19,200*	56.5	172.7	14,800*
155		49.1	174.5	20,900*	52.0	172.7	18,600*	54.8	168.2	14,500*
160		47.4	169.8	20,500*	50.3	168.0	18,100*	52.9	163.3	14,200*
165		45.6	164.9	20,200	48.5	162.9	17,600*	51.1	158.2	13,900*
170		43.7	159.6	19,100	46.6	157.6	17,200*	49.1	152.7	13,600*
175		41.8	154.0	18,100	44.6	151.9	16,700*	47.1	146.8	13,400*
180		39.8	148.0	17,200	42.6	145.8	16,300*	45.0	140.4	13,200*
185		37.7	141.5	16,300	40.5	139.2	16,000*	42.8	133.5	12,900*
190		35.5	134.4	15,400	38.2	132.0	15,600*			
195		33.2	126.8	14,600	35.8	124.2	15,000			
200		30.7	118.4	13,900	33.3	115.6	14,200			
205		28.0	109.0	13,100	30.5	106.0	13,400			
210		25.0	98.5	12,400						
215		21.6	86.2	11,800						



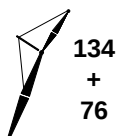
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.0	237.6	29,300*							50
55	78.8	236.6	29,000*							55
60	77.5	235.4	28,600*	80.5	234.0	26,800*				60
65	76.2	234.1	28,200*	79.2	232.7	26,400*				65
70	75.0	232.7	27,800*	78.0	231.3	26,000*				70
75	73.7	231.2	27,400*	76.7	229.8	25,600*	79.8	226.3	23,500*	75
80	72.4	229.6	27,000*	75.4	228.1	25,200*	78.4	224.6	22,800*	80
85	71.1	227.8	26,600*	74.1	226.4	24,800*	77.1	222.8	22,000*	85
90	69.8	226.0	26,200*	72.8	224.5	24,400*	75.8	220.9	21,200*	90
95	68.5	223.9	25,800*	71.4	222.4	24,000*	74.4	218.8	20,500*	95
100	67.1	221.8	25,300*	70.1	220.3	23,700*	73.1	216.6	19,900*	100
105	65.8	219.5	24,900*	68.7	218.0	23,400*	71.7	214.3	19,300*	105
110	64.4	217.1	24,500*	67.4	215.5	23,000*	70.3	211.8	18,700*	110
115	63.0	214.5	24,100*	66.0	212.9	22,700*	68.9	209.1	18,200*	115
120	61.7	211.7	23,700*	64.6	210.1	22,400*	67.4	206.3	17,700*	120
125	60.2	208.8	23,300*	63.1	207.2	22,100*	66.0	203.3	17,200*	125
130	58.8	205.7	22,900*	61.7	204.1	21,800*	64.5	200.1	16,700*	130
135	57.3	202.5	22,500*	60.2	200.8	21,500*	63.0	196.8	16,300*	135
140	55.9	199.1	22,200*	58.7	197.4	21,100*	61.5	193.2	15,900*	140
145	54.3	195.4	21,900*	57.2	193.7	20,500*	59.9	189.5	15,500*	145
150	52.8	191.6	21,500*	55.6	189.8	19,900*	58.3	185.5	15,200*	150
155	51.2	187.5	21,200*	54.0	185.7	19,300*	56.7	181.3	14,900*	155
160	49.6	183.2	20,900*	52.4	181.4	18,800*	55.0	176.8	14,600*	160
165	47.9	178.7	19,800	50.7	176.8	18,300*	53.3	172.1	14,300*	165
170	46.2	173.8	18,800	49.0	171.9	17,800*	51.5	167.1	14,000*	170
175	44.5	168.7	17,800	47.2	166.7	17,300*	49.7	161.7	13,700*	175
180	42.7	163.2	16,800	45.4	161.1	16,900*	47.8	156.0	13,500*	180
185	40.8	157.4	15,900	43.5	155.2	16,400	45.8	149.9	13,200*	185
190	38.8	151.2	15,100	41.5	148.9	15,600	43.7	143.3	13,000*	190
195	36.8	144.4	14,300	39.4	142.1	14,700	41.6	136.2	12,800*	195
200	34.6	137.2	13,500	37.2	134.7	13,900				200
205	32.3	129.3	12,800	34.9	126.6	13,200				205
210	29.9	120.7	12,100	32.4	117.8	12,400				210
215	27.2	111.0	11,400	29.6	107.9	11,700				215
220	24.3	100.1	10,800							220
225	21.0	87.5	10,200							225



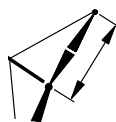
	5°			15°			25°			
	ft	ft	lb	ft	lb	lb	ft	lb	ft	
50	80.4	247.6	29,100*							50
55	79.2	246.6	28,800*							55
60	78.0	245.5	28,500*	80.9	244.1	26,800*				60
65	76.8	244.3	28,100*	79.7	242.9	26,400*				65
70	75.6	243.0	27,700*	78.5	241.5	26,000*				70
75	74.4	241.5	27,400*	77.2	240.1	25,600*	80.2	236.5	23,500*	75
80	73.1	240.0	26,900*	76.0	238.5	25,200*	78.9	234.9	23,100*	80
85	71.9	238.3	26,500*	74.7	236.8	24,900*	77.7	233.2	22,300*	85
90	70.6	236.5	26,300*	73.5	235.0	24,500*	76.4	231.4	21,600*	90
95	69.4	234.6	25,900*	72.2	233.1	24,200*	75.1	229.4	20,900*	95
100	68.1	232.5	25,400*	70.9	231.0	23,800*	73.8	227.3	20,200*	100
105	66.8	230.3	25,100*	69.7	228.8	23,500*	72.5	225.1	19,600*	105
110	65.5	228.0	24,700*	68.4	226.5	23,200*	71.2	222.7	19,000*	110
115	64.2	225.6	24,300*	67.0	224.0	22,900*	69.8	220.2	18,500*	115
120	62.9	223.0	23,900*	65.7	221.4	22,600*	68.5	217.5	18,000*	120
125	61.6	220.2	23,500*	64.3	218.6	22,300*	67.1	214.7	17,500*	125
130	60.2	217.3	23,200*	63.0	215.7	22,000*	65.7	211.7	17,100*	130
135	58.8	214.2	22,800*	61.6	212.6	21,700*	64.3	208.5	16,700*	135
140	57.4	211.0	22,500*	60.2	209.3	21,400*	62.8	205.2	16,300*	140
145	56.0	207.6	22,100*	58.7	205.8	21,100*	61.4	201.7	15,900*	145
150	54.6	204.0	21,800*	57.3	202.2	20,500*	59.9	197.9	15,500*	150
155	53.1	200.2	21,500*	55.8	198.4	19,900*	58.4	194.0	15,200*	155
160	51.6	196.1	20,500	54.3	194.3	19,400*	56.8	189.9	14,900*	160
165	50.0	191.9	19,400	52.7	190.0	18,900*	55.2	185.5	14,600*	165
170	48.5	187.4	18,400	51.1	185.5	18,400*	53.6	180.8	14,300*	170
175	46.8	182.7	17,400	49.5	180.7	17,900*	51.9	175.9	14,000*	175
180	45.2	177.7	16,400	47.8	175.7	17,000	50.2	170.7	13,800*	180
185	43.5	172.4	15,500	46.1	170.3	16,100	48.4	165.2	13,500*	185
190	41.7	166.7	14,700	44.3	164.6	15,200	46.5	159.2	13,300*	190
195	39.8	160.7	13,900	42.4	158.5	14,400	44.6	152.9	13,100*	195
200	37.9	154.3	13,100	40.5	151.9	13,600	42.5	146.1	12,900*	200
205	35.9	147.3	12,400	38.4	144.9	12,800				205
210	33.8	139.9	11,700	36.3	137.3	12,100				210
215	31.6	131.8	11,100	34.0	129.0	11,400				215
220	29.2	122.9	10,400	31.5	119.8	10,700				220
225	26.6	113.0	9,800							225
230	23.7	101.8	9,200							230
235	20.4	88.7	8,700							235



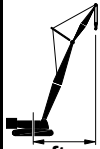
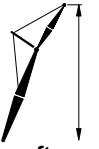
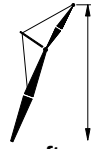
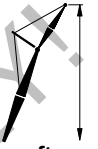
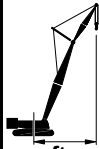
178,000 lb
+
70,500 lb

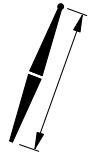
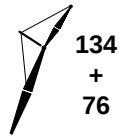


183.7 ft

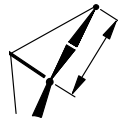


70.0 ft

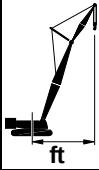
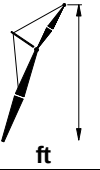
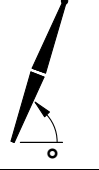
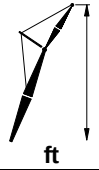
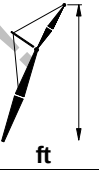
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50		80.8	257.6	28,900*						50
55		79.6	256.7	28,600*						55
60		78.5	255.6	28,400*						60
65		77.3	254.4	28,000*	80.1	253.0	26,400*			65
70		76.2	253.2	27,600*	78.9	251.7	26,100*			70
75		75.0	251.8	27,300*	77.8	250.3	25,700*	80.6	246.7	23,500*
80		73.8	250.3	26,900*	76.6	248.8	25,300*	79.4	245.2	23,300*
85		72.6	248.7	26,500*	75.4	247.2	25,000*	78.2	243.5	22,600*
90		71.4	247.0	26,100*	74.2	245.5	24,600*	77.0	241.8	21,900*
95		70.2	245.1	25,800*	73.0	243.6	24,300*	75.7	239.9	21,200*
100		69.0	243.2	25,400*	71.7	241.6	24,000*	74.5	237.9	20,600*
105		67.8	241.1	25,100*	70.5	239.5	23,600*	73.2	235.8	20,000*
110		66.6	238.9	24,700*	69.3	237.3	23,300*	72.0	233.5	19,400*
115		65.3	236.5	24,400*	68.0	234.9	23,000*	70.7	231.1	18,900*
120		64.0	234.1	24,100*	66.7	232.5	22,700*	69.4	228.6	18,400*
125		62.8	231.4	23,800*	65.5	229.8	22,500*	68.1	225.9	17,900*
130		61.5	228.7	23,400*	64.2	227.0	22,200*	66.8	223.1	17,400*
135		60.2	225.8	23,100*	62.8	224.1	21,900*	65.4	220.1	17,000*
140		58.9	222.7	22,700*	61.5	221.0	21,600*	64.1	216.9	16,600*
145		57.5	219.5	22,400*	60.1	217.8	21,400*	62.7	213.6	16,200*
150		56.1	216.1	22,100*	58.8	214.3	21,100*	61.3	210.1	15,900*
155		54.8	212.5	21,300	57.4	210.7	20,500*	59.9	206.4	15,500*
160		53.3	208.7	20,100	55.9	206.9	20,000*	58.4	202.5	15,200*
165		51.9	204.8	18,900	54.5	202.9	19,400*	56.9	198.4	14,900*
170		50.4	200.6	17,900	53.0	198.7	18,600	55.4	194.1	14,600*
175		48.9	196.2	16,900	51.5	194.3	17,600	53.8	189.6	14,400*
180		47.4	191.6	15,900	49.9	189.6	16,600	52.2	184.7	14,100*
185		45.8	186.7	15,000	48.3	184.6	15,600	50.6	179.7	13,800*
190		44.2	181.5	14,200	46.7	179.4	14,800	48.9	174.2	13,600*
195		42.5	176.0	13,400	45.0	173.8	13,900	47.1	168.5	13,400*
200		40.8	170.1	12,600	43.2	167.9	13,100	45.3	162.4	13,200*
205		39.0	163.9	11,900	41.4	161.6	12,400	43.4	155.9	12,800
210		37.1	157.3	11,200	39.5	154.9	11,700	41.4	148.8	12,000
215		35.1	150.2	10,600	37.5	147.6	11,000			
220		33.0	142.5	9,900	35.4	139.8	10,300			
225		30.8	134.1	9,300	33.1	131.2	9,700			
230		28.5	125.0	8,800	30.7	121.9	9,100			
235		25.9	114.8	8,200						
240		23.1	103.3	7,700						
245		19.9	89.9	7,200						

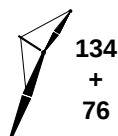


193.6 ft

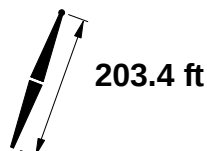


70.0 ft

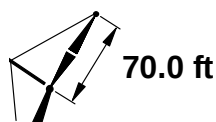
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.0	266.7	28,400*							55
60	78.9	265.7	28,100*							60
65	77.8	264.6	27,900*	80.5	263.1	26,400*				65
70	76.7	263.3	27,500*	79.4	261.8	26,100*				70
75	75.6	262.0	27,200*	78.2	260.5	25,700*	81.0	256.9	23,500*	75
80	74.4	260.6	26,800*	77.1	259.1	25,300*	79.8	255.4	23,300*	80
85	73.3	259.0	26,400*	75.9	257.5	25,000*	78.7	253.8	22,900*	85
90	72.2	257.4	26,100*	74.8	255.9	24,700*	77.5	252.2	22,200*	90
95	71.0	255.6	25,700*	73.6	254.1	24,400*	76.3	250.4	21,500*	95
100	69.8	253.8	25,400*	72.5	252.2	24,000*	75.1	248.4	20,900*	100
105	68.7	251.8	25,000*	71.3	250.2	23,700*	73.9	246.4	20,300*	105
110	67.5	249.6	24,700*	70.1	248.1	23,400*	72.7	244.2	19,700*	110
115	66.3	247.4	24,400*	68.9	245.8	23,200*	71.5	241.9	19,200*	115
120	65.1	245.0	24,000*	67.7	243.4	22,900*	70.3	239.5	18,700*	120
125	63.9	242.6	23,700*	66.5	240.9	22,600*	69.0	237.0	18,200*	125
130	62.6	239.9	23,400*	65.2	238.3	22,300*	67.8	234.3	17,800*	130
135	61.4	237.2	23,100*	64.0	235.5	22,100*	66.5	231.4	17,300*	135
140	60.1	234.2	22,900*	62.7	232.6	21,800*	65.2	228.5	16,900*	140
145	58.9	231.2	22,600*	61.4	229.5	21,600*	63.9	225.3	16,600*	145
150	57.6	228.0	22,100*	60.1	226.2	21,300*	62.6	222.0	16,200*	150
155	56.3	224.6	20,800	58.8	222.8	21,100*	61.2	218.5	15,900*	155
160	54.9	221.0	19,600	57.5	219.2	20,500	59.8	214.9	15,500*	160
165	53.6	217.3	18,500	56.1	215.5	19,300	58.4	211.0	15,200*	165
170	52.2	213.4	17,400	54.7	211.5	18,200	57.0	207.0	14,900*	170
175	50.8	209.3	16,400	53.3	207.4	17,200	55.6	202.7	14,700*	175
180	49.4	204.9	15,500	51.8	203.0	16,200	54.1	198.3	14,400*	180
185	47.9	200.4	14,600	50.3	198.4	15,300	52.6	193.5	14,100*	185
190	46.4	195.6	13,800	48.8	193.5	14,400	51.0	188.5	13,900*	190
195	44.8	190.5	13,000	47.2	188.4	13,600	49.4	183.3	13,700*	195
200	43.2	185.1	12,200	45.6	183.0	12,800	47.7	177.7	13,300	200
205	41.6	179.5	11,500	44.0	177.2	12,000	46.0	171.8	12,500	205
210	39.9	173.5	10,800	42.2	171.1	11,300	44.2	165.5	11,700	210
215	38.1	167.1	10,200	40.4	164.7	10,600	42.4	158.7	11,000	215
220	36.3	160.2	9,500	38.6	157.7	10,000				220
225	34.4	152.9	8,900	36.6	150.3	9,300				225
230	32.3	145.0	8,400	34.5	142.2	8,700				230
235	30.2	136.4	7,800	32.3	133.5	8,100				235
240	27.8	127.1	7,300	30.0	123.8	7,600				240
245	25.3	116.6	6,800							245
250	22.5	104.8	6,300							250
255	19.4	91.0	5,800							255



178,000 lb
+
70,500 lb

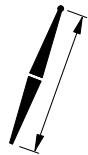
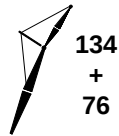


203.4 ft

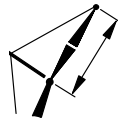


70.0 ft

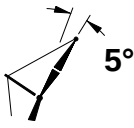
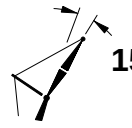
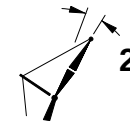
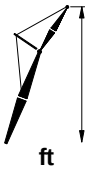
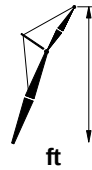
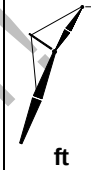
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.4	276.7	28,100*							55
60	79.3	275.7	27,900*							60
65	78.3	274.7	27,600*	80.8	273.2	26,400*				65
70	77.2	273.5	27,300*	79.8	272.0	26,000*				70
75	76.1	272.2	27,000*	78.7	270.7	25,700*				75
80	75.0	270.8	26,700*	77.6	269.3	25,400*	80.2	265.6	23,300*	80
85	73.9	269.4	26,300*	76.5	267.8	25,000*	79.1	264.1	23,100*	85
90	72.8	267.8	26,000*	75.4	266.2	24,700*	78.0	262.5	22,500*	90
95	71.7	266.1	25,600*	74.3	264.5	24,400*	76.8	260.8	21,800*	95
100	70.6	264.3	25,300*	73.1	262.7	24,100*	75.7	258.9	21,200*	100
105	69.5	262.4	25,000*	72.0	260.8	23,800*	74.6	257.0	20,600*	105
110	68.3	260.3	24,600*	70.9	258.8	23,500*	73.4	254.9	20,000*	110
115	67.2	258.2	24,300*	69.7	256.6	23,300*	72.2	252.7	19,500*	115
120	66.1	255.9	24,000*	68.6	254.3	23,000*	71.1	250.4	19,000*	120
125	64.9	253.6	23,700*	67.4	251.9	22,700*	69.9	248.0	18,500*	125
130	63.7	251.0	23,400*	66.2	249.4	22,500*	68.7	245.4	18,100*	130
135	62.5	248.4	23,400*	65.0	246.7	22,200*	67.5	242.7	17,700*	135
140	61.3	245.6	22,900*	63.8	243.9	22,000*	66.2	239.9	17,300*	140
145	60.1	242.7	22,800*	62.6	241.0	21,700*	65.0	236.9	16,900*	145
150	58.9	239.7	21,800	61.4	237.9	21,500*	63.7	233.7	16,500*	150
155	57.7	236.5	20,500	60.1	234.7	21,200*	62.4	230.4	16,200*	155
160	56.4	233.1	19,300	58.8	231.3	20,200	61.1	227.0	15,800*	160
165	55.1	229.6	18,100	57.5	227.8	19,000	59.8	223.4	15,500*	165
170	53.8	225.9	17,100	56.2	224.0	17,900	58.5	219.5	15,200*	170
175	52.5	222.0	16,100	54.9	220.1	16,900	57.1	215.5	15,000*	175
180	51.1	217.9	15,100	53.5	216.0	15,900	55.7	211.3	14,700*	180
185	49.7	213.6	14,200	52.1	211.7	14,900	54.3	206.9	14,400*	185
190	48.3	209.2	13,400	50.7	207.2	14,100	52.8	202.3	14,200*	190
195	46.9	204.4	12,600	49.2	202.4	13,200	51.4	197.4	13,800	195
200	45.4	199.5	11,800	47.8	197.4	12,400	49.8	192.2	13,000	200
205	43.9	194.2	11,100	46.2	192.1	11,700	48.2	186.8	12,200	205
210	42.3	188.7	10,400	44.6	186.5	11,000	46.6	181.0	11,500	210
215	40.7	182.9	9,800	43.0	180.6	10,300	44.9	174.9	10,700	215
220	39.1	176.7	9,200	41.3	174.3	9,600	43.2	168.4	10,000	220
225	37.3	170.1	8,600	39.6	167.6	9,000	41.4	161.5	9,400	225
230	35.5	163.1	8,000	37.7	160.5	8,400				230
235	33.6	155.6	7,500	35.8	152.9	7,800				235
240	31.6	147.5	6,900	33.8	144.6	7,300				240
245	29.5	138.7	6,400	31.6	135.6	6,700				245
250	27.2	129.1	5,900	29.3	125.7	6,200				250
255	24.8	118.4	5,500							255
260	22.0	106.3	5,000							260
265	18.9	92.1	4,500*							265

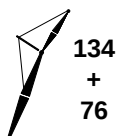


213.3 ft



70.0 ft

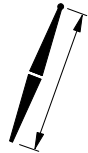
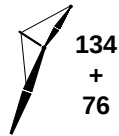
	 5°			 15°			 25°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
55	80.7	286.7	27,700*							55
60	79.7	285.8	27,600*							60
65	78.7	284.7	27,400*							65
70	77.6	283.6	27,100*	80.1	282.1	26,000*				70
75	76.6	282.4	26,800*	79.1	280.8	25,700*				75
80	75.5	281.1	26,500*	78.0	279.5	25,300*	80.6	275.8	23,300*	80
85	74.5	279.6	26,200*	77.0	278.1	25,000*	79.5	274.3	23,000*	85
90	73.4	278.1	25,800*	75.9	276.5	24,700*	78.4	272.8	22,700*	90
95	72.4	276.5	25,500*	74.8	274.9	24,400*	77.3	271.1	22,100*	95
100	71.3	274.7	25,200*	73.8	273.2	24,100*	76.2	269.4	21,500*	100
105	70.2	272.9	24,900*	72.7	271.3	23,900*	75.1	267.5	20,900*	105
110	69.1	271.0	24,500*	71.6	269.4	23,600*	74.0	265.5	20,300*	110
115	68.0	268.9	24,200*	70.5	267.3	23,300*	72.9	263.4	19,800*	115
120	66.9	266.7	23,900*	69.4	265.1	23,100*	71.8	261.2	19,300*	120
125	65.8	264.5	23,700*	68.2	262.8	22,800*	70.6	258.9	18,800*	125
130	64.7	262.1	23,400*	67.1	260.4	22,600*	69.5	256.4	18,400*	130
135	63.6	259.5	23,100*	66.0	257.9	22,300*	68.3	253.8	18,000*	135
140	62.4	256.9	22,900*	64.8	255.2	22,100*	67.2	251.1	17,600*	140
145	61.3	254.1	22,500*	63.7	252.4	21,900*	66.0	248.3	17,200*	145
150	60.1	251.2	21,400*	62.5	249.5	21,600*	64.8	245.3	16,800*	150
155	58.9	248.1	20,100	61.3	246.4	21,100	63.6	242.1	16,500*	155
160	57.7	244.9	18,900	60.1	243.2	19,800	62.3	238.9	16,100*	160
165	56.5	241.6	17,700	58.8	239.8	18,600	61.1	235.4	15,800*	165
170	55.3	238.1	16,700	57.6	236.3	17,500	59.8	231.8	15,500*	170
175	54.0	234.4	15,700	56.3	232.6	16,500	58.5	228.0	15,200*	175
180	52.7	230.6	14,700	55.1	228.7	15,500	57.2	224.1	15,000*	180
185	51.4	226.6	13,800	53.7	224.6	14,600	55.9	219.9	14,700*	185
190	50.1	222.3	13,000	52.4	220.4	13,700	54.5	215.6	14,400	190
195	48.8	217.9	12,200	51.0	215.9	12,900	53.1	211.0	13,500	195
200	47.4	213.3	11,400	49.6	211.2	12,100	51.7	206.2	12,700	200
205	46.0	208.4	10,700	48.2	206.3	11,300	50.2	201.2	11,900	205
210	44.5	203.3	10,000	46.8	201.1	10,600	48.7	195.9	11,100	210
215	43.0	197.9	9,400	45.3	195.7	9,900	47.2	190.2	10,400	215
220	41.5	192.2	8,800	43.7	189.9	9,300	45.6	184.3	9,700	220
225	39.9	186.2	8,200	42.1	183.8	8,600	43.9	178.0	9,100	225
230	38.3	179.9	7,600	40.4	177.4	8,000	42.2	171.4	8,400	230
235	36.6	173.1	7,100	38.7	170.5	7,500				235
240	34.8	165.9	6,500	36.9	163.2	6,900				240
245	33.0	158.2	6,000	35.0	155.4	6,400				245
250	31.0	149.9	5,500	33.0	146.9	5,900				250
255	28.9	140.9	5,100*	30.9	137.7	5,400				255
260	26.7	131.0	4,500*							260
265	24.2	120.1	4,000*							265



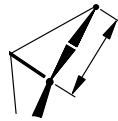
178,000 lb
+
70,500 lb



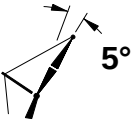
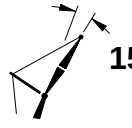
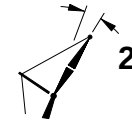
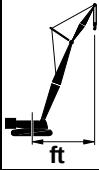
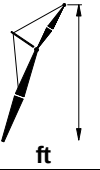
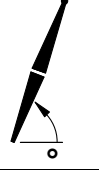
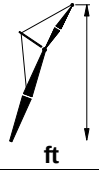
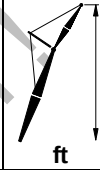
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.1	295.8	27,300*							60
65	79.1	294.8	27,100*							65
70	78.1	293.7	26,900*	80.5	292.2	26,000*				70
75	77.1	292.5	26,600*	79.4	291.0	25,600*				75
80	76.0	291.2	26,600*	78.4	289.7	25,300*	80.9	285.9	23,200*	80
85	75.0	289.9	26,000*	77.4	288.3	25,000*	79.9	284.5	23,000*	85
90	74.0	288.4	25,600*	76.4	286.8	24,700*	78.8	283.0	22,800*	90
95	73.0	286.8	25,300*	75.4	285.3	24,400*	77.8	281.4	22,400*	95
100	72.0	285.2	25,000*	74.3	283.6	24,100*	76.7	279.7	21,700*	100
105	70.9	283.4	24,700*	73.3	281.8	23,900*	75.7	277.9	21,200*	105
110	69.9	281.5	24,400*	72.2	279.9	23,600*	74.6	276.0	20,600*	110
115	68.8	279.6	24,100*	71.2	277.9	23,300*	73.5	274.0	20,100*	115
120	67.8	277.5	23,800*	70.1	275.9	23,100*	72.5	271.9	19,600*	120
125	66.7	275.3	23,500*	69.0	273.6	22,800*	71.4	269.7	19,100*	125
130	65.6	273.0	23,300*	68.0	271.3	22,600*	70.3	267.3	18,700*	130
135	64.5	270.6	23,000*	66.9	268.9	22,300*	69.2	264.8	18,300*	135
140	63.4	268.0	22,700*	65.8	266.3	22,100*	68.0	262.2	17,900*	140
145	62.3	265.4	22,200	64.6	263.7	21,900*	66.9	259.5	17,500*	145
150	61.2	262.6	20,800	63.5	260.9	21,700*	65.8	256.7	17,100*	150
155	60.1	259.7	19,500	62.4	257.9	20,600	64.6	253.7	16,800*	155
160	58.9	256.6	18,300	61.2	254.9	19,300	63.4	250.6	16,400*	160
165	57.8	253.4	17,100	60.1	251.6	18,100	62.2	247.3	16,100*	165
170	56.6	250.1	16,100	58.9	248.3	17,000	61.0	243.9	15,800*	170
175	55.4	246.6	15,100	57.7	244.8	16,000	59.8	240.3	15,500*	175
180	54.2	243.0	14,100	56.4	241.1	15,000	58.6	236.5	15,300*	180
185	53.0	239.2	13,200	55.2	237.3	14,000	57.3	232.6	14,800	185
190	51.7	235.2	12,400	53.9	233.2	13,200	56.0	228.5	13,900	190
195	50.4	231.0	11,600	52.7	229.0	12,300	54.7	224.2	13,000	195
200	49.2	226.7	10,800	51.4	224.6	11,500	53.4	219.7	12,200	200
205	47.8	222.1	10,100	50.0	220.0	10,800	52.0	215.0	11,400	205
210	46.5	217.3	9,400	48.7	215.2	10,100	50.6	210.1	10,600	210
215	45.1	212.3	8,800	47.3	210.1	9,400	49.2	204.9	9,900	215
220	43.7	207.0	8,200	45.8	204.8	8,700	47.7	199.4	9,200	220
225	42.2	201.5	7,600	44.3	199.2	8,100	46.2	193.6	8,600	225
230	40.7	195.6	7,000	42.8	193.3	7,500	44.6	187.5	7,900	230
235	39.2	189.5	6,500	41.2	187.0	6,900	43.0	181.1	7,300	235
240	37.5	182.9	5,900	39.6	180.4	6,400	41.3	174.2	6,700	240
245	35.9	176.0	5,400	37.9	173.4	5,800				245
250	34.1	168.6	4,900*	36.1	165.9	5,300				250
255	32.3	160.7	4,300*	34.3	157.8	4,700*				255
260				32.3	149.2	4,100*				260

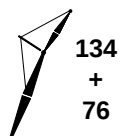


232.9 ft

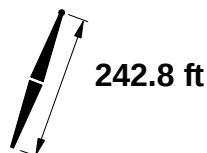


70.0 ft

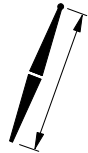
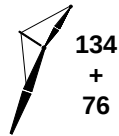
	 5°			 15°			 25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.4	305.8	27,000*							60
65	79.4	304.8	26,800*							65
70	78.5	303.8	26,600*	80.8	302.2	25,900*				70
75	77.5	302.6	26,300*	79.8	301.1	25,600*				75
80	76.5	301.4	26,100*	78.8	299.9	25,300*				80
85	75.5	300.1	25,800*	77.8	298.5	25,000*	80.2	294.7	23,000*	85
90	74.5	298.7	25,500*	76.9	297.1	24,700*	79.2	293.3	22,800*	90
95	73.6	297.2	25,200*	75.9	295.6	24,400*	78.2	291.7	22,600*	95
100	72.6	295.6	24,900*	74.9	294.0	24,100*	77.2	290.1	22,000*	100
105	71.6	293.9	24,600*	73.9	292.3	23,900*	76.2	288.4	21,400*	105
110	70.6	292.1	24,300*	72.8	290.4	23,600*	75.1	286.5	20,900*	110
115	69.5	290.2	23,900*	71.8	288.5	23,400*	74.1	284.6	20,400*	115
120	68.5	288.2	23,700*	70.8	286.5	23,100*	73.1	282.5	19,900*	120
125	67.5	286.0	23,400*	69.8	284.4	22,900*	72.0	280.4	19,400*	125
130	66.5	283.8	23,100*	68.7	282.2	22,600*	71.0	278.1	19,000*	130
135	65.4	281.5	22,900*	67.7	279.8	22,400*	69.9	275.8	18,500*	135
140	64.4	279.1	22,700*	66.6	277.4	22,200*	68.8	273.3	18,100*	140
145	63.3	276.5	22,200*	65.5	274.8	22,000*	67.7	270.7	17,800*	145
150	62.2	273.9	20,800*	64.5	272.1	21,700*	66.6	267.9	17,400*	150
155	61.2	271.1	19,500*	63.4	269.3	20,600*	65.5	265.1	17,000*	155
160	60.1	268.2	18,300*	62.3	266.4	19,300*	64.4	262.1	16,700*	160
165	59.0	265.1	17,200*	61.2	263.3	18,200*	63.3	259.0	16,400*	165
170	57.8	261.9	16,100*	60.0	260.1	17,100*	62.1	255.7	16,100*	170
175	56.7	258.6	15,100*	58.9	256.8	16,000*	61.0	252.3	15,800*	175
180	55.5	255.1	14,200*	57.7	253.3	15,000*	59.8	248.8	15,500*	180
185	54.4	251.5	13,300*	56.6	249.6	14,100*	58.6	245.0	14,900*	185
190	53.2	247.7	12,400*	55.4	245.8	13,200*	57.4	241.2	14,000*	190
195	52.0	243.8	11,600*	54.1	241.8	12,400*	56.1	237.1	13,100*	195
200	50.8	239.7	10,900*	52.9	237.7	11,600*	54.9	232.9	12,300*	200
205	49.5	235.4	10,200*	51.6	233.4	10,800*	53.6	228.4	11,500*	205
210	48.2	230.9	9,500*	50.4	228.8	10,100*	52.3	223.8	10,700*	210
215	46.9	226.2	8,800*	49.1	224.1	9,400*	50.9	218.9	10,000*	215
220	45.6	221.2	8,200*	47.7	219.1	8,800*	49.6	213.8	9,300*	220
225	44.3	216.1	7,600*	46.3	213.9	8,200*	48.1	208.5	8,700*	225
230	42.9	210.7	7,000*	44.9	208.4	7,600*	46.7	202.8	8,000*	230
235	41.4	205.0	6,500*	43.5	202.6	7,000*	45.2	196.9	7,400*	235
240	39.9	199.0	6,000*	42.0	196.6	6,500*	43.7	190.6	6,900*	240
245	38.4	192.6	5,500*	40.4	190.1	5,900*	42.1	184.0	6,300*	245
250	36.8	186.0	4,900*	38.8	183.4	5,400*				250
255	35.2	178.9	4,400*	37.2	176.2	4,900*				255
260				35.4	168.5	4,300*				260



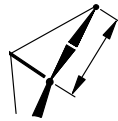
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.7	315.8	26,600*							60
65	79.8	314.9	26,400*							65
70	78.8	313.9	26,300*							70
75	77.9	312.8	26,000*	80.1	311.2	25,500*				75
80	76.9	311.6	25,800*	79.2	310.0	25,200*				80
85	76.0	310.3	25,500*	78.2	308.7	24,900*	80.5	304.9	22,900*	85
90	75.0	308.9	25,300*	77.3	307.3	24,600*	79.6	303.5	22,700*	90
95	74.1	307.5	25,000*	76.3	305.9	24,400*	78.6	302.0	22,600*	95
100	73.1	305.9	24,700*	75.4	304.3	24,100*	77.6	300.4	22,300*	100
105	72.2	304.3	24,400*	74.4	302.6	23,900*	76.6	298.7	21,700*	105
110	71.2	302.5	24,100*	73.4	300.9	23,600*	75.6	297.0	21,100*	110
115	70.2	300.7	23,800*	72.4	299.1	23,400*	74.7	295.1	20,600*	115
120	69.2	298.8	23,600*	71.4	297.1	23,100*	73.7	293.1	20,100*	120
125	68.3	296.7	23,300*	70.4	295.1	22,900*	72.6	291.1	19,700*	125
130	67.3	294.6	23,000*	69.4	292.9	22,700*	71.6	288.9	19,200*	130
135	66.3	292.4	22,800*	68.4	290.7	22,400*	70.6	286.6	18,800*	135
140	65.2	290.0	22,600*	67.4	288.3	22,200*	69.6	284.2	18,400*	140
145	64.2	287.6	21,900	66.4	285.9	22,000*	68.5	281.7	18,000*	145
150	63.2	285.0	20,500	65.4	283.3	21,600	67.5	279.1	17,700*	150
155	62.2	282.3	19,200	64.3	280.6	20,300	66.4	276.4	17,300*	155
160	61.1	279.5	17,900	63.3	277.8	19,000	65.3	273.5	17,000*	160
165	60.0	276.6	16,800	62.2	274.8	17,800	64.3	270.5	16,700*	165
170	59.0	273.6	15,700	61.1	271.8	16,700	63.2	267.4	16,400*	170
175	57.9	270.4	14,700	60.0	268.6	15,700	62.0	264.2	16,100*	175
180	56.8	267.1	13,800	58.9	265.3	14,700	60.9	260.8	15,600	180
185	55.7	263.7	12,900	57.8	261.8	13,800	59.8	257.2	14,600	185
190	54.5	260.1	12,100	56.7	258.2	12,900	58.6	253.5	13,700	190
195	53.4	256.3	11,300	55.5	254.4	12,000	57.4	249.7	12,800	195
200	52.2	252.4	10,500	54.3	250.4	11,300	56.3	245.7	12,000	200
205	51.1	248.3	9,800	53.1	246.3	10,500	55.0	241.5	11,200	205
210	49.9	244.1	9,100	51.9	242.0	9,800	53.8	237.1	10,400	210
215	48.6	239.6	8,500	50.7	237.6	9,100	52.5	232.5	9,700	215
220	47.4	235.0	7,800	49.4	232.9	8,500	51.2	227.7	9,000	220
225	46.1	230.2	7,200	48.1	228.0	7,800	49.9	222.7	8,400	225
230	44.8	225.1	6,700	46.8	222.9	7,200	48.6	217.5	7,700	230
235	43.5	219.8	6,100	45.5	217.5	6,700	47.2	212.0	7,100	235
240	42.1	214.2	5,600	44.1	211.9	6,100	45.8	206.2	6,600	240
245	40.7	208.4	5,000*	42.7	206.0	5,600	44.3	200.1	6,000	245
250	39.2	202.2	4,400*	41.2	199.8	5,000*	42.8	193.7	5,500	250
255				39.7	193.2	4,400*	41.2	186.9	4,900*	255

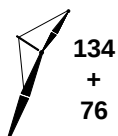


252.6 ft

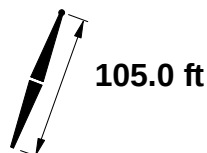


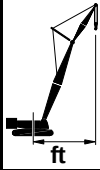
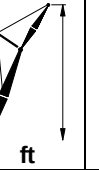
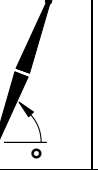
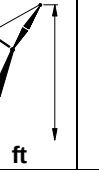
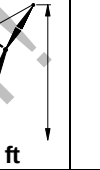
70.0 ft

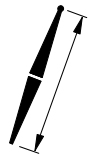
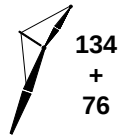
	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
60	81.0	325.8	26,100*						60	
65	80.1	324.9	26,000*						65	
70	79.2	323.9	25,900*						70	
75	78.3	322.8	25,700*	80.4	321.3	25,400*			75	
80	77.3	321.7	25,500*	79.5	320.1	25,100*			80	
85	76.4	320.5	25,200*	78.6	318.9	24,800*	80.8	315.0	22,800*	85
90	75.5	319.1	25,000*	77.7	317.5	24,600*	79.9	313.7	22,700*	90
95	74.6	317.7	24,700*	76.8	316.1	24,300*	79.0	312.2	22,500*	95
100	73.7	316.2	24,400*	75.8	314.6	24,100*	78.0	310.7	22,300*	100
105	72.7	314.6	24,200*	74.9	313.0	23,800*	77.1	309.1	21,900*	105
110	71.8	313.0	23,900*	73.9	311.3	23,600*	76.1	307.4	21,400*	110
115	70.9	311.2	23,600*	73.0	309.5	23,300*	75.2	305.6	20,900*	115
120	69.9	309.3	23,400*	72.0	307.7	23,100*	74.2	303.7	20,400*	120
125	69.0	307.4	23,400*	71.1	305.7	22,900*	73.2	301.7	19,900*	125
130	68.0	305.3	22,900*	70.1	303.6	22,600*	72.2	299.6	19,500*	130
135	67.0	303.2	22,600*	69.1	301.5	22,400*	71.3	297.4	19,100*	135
140	66.0	300.9	22,400*	68.2	299.2	22,200*	70.3	295.1	18,700*	140
145	65.1	298.5	21,400	67.2	296.8	22,000*	69.3	292.7	18,300*	145
150	64.1	296.1	20,100	66.2	294.4	21,300	68.2	290.2	17,900*	150
155	63.1	293.5	18,700	65.2	291.8	19,900	67.2	287.5	17,600*	155
160	62.1	290.8	17,500	64.2	289.1	18,700	66.2	284.8	17,200*	160
165	61.1	288.0	16,400	63.1	286.2	17,500	65.2	281.9	16,900*	165
170	60.0	285.1	15,300	62.1	283.3	16,400	64.1	279.0	16,600*	170
175	59.0	282.1	14,300	61.1	280.3	15,300	63.0	275.8	16,300	175
180	57.9	278.9	13,400	60.0	277.1	14,300	62.0	272.6	15,200	180
185	56.9	275.6	12,500	58.9	273.7	13,400	60.9	269.2	14,200	185
190	55.8	272.2	11,600	57.8	270.3	12,500	59.8	265.7	13,300	190
195	54.7	268.6	10,800	56.7	266.7	11,700	58.7	262.0	12,500	195
200	53.6	264.9	10,100	55.6	262.9	10,900	57.5	258.2	11,600	200
205	52.5	261.0	9,400	54.5	259.0	10,100	56.4	254.2	10,800	205
210	51.3	257.0	8,700	53.3	255.0	9,400	55.2	250.1	10,100	210
215	50.2	252.8	8,000	52.2	250.7	8,700	54.0	245.8	9,400	215
220	49.0	248.4	7,400	51.0	246.3	8,100	52.8	241.3	8,700	220
225	47.8	243.8	6,800	49.8	241.7	7,500	51.5	236.5	8,000	225
230	46.6	239.0	6,300	48.5	236.9	6,900	50.3	231.6	7,400	230
235	45.3	234.1	5,700	47.3	231.9	6,300	49.0	226.5	6,800	235
240	44.0	228.9	5,100*	46.0	226.6	5,700	47.6	221.1	6,200	240
245	42.7	223.4	4,500*	44.6	221.1	5,200*	46.3	215.4	5,700	245
250				43.3	215.3	4,500*	44.9	209.5	5,100*	250
255							43.4	203.3	4,400*	255



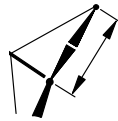
178,000 lb
+
70,500 lb



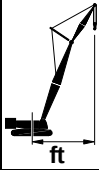
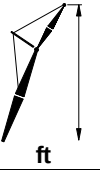
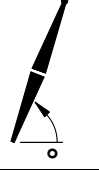
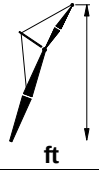
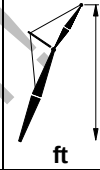
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	80.1	189.6	23,400*							40
45	78.5	188.6	23,100*							45
50	76.9	187.4	22,700*							50
55	75.3	186.1	22,300*	79.7	185.0	21,900*				55
60	73.7	184.6	21,900*	78.1	183.5	21,500*				60
65	72.0	183.0	21,500*	76.4	181.8	21,100*	81.0	178.8	20,200*	65
70	70.4	181.2	21,100*	74.8	180.0	20,800*	79.3	176.9	19,800*	70
75	68.7	179.2	20,700*	73.1	178.0	20,500*	77.6	174.9	19,400*	75
80	67.1	177.1	20,300*	71.4	175.9	20,100*	75.9	172.7	18,500*	80
85	65.3	174.8	19,900*	69.7	173.6	19,800*	74.1	170.4	17,700*	85
90	63.6	172.3	19,600*	67.9	171.1	19,500*	72.4	167.8	16,900*	90
95	61.9	169.6	19,200*	66.2	168.3	19,100*	70.6	165.0	16,200*	95
100	60.1	166.7	18,900*	64.4	165.4	18,600*	68.7	162.0	15,600*	100
105	58.2	163.6	18,600*	62.5	162.3	18,200*	66.8	158.8	15,000*	105
110	56.4	160.3	18,300*	60.6	158.9	17,800*	64.9	155.4	14,400*	110
115	54.5	156.7	18,000*	58.7	155.3	17,400*	63.0	151.7	13,900*	115
120	52.5	152.8	17,800*	56.8	151.5	17,000*	60.9	147.7	13,500*	120
125	50.5	148.7	17,400*	54.7	147.3	16,700*	58.8	143.5	13,000*	125
130	48.5	144.3	17,000*	52.6	142.8	16,200*	56.7	138.9	12,600*	130
135	46.3	139.5	16,600*	50.5	138.0	15,600*	54.5	133.9	12,200*	135
140	44.1	134.4	16,200*	48.2	132.8	15,000*	52.1	128.5	11,900*	140
145	41.8	128.8	15,800*	45.9	127.2	14,500*	49.7	122.7	11,500*	145
150	39.4	122.8	15,500*	43.4	121.0	14,000*	47.1	116.3	11,200*	150
155	36.8	116.2	15,200*	40.8	114.3	13,600*	44.4	109.2	11,000*	155
160	34.0	108.9	14,800*	38.0	106.9	13,100*	41.5	101.4	10,700*	160
165	31.1	100.7	14,600*	35.0	98.6	12,800*				165
170	27.8	91.5	14,300*	31.7	89.1	12,400*				170
175	24.2	80.8	13,800*	27.9	78.0	12,100*				175
180	19.8	67.8	13,300*							180

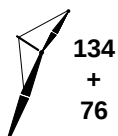


114.8 ft

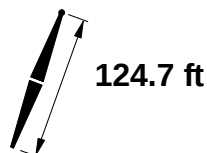


80.0 ft

	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40		80.6	199.6	23,300*						40
45		79.1	198.7	23,100*						45
50		77.6	197.5	22,700*						50
55		76.1	196.3	22,300*	80.2	195.1	21,900*			55
60		74.5	194.9	21,900*	78.7	193.7	21,500*			60
65		73.0	193.3	21,500*	77.1	192.2	21,200*			65
70		71.4	191.6	21,100*	75.6	190.5	20,800*	79.9	187.3	19,900*
75		69.9	189.8	20,700*	74.0	188.6	20,500*	78.3	185.4	19,500*
80		68.3	187.8	20,400*	72.4	186.6	20,200*	76.7	183.3	18,900*
85		66.7	185.6	20,000*	70.8	184.4	19,900*	75.0	181.1	18,100*
90		65.1	183.3	19,700*	69.2	182.0	19,600*	73.4	178.7	17,400*
95		63.4	180.8	19,300*	67.5	179.5	19,300*	71.7	176.1	16,700*
100		61.7	178.1	19,000*	65.8	176.8	19,000*	70.0	173.3	16,000*
105		60.0	175.2	18,700*	64.1	173.9	18,500*	68.2	170.3	15,400*
110		58.3	172.1	18,400*	62.4	170.7	18,200*	66.4	167.2	14,900*
115		56.5	168.8	18,100*	60.6	167.4	17,800*	64.6	163.7	14,400*
120		54.7	165.2	17,900*	58.8	163.8	17,400*	62.8	160.1	13,900*
125		52.9	161.4	17,600*	56.9	160.0	17,000*	60.8	156.2	13,400*
130		51.0	157.4	17,400*	55.0	155.9	16,700*	58.9	152.0	13,000*
135		49.1	153.0	17,100*	53.0	151.5	16,300*	56.9	147.5	12,600*
140		47.1	148.4	16,700*	51.0	146.8	15,700*	54.8	142.6	12,300*
145		45.0	143.4	16,300*	48.9	141.8	15,200*	52.6	137.4	11,900*
150		42.8	138.0	16,000*	46.7	136.4	14,700*	50.3	131.8	11,600*
155		40.6	132.2	15,600*	44.4	130.5	14,200*	48.0	125.7	11,300*
160		38.2	125.9	15,300*	42.0	124.1	13,800*	45.5	119.0	11,100*
165		35.7	119.1	15,000*	39.5	117.1	13,400*	42.8	111.7	10,800*
170		33.0	111.5	14,700*	36.8	109.4	13,000*	39.9	103.5	10,600*
175		30.1	103.0	14,400*	33.8	100.7	12,600*			
180		27.0	93.5	14,200*	30.6	90.9	12,300*			
185		23.4	82.4	13,700*						
190		19.2	68.9	13,300*						



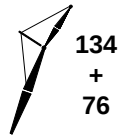
178,000 lb
+
70,500 lb



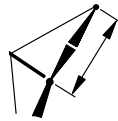
	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
40	81.0	209.6	23,200*							40
45	79.6	208.7	23,000*							45
50	78.2	207.6	22,700*							50
55	76.7	206.5	22,300*	80.7	205.3	21,900*				55
60	75.3	205.1	22,000*	79.3	203.9	21,600*				60
65	73.8	203.7	21,600*	77.8	202.4	21,200*				65
70	72.4	202.1	21,200*	76.3	200.8	20,900*	80.4	197.6	20,000*	70
75	70.9	200.3	20,800*	74.8	199.1	20,600*	78.9	195.8	19,600*	75
80	69.4	198.4	20,500*	73.3	197.2	20,300*	77.4	193.8	19,300*	80
85	67.9	196.4	20,100*	71.8	195.1	20,000*	75.8	191.7	18,500*	85
90	66.3	194.2	19,800*	70.3	192.9	19,700*	74.3	189.5	17,800*	90
95	64.8	191.8	19,400*	68.7	190.5	19,400*	72.7	187.0	17,100*	95
100	63.2	189.2	19,100*	67.1	187.9	19,200*	71.1	184.4	16,400*	100
105	61.6	186.5	18,800*	65.5	185.2	18,800*	69.4	181.6	15,800*	105
110	60.0	183.6	18,500*	63.9	182.3	18,500*	67.8	178.7	15,300*	110
115	58.4	180.6	18,200*	62.2	179.2	18,100*	66.1	175.5	14,800*	115
120	56.7	177.3	18,000*	60.5	175.9	17,700*	64.3	172.1	14,300*	120
125	55.0	173.7	17,700*	58.8	172.3	17,400*	62.6	168.5	13,800*	125
130	53.2	170.0	17,500*	57.0	168.5	17,000*	60.8	164.6	13,400*	130
135	51.4	166.0	17,300*	55.2	164.5	16,700*	58.9	160.5	13,000*	135
140	49.6	161.8	17,100*	53.4	160.2	16,400*	57.0	156.1	12,700*	140
145	47.7	157.2	16,800*	51.5	155.6	15,800*	55.0	151.3	12,300*	145
150	45.8	152.4	16,400*	49.5	150.7	15,300*	53.0	146.3	12,000*	150
155	43.7	147.2	16,100*	47.5	145.5	14,800*	50.9	140.8	11,700*	155
160	41.6	141.6	15,800*	45.3	139.8	14,400*	48.7	135.0	11,400*	160
165	39.5	135.5	15,400*	43.1	133.7	14,000*	46.4	128.6	11,200*	165
170	37.1	129.0	15,100*	40.8	127.0	13,600*	43.9	121.7	10,900*	170
175	34.7	121.9	14,900*	38.3	119.8	13,200*	41.3	114.0	10,700*	175
180	32.1	114.0	14,600*	35.6	111.8	12,800*				180
185	29.3	105.3	14,300*	32.7	102.8	12,500*				185
190	26.2	95.4	14,100*	29.5	92.7	12,200*				190
195	22.7	83.9	13,600*							195
200	18.5	69.9	13,200*							200

14000 S-3

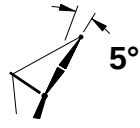
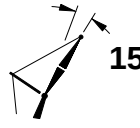
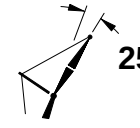
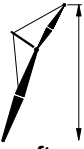
ASME B30.5

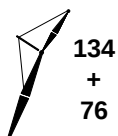


134.5 ft



80.0 ft

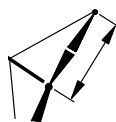
	 5°			 15°			 25°			
	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
45	80.1	218.7	22,900*							45
50	78.7	217.7	22,700*							50
55	77.4	216.6	22,300*							55
60	76.0	215.3	22,000*	79.8	214.1	21,600*				60
65	74.6	213.9	21,600*	78.4	212.7	21,200*				65
70	73.2	212.4	21,200*	77.0	211.2	20,900*	80.9	207.8	20,100*	70
75	71.8	210.7	20,900*	75.6	209.5	20,600*	79.5	206.1	19,700*	75
80	70.4	208.9	20,500*	74.1	207.7	20,300*	78.0	204.3	19,400*	80
85	68.9	207.0	20,200*	72.7	205.7	20,000*	76.5	202.3	18,900*	85
90	67.5	204.9	19,800*	71.2	203.6	19,700*	75.1	200.1	18,100*	90
95	66.0	202.7	19,500*	69.8	201.4	19,500*	73.6	197.8	17,400*	95
100	64.6	200.3	19,200*	68.3	199.0	19,200*	72.0	195.4	16,800*	100
105	63.1	197.7	18,900*	66.8	196.4	19,000*	70.5	192.8	16,200*	105
110	61.5	195.0	18,600*	65.2	193.6	18,700*	68.9	190.0	15,700*	110
115	60.0	192.1	18,300*	63.7	190.7	18,400*	67.4	187.0	15,100*	115
120	58.4	189.0	18,100*	62.1	187.6	18,000*	65.7	183.8	14,700*	120
125	56.8	185.8	17,800*	60.5	184.3	17,700*	64.1	180.4	14,200*	125
130	55.2	182.3	17,600*	58.8	180.8	17,300*	62.4	176.9	13,800*	130
135	53.5	178.6	17,400*	57.2	177.1	17,000*	60.7	173.0	13,400*	135
140	51.8	174.6	17,100*	55.4	173.1	16,700*	58.9	169.0	13,000*	140
145	50.1	170.5	16,900*	53.7	168.9	16,400*	57.1	164.6	12,700*	145
150	48.3	166.0	16,700*	51.9	164.4	15,900*	55.3	160.0	12,400*	150
155	46.5	161.3	16,500*	50.0	159.6	15,400*	53.4	155.1	12,000*	155
160	44.6	156.2	16,200*	48.1	154.5	15,000*	51.4	149.8	11,800*	160
165	42.6	150.8	15,900*	46.1	149.0	14,500*	49.3	144.1	11,500*	165
170	40.6	145.0	15,600*	44.0	143.1	14,100*	47.2	138.0	11,200*	170
175	38.4	138.7	15,300*	41.9	136.8	13,700*	44.9	131.4	11,000*	175
180	36.2	132.0	15,000*	39.6	129.9	13,400*	42.5	124.2	10,800*	180
185	33.8	124.6	14,700*	37.2	122.4	13,000*	40.0	116.3	10,600*	185
190	31.2	116.5	14,500*	34.6	114.1	12,700*				190
195	28.5	107.4	14,300*	31.7	104.8	12,400*				195
200	25.4	97.2	14,000*	28.6	94.3	12,100*				200
205	22.0	85.4	13,600*							205
210	17.9	70.9	13,200*							210



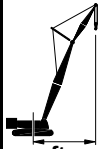
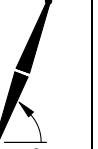
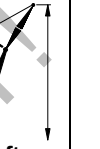
178,000 lb
+
70,500 lb

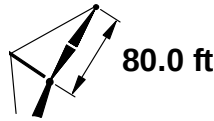
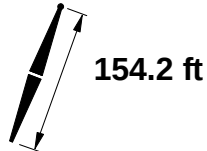
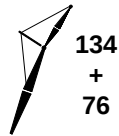


144.4 ft

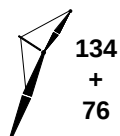


80.0 ft

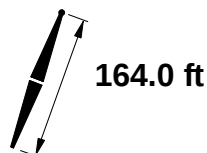
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
45	80.5	228.7	22,800*							45
50	79.2	227.8	22,600*							50
55	77.9	226.7	22,300*							55
60	76.6	225.5	22,000*	80.2	224.2	21,600*				60
65	75.3	224.2	21,600*	78.9	222.9	21,200*				65
70	74.0	222.7	21,300*	77.6	221.4	20,900*				70
75	72.6	221.1	20,900*	76.2	219.8	20,600*	80.0	216.4	19,800*	75
80	71.3	219.4	20,600*	74.9	218.1	20,300*	78.6	214.6	19,500*	80
85	69.9	217.6	20,300*	73.5	216.3	20,100*	77.2	212.8	19,200*	85
90	68.5	215.6	19,900*	72.1	214.3	19,900*	75.8	210.7	18,500*	90
95	67.2	213.5	19,600*	70.7	212.1	19,500*	74.4	208.6	17,800*	95
100	65.8	211.2	19,300*	69.3	209.9	19,300*	72.9	206.2	17,200*	100
105	64.3	208.8	19,000*	67.9	207.4	19,000*	71.5	203.8	16,600*	105
110	62.9	206.2	18,700*	66.4	204.8	18,800*	70.0	201.1	16,000*	110
115	61.4	203.5	18,400*	65.0	202.1	18,600*	68.5	198.3	15,500*	115
120	60.0	200.6	18,200*	63.5	199.2	18,300*	67.0	195.3	15,000*	120
125	58.5	197.5	17,900*	62.0	196.1	18,000*	65.4	192.2	14,600*	125
130	56.9	194.3	17,700*	60.4	192.8	17,600*	63.9	188.8	14,200*	130
135	55.4	190.8	17,400*	58.9	189.3	17,300*	62.3	185.3	13,800*	135
140	53.8	187.1	17,200*	57.3	185.6	17,000*	60.6	181.5	13,400*	140
145	52.2	183.3	17,000*	55.6	181.7	16,700*	59.0	177.5	13,000*	145
150	50.5	179.1	16,800*	54.0	177.5	16,400*	57.3	173.2	12,700*	150
155	48.8	174.8	16,600*	52.3	173.1	16,100*	55.5	168.7	12,400*	155
160	47.1	170.1	16,400*	50.5	168.4	15,600*	53.7	163.9	12,100*	160
165	45.3	165.2	16,300*	48.7	163.4	15,100*	51.8	158.7	11,800*	165
170	43.5	159.9	16,000*	46.8	158.1	14,700*	49.9	153.2	11,600*	170
175	41.5	154.3	15,700*	44.9	152.4	14,300*	47.9	147.3	11,300*	175
180	39.5	148.3	15,400*	42.8	146.3	13,900*	45.8	141.0	11,100*	180
185	37.4	141.8	15,100*	40.7	139.8	13,500*	43.6	134.1	10,900*	185
190	35.2	134.8	14,900*	38.5	132.6	13,200*	41.2	126.7	10,700*	190
195	32.9	127.2	14,600*	36.1	124.9	12,900*				195
200	30.4	118.8	14,400*	33.6	116.3	12,600*				200
205	27.7	109.5	13,700	30.8	106.8	12,300*				205
210	24.8	99.0	13,000							210
215	21.4	86.8	12,400							215
220	17.4	71.9	11,700							220

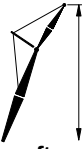
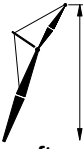


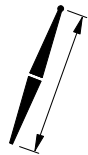
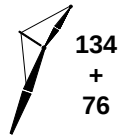
	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	80.9	238.7	22,600*							45
50	79.7	237.8	22,500*							50
55	78.4	236.8	22,300*							55
60	77.2	235.6	22,000*	80.7	234.3	21,500*				60
65	75.9	234.4	21,600*	79.4	233.1	21,200*				65
70	74.7	233.0	21,300*	78.1	231.7	20,900*				70
75	73.4	231.5	21,000*	76.8	230.2	20,700*	80.4	226.6	19,900*	75
80	72.1	229.8	20,600*	75.5	228.5	20,400*	79.1	225.0	19,600*	80
85	70.8	228.1	20,300*	74.2	226.8	20,100*	77.8	223.2	19,300*	85
90	69.5	226.2	20,000*	72.9	224.9	19,800*	76.4	221.3	18,800*	90
95	68.2	224.2	19,700*	71.6	222.8	19,600*	75.1	219.2	18,100*	95
100	66.8	222.0	19,400*	70.2	220.7	19,300*	73.7	217.0	17,500*	100
105	65.5	219.7	19,100*	68.9	218.4	19,100*	72.3	214.6	16,900*	105
110	64.1	217.3	18,800*	67.5	215.9	18,900*	70.9	212.1	16,400*	110
115	62.8	214.7	18,600*	66.1	213.3	18,600*	69.5	209.5	15,900*	115
120	61.4	212.0	18,200*	64.7	210.5	18,400*	68.1	206.7	15,400*	120
125	59.9	209.1	18,000*	63.3	207.6	18,200*	66.7	203.7	14,900*	125
130	58.5	206.0	17,700*	61.9	204.5	17,900*	65.2	200.5	14,500*	130
135	57.1	202.8	17,500*	60.4	201.2	17,600*	63.7	197.2	14,100*	135
140	55.6	199.3	17,300*	58.9	197.8	17,300*	62.1	193.7	13,700*	140
145	54.1	195.7	17,100*	57.4	194.1	17,000*	60.6	189.9	13,400*	145
150	52.5	191.9	16,800*	55.8	190.3	16,700*	59.0	186.0	13,000*	150
155	50.9	187.8	16,600*	54.2	186.2	16,500*	57.4	181.8	12,700*	155
160	49.3	183.5	16,400*	52.6	181.8	16,200*	55.7	177.3	12,400*	160
165	47.7	178.9	16,300*	50.9	177.2	15,700*	54.0	172.6	12,100*	165
170	46.0	174.1	16,200*	49.2	172.4	15,200*	52.2	167.6	11,900*	170
175	44.2	169.0	16,000*	47.4	167.2	14,800*	50.4	162.2	11,600*	175
180	42.4	163.6	15,800*	45.6	161.7	14,400*	48.5	156.5	11,400*	180
185	40.5	157.7	15,500*	43.7	155.8	14,100*	46.5	150.4	11,200*	185
190	38.6	151.5	15,200*	41.7	149.5	13,700*	44.5	143.9	11,000*	190
195	36.5	144.8	14,800	39.7	142.7	13,400*	42.3	136.8	10,800*	195
200	34.4	137.6	14,000	37.5	135.3	13,100*	40.0	129.1	10,600*	200
205	32.1	129.7	13,300	35.1	127.3	12,800*				205
210	29.7	121.1	12,600	32.7	118.5	12,500*				210
215	27.0	111.5	12,000	29.9	108.7	12,200*				215
220	24.1	100.7	11,400							220
225	20.8	88.1	10,800							225



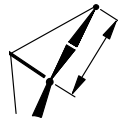
178,000 lb
+
70,500 lb



	5°			15°			25°			
										
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.1	247.8	22,400*							50
55	78.9	246.8	22,200*							55
60	77.7	245.7	21,900*							60
65	76.5	244.5	21,600*	79.8	243.2	21,200*				65
70	75.3	243.2	21,300*	78.6	241.9	21,000*				70
75	74.1	241.8	21,000*	77.4	240.4	20,700*	80.8	236.9	19,900*	75
80	72.8	240.2	20,600*	76.1	238.9	20,400*	79.6	235.3	19,600*	80
85	71.6	238.5	20,300*	74.9	237.2	20,100*	78.3	233.6	19,300*	85
90	70.4	236.7	20,000*	73.6	235.4	19,800*	77.0	231.7	19,100*	90
95	69.1	234.8	19,700*	72.4	233.4	19,600*	75.7	229.8	18,500*	95
100	67.8	232.8	19,400*	71.1	231.4	19,300*	74.4	227.7	17,800*	100
105	66.5	230.6	19,100*	69.8	229.2	19,100*	73.1	225.4	17,300*	105
110	65.3	228.3	18,800*	68.5	226.8	18,900*	71.8	223.0	16,700*	110
115	63.9	225.8	18,600*	67.2	224.4	18,700*	70.5	220.5	16,200*	115
120	62.6	223.2	18,300*	65.9	221.8	18,400*	69.1	217.9	15,700*	120
125	61.3	220.5	18,100*	64.5	219.0	18,200*	67.7	215.0	15,300*	125
130	59.9	217.5	17,800*	63.1	216.1	18,000*	66.3	212.1	14,800*	130
135	58.5	214.5	17,600*	61.8	213.0	17,800*	64.9	208.9	14,400*	135
140	57.2	211.2	17,300*	60.4	209.7	17,600*	63.5	205.6	14,100*	140
145	55.7	207.8	17,100*	58.9	206.3	17,300*	62.0	202.1	13,700*	145
150	54.3	204.2	16,900*	57.5	202.6	17,000*	60.5	198.4	13,400*	150
155	52.8	200.4	16,700*	56.0	198.8	16,700*	59.0	194.5	13,000*	155
160	51.3	196.4	16,500*	54.5	194.8	16,500*	57.5	190.3	12,700*	160
165	49.8	192.2	16,300*	52.9	190.5	16,200*	55.9	185.9	12,500*	165
170	48.2	187.7	16,200*	51.3	186.0	15,800*	54.2	181.3	12,200*	170
175	46.6	183.0	16,000*	49.7	181.2	15,400*	52.6	176.4	11,900*	175
180	44.9	178.0	15,900*	48.0	176.2	15,000*	50.8	171.2	11,700*	180
185	43.2	172.7	15,800*	46.3	170.8	14,600*	49.1	165.7	11,500*	185
190	41.4	167.1	15,200	44.5	165.1	14,200*	47.2	159.8	11,200*	190
195	39.6	161.1	14,400	42.6	159.0	13,900*	45.3	153.5	11,000*	195
200	37.7	154.6	13,700	40.7	152.5	13,500*	43.3	146.7	10,900*	200
205	35.7	147.7	13,000	38.7	145.5	13,200*	41.1	139.4	10,700*	205
210	33.6	140.3	12,300	36.5	137.9	12,700				210
215	31.4	132.2	11,600	34.2	129.7	12,000				215
220	29.0	123.3	11,000	31.8	120.6	11,400				220
225	26.4	113.5	10,400	29.1	110.5	10,700				225
230	23.5	102.3	9,800							230
235	20.2	89.4	9,300							235

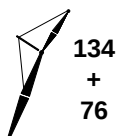


173.9 ft



80.0 ft

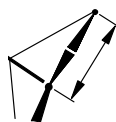
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	80.5	257.8	22,200*							50
55	79.4	256.9	22,000*							55
60	78.2	255.8	21,800*							60
65	77.0	254.7	21,600*	80.2	253.3	21,200*				65
70	75.9	253.4	21,200*	79.1	252.1	20,900*				70
75	74.7	252.0	20,900*	77.9	250.7	20,600*				75
80	73.5	250.5	20,600*	76.7	249.2	20,400*	80.0	245.5	19,700*	80
85	72.3	248.9	20,300*	75.5	247.6	20,100*	78.8	243.9	19,400*	85
90	71.2	247.2	20,000*	74.3	245.8	19,900*	77.6	242.1	19,100*	90
95	69.9	245.4	19,700*	73.1	244.0	19,600*	76.3	240.2	18,800*	95
100	68.7	243.4	19,400*	71.9	242.0	19,400*	75.1	238.2	18,100*	100
105	67.5	241.3	19,200*	70.7	239.9	19,100*	73.9	236.1	17,600*	105
110	66.3	239.1	18,900*	69.4	237.7	18,900*	72.6	233.9	17,000*	110
115	65.0	236.8	18,600*	68.2	235.3	18,700*	71.3	231.5	16,500*	115
120	63.8	234.3	18,300*	66.9	232.8	18,500*	70.0	228.9	16,000*	120
125	62.5	231.7	18,100*	65.6	230.2	18,300*	68.7	226.3	15,600*	125
130	61.2	228.9	17,800*	64.3	227.4	18,100*	67.4	223.4	15,200*	130
135	59.9	226.0	17,600*	63.0	224.5	17,900*	66.1	220.4	14,800*	135
140	58.6	223.0	17,400*	61.7	221.4	17,700*	64.7	217.3	14,400*	140
145	57.2	219.7	17,200*	60.3	218.2	17,500*	63.3	214.0	14,000*	145
150	55.9	216.3	16,900*	58.9	214.8	17,200*	61.9	210.5	13,700*	150
155	54.5	212.8	16,700*	57.5	211.2	17,000*	60.5	206.8	13,400*	155
160	53.1	209.0	16,500*	56.1	207.4	16,700*	59.0	202.9	13,000*	160
165	51.6	205.1	16,400*	54.7	203.4	16,500*	57.6	198.9	12,800*	165
170	50.2	200.9	16,200*	53.2	199.2	16,200*	56.0	194.6	12,500*	170
175	48.7	196.5	16,100*	51.7	194.7	15,900*	54.5	190.0	12,200*	175
180	47.1	191.9	15,900*	50.1	190.1	15,500*	52.9	185.2	12,000*	180
185	45.6	187.0	15,700	48.5	185.1	15,100*	51.2	180.1	11,700*	185
190	43.9	181.8	14,800	46.9	179.9	14,700*	49.6	174.7	11,500*	190
195	42.3	176.3	14,000	45.2	174.3	14,300*	47.8	169.0	11,300*	195
200	40.5	170.5	13,300	43.4	168.4	13,800	46.0	162.9	11,100*	200
205	38.7	164.3	12,600	41.6	162.2	13,100	44.1	156.4	10,900*	205
210	36.9	157.7	11,900	39.7	155.4	12,400	42.1	149.4	10,800*	210
215	34.9	150.6	11,200	37.7	148.2	11,700	40.0	141.9	10,600*	215
220	32.8	142.9	10,600	35.6	140.4	11,000				220
225	30.6	134.6	10,000	33.4	132.0	10,400				225
230	28.3	125.5	9,400	31.0	122.6	9,800				230
235	25.7	115.3	8,900	28.4	112.2	9,200				235
240	22.9	103.9	8,400							240
245	19.7	90.6	7,900							245



178,000 lb
+
70,500 lb

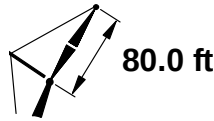
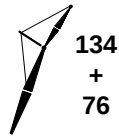


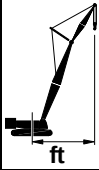
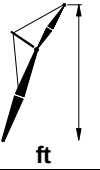
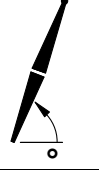
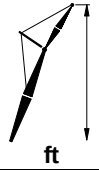
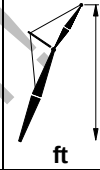
183.7 ft

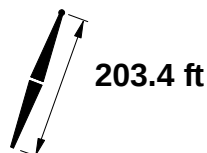
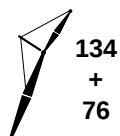


80.0 ft

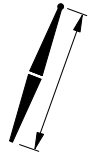
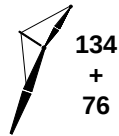
	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.9	267.8	22,000*							50
55	79.8	266.9	21,900*							55
60	78.6	265.9	21,700*							60
65	77.5	264.8	21,500*	80.6	263.4	21,100*				65
70	76.4	263.6	21,200*	79.5	262.2	20,900*				70
75	75.3	262.2	20,900*	78.4	260.9	20,600*				75
80	74.2	260.8	20,600*	77.2	259.4	20,400*	80.4	255.7	19,700*	80
85	73.0	259.3	20,300*	76.1	257.9	20,100*	79.2	254.2	19,400*	85
90	71.9	257.6	20,000*	74.9	256.2	19,900*	78.1	252.5	19,200*	90
95	70.7	255.9	19,800*	73.8	254.5	19,600*	76.9	250.7	18,900*	95
100	69.6	254.0	19,500*	72.6	252.6	19,400*	75.7	248.8	18,400*	100
105	68.4	252.0	19,200*	71.4	250.6	19,200*	74.5	246.7	17,900*	105
110	67.2	249.9	18,900*	70.2	248.4	18,900*	73.3	244.6	17,300*	110
115	66.0	247.7	18,700*	69.0	246.2	18,700*	72.1	242.3	16,800*	115
120	64.8	245.3	18,400*	67.8	243.8	18,500*	70.9	239.9	16,300*	120
125	63.6	242.8	18,200*	66.6	241.3	18,300*	69.6	237.3	15,900*	125
130	62.4	240.2	17,900*	65.4	238.7	18,100*	68.4	234.6	15,500*	130
135	61.1	237.4	17,700*	64.1	235.9	17,900*	67.1	231.8	15,100*	135
140	59.9	234.5	17,400*	62.9	233.0	17,700*	65.8	228.8	14,700*	140
145	58.6	231.4	17,200*	61.6	229.9	17,500*	64.5	225.7	14,300*	145
150	57.3	228.2	17,000*	60.3	226.6	17,400*	63.2	222.4	14,000*	150
155	56.0	224.9	16,800*	59.0	223.2	17,200*	61.8	218.9	13,700*	155
160	54.7	221.3	16,600*	57.6	219.7	17,000*	60.5	215.3	13,300*	160
165	53.3	217.6	16,400*	56.3	215.9	16,700*	59.1	211.4	13,100*	165
170	52.0	213.7	16,200*	54.9	212.0	16,500*	57.6	207.4	12,800*	170
175	50.5	209.6	16,100*	53.4	207.8	16,300*	56.2	203.2	12,500*	175
180	49.1	205.2	16,000*	52.0	203.5	16,000*	54.7	198.7	12,300*	180
185	47.6	200.7	15,200	50.5	198.9	15,600*	53.2	194.0	12,000*	185
190	46.1	195.9	14,300	49.0	194.0	15,000	51.6	189.0	11,800*	190
195	44.6	190.8	13,500	47.4	188.9	14,200	50.0	183.7	11,600*	195
200	43.0	185.5	12,800	45.8	183.5	13,400	48.4	178.2	11,400*	200
205	41.4	179.8	12,100	44.2	177.8	12,600	46.6	172.3	11,200*	205
210	39.7	173.8	11,400	42.4	171.7	11,900	44.9	166.0	11,000*	210
215	37.9	167.4	10,700	40.7	165.2	11,200	43.0	159.3	10,800*	215
220	36.1	160.6	10,100	38.8	158.3	10,600	41.1	152.1	10,700*	220
225	34.1	153.3	9,500	36.8	150.9	10,000				225
230	32.1	145.4	9,000	34.8	142.9	9,400				230
235	30.0	136.9	8,400	32.6	134.2	8,800				235
240	27.7	127.5	7,900	30.2	124.6	8,200				240
245	25.2	117.2	7,400							245
250	22.4	105.4	6,900							250
255	19.2	91.7	6,400							255



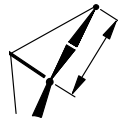
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
55	80.1	276.9	21,700*							55
60	79.1	276.0	21,600*							60
65	78.0	274.9	21,400*	81.0	273.5	21,200*				65
70	76.9	273.7	21,100*	79.9	272.3	20,800*				70
75	75.8	272.4	20,900*	78.8	271.0	20,600*				75
80	74.7	271.1	20,600*	77.7	269.7	20,300*	80.8	265.9	19,800*	80
85	73.7	269.6	20,300*	76.6	268.2	20,100*	79.6	264.4	19,500*	85
90	72.6	268.0	20,000*	75.5	266.6	19,800*	78.5	262.8	19,200*	90
95	71.5	266.3	19,700*	74.4	264.9	19,600*	77.4	261.1	19,000*	95
100	70.3	264.5	19,500*	73.3	263.1	19,400*	76.3	259.2	18,700*	100
105	69.2	262.6	19,200*	72.1	261.2	19,200*	75.1	257.3	18,200*	105
110	68.1	260.6	19,000*	71.0	259.1	18,900*	74.0	255.2	17,600*	110
115	67.0	258.4	18,700*	69.9	257.0	18,700*	72.8	253.0	17,100*	115
120	65.8	256.2	18,400*	68.7	254.7	18,500*	71.6	250.7	16,600*	120
125	64.6	253.8	18,200*	67.5	252.3	18,300*	70.4	248.3	16,200*	125
130	63.5	251.3	17,900*	66.4	249.8	18,100*	69.2	245.7	15,800*	130
135	62.3	248.7	17,800*	65.2	247.1	17,900*	68.0	243.0	15,400*	135
140	61.1	245.9	17,500*	64.0	244.3	17,700*	66.8	240.2	15,000*	140
145	59.9	243.0	17,300*	62.7	241.4	17,600*	65.6	237.2	14,600*	145
150	58.7	239.9	17,000*	61.5	238.3	17,400*	64.3	234.1	14,300*	150
155	57.4	236.7	16,800*	60.3	235.1	17,200*	63.0	230.8	13,900*	155
160	56.1	233.4	16,600*	59.0	231.7	17,100*	61.7	227.3	13,600*	160
165	54.9	229.8	16,400*	57.7	228.2	16,900*	60.4	223.7	13,300*	165
170	53.6	226.1	16,300*	56.4	224.5	16,700*	59.1	219.9	13,100*	170
175	52.2	222.3	16,100*	55.0	220.6	16,500*	57.7	215.9	12,800*	175
180	50.9	218.2	15,600	53.7	216.5	16,300*	56.3	211.7	12,500*	180
185	49.5	213.9	14,700	52.3	212.1	15,500	54.9	207.3	12,300*	185
190	48.1	209.5	13,900	50.9	207.6	14,600	53.4	202.7	12,100*	190
195	46.7	204.7	13,100	49.4	202.9	13,800	52.0	197.8	11,800*	195
200	45.2	199.8	12,300	47.9	197.9	13,000	50.4	192.7	11,600*	200
205	43.7	194.6	11,600	46.4	192.6	12,300	48.8	187.3	11,400*	205
210	42.1	189.1	11,000	44.8	187.0	11,500	47.2	181.5	11,200*	210
215	40.5	183.2	10,300	43.2	181.1	10,900	45.5	175.4	11,100*	215
220	38.8	177.1	9,700	41.5	174.9	10,200	43.8	168.9	10,700	220
225	37.1	170.5	9,100	39.8	168.2	9,600	42.0	162.0	10,000	225
230	35.3	163.5	8,500	37.9	161.1	9,000	40.1	154.6	9,400	230
235	33.4	156.0	8,000	36.0	153.5	8,400				235
240	31.4	147.9	7,500	34.0	145.3	7,900				240
245	29.3	139.2	7,000	31.8	136.3	7,300				245
250	27.1	129.6	6,500	29.5	126.5	6,800				250
255	24.6	118.9	6,000							255
260	21.9	106.9	5,600							260
265	18.7	92.8	5,100							265



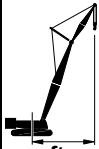
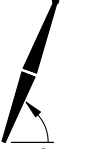
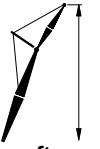
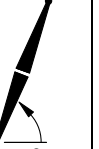
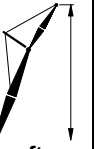
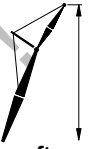
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
55	80.5	286.9	21,500*							55
60	79.4	286.0	21,400*							60
65	78.4	285.0	21,200*							65
70	77.4	283.8	21,000*	80.2	282.4	20,800*				70
75	76.3	282.6	20,800*	79.2	281.2	20,500*				75
80	75.3	281.3	20,500*	78.1	279.9	20,300*				80
85	74.2	279.9	20,200*	77.1	278.4	20,000*	80.0	274.6	19,500*	85
90	73.2	278.3	20,000*	76.0	276.9	19,800*	78.9	273.1	19,300*	90
95	72.1	276.7	19,700*	75.0	275.3	19,600*	77.9	271.4	19,000*	95
100	71.1	275.0	19,400*	73.9	273.5	19,400*	76.8	269.7	18,800*	100
105	70.0	273.1	19,200*	72.8	271.7	19,300*	75.7	267.8	18,400*	105
110	68.9	271.2	19,000*	71.7	269.7	18,900*	74.6	265.8	17,900*	110
115	67.8	269.2	18,700*	70.6	267.7	18,700*	73.5	263.7	17,400*	115
120	66.7	267.0	18,400*	69.5	265.5	18,500*	72.3	261.5	16,900*	120
125	65.6	264.7	18,200*	68.4	263.2	18,300*	71.2	259.2	16,500*	125
130	64.5	262.3	17,900*	67.3	260.8	18,100*	70.0	256.7	16,000*	130
135	63.3	259.8	17,700*	66.1	258.3	17,900*	68.9	254.1	15,600*	135
140	62.2	257.1	17,500*	65.0	255.6	17,800*	67.7	251.4	15,300*	140
145	61.0	254.4	17,300*	63.8	252.8	17,600*	66.5	248.6	14,900*	145
150	59.9	251.5	17,100*	62.6	249.9	17,400*	65.3	245.6	14,600*	150
155	58.7	248.4	16,900*	61.4	246.8	17,200*	64.1	242.5	14,200*	155
160	57.5	245.2	16,700*	60.2	243.6	17,100*	62.9	239.2	13,900*	160
165	56.3	241.9	16,600*	59.0	240.2	17,000*	61.6	235.8	13,600*	165
170	55.0	238.4	16,300*	57.8	236.7	16,800*	60.4	232.2	13,300*	170
175	53.8	234.7	16,100*	56.5	233.0	16,700*	59.1	228.4	13,100*	175
180	52.5	230.9	15,200	55.2	229.1	16,100	57.8	224.5	12,800*	180
185	51.2	226.8	14,300	53.9	225.1	15,200	56.4	220.3	12,600*	185
190	49.9	222.6	13,500	52.6	220.8	14,300	55.1	216.0	12,300*	190
195	48.5	218.2	12,700	51.2	216.4	13,500	53.7	211.4	12,100*	195
200	47.2	213.6	12,000	49.8	211.7	12,700	52.3	206.6	11,900*	200
205	45.7	208.7	11,300	48.4	206.8	11,900	50.8	201.6	11,700*	205
210	44.3	203.6	10,600	46.9	201.6	11,200	49.3	196.3	11,500*	210
215	42.8	198.2	9,900	45.4	196.2	10,500	47.8	190.7	11,100	215
220	41.3	192.6	9,300	43.9	190.5	9,900	46.2	184.8	10,400	220
225	39.7	186.6	8,700	42.3	184.4	9,300	44.5	178.5	9,700	225
230	38.1	180.2	8,200	40.6	178.0	8,700	42.8	171.9	9,100	230
235	36.4	173.5	7,600	38.9	171.1	8,100	41.0	164.8	8,500	235
240	34.6	166.3	7,100	37.1	163.8	7,500				240
245	32.8	158.6	6,600	35.2	156.0	7,000				245
250	30.8	150.3	6,100	33.2	147.6	6,500				250
255	28.7	141.3	5,700	31.1	138.4	6,000				255
260	26.5	131.5	5,200	28.8	128.4	5,500				260
265	24.1	120.6	4,700*							265
270	21.4	108.3	4,200*							270

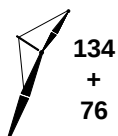


213.3 ft

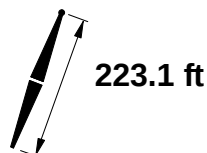


80.0 ft

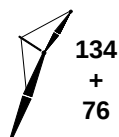
	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
55	80.8	296.9	21,300*							55
60	79.8	296.0	21,200*							60
65	78.8	295.0	21,100*							65
70	77.8	293.9	20,900*	80.6	292.5	20,700*				70
75	76.8	292.8	20,700*	79.6	291.3	20,400*				75
80	75.8	291.5	20,400*	78.6	290.0	20,200*				80
85	74.8	290.1	20,200*	77.5	288.7	20,000*	80.4	284.8	19,500*	85
90	73.8	288.6	19,900*	76.5	287.2	19,800*	79.3	283.3	19,300*	90
95	72.7	287.1	19,700*	75.5	285.6	19,700*	78.3	281.7	19,000*	95
100	71.7	285.4	19,400*	74.4	283.9	19,300*	77.2	280.0	18,800*	100
105	70.7	283.6	19,100*	73.4	282.2	19,100*	76.2	278.2	18,600*	105
110	69.6	281.8	18,900*	72.4	280.3	18,900*	75.1	276.3	18,200*	110
115	68.6	279.8	18,700*	71.3	278.3	18,800*	74.1	274.3	17,700*	115
120	67.5	277.7	18,400*	70.2	276.2	18,500*	73.0	272.2	17,200*	120
125	66.5	275.5	18,200*	69.2	274.0	18,300*	71.9	270.0	16,700*	125
130	65.4	273.2	17,900*	68.1	271.7	18,100*	70.8	267.6	16,300*	130
135	64.3	270.8	17,700*	67.0	269.3	17,900*	69.7	265.2	15,900*	135
140	63.2	268.3	17,500*	65.9	266.7	17,700*	68.6	262.6	15,500*	140
145	62.1	265.6	17,300*	64.8	264.1	17,600*	67.4	259.8	15,200*	145
150	61.0	262.8	17,200*	63.7	261.3	17,400*	66.3	257.0	14,800*	150
155	59.9	259.9	16,900*	62.5	258.3	17,200*	65.1	254.0	14,500*	155
160	58.7	256.9	16,700*	61.4	255.3	17,100*	64.0	250.9	14,200*	160
165	57.5	253.7	16,500*	60.2	252.1	17,000*	62.8	247.6	13,900*	165
170	56.4	250.4	16,300*	59.0	248.7	16,800*	61.6	244.2	13,600*	170
175	55.2	246.9	15,700	57.8	245.2	16,700	60.3	240.6	13,300*	175
180	54.0	243.2	14,800	56.6	241.5	15,700	59.1	236.9	13,100*	180
185	52.7	239.4	13,900	55.4	237.7	14,800	57.8	233.0	12,800*	185
190	51.5	235.5	13,100	54.1	233.7	13,900	56.6	228.9	12,600*	190
195	50.2	231.3	12,300	52.8	229.5	13,100	55.2	224.6	12,300*	195
200	48.9	227.0	11,500	51.5	225.1	12,300	53.9	220.1	12,100*	200
205	47.6	222.4	10,800	50.2	220.5	11,600	52.5	215.4	11,900*	205
210	46.3	217.6	10,200	48.8	215.7	10,800	51.1	210.5	11,500	210
215	44.9	212.6	9,500	47.4	210.6	10,200	49.7	205.3	10,800	215
220	43.5	207.3	8,900	46.0	205.3	9,500	48.2	199.8	10,100	220
225	42.0	201.8	8,300	44.5	199.7	8,900	46.7	194.0	9,400	225
230	40.5	196.0	7,700	43.0	193.8	8,300	45.2	188.0	8,800	230
235	39.0	189.8	7,200	41.4	187.6	7,700	43.5	181.5	8,200	235
240	37.3	183.3	6,700	39.8	181.0	7,200	41.9	174.7	7,600	240
245	35.7	176.4	6,200	38.1	174.0	6,600	40.1	167.4	7,000	245
250	33.9	169.0	5,700	36.4	166.5	6,100				250
255	32.1	161.2	5,200	34.5	158.5	5,600				255
260	30.2	152.7	4,700*	32.5	149.9	5,200				260
265	28.2	143.5	4,200*	30.5	140.5	4,600*				265
270				28.2	130.2	4,100*				270



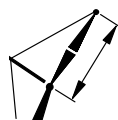
178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.1	306.0	21,000*							60
65	79.2	305.1	20,900*							65
70	78.2	304.0	20,700*	80.9	302.6	20,800*				70
75	77.2	302.9	20,500*	79.9	301.4	20,300*				75
80	76.3	301.6	20,300*	78.9	300.2	20,100*				80
85	75.3	300.3	20,100*	78.0	298.9	19,900*	80.7	295.0	19,400*	85
90	74.3	298.9	19,800*	77.0	297.4	19,700*	79.7	293.6	19,300*	90
95	73.3	297.4	19,600*	76.0	295.9	19,500*	78.7	292.0	19,100*	95
100	72.3	295.8	19,300*	75.0	294.3	19,200*	77.7	290.4	18,900*	100
105	71.3	294.1	19,100*	74.0	292.6	19,100*	76.7	288.7	18,600*	105
110	70.3	292.3	18,800*	73.0	290.8	18,800*	75.6	286.8	18,400*	110
115	69.3	290.4	18,600*	71.9	288.9	18,600*	74.6	284.9	17,900*	115
120	68.3	288.4	18,400*	70.9	286.9	18,400*	73.6	282.8	17,400*	120
125	67.3	286.3	18,100*	69.9	284.8	18,300*	72.5	280.7	17,000*	125
130	66.2	284.1	17,900*	68.9	282.5	18,100*	71.5	278.4	16,600*	130
135	65.2	281.8	17,700*	67.8	280.2	17,900*	70.4	276.1	16,200*	135
140	64.1	279.3	17,500*	66.7	277.8	17,700*	69.3	273.6	15,800*	140
145	63.1	276.8	17,300*	65.7	275.2	17,500*	68.3	271.0	15,400*	145
150	62.0	274.1	17,100*	64.6	272.5	17,400*	67.2	268.3	15,100*	150
155	60.9	271.3	16,900*	63.5	269.7	17,200*	66.1	265.4	14,800*	155
160	59.8	268.4	16,700*	62.4	266.8	17,100*	64.9	262.4	14,400*	160
165	58.7	265.4	16,600*	61.3	263.7	16,900*	63.8	259.3	14,100*	165
170	57.6	262.2	16,200	60.2	260.5	16,800*	62.7	256.1	13,900*	170
175	56.5	258.9	15,200	59.0	257.2	16,200	61.5	252.7	13,600*	175
180	55.3	255.4	14,200	57.9	253.7	15,200	60.3	249.1	13,300*	180
185	54.2	251.8	13,300	56.7	250.1	14,300	59.1	245.4	13,100*	185
190	53.0	248.0	12,500	55.5	246.3	13,400	57.9	241.5	12,800*	190
195	51.8	244.1	11,700	54.3	242.3	12,600	56.7	237.5	12,600*	195
200	50.5	240.0	10,900	53.1	238.1	11,800	55.4	233.2	12,400*	200
205	49.3	235.7	10,200	51.8	233.8	11,000	54.1	228.8	11,700	205
210	48.0	231.2	9,600	50.5	229.3	10,300	52.8	224.2	11,000	210
215	46.7	226.5	8,900	49.2	224.5	9,600	51.5	219.3	10,300	215
220	45.4	221.6	8,300	47.9	219.6	9,000	50.1	214.2	9,600	220
225	44.1	216.4	7,700	46.5	214.4	8,300	48.7	208.9	8,900	225
230	42.7	211.0	7,100	45.1	208.9	7,700	47.2	203.2	8,300	230
235	41.2	205.3	6,600	43.7	203.2	7,200	45.8	197.3	7,700	235
240	39.8	199.3	6,100	42.2	197.1	6,600	44.2	191.1	7,100	240
245	38.2	193.0	5,600	40.6	190.7	6,100	42.6	184.5	6,500	245
250	36.7	186.3	5,100*	39.0	183.9	5,600	41.0	177.5	6,000	250
255	35.0	179.2	4,500*	37.4	176.8	5,100*	39.2	170.0	5,500	255
260				35.6	169.1	4,500*				260

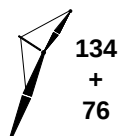


232.9 ft

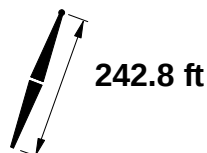


80.0 ft

	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
60	80.5	316.0	20,800*						60	
65	79.5	315.1	20,700*						65	
70	78.6	314.1	20,600*						70	
75	77.7	313.0	20,400*	80.2	311.5	20,200*			75	
80	76.7	311.8	20,200*	79.3	310.3	20,000*			80	
85	75.8	310.5	20,000*	78.3	309.1	19,800*	81.0	305.1	19,300*	85
90	74.8	309.1	19,700*	77.4	307.7	19,600*	80.0	303.8	19,200*	90
95	73.9	307.7	19,500*	76.4	306.2	19,400*	79.1	302.3	19,100*	95
100	72.9	306.1	19,200*	75.5	304.7	19,200*	78.1	300.7	18,900*	100
105	71.9	304.5	19,000*	74.5	303.0	19,000*	77.1	299.0	18,700*	105
110	71.0	302.8	18,800*	73.5	301.3	18,800*	76.1	297.2	18,500*	110
115	70.0	300.9	18,600*	72.5	299.4	18,600*	75.1	295.4	18,200*	115
120	69.0	299.0	18,300*	71.6	297.5	18,400*	74.1	293.4	17,700*	120
125	68.0	297.0	18,100*	70.6	295.4	18,300*	73.1	291.4	17,300*	125
130	67.0	294.8	17,900*	69.6	293.3	18,000*	72.1	289.2	16,800*	130
135	66.0	292.6	17,700*	68.6	291.1	17,900*	71.1	286.9	16,400*	135
140	65.0	290.3	17,400*	67.5	288.7	17,700*	70.1	284.5	16,100*	140
145	64.0	287.8	17,300*	66.5	286.2	17,600*	69.0	282.0	15,700*	145
150	63.0	285.3	17,100*	65.5	283.7	17,400*	68.0	279.4	15,300*	150
155	61.9	282.6	16,900*	64.4	281.0	17,200*	66.9	276.7	15,000*	155
160	60.9	279.8	16,700*	63.4	278.2	17,100*	65.8	273.8	14,700*	160
165	59.8	276.9	16,500*	62.3	275.2	16,900*	64.8	270.8	14,400*	165
170	58.8	273.8	16,200	61.2	272.2	16,800*	63.7	267.7	14,100*	170
175	57.7	270.7	15,200	60.2	269.0	16,200	62.5	264.5	13,800*	175
180	56.6	267.4	14,200	59.0	265.7	15,200	61.4	261.1	13,600*	180
185	55.5	263.9	13,400	57.9	262.2	14,300	60.3	257.6	13,300*	185
190	54.3	260.3	12,500	56.8	258.6	13,400	59.1	253.9	13,100*	190
195	53.2	256.6	11,700	55.6	254.8	12,600	58.0	250.0	12,800*	195
200	52.0	252.7	11,000	54.5	250.9	11,800	56.8	246.0	12,600	200
205	50.8	248.6	10,300	53.3	246.8	11,100	55.5	241.8	11,800	205
210	49.6	244.4	9,600	52.1	242.5	10,300	54.3	237.5	11,100	210
215	48.4	239.9	8,900	50.8	238.0	9,700	53.0	232.9	10,300	215
220	47.2	235.3	8,300	49.6	233.4	9,000	51.8	228.1	9,700	220
225	45.9	230.5	7,700	48.3	228.5	8,400	50.4	223.1	9,000	225
230	44.6	225.4	7,200	47.0	223.4	7,800	49.1	217.9	8,400	230
235	43.3	220.1	6,600	45.6	218.0	7,200	47.7	212.4	7,800	235
240	41.9	214.6	6,100	44.3	212.4	6,700	46.3	206.6	7,200	240
245	40.5	208.7	5,600	42.8	206.5	6,200	44.8	200.5	6,600	245
250	39.0	202.6	5,100*	41.4	200.3	5,600	43.3	194.1	6,100	250
255	37.5	196.1	4,500*	39.8	193.8	5,200	41.7	187.4	5,600	255
260	36.0	189.3	4,000*	38.3	186.8	4,600*	40.1	180.2	5,100	260
265				36.6	179.5	4,000*				265



178,000 lb
+
70,500 lb



	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.7	326.0	20,700*							60
65	79.8	325.1	20,500*							65
70	78.9	324.1	20,400*							70
75	78.0	323.1	20,200*	80.5	321.6	20,100*				75
80	77.1	321.9	20,000*	79.6	320.5	19,900*				80
85	76.2	320.7	19,800*	78.7	319.2	19,700*				85
90	75.3	319.4	19,600*	77.8	317.9	19,500*	80.4	313.9	19,100*	90
95	74.4	317.9	19,400*	76.9	316.5	19,400*	79.4	312.5	19,000*	95
100	73.4	316.5	19,200*	75.9	315.0	19,100*	78.5	311.0	18,900*	100
105	72.5	314.9	18,900*	75.0	313.4	18,900*	77.5	309.4	18,700*	105
110	71.6	313.2	18,700*	74.1	311.7	18,700*	76.6	307.6	18,500*	110
115	70.6	311.4	18,400*	73.1	309.9	18,500*	75.6	305.8	18,300*	115
120	69.7	309.6	18,200*	72.2	308.0	18,400*	74.7	303.9	17,900*	120
125	68.7	307.6	18,000*	71.2	306.1	18,300*	73.7	302.0	17,500*	125
130	67.8	305.6	17,800*	70.2	304.0	18,000*	72.7	299.9	17,100*	130
135	66.8	303.4	17,600*	69.3	301.8	17,800*	71.7	297.7	16,700*	135
140	65.8	301.1	17,400*	68.3	299.6	17,700*	70.7	295.4	16,300*	140
145	64.9	298.8	17,200*	67.3	297.2	17,500*	69.7	293.0	15,900*	145
150	63.9	296.3	17,000*	66.3	294.7	17,400*	68.7	290.5	15,600*	150
155	62.9	293.8	16,800*	65.3	292.1	17,200*	67.7	287.8	15,300*	155
160	61.9	291.1	16,700*	64.3	289.5	17,000*	66.7	285.1	14,900*	160
165	60.8	288.3	16,500*	63.3	286.6	16,900*	65.6	282.2	14,600*	165
170	59.8	285.4	15,800	62.2	283.7	16,700*	64.6	279.3	14,300*	170
175	58.8	282.3	14,800	61.2	280.6	15,900	63.5	276.1	14,100*	175
180	57.7	279.2	13,900	60.1	277.5	14,900	62.4	272.9	13,800*	180
185	56.7	275.9	13,000	59.1	274.1	14,000	61.4	269.5	13,500*	185
190	55.6	272.4	12,100	58.0	270.7	13,100	60.3	266.0	13,300*	190
195	54.5	268.9	11,300	56.9	267.1	12,300	59.1	262.4	13,100*	195
200	53.4	265.2	10,600	55.8	263.4	11,500	58.0	258.5	12,300	200
205	52.3	261.3	9,900	54.6	259.5	10,700	56.9	254.6	11,500	205
210	51.1	257.3	9,200	53.5	255.4	10,000	55.7	250.4	10,800	210
215	50.0	253.1	8,500	52.3	251.2	9,300	54.5	246.1	10,000	215
220	48.8	248.7	7,900	51.1	246.8	8,700	53.3	241.6	9,400	220
225	47.6	244.1	7,300	49.9	242.2	8,000	52.0	236.9	8,700	225
230	46.4	239.4	6,800	48.7	237.4	7,400	50.8	232.0	8,100	230
235	45.1	234.4	6,200	47.4	232.3	6,900	49.5	226.8	7,500	235
240	43.8	229.2	5,700	46.1	227.1	6,300	48.2	221.5	6,900	240
245	42.5	223.7	5,200*	44.8	221.6	5,800	46.8	215.8	6,300	245
250	41.2	218.0	4,600*	43.4	215.8	5,300	45.4	209.9	5,800	250
255	39.8	212.1	4,000*	42.0	209.8	4,700*	44.0	203.7	5,300	255
260				40.6	203.4	4,100*	42.5	197.1	4,700*	260
265							40.9	190.2	4,100*	265