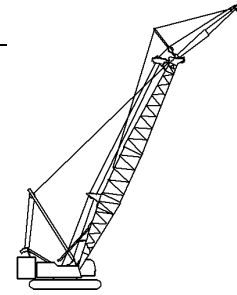


Liftcrane Jib Capacities

Jib No. 134 with 12 ft 6 in. Strut on
 Boom No. 76
 168,000 lb Crane Counterweight
 53,000 lb Carbody Counterweight
 360 Degree Rating



14000 SERIES 2



LIFTING CAPACITIES: Chart supplements boom capacity chart No. 8767-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**, and Wind Conditions chart **No. 8790-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.



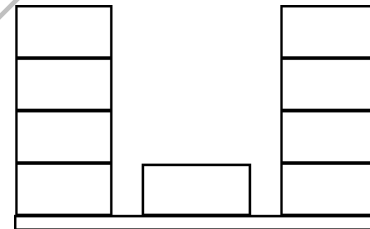
BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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, 168,000 lb crane counterweight, and two 26,500 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).



168,000 lb Crane Counterweight
 8 Side Boxes - 1 Center Box

Boom Catwalks Deduct

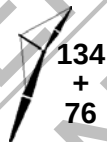
Deduct 400 lb from capacities when boom catwalks are attached.

WITHOUT BOOM CATWALKS				WITH BOOM CATWALKS			
Maximum Boom and Jib Lengths Lifted Unassisted				Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers		Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 292 ft	—	(a) 262 ft	—	(a)(b) 292 ft	—	(a) 262 ft	—
282 ft	—	253 ft	—	(b) 282 ft	—	253 ft	—
272 ft	—	243 ft	30 ft	272 ft	—	243 ft	30 ft
262 ft	40 ft	233 ft	60 ft	262 ft	40 ft	233 ft	(b) 60 ft
253 ft	70 ft	223 ft	70 ft	253 ft	(b) 70 ft	223 ft	70 ft
243 ft	80 ft	213 ft	80 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.				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.			

Consult jib chart for jib capacities.

Upper boom point cannot be used when jib is attached.

Explanation of Symbols



Jib No. 134
+
Boom No. 76



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Jib Length

Explanation of Symbols (continued)



Boom Angle
(see page 1)



Operating Radius
(see page 1)



Jib Offset Angle



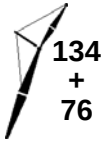
Jib Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



105.0 ft

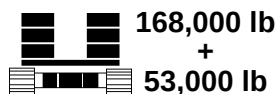
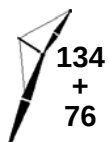


30.0 ft

	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	71.0	132.1	56,100 *	73.2	130.3	43,100 *	55
60	66.5	130.8	58,200 *	68.7	130.0	55,200 *	70.8	128.1	41,300 *	60
65	64.2	128.4	57,100 *	66.3	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 *	60.8	116.6	35,700 *	80
85	54.2	115.9	51,800	56.3	115.0	50,400 *	58.2	112.9	34,600 *	85
90	51.5	112.0	47,800	53.5	111.0	48,300	55.4	108.8	33,600 *	90
95	48.7	107.7	44,300	50.7	106.6	44,700	52.5	104.3	32,700 *	95
100	45.7	102.8	41,100	47.7	101.8	41,500	49.4	99.4	31,900 *	100
105	42.6	97.5	38,300	44.6	96.4	38,600	46.2	93.8	31,200 *	105
110	39.3	91.5	35,700	41.2	90.3	36,000	42.7	87.5	30,600 *	110
115	35.7	84.8	33,400	37.6	83.4	33,700				115
120	31.8	77.0	31,300	33.6	75.5	31,500				120
125	27.4	67.8	29,300							125
130	22.1	56.3	27,500							130

14000 S-2

ANSI B30.5



114.8 ft

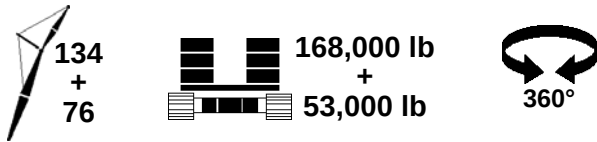


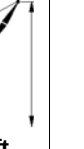
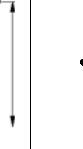
30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
30	80.6	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	51,500	58.9	127.1	52,100	60.7	125.0	35,700 *	85
90	54.6	124.5	47,500	56.5	123.5	48,100	58.3	121.4	34,700 *	90
95	52.1	120.6	44,000	54.0	119.6	44,500	55.7	117.4	33,700 *	95
100	49.5	116.4	40,800	51.4	115.4	41,300	53.0	113.1	32,900 *	100
105	46.8	111.7	38,000	48.6	110.7	38,400	50.2	108.3	32,100 *	105
110	43.9	106.6	35,400	45.8	105.5	35,800	47.3	103.0	31,400 *	110
115	40.9	101.0	33,100	42.7	99.8	33,400	44.2	97.1	30,800 *	115
120	37.8	94.7	31,000	39.5	93.4	31,300				120
125	34.3	87.5	29,100	36.0	86.1	29,300				125
130	30.5	79.3	27,300	32.1	77.8	27,500				130
135	26.2	69.7	25,600							135
140	21.1	57.7	24,100							140

14000 S-2

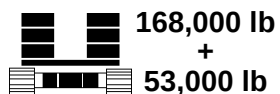
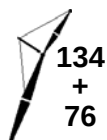
ANSI B30.5



	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	79.4	159.5	63,000 *							35
40	77.5	158.4	63,000 *	79.4	157.6	59,400 *				40
45	75.6	157.1	62,800 *	77.5	156.3	58,400 *	79.4	154.5	49,100 *	45
50	73.6	155.6	61,600 *	75.6	154.8	57,500 *	77.5	153.0	47,000 *	50
55	71.7	154.0	60,400 *	73.6	153.2	56,700 *	75.5	151.3	45,100 *	55
60	69.7	152.1	59,300 *	71.6	151.3	55,900 *	73.5	149.4	43,300 *	60
65	67.7	150.1	58,300 *	69.6	149.2	55,200 *	71.4	147.3	41,800 *	65
70	65.7	147.8	57,400 *	67.5	147.0	54,500 *	69.4	145.0	40,300 *	70
75	63.6	145.4	56,500 *	65.5	144.5	53,800 *	67.3	142.5	39,000 *	75
80	61.5	142.7	55,600 *	63.3	141.8	53,200 *	65.1	139.8	37,800 *	80
85	59.3	139.7	51,200	61.2	138.8	51,900	62.9	136.8	36,700 *	85
90	57.1	136.5	47,200	59.0	135.6	47,900	60.7	133.5	35,600 *	90
95	54.9	133.0	43,700	56.7	132.1	44,300	58.3	129.9	34,700 *	95
100	52.6	129.2	40,500	54.3	128.2	41,100	56.0	126.0	33,800 *	100
105	50.2	125.1	37,700	51.9	124.1	38,200	53.5	121.7	33,000 *	105
110	47.7	120.6	35,200	49.4	119.5	35,600	50.9	117.1	32,300 *	110
115	45.1	115.7	32,900	46.8	114.5	33,200	48.2	112.0	31,600 *	115
120	42.3	110.2	30,700	44.0	109.1	31,100	45.4	106.4	31,100 *	120
125	39.4	104.3	28,800	41.1	103.0	29,100	42.4	100.2	29,400	125
130	36.4	97.6	27,000	38.0	96.3	27,300				130
135	33.0	90.2	25,400	34.6	88.7	25,600				135
140	29.4	81.6	23,900	30.8	79.9	24,100				140
145	25.2	71.5	22,500							145
150	20.2	59.0	21,100							150

14000 S-2

ANSI B30.5



134.5 ft

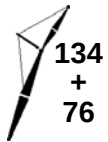


30.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	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 *	72.6	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	55,500	65.1	153.0	53,500 *	66.8	151.0	38,700 *	80
85	61.4	151.1	50,900	63.1	150.2	51,600	64.8	148.2	37,600 *	85
90	59.4	148.2	46,900	61.1	147.3	47,600	62.7	145.2	36,600 *	90
95	57.3	145.0	43,400	59.0	144.1	44,000	60.6	141.9	35,600 *	95
100	55.2	141.5	40,200	56.9	140.6	40,800	58.4	138.4	34,700 *	100
105	53.0	137.8	37,400	54.7	136.8	37,900	56.2	134.6	33,900 *	105
110	50.7	133.8	34,800	52.4	132.7	35,300	53.9	130.4	33,200 *	110
115	48.4	129.4	32,500	50.1	128.3	32,900	51.5	125.9	32,500 *	115
120	46.0	124.6	30,400	47.6	123.5	30,800	49.0	121.0	31,100	120
125	43.5	119.4	28,500	45.1	118.2	28,800	46.4	115.6	29,100	125
130	40.9	113.7	26,700	42.4	112.5	27,000	43.7	109.7	27,300	130
135	38.1	107.5	25,100	39.6	106.1	25,400				135
140	35.1	100.5	23,600	36.6	99.1	23,800				140
145	31.9	92.7	22,200	33.3	91.1	22,400				145
150	28.3	83.7	20,900							150
155	24.2	73.2	19,600							155

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



144.4 ft

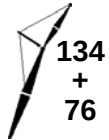


30.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	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 *	78.9	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	55,000	66.6	164.0	53,800 *	68.2	162.0	39,600 *	80
85	63.1	162.3	50,500	64.8	161.5	51,200	66.4	159.4	38,500 *	85
90	61.3	159.6	46,400	62.9	158.7	47,200	64.5	156.6	37,400 *	90
95	59.4	156.7	42,900	61.0	155.7	43,500	62.5	153.6	36,500 *	95
100	57.4	153.5	39,700	59.0	152.5	40,300	60.5	150.4	35,600 *	100
105	55.4	150.1	36,900	57.0	149.1	37,500	58.5	146.9	34,700 *	105
110	53.4	146.4	34,400	55.0	145.4	34,900	56.4	143.1	34,000 *	110
115	51.3	142.4	32,100	52.8	141.4	32,500	54.2	139.0	32,900	115
120	49.1	138.1	30,000	50.7	137.0	30,400	52.0	134.6	30,800	120
125	46.9	133.5	28,000	48.4	132.4	28,400	49.7	129.9	28,800	125
130	44.5	128.5	26,300	46.1	127.3	26,600	47.3	124.7	26,900	130
135	42.1	123.0	24,600	43.6	121.8	25,000	44.8	119.0	25,200	135
140	39.5	117.0	23,100	41.0	115.8	23,400	42.1	112.9	23,600	140
145	36.8	110.5	21,700	38.3	109.1	22,000				145
150	33.9	103.2	20,400	35.3	101.8	20,600				150
155	30.8	95.1	19,200	32.1	93.5	19,400				155
160	27.3	85.8	18,000							160
165	23.4	74.8	17,000							165

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



154.2 ft

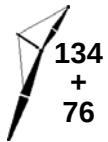


30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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 *	77.9	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	54,700	68.0	174.9	53,900 *	69.5	172.9	40,400 *	80
85	64.7	173.4	50,100	66.3	172.5	50,900	67.8	170.5	39,300 *	85
90	62.9	170.8	46,100	64.5	169.9	46,800	66.0	167.9	38,300 *	90
95	61.2	168.1	42,500	62.7	167.2	43,200	64.2	165.1	37,300 *	95
100	59.4	165.2	39,400	60.9	164.2	40,000	62.3	162.1	36,400 *	100
105	57.5	162.0	36,600	59.1	161.0	37,100	60.5	158.9	35,600 *	105
110	55.6	158.6	34,000	57.2	157.6	34,500	58.5	155.4	34,800 *	110
115	53.7	154.9	31,700	55.2	153.9	32,200	56.6	151.7	32,600	115
120	51.7	151.0	29,600	53.2	150.0	30,100	54.5	147.7	30,500	120
125	49.7	146.8	27,700	51.2	145.8	28,100	52.5	143.3	28,500	125
130	47.6	142.3	25,900	49.1	141.2	26,300	50.3	138.7	26,600	130
135	45.4	137.4	24,300	46.9	136.3	24,600	48.1	133.7	24,900	135
140	43.2	132.2	22,800	44.6	131.0	23,100	45.7	128.3	23,400	140
145	40.8	126.5	21,400	42.2	125.2	21,700	43.3	122.4	21,900	145
150	38.3	120.2	20,100	39.7	118.9	20,300				150
155	35.7	113.4	18,900	37.0	112.0	19,100				155
160	32.9	105.9	17,700	34.2	104.3	17,900				160
165	29.8	97.4	16,600	31.1	95.7	16,800				165
170	26.4	87.7	15,600							170
175	22.6	76.4	14,700							175

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



164.0 ft

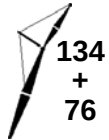


30.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	ft
40	80.0	198.6	63,000 *							40
45	78.5	197.6	63,000 *	80.1	196.8	58,500 *				45
50	77.0	196.5	62,200 *	78.6	195.6	57,800 *	80.1	193.7	49,900 *	50
55	75.5	195.2	61,300 *	77.0	194.3	57,100 *	78.6	192.4	48,100 *	55
60	74.0	193.7	60,400 *	75.5	192.9	56,400 *	77.0	191.0	46,500 *	60
65	72.4	192.2	59,500 *	73.9	191.3	55,800 *	75.5	189.4	45,000 *	65
70	70.9	190.4	58,700 *	72.4	189.6	55,200 *	73.9	187.6	43,700 *	70
75	69.3	188.5	57,900 *	70.8	187.7	54,600 *	72.3	185.7	42,400 *	75
80	67.7	186.5	54,400	69.2	185.6	54,100 *	70.6	183.6	41,200 *	80
85	66.1	184.3	49,800	67.6	183.4	50,700	69.0	181.4	40,100 *	85
90	64.4	181.9	45,800	65.9	181.0	46,600	67.3	178.9	39,000 *	90
95	62.8	179.3	42,300	64.2	178.4	43,000	65.6	176.3	38,100 *	95
100	61.1	176.6	39,100	62.6	175.6	39,800	63.9	173.5	37,200 *	100
105	59.4	173.6	36,300	60.8	172.7	36,900	62.2	170.5	36,300 *	105
110	57.6	170.5	33,700	59.1	169.5	34,300	60.4	167.3	34,800	110
115	55.8	167.1	31,400	57.3	166.1	31,900	58.6	163.9	32,400	115
120	54.0	163.5	29,300	55.4	162.5	29,800	56.7	160.2	30,200	120
125	52.2	159.6	27,400	53.6	158.6	27,800	54.8	156.3	28,200	125
130	50.2	155.5	25,600	51.6	154.4	26,000	52.9	152.0	26,400	130
135	48.3	151.1	24,000	49.7	150.0	24,400	50.8	147.5	24,700	135
140	46.2	146.3	22,500	47.6	145.2	22,800	48.8	142.6	23,100	140
145	44.1	141.2	21,100	45.5	140.1	21,400	46.6	137.4	21,700	145
150	41.9	135.7	19,800	43.3	134.5	20,100	44.3	131.7	20,300	150
155	39.6	129.8	18,600	40.9	128.5	18,800	41.9	125.6	19,100	155
160	37.2	123.3	17,400	38.5	122.0	17,700				160
165	34.7	116.2	16,400	35.9	114.8	16,600				165
170	31.9	108.4	15,400	33.1	106.8	15,600				170
175	28.9	99.6	14,400							175
180	25.6	89.6	13,500							180
185	21.8	77.8	12,700							185

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

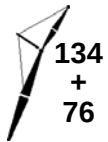


30.0 ft

	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40	80.5	208.6	63,000 *							40
45	79.1	207.7	63,000 *	80.6	206.8	58,400 *				45
50	77.7	206.6	62,100 *	79.1	205.7	57,700 *	80.6	203.8	50,500 *	50
55	76.2	205.4	61,200 *	77.7	204.5	57,000 *	79.2	202.6	48,800 *	55
60	74.8	204.0	60,400 *	76.2	203.1	56,400 *	77.7	201.2	47,200 *	60
65	73.3	202.5	59,600 *	74.7	201.6	55,800 *	76.2	199.7	45,700 *	65
70	71.8	200.9	58,800 *	73.3	200.0	55,200 *	74.7	198.0	44,400 *	70
75	70.3	199.1	58,000 *	71.8	198.2	54,600 *	73.2	196.2	43,100 *	75
80	68.8	197.1	54,100	70.3	196.3	54,100 *	71.6	194.3	41,900 *	80
85	67.3	195.1	49,500	68.7	194.2	50,300	70.1	192.2	40,800 *	85
90	65.8	192.8	45,400	67.2	191.9	46,300	68.5	189.9	39,800 *	90
95	64.2	190.4	41,900	65.6	189.5	42,600	66.9	187.4	38,800 *	95
100	62.6	187.8	38,700	64.0	186.9	39,400	65.3	184.8	37,900 *	100
105	61.0	185.1	35,900	62.4	184.1	36,500	63.7	182.0	37,100 *	105
110	59.4	182.1	33,300	60.8	181.1	33,900	62.0	179.0	34,500	110
115	57.7	179.0	31,000	59.1	178.0	31,600	60.4	175.8	32,100	115
120	56.0	175.6	28,900	57.4	174.6	29,500	58.6	172.4	29,900	120
125	54.3	172.0	27,000	55.7	171.0	27,500	56.9	168.7	27,900	125
130	52.5	168.2	25,200	53.9	167.2	25,700	55.1	164.8	26,100	130
135	50.7	164.2	23,600	52.1	163.1	24,000	53.2	160.7	24,400	135
140	48.9	159.8	22,100	50.2	158.7	22,500	51.3	156.2	22,800	140
145	46.9	155.2	20,700	48.2	154.1	21,100	49.3	151.5	21,400	145
150	45.0	150.2	19,400	46.3	149.1	19,800	47.3	146.4	20,000	150
155	42.9	144.9	18,200	44.2	143.7	18,500	45.2	140.9	18,800	155
160	40.8	139.2	17,100	42.0	137.9	17,400	43.0	135.0	17,600	160
165	38.5	133.0	16,000	39.8	131.7	16,300				165
170	36.2	126.3	15,000	37.4	124.9	15,200				170
175	33.7	119.0	14,100	34.9	117.4	14,300				175
180	31.0	110.8	13,200	32.1	109.2	13,400				180
185	28.1	101.8	12,300							185
190	24.9	91.4	11,500							190
195	21.2	79.2	10,800							195

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



183.7 ft

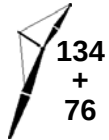


30.0 ft

	5°			15°			25°			
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	49,400 *	55
60	75.5	214.2	60,300 *	76.9	213.4	56,300 *	78.3	211.4	47,800 *	60
65	74.1	212.8	59,500 *	75.5	211.9	55,700 *	76.9	210.0	46,400 *	65
70	72.7	211.2	58,700 *	74.1	210.4	55,100 *	75.4	208.4	45,000 *	70
75	71.3	209.5	58,000 *	72.6	208.7	54,600 *	74.0	206.7	43,800 *	75
80	69.8	207.7	53,600	71.2	206.8	54,100 *	72.6	204.8	42,600 *	80
85	68.4	205.7	49,000	69.8	204.8	49,900	71.1	202.8	41,500 *	85
90	66.9	203.6	45,000	68.3	202.7	45,800	69.6	200.7	40,500 *	90
95	65.5	201.3	41,400	66.8	200.4	42,200	68.1	198.4	39,500 *	95
100	64.0	198.9	38,300	65.3	198.0	39,000	66.6	195.9	38,600 *	100
105	62.5	196.3	35,400	63.8	195.4	36,100	65.1	193.3	36,800	105
110	60.9	193.5	32,900	62.3	192.6	33,500	63.5	190.4	34,100	110
115	59.4	190.6	30,600	60.7	189.6	31,200	61.9	187.4	31,700	115
120	57.8	187.5	28,500	59.1	186.5	29,000	60.3	184.3	29,500	120
125	56.2	184.1	26,500	57.5	183.1	27,100	58.7	180.9	27,500	125
130	54.5	180.6	24,800	55.8	179.6	25,300	57.0	177.3	25,700	130
135	52.9	176.8	23,100	54.1	175.8	23,600	55.3	173.4	24,000	135
140	51.1	172.8	21,600	52.4	171.7	22,100	53.5	169.3	22,400	140
145	49.4	168.6	20,200	50.6	167.5	20,600	51.7	165.0	21,000	145
150	47.6	164.0	18,900	48.8	162.9	19,300	49.9	160.3	19,600	150
155	45.7	159.2	17,700	46.9	158.0	18,100	48.0	155.4	18,400	155
160	43.8	154.0	16,600	45.0	152.8	16,900	46.0	150.1	17,200	160
165	41.8	148.5	15,500	43.0	147.2	15,800	43.9	144.4	16,100	165
170	39.7	142.6	14,500	40.9	141.2	14,800	41.8	138.3	15,000	170
175	37.5	136.1	13,600	38.7	134.8	13,800				175
180	35.2	129.2	12,700	36.4	127.7	12,900				180
185	32.8	121.6	11,900	33.9	120.0	12,100				185
190	30.2	113.2	11,100	31.2	111.5	11,300				190
195	27.3	103.8	10,300							195
200	24.2	93.1	9,600							200
205	20.5	80.5	8,900							205

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



193.6 ft

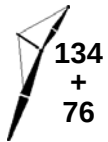


30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
45	80.1	227.7	62,600 *							45
50	78.8	226.7	61,300 *	80.1	225.9	57,300 *				50
55	77.5	225.6	60,900 *	78.8	224.8	56,700 *	80.1	222.9	49,900 *	55
60	76.1	224.4	60,100 *	77.5	223.5	56,100 *	78.8	221.6	48,400 *	60
65	74.8	223.0	59,400 *	76.1	222.2	55,500 *	77.5	220.2	47,000 *	65
70	73.5	221.6	58,600 *	74.8	220.7	55,000 *	76.1	218.7	45,600 *	70
75	72.1	219.9	58,000 *	73.4	219.1	54,500 *	74.7	217.1	44,400 *	75
80	70.8	218.2	53,200	72.1	217.3	54,000 *	73.4	215.3	43,300 *	80
85	69.4	216.3	48,600	70.7	215.4	49,600	72.0	213.4	42,200 *	85
90	68.0	214.3	44,600	69.3	213.4	45,500	70.6	211.4	41,100 *	90
95	66.6	212.2	41,100	67.9	211.2	41,900	69.2	209.2	40,200 *	95
100	65.2	209.9	37,900	66.5	208.9	38,700	67.7	206.9	39,300 *	100
105	63.8	207.4	35,100	65.1	206.5	35,800	66.3	204.4	36,500	105
110	62.3	204.8	32,500	63.6	203.8	33,200	64.8	201.7	33,800	110
115	60.9	202.0	30,200	62.1	201.1	30,800	63.3	198.9	31,400	115
120	59.4	199.1	28,100	60.6	198.1	28,700	61.8	195.9	29,200	120
125	57.9	195.9	26,100	59.1	194.9	26,700	60.3	192.7	27,200	125
130	56.3	192.6	24,400	57.6	191.6	24,900	58.7	189.4	25,400	130
135	54.8	189.1	22,800	56.0	188.1	23,200	57.1	185.8	23,700	135
140	53.2	185.4	21,200	54.4	184.3	21,700	55.5	182.0	22,100	140
145	51.5	181.4	19,900	52.8	180.4	20,300	53.8	178.0	20,600	145
150	49.9	177.3	18,600	51.1	176.2	18,900	52.1	173.7	19,300	150
155	48.1	172.8	17,300	49.3	171.7	17,700	50.4	169.1	18,000	155
160	46.4	168.1	16,200	47.6	166.9	16,600	48.6	164.3	16,800	160
165	44.6	163.1	15,200	45.7	161.9	15,500	46.7	159.1	15,700	165
170	42.7	157.7	14,200	43.8	156.4	14,500	44.8	153.6	14,700	170
175	40.7	152.0	13,200	41.9	150.7	13,500	42.8	147.7	13,700	175
180	38.7	145.8	12,300	39.8	144.4	12,600				180
185	36.6	139.2	11,500	37.7	137.7	11,700				185
190	34.3	132.0	10,700	35.4	130.5	10,900				190
195	31.9	124.1	10,000	33.0	122.5	10,100				195
200	29.4	115.5	9,200	30.4	113.7	9,400				200
205	26.6	105.8	8,600							205
210	23.5	94.8	7,900							210
215	19.9	81.8	7,300							215

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



203.4 ft

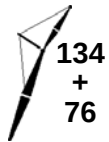


30.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	ft
45	80.5	237.7	62,100 *							45
50	79.2	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	52,900	72.9	227.8	53,900 *	74.1	225.8	43,900 *	80
85	70.3	226.9	48,300	71.6	226.0	49,300	72.8	224.0	42,800 *	85
90	69.0	224.9	44,300	70.2	224.0	45,200	71.5	222.0	41,800 *	90
95	67.7	222.9	40,700	68.9	222.0	41,600	70.1	219.9	40,800 *	95
100	66.3	220.7	37,600	67.6	219.8	38,400	68.8	217.7	39,100	100
105	65.0	218.4	34,700	66.2	217.4	35,500	67.4	215.4	36,200	105
110	63.6	215.9	32,200	64.8	215.0	32,900	66.0	212.8	33,500	110
115	62.2	213.3	29,900	63.4	212.3	30,500	64.6	210.2	31,100	115
120	60.8	210.5	27,700	62.0	209.5	28,400	63.2	207.4	28,900	120
125	59.4	207.5	25,800	60.6	206.6	26,400	61.7	204.4	26,900	125
130	57.9	204.4	24,100	59.1	203.4	24,600	60.2	201.2	25,100	130
135	56.5	201.1	22,400	57.7	200.1	22,900	58.7	197.8	23,400	135
140	55.0	197.6	20,900	56.2	196.6	21,400	57.2	194.3	21,800	140
145	53.4	194.0	19,500	54.6	192.9	20,000	55.7	190.5	20,400	145
150	51.9	190.1	18,200	53.1	189.0	18,600	54.1	186.6	19,000	150
155	50.3	185.9	17,000	51.5	184.8	17,400	52.5	182.4	17,800	155
160	48.7	181.6	15,900	49.8	180.4	16,300	50.8	177.9	16,600	160
165	47.0	176.9	14,800	48.1	175.8	15,200	49.1	173.2	15,500	165
170	45.3	172.0	13,800	46.4	170.8	14,200	47.3	168.1	14,400	170
175	43.5	166.8	12,900	44.6	165.6	13,200	45.5	162.8	13,400	175
180	41.7	161.2	12,000	42.8	160.0	12,300	43.6	157.1	12,500	180
185	39.8	155.3	11,200	40.8	154.0	11,400				185
190	37.8	148.9	10,400	38.8	147.5	10,600				190
195	35.7	142.1	9,600	36.7	140.6	9,900				195
200	33.5	134.7	8,900	34.5	133.1	9,100				200
205	31.2	126.6	8,300	32.1	124.9	8,400				205
210	28.6	117.7	7,600							210
215	25.9	107.7	7,000							215
220	22.9	96.3	6,400							220

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

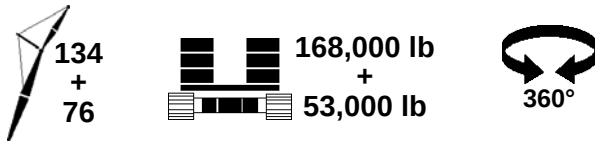


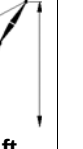
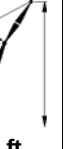
30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
45	80.9	247.7	61,600 *							45
50	79.7	246.8	60,900 *	80.9	246.0	56,600 *				50
55	78.5	245.8	60,200 *	79.7	244.9	56,000 *	81.0	243.0	50,900 *	55
60	77.3	244.7	59,500 *	78.5	243.8	55,500 *	79.7	241.9	49,400 *	60
65	76.1	243.4	58,800 *	77.3	242.6	55,000 *	78.5	240.6	48,100 *	65
70	74.8	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	52,600	73.6	238.1	53,600 *	74.8	236.1	44,500 *	80
85	71.1	237.3	48,000	72.3	236.4	49,000	73.5	234.4	43,400 *	85
90	69.9	235.5	43,900	71.1	234.6	44,900	72.3	232.6	42,400 *	90
95	68.6	233.5	40,400	69.8	232.6	41,200	71.0	230.6	41,400 *	95
100	67.3	231.5	37,200	68.5	230.5	38,000	69.7	228.5	38,800	100
105	66.1	229.2	34,400	67.2	228.3	35,100	68.4	226.2	35,900	105
110	64.8	226.9	31,800	65.9	226.0	32,500	67.1	223.9	33,200	110
115	63.4	224.4	29,500	64.6	223.4	30,200	65.7	221.3	30,800	115
120	62.1	221.8	27,400	63.3	220.8	28,000	64.4	218.6	28,600	120
125	60.8	219.0	25,400	61.9	218.0	26,000	63.0	215.8	26,600	125
130	59.4	216.0	23,700	60.5	215.0	24,200	61.6	212.8	24,800	130
135	58.0	212.9	22,000	59.2	211.9	22,600	60.2	209.7	23,100	135
140	56.6	209.6	20,500	57.7	208.6	21,000	58.8	206.3	21,500	140
145	55.2	206.2	19,100	56.3	205.1	19,600	57.3	202.8	20,000	145
150	53.7	202.5	17,800	54.8	201.5	18,300	55.8	199.1	18,700	150
155	52.2	198.7	16,600	53.3	197.6	17,000	54.3	195.2	17,400	155
160	50.7	194.6	15,500	51.8	193.5	15,900	52.8	191.0	16,200	160
165	49.1	190.3	14,400	50.2	189.2	14,800	51.2	186.6	15,100	165
170	47.6	185.7	13,400	48.6	184.6	13,800	49.6	182.0	14,100	170
175	45.9	180.9	12,500	47.0	179.8	12,800	47.9	177.1	13,100	175
180	44.2	175.8	11,600	45.3	174.6	11,900	46.2	171.9	12,200	180
185	42.5	170.4	10,800	43.6	169.2	11,100	44.4	166.3	11,300	185
190	40.7	164.7	10,000	41.7	163.4	10,300	42.6	160.4	10,500	190
195	38.8	158.6	9,300	39.9	157.2	9,500				195
200	36.9	152.0	8,600	37.9	150.6	8,800				200
205	34.9	144.9	7,900	35.8	143.4	8,100				205
210	32.7	137.3	7,200	33.7	135.7	7,400				210
215	30.4	129.0	6,600	31.3	127.3	6,800				215
220	28.0	119.8	6,000							220
225	25.3	109.5	5,500							225
230	22.3	97.9	4,900							230

14000 S-2

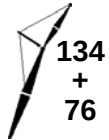
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	75.4	250.0	53,700 *	76.6	248.0	46,100 *	75
80	73.1	249.4	52,000	74.3	248.5	53,200	75.4	246.5	45,000 *	80
85	71.9	247.7	47,400	73.1	246.8	48,500	74.2	244.8	43,900 *	85
90	70.7	246.0	43,400	71.9	245.1	44,400	73.0	243.1	43,000 *	90
95	69.5	244.1	39,800	70.6	243.2	40,700	71.8	241.2	41,600	95
100	68.3	242.1	36,600	69.4	241.2	37,500	70.5	239.2	38,300	100
105	67.0	240.0	33,800	68.2	239.1	34,600	69.3	237.0	35,400	105
110	65.8	237.8	31,200	66.9	236.8	32,000	68.0	234.8	32,700	110
115	64.6	235.4	28,900	65.7	234.5	29,600	66.8	232.3	30,300	115
120	63.3	232.9	26,800	64.4	231.9	27,500	65.5	229.8	28,100	120
125	62.0	230.2	24,800	63.1	229.3	25,500	64.2	227.1	26,100	125
130	60.7	227.4	23,100	61.8	226.5	23,700	62.9	224.3	24,200	130
135	59.4	224.5	21,400	60.5	223.5	22,000	61.5	221.3	22,500	135
140	58.1	221.4	19,900	59.2	220.4	20,500	60.2	218.1	21,000	140
145	56.7	218.1	18,500	57.8	217.1	19,000	58.8	214.8	19,500	145
150	55.3	214.7	17,200	56.4	213.6	17,700	57.4	211.3	18,100	150
155	53.9	211.1	16,000	55.0	210.0	16,500	56.0	207.6	16,900	155
160	52.5	207.2	14,900	53.6	206.2	15,300	54.5	203.7	15,700	160
165	51.1	203.2	13,800	52.1	202.1	14,200	53.1	199.7	14,600	165
170	49.6	199.0	12,800	50.6	197.9	13,200	51.5	195.3	13,500	170
175	48.1	194.5	11,900	49.1	193.4	12,300	50.0	190.8	12,600	175
180	46.5	189.8	11,000	47.5	188.6	11,400	48.4	186.0	11,600	180
185	44.9	184.8	10,200	45.9	183.6	10,500	46.8	180.9	10,800	185
190	43.3	179.6	9,400	44.3	178.3	9,700	45.1	175.5	9,900	190
195	41.6	174.0	8,700	42.6	172.7	8,900	43.4	169.8	9,100	195
200	39.8	168.1	8,000	40.8	166.7	8,200				200
205	38.0	161.7	7,300	39.0	160.3	7,500				205
210	36.1	155.0	6,600	37.0	153.5	6,800				210
215	34.1	147.7	6,000	35.0	146.2	6,200				215
220	32.0	139.8	5,400	32.9	138.2	5,600				220
225	29.7	131.3	4,900	30.6	129.5	5,000				225
230	27.3	121.8	4,300							230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



232.9 ft

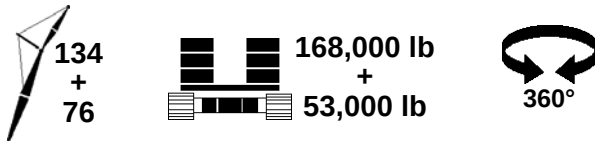


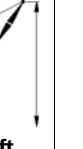
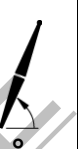
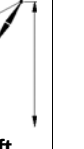
30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	80.5	266.8	59,900 *							50
55	79.4	265.9	59,200 *	80.5	265.0	55,300 *				55
60	78.2	264.9	58,600 *	79.4	264.0	54,800 *	80.5	262.0	50,400 *	60
65	77.1	263.7	57,900 *	78.3	262.8	54,300 *	79.4	260.9	49,100 *	65
70	76.0	262.5	57,300 *	77.1	261.6	53,800 *	78.3	259.6	47,800 *	70
75	74.9	261.1	56,700 *	76.0	260.2	53,400 *	77.1	258.3	46,600 *	75
80	73.7	259.7	52,200	74.9	258.8	53,000 *	76.0	256.8	45,500 *	80
85	72.6	258.1	47,600	73.7	257.2	48,700	74.8	255.2	44,500 *	85
90	71.5	256.4	43,500	72.6	255.5	44,500	73.7	253.5	43,500 *	90
95	70.3	254.6	40,000	71.4	253.7	40,900	72.5	251.7	41,800	95
100	69.1	252.7	36,800	70.2	251.8	37,700	71.3	249.8	38,500	100
105	68.0	250.7	33,900	69.1	249.8	34,700	70.1	247.7	35,500	105
110	66.8	248.6	31,400	67.9	247.6	32,100	68.9	245.6	32,900	110
115	65.6	246.3	29,000	66.7	245.4	29,800	67.7	243.3	30,400	115
120	64.4	243.9	26,900	65.5	243.0	27,600	66.5	240.8	28,200	120
125	63.1	241.4	25,000	64.2	240.4	25,600	65.3	238.3	26,200	125
130	61.9	238.7	23,200	63.0	237.8	23,800	64.0	235.6	24,400	130
135	60.7	235.9	21,600	61.7	234.9	22,200	62.7	232.7	22,700	135
140	59.4	233.0	20,100	60.5	232.0	20,600	61.5	229.7	21,100	140
145	58.1	229.9	18,700	59.2	228.9	19,200	60.1	226.6	19,700	145
150	56.8	226.6	17,400	57.9	225.6	17,900	58.8	223.3	18,300	150
155	55.5	223.2	16,200	56.5	222.2	16,600	57.5	219.8	17,000	155
160	54.1	219.6	15,000	55.2	218.5	15,500	56.1	216.2	15,900	160
165	52.8	215.8	14,000	53.8	214.7	14,400	54.7	212.3	14,800	165
170	51.4	211.9	13,000	52.4	210.8	13,400	53.3	208.3	13,700	170
175	50.0	207.7	12,100	51.0	206.6	12,400	51.9	204.0	12,700	175
180	48.5	203.3	11,200	49.5	202.1	11,500	50.4	199.6	11,800	180
185	47.0	198.7	10,300	48.0	197.5	10,700	48.9	194.8	10,900	185
190	45.5	193.8	9,600	46.5	192.6	9,900	47.3	189.9	10,100	190
195	44.0	188.6	8,800	44.9	187.4	9,100	45.7	184.6	9,300	195
200	42.3	183.2	8,100	43.3	181.9	8,400	44.1	179.0	8,600	200
205	40.7	177.4	7,400	41.6	176.1	7,700	42.4	173.1	7,900	205
210	39.0	171.3	6,800	39.9	170.0	7,000				210
215	37.2	164.8	6,200	38.1	163.4	6,400				215
220	35.3	157.9	5,600	36.2	156.4	5,800				220
225	33.3	150.4	5,000	34.2	148.8	5,200				225
230	31.3	142.3	4,500	32.1	140.6	4,700				230
235	29.1	133.5	4,000							235

14000 S-2

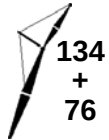
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50	80.8	276.8	59,300 *							50
55	79.8	275.9	58,600 *	80.9	275.0	54,800 *				55
60	78.7	274.9	58,000 *	79.8	274.0	54,400 *	80.9	272.1	50,800 *	60
65	77.6	273.8	57,400 *	78.7	272.9	53,900 *	79.8	271.0	49,500 *	65
70	76.5	272.6	56,700 *	77.6	271.7	53,500 *	78.7	269.8	48,300 *	70
75	75.4	271.3	56,200 *	76.5	270.4	53,100 *	77.6	268.5	47,100 *	75
80	74.3	269.9	51,900	75.4	269.0	52,700 *	76.5	267.0	46,000 *	80
85	73.3	268.4	47,300	74.3	267.5	48,400	75.4	265.5	45,000 *	85
90	72.1	266.8	43,200	73.2	265.9	44,200	74.3	263.9	44,000 *	90
95	71.0	265.1	39,600	72.1	264.2	40,600	73.2	262.2	41,500	95
100	69.9	263.3	36,500	71.0	262.4	37,300	72.0	260.3	38,200	100
105	68.8	261.3	33,600	69.9	260.4	34,400	70.9	258.4	35,300	105
110	67.7	259.3	31,000	68.7	258.4	31,800	69.7	256.3	32,600	110
115	66.5	257.1	28,700	67.6	256.2	29,400	68.6	254.1	30,200	115
120	65.4	254.8	26,600	66.4	253.9	27,300	67.4	251.8	28,000	120
125	64.2	252.4	24,700	65.2	251.5	25,300	66.2	249.3	25,900	125
130	63.0	249.9	22,900	64.1	248.9	23,500	65.0	246.8	24,100	130
135	61.8	247.2	21,200	62.9	246.2	21,800	63.8	244.0	22,400	135
140	60.6	244.4	19,700	61.7	243.4	20,300	62.6	241.2	20,800	140
145	59.4	241.5	18,300	60.4	240.5	18,900	61.4	238.2	19,400	145
150	58.2	238.4	17,000	59.2	237.3	17,500	60.1	235.1	18,000	150
155	56.9	235.1	15,800	57.9	234.1	16,300	58.9	231.8	16,700	155
160	55.6	231.7	14,700	56.7	230.7	15,100	57.6	228.3	15,600	160
165	54.3	228.1	13,600	55.4	227.1	14,100	56.3	224.7	14,400	165
170	53.0	224.4	12,600	54.0	223.3	13,000	54.9	220.9	13,400	170
175	51.7	220.5	11,700	52.7	219.4	12,100	53.6	216.9	12,400	175
180	50.3	216.3	10,800	51.3	215.2	11,200	52.2	212.7	11,500	180
185	48.9	212.0	10,000	49.9	210.9	10,300	50.8	208.3	10,600	185
190	47.5	207.5	9,200	48.5	206.3	9,500	49.3	203.7	9,800	190
195	46.1	202.7	8,500	47.0	201.5	8,800	47.8	198.8	9,000	195
200	44.6	197.7	7,800	45.5	196.4	8,000	46.3	193.6	8,300	200
205	43.1	192.3	7,100	44.0	191.1	7,300	44.7	188.2	7,600	205
210	41.5	186.7	6,400	42.4	185.4	6,700	43.1	182.5	6,900	210
215	39.8	180.8	5,800	40.8	179.5	6,100				215
220	38.2	174.5	5,200	39.1	173.1	5,500				220
225	36.4	167.8	4,700	37.3	166.4	4,900				225
230	34.6	160.7	4,200	35.4	159.1	4,300				230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



252.6 ft

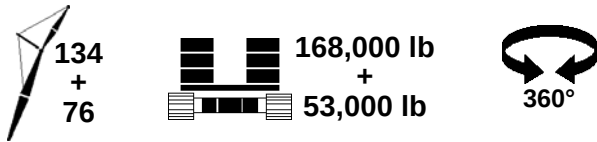


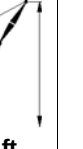
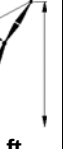
30.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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	51,500	76.0	279.3	52,200 *	77.0	277.3	46,500 *	80
85	73.9	278.7	46,900	74.9	277.8	48,000	75.9	275.8	45,500 *	85
90	72.8	277.2	42,800	73.8	276.3	43,900	74.9	274.2	44,500 *	90
95	71.7	275.5	39,300	72.8	274.6	40,200	73.8	272.6	41,200	95
100	70.6	273.8	36,100	71.7	272.9	37,000	72.7	270.8	37,900	100
105	69.6	271.9	33,200	70.6	271.0	34,100	71.6	268.9	34,900	105
110	68.5	269.9	30,600	69.5	269.0	31,500	70.5	266.9	32,300	110
115	67.4	267.9	28,300	68.4	266.9	29,100	69.4	264.8	29,800	115
120	66.3	265.7	26,200	67.3	264.7	26,900	68.3	262.6	27,600	120
125	65.2	263.4	24,300	66.2	262.4	24,900	67.1	260.3	25,600	125
130	64.0	260.9	22,500	65.0	260.0	23,100	66.0	257.8	23,800	130
135	62.9	258.4	20,900	63.9	257.4	21,500	64.8	255.2	22,000	135
140	61.7	255.7	19,300	62.7	254.7	19,900	63.7	252.5	20,500	140
145	60.6	252.9	17,900	61.6	251.9	18,500	62.5	249.7	19,000	145
150	59.4	249.9	16,600	60.4	248.9	17,200	61.3	246.7	17,600	150
155	58.2	246.8	15,400	59.2	245.8	15,900	60.1	243.5	16,400	155
160	57.0	243.6	14,300	58.0	242.6	14,800	58.9	240.3	15,200	160
165	55.8	240.2	13,200	56.8	239.2	13,700	57.6	236.8	14,100	165
170	54.5	236.7	12,200	55.5	235.6	12,700	56.4	233.2	13,000	170
175	53.3	233.0	11,300	54.2	231.9	11,700	55.1	229.5	12,100	175
180	52.0	229.1	10,400	52.9	228.0	10,800	53.8	225.5	11,100	180
185	50.7	225.0	9,600	51.6	223.9	10,000	52.5	221.4	10,300	185
190	49.3	220.7	8,800	50.3	219.6	9,100	51.1	217.0	9,400	190
195	48.0	216.2	8,100	48.9	215.1	8,400	49.7	212.5	8,700	195
200	46.6	211.5	7,400	47.5	210.4	7,700	48.3	207.7	7,900	200
205	45.2	206.6	6,700	46.1	205.4	7,000	46.8	202.6	7,200	205
210	43.7	201.4	6,000	44.6	200.2	6,300	45.3	197.3	6,500	210
215	42.2	196.0	5,400	43.1	194.7	5,700	43.8	191.8	5,900	215
220	40.7	190.2	4,800	41.6	188.9	5,100	42.2	185.8	5,300	220
225	39.1	184.1	4,300	39.9	182.7	4,500				225
230				38.3	176.2	4,000				230

14000 S-2

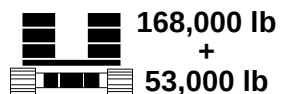
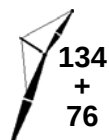
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	ft	lb	ft	lb	ft	ft
55	80.4	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	77.4	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	51,100	76.4	289.5	51,700 *	77.5	287.5	47,000 *	80
85	74.4	289.0	46,500	75.4	288.1	47,700	76.4	286.1	45,900 *	85
90	73.4	287.5	42,400	74.4	286.6	43,500	75.4	284.6	44,600	90
95	72.4	285.9	38,800	73.4	285.0	39,900	74.4	283.0	40,900	95
100	71.3	284.2	35,600	72.3	283.3	36,600	73.3	281.3	37,500	100
105	70.3	282.4	32,800	71.3	281.5	33,700	72.3	279.4	34,600	105
110	69.2	280.5	30,200	70.2	279.6	31,100	71.2	277.5	31,900	110
115	68.2	278.5	27,900	69.2	277.6	28,700	70.1	275.5	29,400	115
120	67.1	276.4	25,700	68.1	275.5	26,500	69.1	273.4	27,200	120
125	66.0	274.2	23,800	67.0	273.3	24,500	68.0	271.1	25,200	125
130	65.0	271.9	22,000	66.0	270.9	22,700	66.9	268.8	23,300	130
135	63.9	269.4	20,400	64.9	268.5	21,000	65.8	266.3	21,600	135
140	62.8	266.9	18,900	63.8	265.9	19,500	64.7	263.7	20,100	140
145	61.7	264.2	17,500	62.6	263.2	18,100	63.5	261.0	18,600	145
150	60.5	261.4	16,200	61.5	260.4	16,700	62.4	258.1	17,200	150
155	59.4	258.4	15,000	60.4	257.4	15,500	61.2	255.1	16,000	155
160	58.3	255.3	13,800	59.2	254.3	14,300	60.1	252.0	14,800	160
165	57.1	252.1	12,800	58.0	251.1	13,200	58.9	248.8	13,700	165
170	55.9	248.7	11,800	56.9	247.7	12,200	57.7	245.3	12,600	170
175	54.7	245.2	10,800	55.6	244.1	11,300	56.5	241.8	11,600	175
180	53.5	241.5	9,900	54.4	240.4	10,400	55.2	238.0	10,700	180
185	52.3	237.7	9,100	53.2	236.6	9,500	54.0	234.1	9,800	185
190	51.0	233.6	8,300	51.9	232.5	8,700	52.7	230.0	9,000	190
195	49.7	229.4	7,600	50.6	228.3	7,900	51.4	225.7	8,200	195
200	48.4	225.0	6,900	49.3	223.8	7,200	50.1	221.2	7,500	200
205	47.1	220.4	6,200	48.0	219.2	6,500	48.7	216.5	6,800	205
210	45.7	215.5	5,600	46.6	214.3	5,900	47.3	211.6	6,100	210
215	44.3	210.5	5,000	45.2	209.2	5,200	45.9	206.4	5,500	215
220	42.9	205.1	4,400	43.8	203.8	4,600	44.4	200.9	4,800	220
225				42.3	198.2	4,100	42.9	195.2	4,300	225

14000 S-2

ANSI B30.5

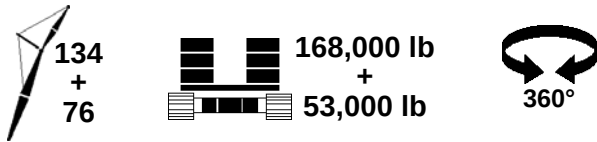


105.0 ft



40.0 ft

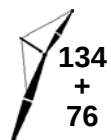
	5°			15°			25°			
35	79.3	149.5	53,700 *							35
40	77.2	148.3	52,400 *	80.0	147.3	48,100 *				40
45	75.2	147.0	51,100 *	77.9	145.9	47,200 *	80.7	143.6	40,100 *	45
50	73.1	145.4	50,000 *	75.8	144.3	46,400 *	78.6	142.0	38,200 *	50
55	71.0	143.6	48,900 *	73.7	142.5	45,700 *	76.4	140.2	36,500 *	55
60	68.9	141.6	47,800 *	71.6	140.5	45,000 *	74.3	138.1	35,000 *	60
65	66.7	139.4	46,900 *	69.4	138.3	44,300 *	72.0	135.9	33,600 *	65
70	64.5	137.0	46,000 *	67.2	135.8	43,700 *	69.8	133.4	32,300 *	70
75	62.3	134.3	45,200 *	64.9	133.1	43,100 *	67.5	130.6	31,200 *	75
80	60.0	131.3	44,400 *	62.6	130.1	41,000 *	65.1	127.6	30,100 *	80
85	57.6	128.1	43,700 *	60.2	126.9	39,100 *	62.7	124.2	29,200 *	85
90	55.2	124.6	43,000 *	57.8	123.3	37,400 *	60.2	120.6	28,300 *	90
95	52.7	120.7	42,400 *	55.2	119.4	35,900 *	57.6	116.6	27,500 *	95
100	50.1	116.5	41,800 *	52.6	115.1	34,500 *	54.9	112.2	26,800 *	100
105	47.4	111.9	38,900 *	49.9	110.4	33,200 *	52.1	107.3	26,100 *	105
110	44.6	106.8	36,400 *	47.0	105.3	32,000 *	49.1	102.0	25,500 *	110
115	41.6	101.1	34,100 *	44.0	99.5	31,000 *	46.0	96.0	25,000 *	115
120	38.4	94.8	31,900 *	40.7	93.1	30,000 *				120
125	35.0	87.7	30,000 *	37.2	85.8	29,200 *				125
130	31.2	79.5	28,200 *	33.3	77.4	28,400 *				130
135	26.9	69.9	26,500 *							135
140	21.8	57.9	25,000 *							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	41,400 *	55.5	128.0	36,000 *	57.7	125.1	27,500 *	100
105	50.8	125.2	38,600	53.1	123.8	34,700 *	55.2	120.8	26,900 *	105
110	48.3	120.7	36,100	50.6	119.3	33,500 *	52.6	116.2	26,200 *	110
115	45.7	115.8	33,700	47.9	114.3	32,400 *	49.9	111.0	25,700 *	115
120	43.0	110.4	31,600	45.2	108.8	31,400 *	47.1	105.3	25,200 *	120
125	40.1	104.4	29,700	42.3	102.7	30,100	44.0	99.1	24,700 *	125
130	37.0	97.8	27,900	39.1	96.0	28,200				130
135	33.7	90.3	26,200	35.7	88.3	26,500				135
140	30.0	81.8	24,700	31.9	79.6	25,000				140
145	25.8	71.7	23,300							145

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



124.7 ft

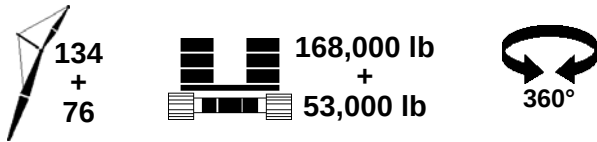


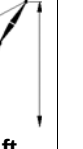
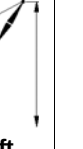
40.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
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	164.4	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	61.9	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	41,200 *	58.0	140.3	37,600 *	60.1	137.5	28,300 *	100
105	53.6	137.9	38,300 *	55.8	136.6	36,200 *	57.8	133.6	27,600 *	105
110	51.3	133.9	35,800 *	53.5	132.5	34,900 *	55.5	129.5	26,900 *	110
115	49.0	129.5	33,400 *	51.2	128.0	33,800 *	53.1	124.9	26,300 *	115
120	46.6	124.7	31,300 *	48.7	123.2	31,800 *	50.6	119.9	25,800 *	120
125	44.1	119.5	29,400 *	46.2	118.0	29,800 *	48.0	114.5	25,300 *	125
130	41.5	113.8	27,600 *	43.5	112.2	28,000 *	45.2	108.6	24,900 *	130
135	38.7	107.6	26,000 *	40.7	105.8	26,300 *				135
140	35.7	100.6	24,500 *	37.7	98.7	24,800 *				140
145	32.5	92.8	23,000 *	34.4	90.8	23,300 *				145
150	28.9	83.9	21,700 *							150
155	24.9	73.4	20,500 *							155

14000 S-2

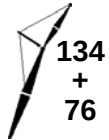
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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	74.3	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 *	66.0	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	40,800 *	60.1	152.3	39,000 *	62.1	149.5	29,000 *	100
105	56.0	150.2	38,000 *	58.1	148.8	37,600 *	60.0	146.0	28,300 *	105
110	53.9	146.5	35,400 *	56.0	145.1	36,000 *	57.9	142.2	27,600 *	110
115	51.8	142.5	33,100 *	53.9	141.1	33,700 *	55.8	138.1	27,000 *	115
120	49.7	138.2	31,000 *	51.7	136.8	31,500 *	53.5	133.6	26,400 *	120
125	47.4	133.6	29,100 *	49.4	132.1	29,500 *	51.2	128.8	25,900 *	125
130	45.1	128.6	27,300 *	47.1	127.0	27,700 *	48.8	123.6	25,400 *	130
135	42.7	123.1	25,600 *	44.6	121.5	26,000 *	46.2	117.9	25,000 *	135
140	40.1	117.2	24,100 *	42.0	115.4	24,500 *	43.6	111.6	24,600 *	140
145	37.4	110.6	22,700 *	39.3	108.8	23,000 *				145
150	34.5	103.4	21,400 *	36.3	101.4	21,700 *				150
155	31.4	95.3	20,200 *	33.1	93.1	20,400 *				155
160	27.9	86.0	19,000 *							160
165	24.0	75.0	17,900 *							165

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



144.4 ft

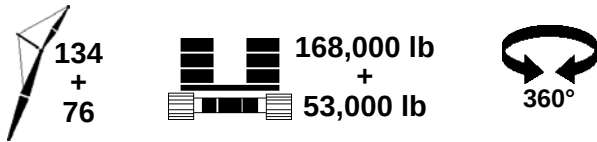


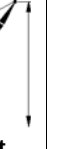
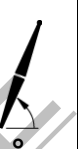
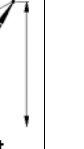
40.0 ft

	 5°			 15°			 25°						
	 ft	 o	 ft			 lb			 lb				 lb
40	80.0	188.7	53,100 *										40
45	78.4	187.6	52,100 *	80.6	186.5	47,700 *							45
50	76.8	186.4	51,100 *	79.0	185.3	47,100 *							50
55	75.2	185.0	50,300 *	77.3	183.9	46,400 *	79.5	181.4	39,000 *				55
60	73.6	183.5	49,400 *	75.7	182.4	45,900 *	77.9	179.9	37,600 *				60
65	71.9	181.8	48,600 *	74.1	180.7	45,300 *	76.2	178.2	36,300 *				65
70	70.3	180.0	47,800 *	72.4	178.8	44,800 *	74.5	176.3	35,100 *				70
75	68.6	178.0	47,100 *	70.7	176.8	44,300 *	72.8	174.2	34,000 *				75
80	66.9	175.8	46,400 *	69.0	174.6	43,900 *	71.0	172.0	33,000 *				80
85	65.2	173.5	45,700 *	67.3	172.2	43,500 *	69.3	169.6	32,100 *				85
90	63.5	170.9	45,100 *	65.5	169.7	43,100 *	67.5	167.0	31,200 *				90
95	61.7	168.2	43,500	63.7	166.9	42,000 *	65.7	164.2	30,400 *				95
100	59.9	165.2	40,300	61.9	164.0	40,400 *	63.8	161.2	29,600 *				100
105	58.0	162.1	37,500	60.0	160.8	38,200	61.9	157.9	28,900 *				105
110	56.2	158.7	34,900	58.2	157.3	35,600	60.0	154.4	28,200 *				110
115	54.2	155.0	32,600	56.2	153.7	33,200	58.0	150.7	27,600 *				115
120	52.3	151.1	30,500	54.2	149.7	31,100	56.0	146.6	27,100 *				120
125	50.2	146.9	28,600	52.2	145.5	29,100	53.9	142.3	26,500 *				125
130	48.1	142.4	26,800	50.0	140.9	27,300	51.7	137.6	26,000 *				130
135	46.0	137.5	25,200	47.8	136.0	25,600	49.5	132.6	25,600 *				135
140	43.7	132.3	23,700	45.6	130.7	24,100	47.1	127.1	24,400				140
145	41.3	126.6	22,300	43.2	124.9	22,600	44.6	121.1	22,900				145
150	38.9	120.4	20,900	40.7	118.6	21,300							150
155	36.2	113.6	19,700	38.0	111.6	20,000							155
160	33.4	106.0	18,600	35.1	103.9	18,800							160
165	30.4	97.6	17,500	32.0	95.3	17,700							165
170	27.0	87.9	16,500										170
175	23.1	76.6	15,500										175

14000 S-2

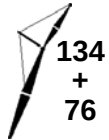
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	71.7	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	66.5	184.4	46,000 *	68.5	183.1	43,600 *	70.4	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	43,100	65.2	178.2	42,900 *	67.1	175.4	31,000 *	95
100	61.6	176.7	40,000	63.5	175.4	40,800	65.4	172.6	30,200 *	100
105	59.9	173.7	37,100	61.8	172.4	37,900	63.6	169.6	29,500 *	105
110	58.1	170.6	34,600	60.0	169.2	35,300	61.8	166.4	28,900 *	110
115	56.3	167.2	32,300	58.2	165.8	32,900	60.0	162.9	28,200 *	115
120	54.5	163.6	30,100	56.4	162.2	30,800	58.1	159.2	27,700 *	120
125	52.6	159.7	28,200	54.5	158.3	28,800	56.2	155.2	27,100 *	125
130	50.7	155.6	26,400	52.6	154.1	27,000	54.2	151.0	26,600 *	130
135	48.8	151.2	24,800	50.6	149.7	25,300	52.2	146.4	25,700	135
140	46.7	146.5	23,300	48.5	144.9	23,700	50.1	141.5	24,100	140
145	44.6	141.4	21,900	46.4	139.7	22,300	47.9	136.2	22,600	145
150	42.4	135.9	20,600	44.2	134.2	21,000	45.6	130.5	21,300	150
155	40.1	129.9	19,400	41.8	128.1	19,700	43.2	124.3	20,000	155
160	37.7	123.5	18,200	39.4	121.6	18,500				160
165	35.2	116.4	17,100	36.8	114.4	17,400				165
170	32.4	108.5	16,100	34.0	106.4	16,400				170
175	29.4	99.8	15,200							175
180	26.1	89.8	14,300							180
185	22.4	78.0	13,400							185

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



164.0 ft

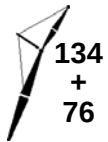


40.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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	73.7	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	42,800 *	66.5	189.2	43,100 *	68.3	186.5	31,600 *	95
100	63.1	187.9	39,700 *	64.9	186.6	40,500 *	66.7	183.9	30,800 *	100
105	61.5	185.1	36,800 *	63.3	183.8	37,600 *	65.1	181.0	30,100 *	105
110	59.8	182.2	34,300 *	61.7	180.9	35,000 *	63.4	178.0	29,400 *	110
115	58.2	179.1	31,900 *	60.0	177.7	32,600 *	61.7	174.8	28,800 *	115
120	56.5	175.7	29,800 *	58.3	174.3	30,500 *	60.0	171.4	28,200 *	120
125	54.8	172.1	27,900 *	56.5	170.7	28,500 *	58.2	167.7	27,700 *	125
130	53.0	168.3	26,100 *	54.8	166.9	26,700 *	56.4	163.8	27,200 *	130
135	51.2	164.3	24,500 *	52.9	162.8	25,000 *	54.5	159.6	25,500 *	135
140	49.3	159.9	23,000 *	51.1	158.4	23,500 *	52.6	155.1	23,900 *	140
145	47.4	155.3	21,600 *	49.1	153.7	22,000 *	50.6	150.4	22,400 *	145
150	45.4	150.4	20,300 *	47.1	148.7	20,700 *	48.6	145.2	21,000 *	150
155	43.4	145.0	19,100 *	45.1	143.4	19,400 *	46.4	139.7	19,800 *	155
160	41.2	139.3	17,900 *	42.9	137.6	18,300 *	44.2	133.7	18,600 *	160
165	39.0	133.1	16,900 *	40.6	131.3	17,200 *				165
170	36.7	126.4	15,800 *	38.2	124.5	16,100 *				170
175	34.2	119.1	14,900 *	35.7	117.0	15,200 *				175
180	31.5	111.0	14,000 *	33.0	108.7	14,200 *				180
185	28.6	101.9	13,200 *							185
190	25.4	91.6	12,300 *							190
195	21.7	79.4	11,600 *							195

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

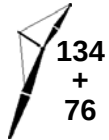


40.0 ft

	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 *	79.1	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	42,500	67.7	200.2	43,200 *	69.4	197.4	32,100 *	95
100	64.4	199.0	39,300	66.2	197.7	40,200	67.9	195.0	31,400 *	100
105	62.9	196.4	36,500	64.7	195.1	37,300	66.4	192.3	30,700 *	105
110	61.4	193.6	33,900	63.1	192.3	34,700	64.8	189.5	30,000 *	110
115	59.8	190.7	31,600	61.6	189.3	32,300	63.2	186.5	29,400 *	115
120	58.2	187.5	29,500	60.0	186.2	30,100	61.6	183.3	28,800 *	120
125	56.6	184.2	27,500	58.3	182.8	28,200	59.9	179.8	28,200 *	125
130	55.0	180.7	25,800	56.7	179.3	26,400	58.2	176.2	26,900	130
135	53.3	176.9	24,100	55.0	175.5	24,700	56.5	172.3	25,200	135
140	51.6	172.9	22,600	53.3	171.4	23,100	54.8	168.2	23,600	140
145	49.8	168.7	21,200	51.5	167.1	21,700	52.9	163.9	22,100	145
150	48.0	164.1	19,900	49.7	162.6	20,400	51.1	159.2	20,800	150
155	46.2	159.3	18,700	47.8	157.7	19,100	49.1	154.2	19,500	155
160	44.2	154.1	17,500	45.8	152.5	17,900	47.2	148.8	18,300	160
165	42.2	148.6	16,500	43.8	146.9	16,800	45.1	143.1	17,100	165
170	40.2	142.7	15,500	41.7	140.9	15,800	42.9	136.9	16,100	170
175	38.0	136.3	14,500	39.5	134.4	14,800				175
180	35.7	129.3	13,600	37.2	127.3	13,900				180
185	33.2	121.7	12,800	34.7	119.6	13,000				185
190	30.6	113.3	12,000	32.0	111.0	12,200				190
195	27.8	104.0	11,200							195
200	24.6	93.3	10,500							200
205	21.0	80.8	9,800							205

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



183.7 ft

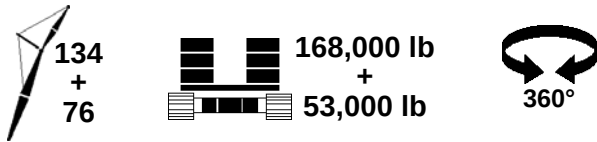


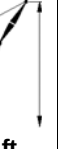
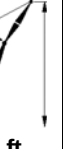
40.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
45	80.5	227.8	51,800 *							45
50	79.2	226.8	51,100 *	81.0	225.6	46,900 *				50
55	77.9	225.7	50,300 *	79.6	224.5	46,400 *				55
60	76.6	224.5	49,600 *	78.3	223.3	45,900 *	80.1	220.7	39,500 *	60
65	75.2	223.1	48,900 *	77.0	221.9	45,500 *	78.7	219.3	38,300 *	65
70	73.9	221.6	48,300 *	75.6	220.4	45,100 *	77.4	217.8	37,200 *	70
75	72.5	220.0	47,700 *	74.3	218.8	44,600 *	76.0	216.2	36,200 *	75
80	71.2	218.3	47,100 *	72.9	217.1	44,300 *	74.6	214.4	35,200 *	80
85	69.8	216.4	46,500 *	71.5	215.2	43,900 *	73.2	212.5	34,300 *	85
90	68.4	214.4	45,600	70.2	213.1	43,600 *	71.8	210.5	33,500 *	90
95	67.0	212.2	42,000	68.7	211.0	43,100	70.4	208.3	32,700 *	95
100	65.6	209.9	38,900	67.3	208.7	39,800	69.0	205.9	31,900 *	100
105	64.2	207.5	36,000	65.9	206.2	36,900	67.5	203.4	31,200 *	105
110	62.8	204.9	33,400	64.4	203.6	34,300	66.0	200.7	30,500 *	110
115	61.3	202.1	31,100	63.0	200.8	31,900	64.5	197.9	29,900 *	115
120	59.8	199.2	29,000	61.5	197.8	29,700	63.0	194.9	29,300 *	120
125	58.3	196.0	27,100	59.9	194.7	27,700	61.5	191.7	28,400	125
130	56.8	192.7	25,300	58.4	191.3	25,900	59.9	188.3	26,500	130
135	55.2	189.2	23,600	56.8	187.8	24,200	58.3	184.7	24,800	135
140	53.6	185.5	22,100	55.2	184.0	22,700	56.7	180.9	23,200	140
145	52.0	181.5	20,700	53.6	180.1	21,300	55.0	176.8	21,700	145
150	50.3	177.3	19,400	51.9	175.8	19,900	53.3	172.5	20,400	150
155	48.6	172.9	18,200	50.1	171.3	18,700	51.5	168.0	19,100	155
160	46.8	168.2	17,100	48.4	166.6	17,500	49.7	163.1	17,900	160
165	45.0	163.2	16,000	46.5	161.5	16,400	47.8	157.9	16,700	165
170	43.1	157.8	15,000	44.6	156.1	15,400	45.9	152.3	15,700	170
175	41.2	152.1	14,100	42.7	150.3	14,400	43.8	146.4	14,700	175
180	39.1	145.9	13,200	40.6	144.0	13,500				180
185	37.0	139.3	12,300	38.4	137.3	12,600				185
190	34.8	132.1	11,500	36.2	130.0	11,800				190
195	32.4	124.3	10,800	33.7	122.0	11,000				195
200	29.8	115.6	10,100							200
205	27.0	106.0	9,400							205
210	23.9	95.0	8,700							210

14000 S-2

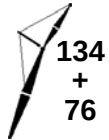
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	77.5	232.1	45,400 *	79.2	229.5	38,800 *	65
70	74.6	231.9	48,200 *	76.3	230.7	45,000 *	77.9	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	45,200 *	71.0	223.8	43,500 *	72.7	221.1	34,000 *	90
95	68.1	223.0	41,700	69.7	221.7	42,700	71.3	219.0	33,200 *	95
100	66.7	220.8	38,500	68.4	219.5	39,500	69.9	216.8	32,400 *	100
105	65.4	218.5	35,600	67.0	217.2	36,500	68.6	214.4	31,700 *	105
110	64.0	216.0	33,000	65.6	214.7	33,900	67.2	211.9	31,000 *	110
115	62.6	213.4	30,700	64.2	212.0	31,500	65.8	209.2	30,400 *	115
120	61.2	210.6	28,600	62.8	209.2	29,400	64.3	206.4	29,800 *	120
125	59.8	207.6	26,700	61.4	206.3	27,400	62.9	203.3	28,100	125
130	58.3	204.5	24,900	59.9	203.1	25,600	61.4	200.2	26,200	130
135	56.9	201.2	23,200	58.4	199.8	23,900	59.9	196.8	24,500	135
140	55.4	197.7	21,700	56.9	196.3	22,300	58.4	193.2	22,900	140
145	53.9	194.0	20,300	55.4	192.6	20,900	56.8	189.4	21,400	145
150	52.3	190.1	19,000	53.8	188.7	19,600	55.2	185.4	20,000	150
155	50.7	186.0	17,800	52.2	184.5	18,300	53.6	181.2	18,700	155
160	49.1	181.7	16,700	50.6	180.1	17,100	51.9	176.7	17,500	160
165	47.4	177.0	15,600	48.9	175.4	16,000	50.2	171.9	16,400	165
170	45.7	172.1	14,600	47.2	170.5	15,000	48.4	166.9	15,400	170
175	43.9	166.9	13,700	45.4	165.2	14,000	46.6	161.5	14,400	175
180	42.1	161.4	12,800	43.5	159.6	13,100	44.7	155.7	13,400	180
185	40.2	155.4	11,900	41.6	153.6	12,300				185
190	38.2	149.1	11,100	39.6	147.1	11,400				190
195	36.1	142.2	10,400	37.5	140.2	10,700				195
200	33.9	134.8	9,700	35.2	132.7	9,900				200
205	31.6	126.7	9,000	32.9	124.4	9,200				205
210	29.1	117.8	8,300							210
215	26.3	107.9	7,700							215
220	23.3	96.5	7,100							220

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



203.4 ft

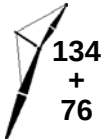


40.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	80.1	246.9	50,600 *							50
55	78.9	245.9	49,900 *	80.5	244.7	46,000 *				55
60	77.7	244.7	49,300 *	79.3	243.5	45,600 *	80.9	241.0	40,300 *	60
65	76.4	243.5	48,700 *	78.1	242.3	45,200 *	79.7	239.7	39,200 *	65
70	75.2	242.2	48,100 *	76.8	240.9	44,800 *	78.5	238.3	38,100 *	70
75	74.0	240.7	47,500 *	75.6	239.5	44,500 *	77.2	236.8	37,100 *	75
80	72.8	239.1	47,000 *	74.4	237.9	44,100 *	76.0	235.2	36,200 *	80
85	71.5	237.4	46,500 *	73.1	236.2	43,800 *	74.7	233.5	35,300 *	85
90	70.3	235.6	44,900	71.9	234.3	43,500 *	73.4	231.6	34,400 *	90
95	69.0	233.6	41,300	70.6	232.4	42,400	72.1	229.6	33,700 *	95
100	67.7	231.5	38,100	69.3	230.3	39,200	70.8	227.5	32,900 *	100
105	66.4	229.3	35,300	68.0	228.0	36,300	69.5	225.3	32,200 *	105
110	65.1	227.0	32,700	66.7	225.7	33,600	68.2	222.9	31,500 *	110
115	63.8	224.5	30,400	65.4	223.2	31,200	66.9	220.3	30,900 *	115
120	62.5	221.8	28,300	64.0	220.5	29,100	65.5	217.6	29,800	120
125	61.1	219.1	26,300	62.7	217.7	27,100	64.1	214.8	27,800	125
130	59.8	216.1	24,500	61.3	214.7	25,300	62.7	211.8	25,900	130
135	58.4	213.0	22,900	59.9	211.6	23,600	61.3	208.6	24,200	135
140	57.0	209.7	21,400	58.5	208.3	22,000	59.9	205.3	22,600	140
145	55.5	206.3	20,000	57.0	204.8	20,600	58.4	201.7	21,100	145
150	54.1	202.6	18,700	55.6	201.1	19,200	56.9	198.0	19,800	150
155	52.6	198.7	17,500	54.1	197.2	18,000	55.4	194.0	18,500	155
160	51.1	194.7	16,300	52.5	193.1	16,800	53.8	189.8	17,300	160
165	49.5	190.4	15,300	51.0	188.8	15,700	52.2	185.4	16,100	165
170	47.9	185.8	14,300	49.4	184.2	14,700	50.6	180.8	15,100	170
175	46.3	181.0	13,300	47.7	179.4	13,700	48.9	175.8	14,100	175
180	44.6	176.0	12,400	46.0	174.3	12,800	47.2	170.6	13,100	180
185	42.9	170.6	11,600	44.3	168.8	12,000	45.4	165.0	12,200	185
190	41.1	164.8	10,800	42.5	163.0	11,100	43.5	159.0	11,400	190
195	39.2	158.7	10,100	40.6	156.8	10,400				195
200	37.3	152.1	9,300	38.6	150.1	9,600				200
205	35.3	145.1	8,700	36.5	143.0	8,900				205
210	33.1	137.4	8,000	34.4	135.2	8,200				210
215	30.8	129.1	7,400	32.0	126.7	7,600				215
220	28.4	119.9	6,800							220
225	25.7	109.7	6,200							225
230	22.7	98.1	5,700							230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

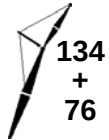


40.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	ft
50	80.5	256.9	50,200 *							50
55	79.3	255.9	49,600 *	80.9	254.7	45,800 *				55
60	78.1	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	44,500	72.6	244.8	43,300 *	74.1	242.1	34,900 *	90
95	69.9	244.2	41,000	71.4	242.9	42,100	72.9	240.2	34,100 *	95
100	68.6	242.2	37,800	70.2	240.9	38,800	71.6	238.2	33,400 *	100
105	67.4	240.1	34,900	68.9	238.8	35,900	70.4	236.0	32,700 *	105
110	66.2	237.9	32,300	67.7	236.6	33,300	69.1	233.8	32,000 *	110
115	64.9	235.5	30,000	66.4	234.2	30,900	67.8	231.3	31,400 *	115
120	63.7	233.0	27,900	65.1	231.6	28,700	66.6	228.8	29,500	120
125	62.4	230.3	25,900	63.9	229.0	26,700	65.3	226.1	27,500	125
130	61.1	227.5	24,200	62.5	226.2	24,900	63.9	223.2	25,600	130
135	59.8	224.6	22,500	61.2	223.2	23,200	62.6	220.2	23,900	135
140	58.4	221.5	21,000	59.9	220.1	21,700	61.2	217.1	22,300	140
145	57.1	218.2	19,600	58.5	216.8	20,200	59.9	213.7	20,800	145
150	55.7	214.8	18,300	57.1	213.3	18,900	58.4	210.2	19,400	150
155	54.3	211.1	17,100	55.7	209.7	17,600	57.0	206.5	18,100	155
160	52.9	207.3	15,900	54.3	205.8	16,500	55.6	202.6	16,900	160
165	51.4	203.3	14,900	52.8	201.8	15,400	54.1	198.5	15,800	165
170	50.0	199.1	13,900	51.3	197.5	14,300	52.6	194.1	14,700	170
175	48.4	194.6	12,900	49.8	193.0	13,400	51.0	189.6	13,800	175
180	46.9	189.9	12,100	48.2	188.3	12,500	49.4	184.7	12,800	180
185	45.3	184.9	11,200	46.6	183.3	11,600	47.7	179.6	11,900	185
190	43.6	179.7	10,400	45.0	177.9	10,800	46.1	174.2	11,100	190
195	41.9	174.1	9,700	43.3	172.3	10,000	44.3	168.4	10,300	195
200	40.2	168.2	9,000	41.5	166.3	9,300				200
205	38.4	161.8	8,300	39.6	159.9	8,600				205
210	36.5	155.1	7,600	37.7	153.0	7,900				210
215	34.5	147.8	7,000	35.7	145.7	7,300				215
220	32.4	140.0	6,400	33.5	137.7	6,600				220
225	30.1	131.4	5,900							225
230	27.7	122.0	5,300							230
235	25.1	111.5	4,800							235
240	22.1	99.5	4,300							240

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



223.1 ft

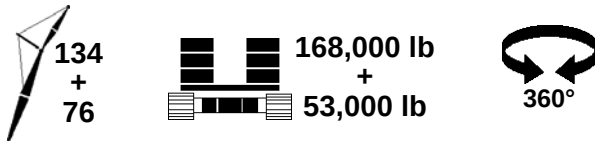


40.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	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	44,000	73.3	255.2	43,300 *	74.7	252.5	35,300 *	90
95	70.7	254.7	40,400	72.1	253.4	41,600	73.6	250.7	34,500 *	95
100	69.5	252.8	37,200	70.9	251.5	38,300	72.4	248.8	33,800 *	100
105	68.3	250.8	34,300	69.8	249.5	35,400	71.2	246.7	33,100 *	105
110	67.1	248.6	31,800	68.6	247.4	32,800	70.0	244.6	32,400 *	110
115	65.9	246.4	29,400	67.4	245.1	30,400	68.8	242.3	31,300	115
120	64.7	244.0	27,300	66.2	242.7	28,200	67.5	239.8	29,000	120
125	63.5	241.5	25,400	64.9	240.1	26,200	66.3	237.2	27,000	125
130	62.3	238.8	23,600	63.7	237.5	24,400	65.0	234.5	25,100	130
135	61.0	236.0	21,900	62.4	234.6	22,700	63.8	231.7	23,400	135
140	59.8	233.1	20,400	61.2	231.7	21,100	62.5	228.7	21,800	140
145	58.5	230.0	19,000	59.9	228.6	19,700	61.2	225.5	20,300	145
150	57.2	226.7	17,700	58.6	225.3	18,300	59.8	222.2	18,900	150
155	55.9	223.3	16,500	57.2	221.8	17,100	58.5	218.7	17,600	155
160	54.5	219.7	15,300	55.9	218.2	15,900	57.1	215.0	16,400	160
165	53.1	215.9	14,300	54.5	214.4	14,800	55.7	211.2	15,300	165
170	51.8	211.9	13,300	53.1	210.4	13,800	54.3	207.1	14,200	170
175	50.3	207.8	12,300	51.7	206.2	12,800	52.8	202.8	13,200	175
180	48.9	203.4	11,500	50.2	201.8	11,900	51.4	198.3	12,300	180
185	47.4	198.8	10,600	48.7	197.1	11,000	49.8	193.6	11,400	185
190	45.9	193.9	9,800	47.2	192.2	10,200	48.3	188.6	10,500	190
195	44.3	188.7	9,100	45.6	187.0	9,400	46.7	183.3	9,700	195
200	42.7	183.3	8,400	44.0	181.5	8,700	45.0	177.7	9,000	200
205	41.0	177.6	7,700	42.3	175.7	8,000	43.3	171.7	8,300	205
210	39.3	171.4	7,000	40.6	169.5	7,300				210
215	37.5	164.9	6,400	38.7	162.9	6,700				215
220	35.7	158.0	5,800	36.9	155.9	6,100				220
225	33.7	150.5	5,300	34.9	148.3	5,500				225
230	31.6	142.4	4,700	32.8	140.1	4,900				230
235	29.4	133.7	4,200							235

14000 S-2

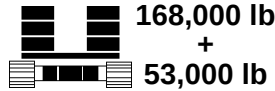
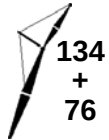
ANSI B30.5



	5°			15°			25°			
	ft	°	ft	lb	ft	°	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	44,100	73.9	265.6	43,100 *	75.3	262.9	35,700 *	90
95	71.4	265.2	40,500	72.8	263.9	41,700	74.2	261.2	34,900 *	95
100	70.3	263.4	37,300	71.7	262.1	38,500	73.1	259.3	34,200 *	100
105	69.1	261.4	34,500	70.5	260.1	35,500	71.9	257.4	33,500 *	105
110	68.0	259.4	31,900	69.4	258.1	32,900	70.8	255.3	32,900 *	110
115	66.9	257.2	29,500	68.2	255.9	30,500	69.6	253.1	31,400	115
120	65.7	254.9	27,400	67.1	253.6	28,300	68.4	250.7	29,200	120
125	64.5	252.5	25,500	65.9	251.2	26,300	67.2	248.3	27,100	125
130	63.4	250.0	23,700	64.7	248.6	24,500	66.0	245.7	25,200	130
135	62.2	247.3	22,100	63.5	245.9	22,800	64.8	243.0	23,500	135
140	61.0	244.5	20,500	62.3	243.1	21,200	63.6	240.1	21,900	140
145	59.7	241.5	19,100	61.1	240.1	19,800	62.4	237.1	20,400	145
150	58.5	238.4	17,800	59.9	237.0	18,500	61.1	234.0	19,000	150
155	57.3	235.2	16,600	58.6	233.8	17,200	59.8	230.7	17,800	155
160	56.0	231.8	15,500	57.3	230.3	16,000	58.5	227.2	16,600	160
165	54.7	228.2	14,400	56.0	226.7	14,900	57.2	223.6	15,400	165
170	53.4	224.5	13,400	54.7	223.0	13,900	55.9	219.7	14,400	170
175	52.0	220.6	12,500	53.4	219.0	12,900	54.5	215.7	13,400	175
180	50.7	216.4	11,600	52.0	214.9	12,000	53.1	211.5	12,400	180
185	49.3	212.1	10,700	50.6	210.5	11,200	51.7	207.1	11,500	185
190	47.9	207.6	9,900	49.1	205.9	10,400	50.2	202.4	10,700	190
195	46.4	202.8	9,200	47.7	201.1	9,600	48.7	197.5	9,900	195
200	44.9	197.8	8,500	46.2	196.0	8,800	47.2	192.3	9,100	200
205	43.4	192.4	7,800	44.6	190.7	8,100	45.6	186.8	8,400	205
210	41.8	186.8	7,200	43.0	185.0	7,500	44.0	181.1	7,700	210
215	40.2	180.9	6,500	41.4	179.0	6,800				215
220	38.5	174.6	6,000	39.7	172.7	6,200				220
225	36.8	167.9	5,400	37.9	165.9	5,700				225
230	34.9	160.8	4,900	36.1	158.7	5,100				230
235	33.0	153.1	4,300	34.1	150.9	4,600				235
240				32.0	142.4	4,000				240

14000 S-2

ANSI B30.5



242.8 ft

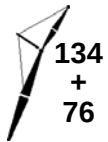


40.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	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	39,600 *	70
75	76.3	281.6	46,500 *	77.7	280.3	43,600 *	79.1	277.7	38,600 *	75
80	75.2	280.2	46,000 *	76.6	279.0	43,300 *	78.0	276.3	37,700 *	80
85	74.2	278.8	45,600 *	75.6	277.5	43,100 *	76.9	274.8	36,900 *	85
90	73.1	277.2	43,800	74.5	276.0	42,800 *	75.9	273.3	36,100 *	90
95	72.1	275.6	40,200	73.4	274.3	41,500	74.8	271.6	35,300 *	95
100	71.0	273.8	37,000	72.3	272.6	38,200	73.7	269.8	34,600 *	100
105	69.9	272.0	34,100	71.3	270.7	35,200	72.6	267.9	33,900 *	105
110	68.8	270.0	31,500	70.2	268.7	32,600	71.5	265.9	33,300 *	110
115	67.7	267.9	29,200	69.1	266.6	30,200	70.4	263.8	31,100	115
120	66.6	265.7	27,100	67.9	264.4	28,000	69.2	261.6	28,900	120
125	65.5	263.4	25,100	66.8	262.1	26,000	68.1	259.2	26,800	125
130	64.4	261.0	23,300	65.7	259.7	24,200	67.0	256.8	25,000	130
135	63.2	258.5	21,700	64.5	257.1	22,500	65.8	254.2	23,200	135
140	62.1	255.8	20,200	63.4	254.4	20,900	64.6	251.4	21,600	140
145	60.9	253.0	18,800	62.2	251.6	19,500	63.5	248.6	20,100	145
150	59.7	250.0	17,500	61.0	248.6	18,100	62.3	245.6	18,700	150
155	58.5	246.9	16,200	59.8	245.5	16,900	61.0	242.4	17,500	155
160	57.3	243.7	15,100	58.6	242.3	15,700	59.8	239.1	16,300	160
165	56.1	240.3	14,000	57.4	238.8	14,600	58.6	235.7	15,100	165
170	54.9	236.8	13,000	56.1	235.3	13,600	57.3	232.1	14,100	170
175	53.6	233.0	12,100	54.9	231.5	12,600	56.0	228.3	13,100	175
180	52.3	229.2	11,200	53.6	227.6	11,700	54.7	224.3	12,100	180
185	51.0	225.1	10,400	52.3	223.5	10,800	53.4	220.1	11,200	185
190	49.7	220.8	9,600	50.9	219.2	10,000	52.0	215.8	10,400	190
195	48.3	216.3	8,800	49.5	214.7	9,200	50.6	211.2	9,600	195
200	46.9	211.6	8,100	48.1	210.0	8,500	49.2	206.4	8,800	200
205	45.5	206.7	7,400	46.7	205.0	7,800	47.7	201.3	8,100	205
210	44.0	201.5	6,800	45.2	199.8	7,200	46.2	196.0	7,400	210
215	42.5	196.1	6,200	43.7	194.3	6,500	44.7	190.3	6,800	215
220	41.0	190.3	5,600	42.2	188.4	5,900	43.1	184.4	6,100	220
225	39.4	184.2	5,000	40.5	182.3	5,300				225
230	37.7	177.7	4,500	38.9	175.7	4,800				230
235	36.0	170.9	4,000	37.1	168.8	4,200				235

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



252.6 ft

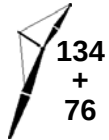


40.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	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	75.7	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	43,400	75.0	286.3	42,400 *	76.4	283.6	36,500 *	90
95	72.7	286.0	39,800	74.0	284.7	41,100	75.3	282.0	35,700 *	95
100	71.6	284.3	36,600	73.0	283.0	37,800	74.3	280.3	35,000 *	100
105	70.6	282.5	33,800	71.9	281.2	34,900	73.2	278.4	34,300 *	105
110	69.6	280.6	31,200	70.9	279.3	32,200	72.2	276.5	33,300	110
115	68.5	278.6	28,800	69.8	277.3	29,800	71.1	274.5	30,800	115
120	67.4	276.5	26,700	68.7	275.2	27,600	70.0	272.4	28,600	120
125	66.4	274.3	24,700	67.7	273.0	25,600	68.9	270.1	26,500	125
130	65.3	272.0	23,000	66.6	270.6	23,800	67.8	267.7	24,600	130
135	64.2	269.5	21,300	65.5	268.2	22,100	66.7	265.2	22,900	135
140	63.1	266.9	19,800	64.4	265.6	20,600	65.6	262.6	21,300	140
145	62.0	264.3	18,400	63.3	262.9	19,100	64.5	259.9	19,800	145
150	60.9	261.4	17,100	62.1	260.0	17,800	63.3	257.0	18,400	150
155	59.7	258.5	15,800	61.0	257.1	16,500	62.2	254.0	17,100	155
160	58.6	255.4	14,700	59.8	254.0	15,300	61.0	250.9	15,900	160
165	57.4	252.2	13,600	58.7	250.7	14,200	59.8	247.6	14,800	165
170	56.2	248.8	12,600	57.5	247.3	13,200	58.6	244.2	13,700	170
175	55.0	245.3	11,700	56.3	243.8	12,200	57.4	240.6	12,700	175
180	53.8	241.6	10,800	55.0	240.1	11,300	56.1	236.8	11,800	180
185	52.6	237.8	10,000	53.8	236.2	10,500	54.9	232.9	10,900	185
190	51.3	233.7	9,200	52.5	232.2	9,600	53.6	228.8	10,000	190
195	50.0	229.5	8,400	51.2	227.9	8,900	52.3	224.5	9,200	195
200	48.7	225.1	7,700	49.9	223.5	8,100	50.9	219.9	8,500	200
205	47.4	220.5	7,000	48.6	218.8	7,400	49.6	215.2	7,800	205
210	46.0	215.6	6,400	47.2	213.9	6,800	48.2	210.2	7,100	210
215	44.6	210.6	5,800	45.8	208.8	6,100	46.7	205.0	6,400	215
220	43.2	205.2	5,200	44.3	203.4	5,500	45.3	199.5	5,800	220
225	41.7	199.6	4,600	42.9	197.7	5,000	43.7	193.7	5,200	225
230	40.2	193.7	4,100	41.3	191.8	4,400				230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



262.5 ft

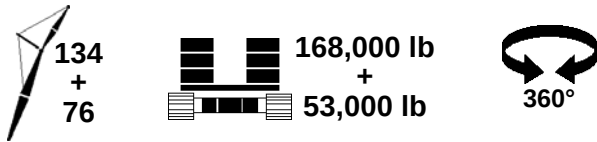


40.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.1	305.1	46,900 *							60
65	79.1	304.1	46,400 *	80.4	302.9	43,400 *				65
70	78.2	303.0	46,000 *	79.5	301.8	43,100 *	80.8	299.1	40,200 *	70
75	77.2	301.9	45,500 *	78.5	300.6	42,800 *	79.8	297.9	39,300 *	75
80	76.2	300.6	45,100 *	77.5	299.4	42,600 *	78.8	296.7	38,400 *	80
85	75.2	299.3	44,700 *	76.5	298.0	42,300 *	77.8	295.3	37,600 *	85
90	74.3	297.8	43,000	75.5	296.6	42,000 *	76.8	293.8	36,800 *	90
95	73.3	296.3	39,400	74.5	295.0	40,800	75.8	292.3	36,100 *	95
100	72.3	294.7	36,200	73.5	293.4	37,500	74.8	290.6	35,400 *	100
105	71.3	293.0	33,300	72.5	291.7	34,500	73.8	288.9	34,700 *	105
110	70.3	291.1	30,700	71.5	289.8	31,800	72.8	287.0	32,900	110
115	69.2	289.2	28,400	70.5	287.9	29,400	71.7	285.1	30,400	115
120	68.2	287.2	26,200	69.5	285.9	27,200	70.7	283.0	28,200	120
125	67.2	285.1	24,300	68.4	283.7	25,200	69.7	280.9	26,100	125
130	66.1	282.8	22,500	67.4	281.5	23,400	68.6	278.6	24,200	130
135	65.1	280.5	20,900	66.3	279.1	21,700	67.5	276.2	22,500	135
140	64.0	278.0	19,300	65.3	276.6	20,100	66.5	273.7	20,900	140
145	63.0	275.4	17,900	64.2	274.1	18,700	65.4	271.1	19,400	145
150	61.9	272.7	16,600	63.1	271.3	17,300	64.3	268.4	18,000	150
155	60.8	269.9	15,400	62.0	268.5	16,100	63.2	265.5	16,700	155
160	59.7	267.0	14,200	60.9	265.5	14,900	62.1	262.5	15,500	160
165	58.6	263.9	13,200	59.8	262.5	13,800	60.9	259.4	14,400	165
170	57.5	260.7	12,200	58.7	259.2	12,800	59.8	256.1	13,300	170
175	56.3	257.3	11,200	57.5	255.8	11,800	58.6	252.7	12,300	175
180	55.2	253.8	10,300	56.4	252.3	10,900	57.4	249.1	11,400	180
185	54.0	250.2	9,500	55.2	248.6	10,000	56.2	245.4	10,500	185
190	52.8	246.3	8,700	54.0	244.8	9,200	55.0	241.5	9,600	190
195	51.6	242.4	8,000	52.8	240.8	8,400	53.8	237.4	8,800	195
200	50.4	238.2	7,200	51.5	236.6	7,700	52.5	233.1	8,100	200
205	49.1	233.8	6,600	50.3	232.2	7,000	51.2	228.7	7,300	205
210	47.8	229.3	5,900	49.0	227.6	6,300	49.9	224.0	6,700	210
215	46.5	224.5	5,300	47.7	222.8	5,700	48.6	219.2	6,000	215
220	45.2	219.5	4,700	46.3	217.8	5,100	47.2	214.0	5,400	220
225	43.8	214.3	4,200	44.9	212.5	4,500	45.8	208.7	4,800	225
230							44.4	203.0	4,200	230

14000 S-2

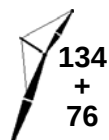
ANSI B30.5



	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	69.7	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	62.4	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	48.6	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 *	43.2	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 *	32.9	79.6	21,800 *				140
145	26.3	72.1	24,100							145
150	21.3	59.7	22,800							150

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



114.8 ft

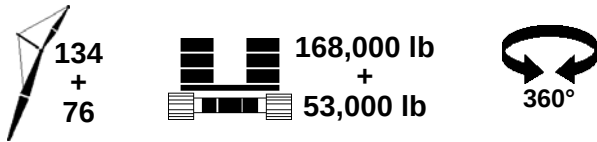


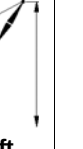
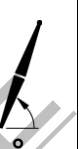
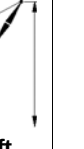
50.0 ft

	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	64.2	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 *	61.0	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	28,400 *	44.5	112.2	24,100 *	46.7	108.0	19,700 *	130
135	39.0	107.8	26,700 *	41.6	105.8	23,400 *	43.7	101.4	19,300 *	135
140	36.1	100.9	25,200 *	38.6	98.8	22,800 *				140
145	32.9	93.1	23,800 *	35.3	90.8	22,200 *				145
150	29.3	84.2	22,500 *	31.6	81.6	21,700 *				150
155	25.3	73.8	21,200 *							155

14000 S-2

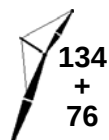
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
40	79.7	178.8	44,600 *							40
45	78.0	177.7	43,600 *	80.9	176.4	40,000 *				45
50	76.4	176.4	42,700 *	79.2	175.1	39,400 *				50
55	74.6	174.9	41,800 *	77.5	173.6	38,700 *	80.4	170.8	32,900 *	55
60	72.9	173.3	40,900 *	75.7	172.0	37,900 *	78.6	169.2	31,400 *	60
65	71.2	171.5	40,100 *	74.0	170.2	37,200 *	76.8	167.4	30,100 *	65
70	69.4	169.6	39,400 *	72.2	168.2	36,500 *	75.0	165.4	28,900 *	70
75	67.6	167.4	38,700 *	70.4	166.1	35,900 *	73.2	163.2	27,800 *	75
80	65.8	165.1	37,900 *	68.6	163.8	35,300 *	71.3	160.8	26,800 *	80
85	64.0	162.6	37,100 *	66.7	161.2	34,700 *	69.4	158.2	25,900 *	85
90	62.1	159.9	36,400 *	64.8	158.5	33,400 *	67.5	155.4	25,100 *	90
95	60.2	156.9	35,600 *	62.9	155.5	32,000 *	65.5	152.3	24,300 *	95
100	58.3	153.8	35,000 *	61.0	152.3	30,800 *	63.5	149.1	23,600 *	100
105	56.3	150.3	34,400 *	58.9	148.8	29,600 *	61.5	145.5	22,900 *	105
110	54.2	146.7	33,800 *	56.9	145.1	28,600 *	59.4	141.7	22,300 *	110
115	52.1	142.7	33,200 *	54.8	141.1	27,600 *	57.2	137.6	21,700 *	115
120	50.0	138.4	31,800	52.6	136.8	26,700 *	54.9	133.1	21,200 *	120
125	47.7	133.8	29,900	50.3	132.1	25,800 *	52.6	128.3	20,700 *	125
130	45.4	128.8	28,100	48.0	127.0	25,100 *	50.2	123.1	20,200 *	130
135	43.0	123.3	26,400	45.5	121.5	24,300 *	47.6	117.3	19,800 *	135
140	40.4	117.4	24,900	42.9	115.4	23,700 *	44.9	111.1	19,400 *	140
145	37.7	110.9	23,500	40.1	108.8	23,100 *				145
150	34.9	103.6	22,200	37.2	101.4	22,500 *				150
155	31.7	95.5	21,000	34.0	93.1	21,300				155
160	28.3	86.3	19,800							160
165	24.4	75.4	18,700							165

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



134.5 ft

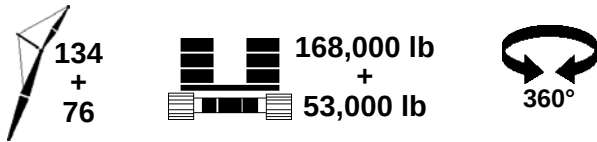


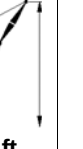
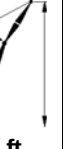
50.0 ft

	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 *	64.5	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	33,500 *	57.0	153.6	28,600 *	59.4	150.2	22,300 *	115
120	52.6	151.3	31,400 *	55.0	149.7	27,700 *	57.3	146.1	21,700 *	120
125	50.5	147.1	29,500 *	53.0	145.5	26,800 *	55.2	141.8	21,200 *	125
130	48.4	142.6	27,700 *	50.9	140.9	26,000 *	53.1	137.1	20,800 *	130
135	46.3	137.7	26,100 *	48.7	136.0	25,300 *	50.8	132.0	20,300 *	135
140	44.0	132.5	24,600 *	46.4	130.6	24,600 *	48.4	126.5	19,900 *	140
145	41.7	126.8	23,200 *	44.0	124.8	23,600 *	45.9	120.5	19,600 *	145
150	39.2	120.6	21,800 *	41.5	118.5	22,200 *	43.3	114.0	19,300 *	150
155	36.6	113.8	20,600 *	38.8	111.6	21,000 *				155
160	33.8	106.3	19,500 *	35.9	103.9	19,800 *				160
165	30.7	97.9	18,400 *	32.8	95.3	18,700 *				165
170	27.3	88.3	17,400 *							170
175	23.5	77.0	16,400 *							175

14000 S-2

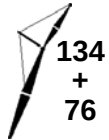
ANSI B30.5



	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 *	77.2	192.6	38,400 *	79.8	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	33,100	59.0	165.8	29,700 *	61.3	162.4	22,800 *	115
120	54.8	163.8	30,900	57.2	162.2	28,700 *	59.4	158.7	22,300 *	120
125	52.9	159.9	29,000	55.3	158.3	27,800 *	57.5	154.7	21,800 *	125
130	51.0	155.8	27,200	53.4	154.1	27,000 *	55.5	150.4	21,300 *	130
135	49.1	151.4	25,600	51.4	149.6	26,200	53.4	145.8	20,800 *	135
140	47.0	146.7	24,100	49.3	144.9	24,600	51.3	140.9	20,400 *	140
145	44.9	141.6	22,700	47.2	139.7	23,200	49.1	135.6	20,000 *	145
150	42.7	136.1	21,400	44.9	134.1	21,800	46.8	129.8	19,700 *	150
155	40.4	130.1	20,100	42.6	128.1	20,600	44.4	123.6	19,400 *	155
160	38.0	123.7	19,000	40.2	121.5	19,400				160
165	35.5	116.6	17,900	37.6	114.3	18,300				165
170	32.7	108.8	16,900	34.8	106.3	17,200				170
175	29.8	100.1	16,000	31.7	97.4	16,200				175
180	26.5	90.1	15,100							180
185	22.7	78.4	14,200							185

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



154.2 ft

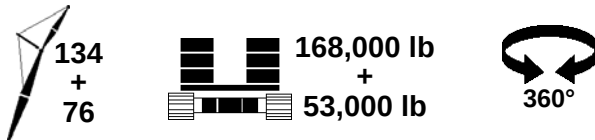


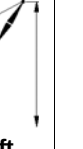
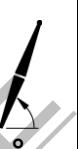
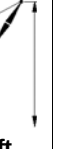
50.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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 *	64.0	183.8	32,800 *	66.3	180.5	24,600 *	105
110	60.1	182.4	35,000	62.4	180.8	31,700 *	64.6	177.5	23,900 *	110
115	58.4	179.2	32,700	60.7	177.7	30,700 *	62.9	174.3	23,300 *	115
120	56.8	175.9	30,600	59.0	174.3	29,700 *	61.2	170.8	22,800 *	120
125	55.0	172.3	28,600	57.3	170.7	28,800 *	59.4	167.2	22,300 *	125
130	53.3	168.5	26,800	55.5	166.9	27,500	57.6	163.2	21,800 *	130
135	51.5	164.5	25,200	53.7	162.8	25,800	55.7	159.0	21,300 *	135
140	49.6	160.1	23,700	51.8	158.4	24,300	53.8	154.5	20,900 *	140
145	47.7	155.5	22,300	49.9	153.7	22,800	51.8	149.7	20,500 *	145
150	45.7	150.6	21,000	47.9	148.7	21,500	49.7	144.6	20,100 *	150
155	43.7	145.3	19,800	45.8	143.3	20,200	47.6	139.0	19,800 *	155
160	41.5	139.5	18,600	43.6	137.5	19,000	45.3	133.0	19,400	160
165	39.3	133.4	17,600	41.4	131.2	17,900	43.0	126.5	18,300	165
170	37.0	126.7	16,500	39.0	124.4	16,900				170
175	34.5	119.4	15,600	36.4	117.0	15,900				175
180	31.8	111.3	14,700	33.7	108.7	15,000				180
185	28.9	102.2	13,800							185
190	25.7	91.9	13,000							190
195	22.0	79.8	12,300							195

14000 S-2

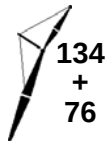
ANSI B30.5



	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 *	60
65	74.8	213.0	40,900 *	77.1	211.6	38,000 *	79.4	208.6	32,100 *	65
70	73.4	211.5	40,300 *	75.7	210.1	37,400 *	78.0	207.1	31,000 *	70
75	71.9	209.8	39,700 *	74.2	208.4	36,900 *	76.5	205.3	29,900 *	75
80	70.5	207.9	39,100 *	72.8	206.5	36,400 *	75.1	203.5	29,000 *	80
85	69.1	206.0	38,500 *	71.3	204.5	35,900 *	73.6	201.4	28,100 *	85
90	67.6	203.8	38,000 *	69.9	202.4	35,400 *	72.1	199.3	27,200 *	90
95	66.2	201.6	37,500 *	68.4	200.1	34,900 *	70.6	196.9	26,500 *	95
100	64.7	199.1	36,900 *	66.9	197.7	34,500 *	69.1	194.4	25,700 *	100
105	63.2	196.5	36,300 *	65.4	195.0	33,800 *	67.5	191.8	25,100 *	105
110	61.6	193.8	34,700 *	63.8	192.3	32,700 *	66.0	188.9	24,400 *	110
115	60.1	190.8	32,400 *	62.3	189.3	31,600 *	64.4	185.9	23,800 *	115
120	58.5	187.7	30,200 *	60.7	186.1	30,600 *	62.7	182.7	23,300 *	120
125	56.9	184.4	28,300 *	59.0	182.8	29,100 *	61.1	179.3	22,800 *	125
130	55.2	180.8	26,500 *	57.4	179.2	27,200 *	59.4	175.6	22,300 *	130
135	53.6	177.1	24,900 *	55.7	175.4	25,600 *	57.7	171.8	21,800 *	135
140	51.9	173.1	23,400 *	54.0	171.4	24,000 *	55.9	167.6	21,400 *	140
145	50.1	168.8	22,000 *	52.2	167.1	22,600 *	54.1	163.2	21,000 *	145
150	48.3	164.3	20,700 *	50.4	162.5	21,200 *	52.2	158.5	20,600 *	150
155	46.4	159.5	19,400 *	48.5	157.6	20,000 *	50.3	153.5	20,200 *	155
160	44.5	154.3	18,300 *	46.5	152.4	18,800 *	48.3	148.2	19,200 *	160
165	42.5	148.8	17,200 *	44.5	146.8	17,700 *	46.2	142.4	18,000 *	165
170	40.4	142.9	16,200 *	42.4	140.8	16,600 *	44.0	136.2	17,000 *	170
175	38.3	136.5	15,300 *	40.2	134.3	15,600 *				175
180	36.0	129.6	14,400 *	37.9	127.2	14,700 *				180
185	33.5	122.0	13,500 *	35.4	119.5	13,800 *				185
190	30.9	113.6	12,700 *	32.7	110.9	13,000 *				190
195	28.1	104.3	12,000 *							195
200	24.9	93.7	11,200 *							200
205	21.3	81.2	10,500 *							205

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

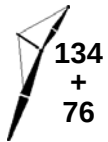


50.0 ft

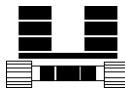
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
45	80.7	227.9	43,700 *							45
50	79.4	227.0	43,000 *							50
55	78.1	225.8	42,300 *	80.3	224.5	38,900 *				55
60	76.8	224.6	41,600 *	79.0	223.2	38,500 *				60
65	75.5	223.3	41,000 *	77.7	221.9	38,000 *	79.9	218.8	32,500 *	65
70	74.1	221.8	40,400 *	76.3	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	70.0	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 *	71.5	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	34,300	65.1	203.5	33,600 *	67.2	200.2	24,900 *	110
115	61.5	202.3	32,000	63.6	200.7	32,500 *	65.7	197.4	24,300 *	115
120	60.0	199.3	29,900	62.1	197.8	30,700	64.1	194.3	23,800 *	120
125	58.5	196.2	27,900	60.6	194.6	28,700	62.6	191.1	23,200 *	125
130	57.0	192.9	26,100	59.1	191.3	26,900	61.0	187.7	22,700 *	130
135	55.4	189.4	24,500	57.5	187.7	25,200	59.4	184.1	22,300 *	135
140	53.8	185.7	23,000	55.9	184.0	23,700	57.8	180.3	21,800 *	140
145	52.2	181.7	21,600	54.2	180.0	22,200	56.1	176.2	21,400 *	145
150	50.5	177.5	20,300	52.5	175.8	20,900	54.3	171.9	21,000 *	150
155	48.8	173.1	19,100	50.8	171.3	19,600	52.6	167.3	20,100	155
160	47.1	168.4	17,900	49.0	166.5	18,400	50.7	162.4	18,900	160
165	45.3	163.4	16,900	47.2	161.4	17,300	48.9	157.2	17,700	165
170	43.4	158.0	15,800	45.3	156.0	16,300	46.9	151.6	16,700	170
175	41.4	152.3	14,900	43.3	150.2	15,300	44.9	145.6	15,700	175
180	39.4	146.1	14,000	41.3	144.0	14,400	42.7	139.2	14,700	180
185	37.3	139.5	13,200	39.1	137.2	13,500				185
190	35.0	132.3	12,400	36.8	129.9	12,700				190
195	32.7	124.5	11,600	34.4	121.9	11,900				195
200	30.1	115.9	10,900	31.8	113.1	11,100				200
205	27.3	106.3	10,200							205
210	24.2	95.3	9,500							210

14000 S-2

ANSI B30.5



134
+
76



168,000 lb
+
53,000 lb



360°



183.7 ft

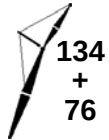


50.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	
50	79.9	237.0	42,900 *							50
55	78.6	235.9	42,200 *	80.7	234.6	38,800 *				55
60	77.3	234.8	41,600 *	79.5	233.4	38,400 *				60
65	76.1	233.5	41,000 *	78.2	232.1	38,000 *	80.4	229.0	32,900 *	65
70	74.8	232.1	40,400 *	76.9	230.6	37,600 *	79.1	227.6	31,800 *	70
75	73.5	230.5	39,800 *	75.6	229.1	37,100 *	77.7	226.0	30,800 *	75
80	72.2	228.9	39,300 *	74.3	227.4	36,600 *	76.4	224.3	29,800 *	80
85	70.9	227.1	38,800 *	73.0	225.6	36,200 *	75.1	222.5	29,000 *	85
90	69.6	225.2	38,300 *	71.7	223.7	35,700 *	73.8	220.5	28,200 *	90
95	68.3	223.1	37,800 *	70.4	221.6	35,300 *	72.4	218.5	27,400 *	95
100	67.0	220.9	37,300 *	69.0	219.5	34,900 *	71.0	216.2	26,700 *	100
105	65.6	218.6	36,400 *	67.6	217.1	34,500 *	69.6	213.8	26,000 *	105
110	64.2	216.1	33,800 *	66.3	214.6	34,100 *	68.2	211.3	25,400 *	110
115	62.8	213.5	31,500 *	64.9	212.0	32,500 *	66.8	208.6	24,800 *	115
120	61.4	210.7	29,400 *	63.5	209.2	30,300 *	65.4	205.8	24,200 *	120
125	60.0	207.8	27,400 *	62.0	206.2	28,300 *	63.9	202.8	23,700 *	125
130	58.6	204.7	25,700 *	60.6	203.1	26,500 *	62.4	199.6	23,200 *	130
135	57.1	201.4	24,000 *	59.1	199.7	24,800 *	60.9	196.2	22,700 *	135
140	55.6	197.9	22,500 *	57.6	196.2	23,200 *	59.4	192.6	22,300 *	140
145	54.1	194.2	21,100 *	56.0	192.5	21,800 *	57.8	188.8	21,900 *	145
150	52.5	190.3	19,800 *	54.5	188.6	20,400 *	56.2	184.8	21,000 *	150
155	50.9	186.2	18,600 *	52.9	184.4	19,200 *	54.6	180.5	19,700 *	155
160	49.3	181.8	17,400 *	51.2	180.0	18,000 *	52.9	176.0	18,500 *	160
165	47.6	177.2	16,400 *	49.5	175.4	16,900 *	51.2	171.3	17,300 *	165
170	45.9	172.3	15,400 *	47.8	170.4	15,900 *	49.4	166.2	16,300 *	170
175	44.2	167.1	14,400 *	46.0	165.1	14,900 *	47.6	160.7	15,300 *	175
180	42.3	161.6	13,500 *	44.1	159.5	14,000 *	45.6	155.0	14,300 *	180
185	40.4	155.6	12,700 *	42.2	153.5	13,100 *	43.7	148.8	13,400 *	185
190	38.4	149.3	11,900 *	40.2	147.0	12,300 *				190
195	36.4	142.5	11,100 *	38.1	140.1	11,500 *				195
200	34.2	135.1	10,400 *	35.9	132.6	10,700 *				200
205	31.8	127.0	9,700 *	33.5	124.3	10,000 *				205
210	29.3	118.1	9,100 *							210
215	26.6	108.2	8,500 *							215
220	23.6	96.9	7,800 *							220

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



193.6 ft

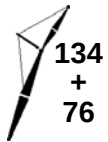


50.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
50	80.3	247.0	42,700 *							50
55	79.1	246.0	42,100 *							55
60	77.9	244.9	41,500 *	79.9	243.5	38,300 *				60
65	76.7	243.6	40,900 *	78.7	242.2	37,900 *	80.8	239.2	33,200 *	65
70	75.4	242.3	40,400 *	77.5	240.9	37,500 *	79.5	237.8	32,200 *	70
75	74.2	240.8	39,800 *	76.2	239.4	37,200 *	78.3	236.3	31,200 *	75
80	73.0	239.2	39,300 *	75.0	237.8	36,700 *	77.0	234.7	30,300 *	80
85	71.7	237.5	38,800 *	73.7	236.1	36,200 *	75.7	232.9	29,400 *	85
90	70.5	235.7	38,300 *	72.5	234.3	35,800 *	74.5	231.1	28,600 *	90
95	69.2	233.8	37,900 *	71.2	232.3	35,400 *	73.2	229.1	27,800 *	95
100	67.9	231.7	37,400 *	69.9	230.2	35,000 *	71.9	227.0	27,100 *	100
105	66.7	229.5	36,000 *	68.6	228.0	34,600 *	70.6	224.7	26,400 *	105
110	65.4	227.1	33,400 *	67.3	225.6	34,300 *	69.2	222.3	25,800 *	110
115	64.0	224.6	31,100 *	66.0	223.1	32,100 *	67.9	219.7	25,200 *	115
120	62.7	222.0	29,000 *	64.6	220.4	29,900 *	66.5	217.1	24,700 *	120
125	61.4	219.2	27,000 *	63.3	217.6	27,900 *	65.1	214.2	24,100 *	125
130	60.0	216.3	25,300 *	61.9	214.7	26,100 *	63.7	211.2	23,600 *	130
135	58.6	213.2	23,600 *	60.5	211.5	24,400 *	62.3	208.0	23,100 *	135
140	57.2	209.9	22,100 *	59.1	208.2	22,900 *	60.9	204.6	22,700 *	140
145	55.8	206.4	20,700 *	57.7	204.7	21,400 *	59.4	201.1	22,100 *	145
150	54.3	202.8	19,400 *	56.2	201.1	20,100 *	57.9	197.3	20,700 *	150
155	52.8	198.9	18,200 *	54.7	197.2	18,800 *	56.4	193.4	19,400 *	155
160	51.3	194.9	17,000 *	53.2	193.1	17,600 *	54.8	189.2	18,200 *	160
165	49.8	190.6	16,000 *	51.6	188.7	16,500 *	53.2	184.7	17,000 *	165
170	48.2	186.0	15,000 *	50.0	184.2	15,500 *	51.6	180.1	16,000 *	170
175	46.5	181.2	14,000 *	48.3	179.3	14,500 *	49.9	175.1	14,900 *	175
180	44.9	176.2	13,100 *	46.6	174.2	13,600 *	48.1	169.8	14,000 *	180
185	43.1	170.8	12,300 *	44.9	168.7	12,700 *	46.3	164.2	13,100 *	185
190	41.3	165.0	11,500 *	43.1	162.9	11,900 *	44.5	158.2	12,200 *	190
195	39.5	158.9	10,700 *	41.2	156.7	11,100 *				195
200	37.5	152.3	10,000 *	39.2	150.0	10,400 *				200
205	35.5	145.3	9,300 *	37.1	142.9	9,700 *				205
210	33.4	137.7	8,700 *	35.0	135.1	9,000 *				210
215	31.1	129.4	8,100 *	32.6	126.6	8,300 *				215
220	28.6	120.2	7,500 *							220
225	26.0	110.0	6,900 *							225
230	23.0	98.4	6,400 *							230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



203.4 ft

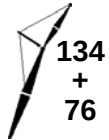


50.0 ft

	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
50	80.7	257.0	42,500 *							50
55	79.5	256.1	41,900 *							55
60	78.3	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 *	78.7	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	68.8	242.4	37,400 *	70.8	240.9	35,100 *	72.6	237.6	27,500 *	100
105	67.6	240.2	35,700	69.5	238.7	34,800 *	71.4	235.5	26,900 *	105
110	66.4	238.0	33,100	68.3	236.5	34,200	70.1	233.2	26,200 *	110
115	65.1	235.6	30,800	67.0	234.1	31,800	68.8	230.8	25,600 *	115
120	63.9	233.1	28,600	65.7	231.6	29,600	67.5	228.2	25,100 *	120
125	62.6	230.5	26,700	64.4	228.9	27,600	66.2	225.5	24,500 *	125
130	61.3	227.7	24,900	63.1	226.1	25,800	64.9	222.6	24,000 *	130
135	60.0	224.7	23,300	61.8	223.1	24,100	63.6	219.6	23,600 *	135
140	58.6	221.6	21,800	60.5	220.0	22,500	62.2	216.4	23,100 *	140
145	57.3	218.4	20,300	59.1	216.7	21,100	60.8	213.1	21,800	145
150	55.9	214.9	19,000	57.7	213.2	19,700	59.4	209.6	20,400	150
155	54.5	211.3	17,800	56.3	209.6	18,500	58.0	205.8	19,100	155
160	53.1	207.5	16,700	54.9	205.8	17,300	56.5	201.9	17,900	160
165	51.7	203.5	15,600	53.4	201.7	16,200	55.0	197.8	16,800	165
170	50.2	199.3	14,600	51.9	197.4	15,200	53.5	193.4	15,700	170
175	48.7	194.8	13,700	50.4	192.9	14,200	51.9	188.8	14,700	175
180	47.1	190.1	12,800	48.8	188.2	13,300	50.3	184.0	13,700	180
185	45.5	185.1	11,900	47.2	183.2	12,400	48.7	178.8	12,800	185
190	43.9	179.9	11,200	45.6	177.8	11,600	47.0	173.4	12,000	190
195	42.2	174.3	10,400	43.8	172.2	10,800	45.2	167.6	11,100	195
200	40.4	168.4	9,700	42.1	166.2	10,100	43.4	161.4	10,400	200
205	38.6	162.1	9,000	40.2	159.8	9,400				205
210	36.7	155.3	8,400	38.3	152.9	8,700				210
215	34.7	148.1	7,700	36.3	145.6	8,000				215
220	32.6	140.2	7,100	34.1	137.6	7,400				220
225	30.4	131.7	6,600	31.8	128.8	6,800				225
230	28.0	122.3	6,000							230
235	25.3	111.8	5,500							235
240	22.4	99.9	5,000							240

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

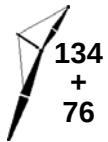


50.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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	70.8	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	35,300	70.3	249.4	34,800 *	72.1	246.1	27,300 *	105
110	67.3	248.8	32,700	69.1	247.3	33,900	70.9	244.0	26,600 *	110
115	66.1	246.5	30,400	67.9	245.0	31,500	69.7	241.7	26,000 *	115
120	64.9	244.1	28,200	66.7	242.6	29,300	68.5	239.2	25,500 *	120
125	63.7	241.6	26,300	65.5	240.1	27,300	67.2	236.6	24,900 *	125
130	62.5	239.0	24,500	64.3	237.4	25,400	66.0	233.9	24,400 *	130
135	61.2	236.2	22,900	63.0	234.6	23,800	64.7	231.1	24,000 *	135
140	60.0	233.2	21,400	61.7	231.6	22,200	63.4	228.0	23,000	140
145	58.7	230.1	19,900	60.4	228.5	20,700	62.1	224.9	21,500	145
150	57.4	226.9	18,600	59.1	225.2	19,400	60.8	221.5	20,100	150
155	56.1	223.5	17,400	57.8	221.7	18,100	59.4	218.0	18,800	155
160	54.7	219.9	16,300	56.4	218.1	16,900	58.0	214.3	17,600	160
165	53.4	216.1	15,200	55.1	214.3	15,800	56.6	210.5	16,400	165
170	52.0	212.1	14,200	53.7	210.3	14,800	55.2	206.4	15,300	170
175	50.5	207.9	13,300	52.2	206.1	13,800	53.7	202.1	14,300	175
180	49.1	203.6	12,400	50.8	201.7	12,900	52.2	197.6	13,400	180
185	47.6	198.9	11,500	49.3	197.0	12,000	50.7	192.8	12,500	185
190	46.1	194.1	10,800	47.7	192.1	11,200	49.1	187.8	11,600	190
195	44.5	188.9	10,000	46.2	186.9	10,400	47.5	182.5	10,800	195
200	42.9	183.5	9,300	44.5	181.4	9,700	45.9	176.8	10,000	200
205	41.3	177.8	8,600	42.9	175.6	9,000	44.1	170.8	9,300	205
210	39.5	171.7	8,000	41.1	169.4	8,300				210
215	37.8	165.2	7,300	39.3	162.8	7,700				215
220	35.9	158.2	6,800	37.4	155.8	7,100				220
225	33.9	150.8	6,200	35.4	148.2	6,500				225
230	31.9	142.7	5,700	33.3	140.0	5,900				230
235	29.7	133.9	5,100							235
240	27.3	124.3	4,600							240
245	24.7	113.6	4,200							245

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



223.1 ft

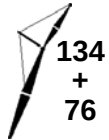


50.0 ft

	5°			15°			25°			
	ft	o	ft	lb	ft	lb	ft	lb	ft	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 *	79.9	272.6	37,500 *				65
70	77.0	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 *	73.3	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	34,700	71.1	260.0	34,800 *	72.8	256.8	27,600 *	105
110	68.2	259.5	32,200	69.9	258.0	33,400	71.7	254.7	27,000 *	110
115	67.0	257.3	29,800	68.8	255.8	31,000	70.5	252.5	26,400 *	115
120	65.9	255.1	27,700	67.6	253.5	28,800	69.3	250.1	25,900 *	120
125	64.7	252.7	25,700	66.5	251.1	26,800	68.1	247.7	25,300 *	125
130	63.6	250.1	23,900	65.3	248.5	24,900	66.9	245.1	24,800 *	130
135	62.4	247.4	22,300	64.1	245.8	23,200	65.7	242.4	24,100	135
140	61.2	244.6	20,800	62.9	243.0	21,700	64.5	239.5	22,500	140
145	59.9	241.7	19,400	61.6	240.1	20,200	63.3	236.5	21,000	145
150	58.7	238.6	18,100	60.4	236.9	18,800	62.0	233.3	19,600	150
155	57.5	235.4	16,800	59.1	233.7	17,600	60.7	230.0	18,300	155
160	56.2	232.0	15,700	57.9	230.2	16,400	59.4	226.5	17,100	160
165	54.9	228.4	14,600	56.6	226.7	15,300	58.1	222.9	15,900	165
170	53.6	224.7	13,600	55.2	222.9	14,300	56.7	219.0	14,800	170
175	52.3	220.7	12,700	53.9	218.9	13,300	55.4	215.0	13,800	175
180	50.9	216.6	11,800	52.5	214.8	12,400	54.0	210.8	12,900	180
185	49.5	212.3	11,000	51.1	210.4	11,500	52.5	206.3	12,000	185
190	48.1	207.7	10,200	49.7	205.8	10,700	51.1	201.6	11,100	190
195	46.6	203.0	9,400	48.2	201.0	9,900	49.6	196.7	10,300	195
200	45.1	197.9	8,700	46.7	195.9	9,100	48.0	191.5	9,500	200
205	43.6	192.6	8,000	45.2	190.6	8,400	46.5	186.0	8,800	205
210	42.0	187.1	7,400	43.6	184.9	7,800	44.8	180.2	8,100	210
215	40.4	181.1	6,800	41.9	178.9	7,100	43.1	174.0	7,400	215
220	38.7	174.9	6,200	40.2	172.5	6,500				220
225	37.0	168.2	5,600	38.5	165.8	5,900				225
230	35.1	161.0	5,100	36.6	158.5	5,400				230
235	33.2	153.4	4,500	34.6	150.7	4,800				235
240	31.2	145.1	4,000	32.6	142.3	4,300				240

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



232.9 ft

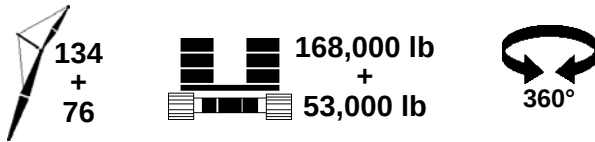


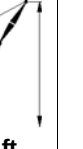
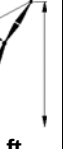
50.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
55	80.6	286.1	41,100 *							55
60	79.6	285.2	40,700 *							60
65	78.5	284.1	40,200 *	80.3	282.7	37,300 *				65
70	77.5	283.0	39,700 *	79.3	281.5	37,000 *				70
75	76.5	281.7	39,300 *	78.2	280.3	36,700 *	80.0	277.1	32,500 *	75
80	75.4	280.4	38,800 *	77.2	278.9	36,400 *	78.9	275.7	31,700 *	80
85	74.4	278.9	38,400 *	76.1	277.5	36,100 *	77.8	274.2	30,800 *	85
90	73.3	277.4	38,000 *	75.0	275.9	35,900 *	76.8	272.7	30,100 *	90
95	72.2	275.7	37,600 *	74.0	274.2	35,500 *	75.7	271.0	29,300 *	95
100	71.2	274.0	37,200 *	72.9	272.5	35,200 *	74.6	269.2	28,700 *	100
105	70.1	272.1	34,800	71.8	270.6	34,800 *	73.5	267.3	28,000 *	105
110	69.0	270.2	32,300	70.7	268.6	33,500	72.4	265.3	27,400 *	110
115	67.9	268.1	29,900	69.6	266.5	31,100	71.3	263.2	26,800 *	115
120	66.8	265.9	27,800	68.5	264.3	28,900	70.1	261.0	26,200 *	120
125	65.7	263.6	25,800	67.4	262.0	26,900	69.0	258.6	25,700 *	125
130	64.5	261.2	24,000	66.2	259.6	25,000	67.8	256.1	25,200 *	130
135	63.4	258.6	22,400	65.1	257.0	23,300	66.7	253.5	24,200	135
140	62.3	255.9	20,900	63.9	254.3	21,800	65.5	250.8	22,600	140
145	61.1	253.1	19,500	62.8	251.5	20,300	64.3	247.9	21,100	145
150	59.9	250.2	18,100	61.6	248.5	18,900	63.1	244.9	19,700	150
155	58.7	247.1	16,900	60.4	245.4	17,700	61.9	241.8	18,400	155
160	57.5	243.9	15,800	59.2	242.2	16,500	60.7	238.5	17,200	160
165	56.3	240.5	14,700	57.9	238.7	15,400	59.4	235.0	16,000	165
170	55.1	236.9	13,700	56.7	235.2	14,400	58.1	231.4	15,000	170
175	53.8	233.2	12,800	55.4	231.4	13,400	56.8	227.6	14,000	175
180	52.5	229.3	11,900	54.1	227.5	12,500	55.5	223.6	13,000	180
185	51.2	225.3	11,000	52.8	223.4	11,600	54.2	219.4	12,100	185
190	49.9	221.0	10,200	51.4	219.1	10,800	52.8	215.0	11,200	190
195	48.5	216.5	9,500	50.1	214.6	10,000	51.4	210.4	10,400	195
200	47.1	211.8	8,800	48.7	209.9	9,300	50.0	205.6	9,700	200
205	45.7	206.9	8,100	47.2	204.9	8,600	48.5	200.5	8,900	205
210	44.2	201.7	7,500	45.8	199.7	7,900	47.0	195.1	8,200	210
215	42.7	196.3	6,800	44.2	194.1	7,200	45.5	189.5	7,600	215
220	41.2	190.5	6,300	42.7	188.3	6,600	43.9	183.5	6,900	220
225	39.6	184.4	5,700	41.1	182.1	6,000				225
230	38.0	178.0	5,200	39.4	175.6	5,500				230
235	36.2	171.1	4,600	37.6	168.6	4,900				235
240	34.4	163.8	4,200	35.8	161.2	4,400				240

14000 S-2

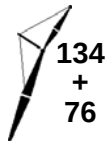
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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	34,500	72.4	281.1	34,800 *	74.1	277.8	28,400 *	105
110	69.7	280.7	31,900	71.4	279.2	33,200	73.0	275.9	27,700 *	110
115	68.7	278.7	29,600	70.3	277.2	30,800	71.9	273.9	27,100 *	115
120	67.6	276.6	27,400	69.3	275.1	28,600	70.9	271.7	26,600 *	120
125	66.5	274.4	25,500	68.2	272.9	26,600	69.8	269.5	26,100 *	125
130	65.5	272.1	23,700	67.1	270.5	24,700	68.7	267.1	25,600 *	130
135	64.4	269.7	22,000	66.0	268.1	23,000	67.6	264.6	23,900	135
140	63.3	267.1	20,500	64.9	265.5	21,400	66.4	262.0	22,300	140
145	62.2	264.4	19,100	63.8	262.8	20,000	65.3	259.2	20,800	145
150	61.0	261.6	17,800	62.6	259.9	18,600	64.1	256.4	19,400	150
155	59.9	258.6	16,600	61.5	257.0	17,400	63.0	253.4	18,100	155
160	58.8	255.6	15,400	60.3	253.9	16,200	61.8	250.2	16,900	160
165	57.6	252.3	14,400	59.2	250.6	15,100	60.6	246.9	15,700	165
170	56.4	249.0	13,400	58.0	247.2	14,000	59.4	243.5	14,700	170
175	55.2	245.5	12,400	56.8	243.7	13,100	58.2	239.9	13,700	175
180	54.0	241.8	11,500	55.5	240.0	12,100	56.9	236.1	12,700	180
185	52.8	237.9	10,700	54.3	236.1	11,300	55.7	232.1	11,800	185
190	51.5	233.9	9,900	53.0	232.1	10,400	54.4	228.0	10,900	190
195	50.2	229.7	9,100	51.7	227.8	9,700	53.1	223.7	10,100	195
200	48.9	225.3	8,400	50.4	223.4	8,900	51.7	219.2	9,400	200
205	47.6	220.7	7,700	49.1	218.7	8,200	50.4	214.4	8,600	205
210	46.2	215.8	7,100	47.7	213.8	7,500	49.0	209.4	7,900	210
215	44.8	210.7	6,500	46.3	208.7	6,900	47.5	204.2	7,300	215
220	43.4	205.4	5,900	44.8	203.3	6,300	46.0	198.7	6,600	220
225	41.9	199.8	5,300	43.4	197.6	5,700	44.5	192.8	6,000	225
230	40.4	193.9	4,800	41.8	191.6	5,200	42.9	186.7	5,400	230
235	38.8	187.6	4,300	40.2	185.3	4,600				235
240				38.6	178.6	4,100				240

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



252.6 ft

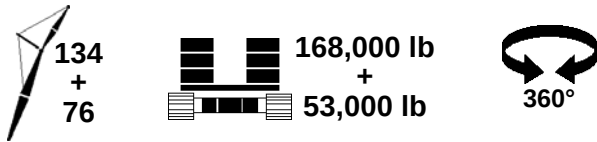


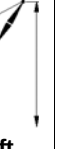
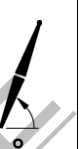
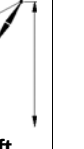
50.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
60	80.3	305.2	39,900 *							60
65	79.3	304.2	39,500 *	80.9	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 *	75.6	290.0	29,300 *	100
105	71.4	293.1	34,100	73.0	291.6	34,700 *	74.6	288.3	28,700 *	105
110	70.4	291.3	31,500	72.0	289.7	32,900	73.6	286.4	28,100 *	110
115	69.4	289.4	29,200	71.0	287.8	30,400	72.6	284.5	27,500 *	115
120	68.4	287.3	27,000	70.0	285.8	28,200	71.5	282.4	26,900 *	120
125	67.4	285.2	25,100	68.9	283.6	26,200	70.5	280.2	26,400 *	125
130	66.3	283.0	23,300	67.9	281.4	24,400	69.4	278.0	25,400	130
135	65.3	280.6	21,600	66.8	279.0	22,600	68.4	275.6	23,600	135
140	64.2	278.2	20,100	65.8	276.6	21,100	67.3	273.1	22,000	140
145	63.2	275.6	18,700	64.7	274.0	19,600	66.2	270.4	20,500	145
150	62.1	272.9	17,400	63.6	271.2	18,300	65.1	267.7	19,100	150
155	61.0	270.1	16,200	62.5	268.4	17,000	64.0	264.8	17,800	155
160	59.9	267.1	15,000	61.4	265.4	15,800	62.9	261.8	16,500	160
165	58.8	264.0	14,000	60.3	262.4	14,700	61.7	258.7	15,400	165
170	57.7	260.8	12,900	59.2	259.1	13,700	60.6	255.4	14,300	170
175	56.5	257.5	12,000	58.0	255.7	12,700	59.4	252.0	13,300	175
180	55.4	254.0	11,100	56.9	252.2	11,800	58.2	248.4	12,400	180
185	54.2	250.3	10,300	55.7	248.5	10,900	57.0	244.6	11,500	185
190	53.0	246.5	9,500	54.5	244.7	10,100	55.8	240.7	10,600	190
195	51.8	242.5	8,700	53.3	240.7	9,300	54.6	236.6	9,800	195
200	50.6	238.4	8,000	52.0	236.5	8,500	53.3	232.4	9,000	200
205	49.3	234.0	7,300	50.8	232.1	7,800	52.0	227.9	8,300	205
210	48.0	229.5	6,700	49.5	227.5	7,200	50.7	223.2	7,600	210
215	46.7	224.7	6,100	48.1	222.7	6,500	49.4	218.3	6,900	215
220	45.4	219.7	5,500	46.8	217.7	5,900	48.0	213.2	6,300	220
225	44.0	214.5	4,900	45.4	212.4	5,300	46.6	207.8	5,700	225
230	42.6	209.0	4,400	44.0	206.9	4,800	45.1	202.1	5,100	230
235				42.5	201.0	4,200	43.6	196.1	4,500	235

14000 S-2

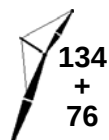
ANSI B30.5



	5°			15°			25°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35	80.9	170.0	39,000 *							35
40	79.1	168.9	38,000 *							40
45	77.3	167.7	37,100 *							45
50	75.5	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 *	68.2	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	39.1	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	29.4	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

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb

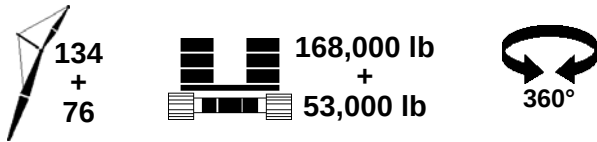


114.8 ft



60.0 ft

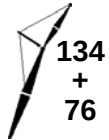
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
40	79.8	179.0	38,100 *							40
45	78.1	177.9	37,300 *							45
50	76.4	176.6	36,400 *	80.2	175.5	31,500 *				50
55	74.7	175.1	35,600 *	78.5	174.1	31,300 *				55
60	73.0	173.5	34,700 *	76.7	172.5	30,800 *	80.3	169.5	28,100 *	60
65	71.2	171.7	33,800 *	75.0	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 *	55.8	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 *	51.9	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 *	46.7	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



	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	69.0	172.9	28,700 *	72.2	169.6	23,100 *	85
90	63.8	171.3	30,600 *	67.3	170.3	28,200 *	70.4	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 *	58.9	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	46.3	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	21,300	40.0	113.2	19,100 *	42.3	108.0	15,700 *	155
160	33.9	106.7	20,200	37.2	105.7	18,700 *				160
165	30.8	98.3	19,100	34.1	97.2	18,200 *				165
170	27.5	88.7	18,100	30.7	87.6	17,800 *				170
175	23.7	77.5	17,100							175

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



134.5 ft

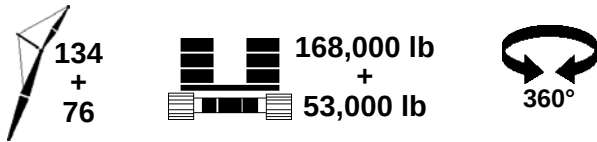


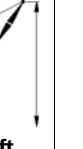
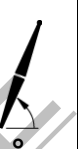
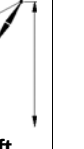
60.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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 *	59.9	166.6	25,600 *	62.8	163.0	19,500 *	115
120	54.8	164.0	27,700 *	58.1	163.0	24,700 *	60.9	159.3	18,900 *	120
125	53.0	160.2	27,200 *	56.2	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	24,900	50.3	146.0	21,700 *	52.9	141.7	17,200 *	140
145	45.0	141.8	23,500	48.2	140.9	21,000 *	50.7	136.5	16,800 *	145
150	42.8	136.4	22,200	46.0	135.4	20,500 *	48.4	130.8	16,400 *	150
155	40.5	130.5	21,000	43.7	129.5	19,900 *	46.0	124.6	16,100 *	155
160	38.1	124.0	19,800	41.3	123.0	19,400 *	43.5	117.9	15,900 *	160
165	35.6	117.0	18,700	38.7	116.0	18,900 *				165
170	32.9	109.2	17,700	35.9	108.1	18,200				170
175	29.9	100.5	16,800	33.0	99.4	17,200				175
180	26.6	90.6	15,900							180
185	22.9	79.0	15,000							185

14000 S-2

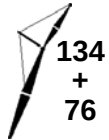
ANSI B30.5



	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	76.9	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 *	78.7	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	68.0	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	60.1	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	25,900	54.6	163.7	23,200 *	57.1	159.7	18,000 *	135
140	49.7	160.4	24,400	52.7	159.4	22,500 *	55.2	155.3	17,600 *	140
145	47.8	155.8	23,000	50.8	154.8	21,800 *	53.2	150.5	17,200 *	145
150	45.8	150.8	21,700	48.8	149.8	21,200 *	51.2	145.4	16,900 *	150
155	43.7	145.5	20,500	46.8	144.5	20,700 *	49.1	139.9	16,500 *	155
160	41.6	139.8	19,300	44.6	138.8	19,900	46.9	134.0	16,200 *	160
165	39.4	133.7	18,300	42.4	132.7	18,800	44.5	127.6	16,000 *	165
170	37.0	127.0	17,300	40.0	126.0	17,800	42.1	120.6	15,700 *	170
175	34.6	119.7	16,300	37.5	118.6	16,800				175
180	31.9	111.7	15,400	34.8	110.5	15,800				180
185	29.0	102.7	14,600	31.9	101.5	14,900				185
190	25.8	92.4	13,700							190
195	22.2	80.4	13,000							195

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



154.2 ft

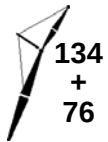


60.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	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	28,500 *	65
70	73.4	211.7	34,300 *	76.5	210.5	30,300 *	79.3	207.2	27,400 *	70
75	72.0	210.0	33,600 *	75.0	208.8	30,000 *	77.9	205.5	26,400 *	75
80	70.6	208.1	32,900 *	73.6	207.0	29,600 *	76.4	203.7	25,400 *	80
85	69.1	206.2	32,300 *	72.2	205.1	29,300 *	74.9	201.7	24,500 *	85
90	67.7	204.1	31,700 *	70.7	202.9	28,900 *	73.4	199.5	23,700 *	90
95	66.2	201.8	31,100 *	69.2	200.7	28,500 *	71.9	197.2	23,000 *	95
100	64.7	199.4	30,600 *	67.7	198.3	28,100 *	70.4	194.8	22,300 *	100
105	63.2	196.8	30,000 *	66.2	195.7	27,700 *	68.9	192.1	21,600 *	105
110	61.7	194.0	29,500 *	64.7	192.9	27,300 *	67.3	189.3	21,000 *	110
115	60.1	191.1	29,000 *	63.1	190.0	27,000 *	65.7	186.3	20,400 *	115
120	58.5	187.9	28,500 *	61.5	186.9	26,500 *	64.1	183.2	19,900 *	120
125	56.9	184.6	28,100 *	59.9	183.6	25,600 *	62.4	179.8	19,400 *	125
130	55.3	181.1	27,100	58.3	180.0	24,800 *	60.8	176.2	18,900 *	130
135	53.6	177.3	25,500	56.6	176.3	24,000 *	59.0	172.3	18,500 *	135
140	51.9	173.3	24,000	54.8	172.3	23,300 *	57.3	168.2	18,000 *	140
145	50.2	169.1	22,600	53.1	168.1	22,600 *	55.5	163.9	17,700 *	145
150	48.3	164.6	21,300	51.3	163.5	22,000 *	53.6	159.3	17,300 *	150
155	46.5	159.8	20,100	49.4	158.7	20,800	51.7	154.3	17,000 *	155
160	44.6	154.6	18,900	47.5	153.6	19,600	49.7	149.0	16,600 *	160
165	42.6	149.1	17,900	45.5	148.1	18,500	47.6	143.3	16,300 *	165
170	40.5	143.2	16,900	43.4	142.1	17,400	45.4	137.1	16,100 *	170
175	38.3	136.8	15,900	41.2	135.7	16,400	43.1	130.5	15,800 *	175
180	36.1	129.9	15,000	38.9	128.8	15,500				180
185	33.6	122.3	14,200	36.4	121.2	14,600				185
190	31.0	114.0	13,400	33.8	112.8	13,800				190
195	28.2	104.7	12,600	30.9	103.5	13,000				195
200	25.1	94.1	11,900							200
205	21.5	81.7	11,200							205

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



164.0 ft

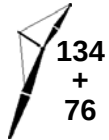


60.0 ft

	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 *	79.7	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	71.4	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 *	75.6	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	57.0	193.1	26,800	59.9	192.0	25,600 *	62.3	188.2	19,300 *	130
135	55.5	189.6	25,200	58.3	188.5	24,800 *	60.7	184.6	18,900 *	135
140	53.9	185.9	23,700	56.7	184.8	24,100 *	59.0	180.8	18,500 *	140
145	52.3	182.0	22,300	55.1	180.9	23,100	57.4	176.8	18,100 *	145
150	50.6	177.8	21,000	53.4	176.7	21,700	55.7	172.5	17,700 *	150
155	48.9	173.4	19,700	51.7	172.3	20,500	53.9	168.0	17,300 *	155
160	47.1	168.7	18,600	49.9	167.6	19,300	52.1	163.1	17,000 *	160
165	45.3	163.6	17,500	48.1	162.6	18,200	50.2	158.0	16,700 *	165
170	43.4	158.3	16,500	46.2	157.2	17,100	48.2	152.4	16,400 *	170
175	41.5	152.6	15,600	44.2	151.5	16,100	46.2	146.5	16,200 *	175
180	39.5	146.5	14,700	42.2	145.3	15,200	44.1	140.1	15,600	180
185	37.4	139.9	13,900	40.1	138.7	14,300	41.9	133.2	14,700	185
190	35.1	132.7	13,100	37.8	131.5	13,500				190
195	32.8	124.9	12,300	35.4	123.7	12,700				195
200	30.2	116.3	11,600	32.8	115.1	11,900				200
205	27.4	106.7	10,900							205
210	24.4	95.8	10,200							210
215	20.9	83.0	9,600							215

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

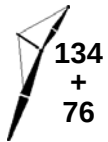


60.0 ft

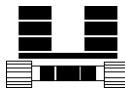
	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	79.9	237.2	36,800 *							50
55	78.6	236.1	36,200 *							55
60	77.4	235.0	35,600 *	80.2	233.7	31,000 *				60
65	76.1	233.7	35,100 *	78.9	232.4	30,600 *				65
70	74.8	232.3	34,500 *	77.6	231.0	30,300 *	80.3	227.7	28,100 *	70
75	73.6	230.7	33,900 *	76.4	229.5	30,000 *	78.9	226.1	27,100 *	75
80	72.3	229.1	33,400 *	75.1	227.9	29,700 *	77.6	224.5	26,200 *	80
85	71.0	227.3	32,800 *	73.7	226.1	29,400 *	76.3	222.7	25,400 *	85
90	69.6	225.4	32,200 *	72.4	224.2	29,100 *	75.0	220.7	24,600 *	90
95	68.3	223.3	31,700 *	71.1	222.2	28,800 *	73.6	218.7	23,800 *	95
100	67.0	221.1	31,100 *	69.8	220.0	28,500 *	72.2	216.5	23,100 *	100
105	65.6	218.8	30,600 *	68.4	217.7	28,100 *	70.9	214.1	22,500 *	105
110	64.3	216.4	30,100 *	67.0	215.2	27,800 *	69.5	211.6	21,900 *	110
115	62.9	213.7	29,700 *	65.6	212.6	27,400 *	68.0	208.9	21,300 *	115
120	61.5	211.0	29,200 *	64.2	209.8	27,100 *	66.6	206.1	20,700 *	120
125	60.1	208.0	28,200 *	62.8	206.9	26,800 *	65.2	203.1	20,200 *	125
130	58.6	204.9	26,400 *	61.3	203.8	26,400 *	63.7	200.0	19,700 *	130
135	57.2	201.6	24,800 *	59.9	200.5	25,600 *	62.2	196.6	19,300 *	135
140	55.7	198.1	23,300 *	58.4	197.0	24,200 *	60.6	193.1	18,900 *	140
145	54.1	194.5	21,900 *	56.8	193.4	22,700 *	59.1	189.3	18,500 *	145
150	52.6	190.6	20,600 *	55.3	189.5	21,400 *	57.5	185.3	18,100 *	150
155	51.0	186.5	19,300 *	53.7	185.4	20,100 *	55.8	181.1	17,700 *	155
160	49.4	182.1	18,200 *	52.0	181.0	18,900 *	54.2	176.7	17,400 *	160
165	47.7	177.5	17,100 *	50.4	176.4	17,800 *	52.4	171.9	17,100 *	165
170	46.0	172.6	16,100 *	48.6	171.5	16,800 *	50.7	166.9	16,800 *	170
175	44.2	167.4	15,200 *	46.9	166.3	15,800 *	48.8	161.5	16,300 *	175
180	42.4	161.9	14,300 *	45.0	160.7	14,900 *	46.9	155.8	15,300 *	180
185	40.5	155.9	13,500 *	43.1	154.8	14,000 *	44.9	149.7	14,400 *	185
190	38.5	149.6	12,700 *	41.1	148.5	13,200 *	42.9	143.1	13,500 *	190
195	36.4	142.8	11,900 *	39.0	141.6	12,400 *				195
200	34.3	135.4	11,200 *	36.8	134.2	11,600 *				200
205	31.9	127.4	10,500 *	34.5	126.1	10,900 *				205
210	29.4	118.5	9,900 *	31.9	117.2	10,200 *				210
215	26.7	108.6	9,200 *							215
220	23.7	97.4	8,600 *							220
225	20.3	84.2	8,100 *							225

14000 S-2

ANSI B30.5



134
+
76



168,000 lb
+
53,000 lb



360°



183.7 ft

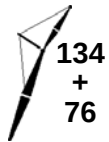


60.0 ft

	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	69.2	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	62.7	222.2	29,500 *	65.4	221.1	27,300 *	67.7	217.4	21,100 *	120
125	61.4	219.4	27,700	64.0	218.3	27,000 *	66.3	214.5	20,600 *	125
130	60.0	216.5	25,900	62.7	215.4	26,700 *	64.9	211.5	20,100 *	130
135	58.7	213.4	24,300	61.3	212.3	25,300	63.5	208.4	19,700 *	135
140	57.2	210.1	22,800	59.8	209.0	23,800	62.0	205.0	19,300 *	140
145	55.8	206.7	21,400	58.4	205.5	22,300	60.6	201.5	18,900 *	145
150	54.4	203.0	20,100	56.9	201.9	20,900	59.1	197.8	18,500 *	150
155	52.9	199.2	18,800	55.5	198.0	19,700	57.6	193.9	18,100 *	155
160	51.4	195.1	17,700	53.9	194.0	18,500	56.0	189.7	17,800 *	160
165	49.8	190.8	16,600	52.4	189.7	17,400	54.4	185.3	17,400 *	165
170	48.2	186.3	15,600	50.8	185.2	16,300	52.8	180.7	16,900	170
175	46.6	181.5	14,700	49.1	180.4	15,400	51.1	175.8	15,900	175
180	44.9	176.4	13,800	47.4	175.3	14,400	49.4	170.5	14,900	180
185	43.2	171.1	13,000	45.7	169.9	13,600	47.6	165.0	14,000	185
190	41.4	165.3	12,200	43.9	164.2	12,700	45.7	159.1	13,100	190
195	39.6	159.2	11,400	42.0	158.0	11,900	43.8	152.7	12,300	195
200	37.6	152.7	10,700	40.1	151.5	11,200	41.7	145.9	11,500	200
205	35.6	145.6	10,000	38.0	144.4	10,500				205
210	33.4	138.0	9,400	35.9	136.8	9,800				210
215	31.2	129.8	8,800	33.6	128.5	9,100				215
220	28.7	120.7	8,200	31.1	119.3	8,500				220
225	26.1	110.5	7,600							225
230	23.1	99.0	7,000							230

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



193.6 ft

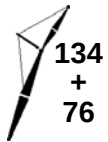


60.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
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 *	75
80	73.7	249.8	33,500 *	76.3	248.5	29,600 *	78.7	245.1	26,900 *	80
85	72.5	248.2	33,000 *	75.1	246.9	29,400 *	77.4	243.4	26,100 *	85
90	71.3	246.4	32,500 *	73.9	245.2	29,100 *	76.2	241.7	25,300 *	90
95	70.1	244.6	32,000 *	72.7	243.3	28,900 *	75.0	239.8	24,600 *	95
100	68.9	242.6	31,500 *	71.4	241.4	28,600 *	73.7	237.8	23,900 *	100
105	67.7	240.5	31,100 *	70.2	239.3	28,400 *	72.5	235.7	23,200 *	105
110	66.4	238.2	30,600 *	69.0	237.0	28,100 *	71.2	233.4	22,600 *	110
115	65.2	235.9	30,100 *	67.7	234.7	27,700 *	70.0	231.0	22,100 *	115
120	63.9	233.3	29,200 *	66.4	232.2	27,400 *	68.7	228.4	21,500 *	120
125	62.6	230.7	27,300 *	65.1	229.5	27,100 *	67.4	225.8	21,000 *	125
130	61.3	227.9	25,500 *	63.8	226.7	26,700 *	66.0	222.9	20,500 *	130
135	60.0	225.0	23,900 *	62.5	223.8	25,000 *	64.7	219.9	20,100 *	135
140	58.7	221.9	22,400 *	61.2	220.7	23,400 *	63.3	216.8	19,600 *	140
145	57.3	218.6	21,000 *	59.8	217.5	21,900 *	61.9	213.5	19,200 *	145
150	56.0	215.2	19,700 *	58.5	214.0	20,600 *	60.5	210.0	18,800 *	150
155	54.6	211.6	18,400 *	57.0	210.4	19,300 *	59.1	206.3	18,500 *	155
160	53.1	207.8	17,300 *	55.6	206.6	18,100 *	57.6	202.4	18,100 *	160
165	51.7	203.7	16,200 *	54.2	202.6	17,000 *	56.2	198.3	17,700 *	165
170	50.2	199.5	15,200 *	52.7	198.4	16,000 *	54.6	194.0	16,600 *	170
175	48.7	195.1	14,300 *	51.2	193.9	15,000 *	53.1	189.4	15,600 *	175
180	47.2	190.4	13,400 *	49.6	189.2	14,100 *	51.5	184.6	14,600 *	180
185	45.6	185.4	12,600 *	48.0	184.3	13,200 *	49.8	179.5	13,700 *	185
190	43.9	180.2	11,800 *	46.3	179.0	12,400 *	48.1	174.1	12,800 *	190
195	42.2	174.6	11,000 *	44.6	173.4	11,600 *	46.4	168.3	12,000 *	195
200	40.5	168.7	10,300 *	42.9	167.5	10,800 *	44.6	162.2	11,200 *	200
205	38.7	162.4	9,600 *	41.0	161.2	10,100 *	42.7	155.7	10,500 *	205
210	36.8	155.7	9,000 *	39.1	154.4	9,400 *				210
215	34.8	148.4	8,400 *	37.1	147.2	8,800 *				215
220	32.7	140.6	7,800 *	35.0	139.3	8,200 *				220
225	30.5	132.1	7,200 *	32.8	130.7	7,600 *				225
230	28.1	122.7	6,700 *							230
235	25.4	112.3	6,100 *							235
240	22.5	100.4	5,600 *							240

14000 S-2

ANSI B30.5



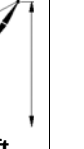
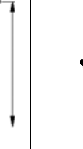
168,000 lb
+
53,000 lb



203.4 ft

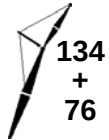


60.0 ft

	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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	75.4	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	28,900	67.4	243.2	27,600 *	69.5	239.4	21,900 *	120
125	63.7	241.8	27,000	66.2	240.6	27,300 *	68.3	236.9	21,400 *	125
130	62.5	239.2	25,200	64.9	238.0	26,400	67.0	234.2	20,900 *	130
135	61.3	236.4	23,500	63.7	235.2	24,700	65.8	231.3	20,400 *	135
140	60.0	233.4	22,000	62.4	232.3	23,100	64.5	228.4	20,000 *	140
145	58.7	230.4	20,600	61.1	229.2	21,600	63.2	225.2	19,600 *	145
150	57.4	227.1	19,300	59.8	225.9	20,300	61.8	221.9	19,200 *	150
155	56.1	223.7	18,100	58.5	222.5	19,000	60.5	218.4	18,800 *	155
160	54.8	220.1	16,900	57.1	218.9	17,800	59.1	214.8	18,500 *	160
165	53.4	216.3	15,900	55.8	215.2	16,700	57.7	210.9	17,400	165
170	52.0	212.4	14,900	54.4	211.2	15,700	56.3	206.9	16,300	170
175	50.6	208.2	13,900	53.0	207.0	14,700	54.8	202.6	15,300	175
180	49.1	203.8	13,000	51.5	202.7	13,800	53.3	198.1	14,300	180
185	47.7	199.2	12,200	50.0	198.0	12,900	51.8	193.4	13,400	185
190	46.1	194.4	11,400	48.5	193.2	12,100	50.3	188.4	12,500	190
195	44.6	189.2	10,700	46.9	188.0	11,300	48.6	183.1	11,700	195
200	43.0	183.8	10,000	45.3	182.6	10,500	47.0	177.6	10,900	200
205	41.3	178.1	9,300	43.6	176.9	9,800	45.3	171.6	10,200	205
210	39.6	172.0	8,600	41.9	170.7	9,100	43.5	165.3	9,500	210
215	37.8	165.5	8,000	40.1	164.2	8,500				215
220	36.0	158.6	7,400	38.2	157.3	7,900				220
225	34.0	151.1	6,900	36.3	149.8	7,300				225
230	32.0	143.1	6,300	34.2	141.7	6,700				230
235	29.8	134.3	5,800	32.0	132.9	6,100				235
240	27.4	124.7	5,300							240
245	24.8	114.0	4,800							245
250	22.0	101.9	4,400							250

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

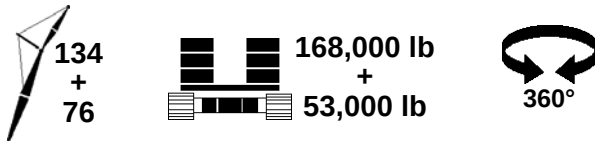


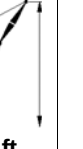
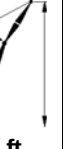
60.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
55	80.3	276.3	35,600 *							55
60	79.2	275.3	35,200 *							60
65	78.1	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 *	76.1	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	28,500 *	68.3	254.0	27,600 *	70.4	250.3	22,200 *	120
125	64.8	252.9	26,600 *	67.1	251.6	27,400 *	69.2	247.9	21,700 *	125
130	63.6	250.3	24,800 *	65.9	249.1	26,000 *	68.0	245.3	21,300 *	130
135	62.4	247.7	23,100 *	64.7	246.5	24,300 *	66.8	242.6	20,800 *	135
140	61.2	244.9	21,600 *	63.5	243.7	22,700 *	65.5	239.8	20,400 *	140
145	60.0	241.9	20,200 *	62.3	240.7	21,300 *	64.3	236.8	19,900 *	145
150	58.7	238.8	18,900 *	61.1	237.6	19,900 *	63.0	233.6	19,600 *	150
155	57.5	235.6	17,700 *	59.8	234.4	18,600 *	61.7	230.3	19,200 *	155
160	56.2	232.2	16,500 *	58.5	231.0	17,400 *	60.5	226.9	18,200 *	160
165	54.9	228.6	15,500 *	57.2	227.4	16,300 *	59.1	223.3	17,100 *	165
170	53.6	224.9	14,500 *	55.9	223.7	15,300 *	57.8	219.4	16,000 *	170
175	52.3	221.0	13,500 *	54.6	219.8	14,300 *	56.4	215.4	15,000 *	175
180	50.9	216.9	12,600 *	53.2	215.7	13,400 *	55.0	211.2	14,000 *	180
185	49.6	212.6	11,800 *	51.8	211.4	12,500 *	53.6	206.8	13,100 *	185
190	48.1	208.0	11,000 *	50.4	206.8	11,700 *	52.1	202.2	12,200 *	190
195	46.7	203.2	10,300 *	48.9	202.0	10,900 *	50.7	197.3	11,400 *	195
200	45.2	198.2	9,500 *	47.4	197.0	10,200 *	49.1	192.1	10,600 *	200
205	43.7	192.9	8,900 *	45.9	191.7	9,400 *	47.5	186.7	9,900 *	205
210	42.1	187.4	8,200 *	44.3	186.1	8,800 *	45.9	180.9	9,200 *	210
215	40.5	181.4	7,600 *	42.7	180.2	8,100 *	44.2	174.8	8,500 *	215
220	38.8	175.2	7,000 *	41.0	173.9	7,500 *	42.5	168.3	7,800 *	220
225	37.0	168.5	6,500 *	39.2	167.2	6,900 *				225
230	35.2	161.4	5,900 *	37.4	160.1	6,300 *				230
235	33.3	153.7	5,400 *	35.5	152.4	5,800 *				235
240	31.3	145.5	4,900 *	33.4	144.1	5,300 *				240
245	29.1	136.5	4,400 *	31.2	135.1	4,800 *				245
250	26.8	126.7	4,000 *							250

14000 S-2

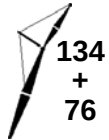
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	77.7	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	30,100	70.2	267.0	27,800 *	72.2	263.3	23,100 *	115
120	66.8	266.1	27,900	69.1	264.9	27,600 *	71.1	261.1	22,600 *	120
125	65.7	263.8	26,000	68.0	262.6	27,400 *	70.0	258.8	22,100 *	125
130	64.6	261.4	24,200	66.8	260.1	25,500	68.8	256.3	21,600 *	130
135	63.4	258.8	22,600	65.7	257.6	23,800	67.7	253.7	21,100 *	135
140	62.3	256.1	21,000	64.5	254.9	22,200	66.5	251.0	20,700 *	140
145	61.1	253.3	19,600	63.4	252.1	20,700	65.3	248.2	20,300 *	145
150	60.0	250.4	18,300	62.2	249.2	19,400	64.1	245.2	19,900 *	150
155	58.8	247.3	17,100	61.0	246.1	18,100	62.9	242.1	19,000	155
160	57.6	244.1	15,900	59.8	242.9	16,900	61.7	238.8	17,700	160
165	56.3	240.7	14,900	58.6	239.5	15,800	60.4	235.3	16,600	165
170	55.1	237.2	13,900	57.3	236.0	14,800	59.1	231.7	15,500	170
175	53.8	233.5	12,900	56.0	232.3	13,800	57.9	228.0	14,500	175
180	52.6	229.6	12,000	54.8	228.4	12,800	56.5	224.0	13,500	180
185	51.3	225.5	11,200	53.4	224.3	12,000	55.2	219.9	12,600	185
190	49.9	221.3	10,400	52.1	220.0	11,100	53.8	215.5	11,700	190
195	48.6	216.8	9,700	50.7	215.6	10,400	52.4	210.9	10,900	195
200	47.2	212.1	8,900	49.3	210.9	9,600	51.0	206.1	10,100	200
205	45.8	207.2	8,300	47.9	206.0	8,900	49.5	201.1	9,400	205
210	44.3	202.0	7,600	46.5	200.8	8,200	48.0	195.8	8,700	210
215	42.8	196.6	7,000	44.9	195.3	7,600	46.5	190.2	8,000	215
220	41.3	190.8	6,400	43.4	189.5	7,000	44.9	184.2	7,300	220
225	39.7	184.7	5,900	41.8	183.5	6,400	43.2	177.9	6,700	225
230	38.0	178.3	5,300	40.1	177.0	5,800				230
235	36.3	171.4	4,800	38.4	170.1	5,300				235
240	34.5	164.1	4,300	36.6	162.8	4,700				240
245				34.7	154.9	4,200				245

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



232.9 ft

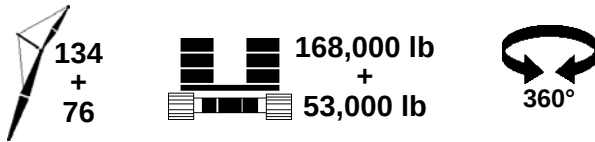


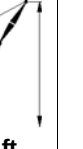
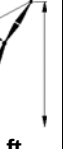
60.0 ft

	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	30,100 *	70.9	277.7	27,700 *	72.9	274.0	23,400 *	115
120	67.6	276.9	28,000 *	69.8	275.6	27,500 *	71.8	271.8	22,900 *	120
125	66.6	274.6	26,100 *	68.8	273.4	27,300 *	70.7	269.6	22,400 *	125
130	65.5	272.3	24,300 *	67.7	271.1	25,600 *	69.6	267.3	21,900 *	130
135	64.4	269.9	22,600 *	66.6	268.6	23,900 *	68.5	264.8	21,500 *	135
140	63.3	267.3	21,100 *	65.5	266.1	22,300 *	67.4	262.2	21,000 *	140
145	62.2	264.6	19,700 *	64.4	263.4	20,800 *	66.3	259.5	20,600 *	145
150	61.1	261.8	18,400 *	63.2	260.6	19,500 *	65.1	256.6	20,200 *	150
155	59.9	258.9	17,200 *	62.1	257.6	18,200 *	63.9	253.6	19,100 *	155
160	58.8	255.8	16,000 *	60.9	254.6	17,000 *	62.8	250.5	17,800 *	160
165	57.6	252.6	14,900 *	59.8	251.4	15,900 *	61.6	247.2	16,700 *	165
170	56.4	249.2	13,900 *	58.6	248.0	14,800 *	60.4	243.8	15,600 *	170
175	55.3	245.7	13,000 *	57.4	244.5	13,900 *	59.2	240.2	14,600 *	175
180	54.0	242.0	12,100 *	56.2	240.8	12,900 *	57.9	236.5	13,600 *	180
185	52.8	238.2	11,300 *	54.9	237.0	12,000 *	56.6	232.6	12,700 *	185
190	51.5	234.2	10,500 *	53.7	232.9	11,200 *	55.4	228.5	11,800 *	190
195	50.3	229.9	9,700 *	52.4	228.7	10,400 *	54.0	224.2	11,000 *	195
200	49.0	225.5	9,000 *	51.1	224.3	9,700 *	52.7	219.7	10,200 *	200
205	47.6	220.9	8,300 *	49.7	219.7	9,000 *	51.3	214.9	9,500 *	205
210	46.3	216.1	7,700 *	48.4	214.9	8,300 *	49.9	210.0	8,800 *	210
215	44.9	211.0	7,100 *	47.0	209.8	7,700 *	48.5	204.8	8,100 *	215
220	43.5	205.7	6,500 *	45.5	204.4	7,000 *	47.0	199.3	7,500 *	220
225	42.0	200.1	5,900 *	44.0	198.8	6,500 *	45.5	193.5	6,800 *	225
230	40.5	194.2	5,400 *	42.5	192.9	5,900 *	43.9	187.4	6,200 *	230
235	38.9	187.9	4,900 *	40.9	186.6	5,400 *	42.3	181.0	5,700 *	235
240	37.3	181.3	4,400 *	39.3	180.0	4,800 *				240
245				37.6	173.0	4,300 *				245

14000 S-2

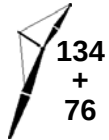
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	75.5	288.3	24,900 *	105
110	70.4	291.5	30,800 *	72.6	290.2	27,800 *	74.5	286.5	24,300 *	110
115	69.4	289.6	29,800 *	71.6	288.3	27,600 *	73.5	284.5	23,800 *	115
120	68.4	287.5	27,700 *	70.5	286.3	27,400 *	72.5	282.5	23,200 *	120
125	67.4	285.4	25,700 *	69.5	284.1	27,100 *	71.4	280.4	22,700 *	125
130	66.3	283.2	23,900 *	68.5	281.9	25,300 *	70.3	278.1	22,200 *	130
135	65.3	280.8	22,300 *	67.4	279.6	23,600 *	69.3	275.7	21,800 *	135
140	64.2	278.4	20,700 *	66.4	277.1	22,000 *	68.2	273.2	21,300 *	140
145	63.2	275.8	19,300 *	65.3	274.5	20,500 *	67.1	270.6	20,900 *	145
150	62.1	273.1	18,000 *	64.2	271.9	19,100 *	66.0	267.9	20,100 *	150
155	61.0	270.3	16,800 *	63.1	269.0	17,900 *	64.9	265.0	18,800 *	155
160	59.9	267.4	15,600 *	62.0	266.1	16,700 *	63.8	262.1	17,500 *	160
165	58.8	264.3	14,600 *	60.9	263.0	15,600 *	62.7	258.9	16,400 *	165
170	57.7	261.1	13,600 *	59.8	259.8	14,500 *	61.5	255.7	15,300 *	170
175	56.5	257.7	12,600 *	58.6	256.5	13,500 *	60.3	252.3	14,300 *	175
180	55.4	254.2	11,700 *	57.5	253.0	12,600 *	59.2	248.7	13,300 *	180
185	54.2	250.6	10,900 *	56.3	249.3	11,700 *	58.0	245.0	12,400 *	185
190	53.0	246.8	10,100 *	55.1	245.5	10,900 *	56.7	241.1	11,500 *	190
195	51.8	242.8	9,400 *	53.9	241.5	10,100 *	55.5	237.1	10,700 *	195
200	50.6	238.6	8,600 *	52.6	237.4	9,400 *	54.2	232.8	9,900 *	200
205	49.3	234.3	8,000 *	51.4	233.0	8,600 *	53.0	228.4	9,200 *	205
210	48.1	229.7	7,300 *	50.1	228.5	8,000 *	51.6	223.7	8,500 *	210
215	46.8	225.0	6,700 *	48.8	223.7	7,300 *	50.3	218.9	7,800 *	215
220	45.4	220.0	6,100 *	47.4	218.7	6,700 *	48.9	213.8	7,200 *	220
225	44.0	214.8	5,600 *	46.1	213.5	6,100 *	47.5	208.4	6,500 *	225
230	42.6	209.3	5,000 *	44.6	208.0	5,600 *	46.1	202.8	5,900 *	230
235	41.2	203.6	4,500 *	43.2	202.3	5,000 *	44.6	196.8	5,400 *	235
240	39.7	197.5	4,000 *	41.7	196.2	4,500 *	43.0	190.6	4,800 *	240
245				40.1	189.7	4,000 *				245

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



252.6 ft

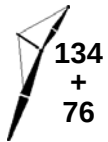


60.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	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	76.8	311.1	32,700 *	78.9	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	74.9	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 *	75.0	296.9	24,600 *	110
115	70.1	300.1	29,400 *	72.2	298.8	27,500 *	74.1	295.1	24,000 *	115
120	69.1	298.2	27,300 *	71.2	296.9	27,300 *	73.0	293.1	23,500 *	120
125	68.1	296.1	25,300 *	70.2	294.8	26,800 *	72.0	291.0	23,000 *	125
130	67.1	294.0	23,500 *	69.2	292.7	24,900 *	71.0	288.9	22,500 *	130
135	66.1	291.7	21,900 *	68.2	290.4	23,200 *	70.0	286.6	22,100 *	135
140	65.1	289.4	20,300 *	67.2	288.1	21,600 *	69.0	284.2	21,600 *	140
145	64.1	286.9	18,900 *	66.1	285.6	20,100 *	67.9	281.7	21,200 *	145
150	63.1	284.3	17,600 *	65.1	283.0	18,800 *	66.9	279.1	19,800 *	150
155	62.0	281.6	16,400 *	64.1	280.3	17,500 *	65.8	276.3	18,500 *	155
160	61.0	278.8	15,200 *	63.0	277.5	16,300 *	64.7	273.5	17,200 *	160
165	59.9	275.8	14,200 *	61.9	274.6	15,200 *	63.7	270.5	16,100 *	165
170	58.8	272.8	13,200 *	60.9	271.5	14,100 *	62.6	267.4	15,000 *	170
175	57.7	269.6	12,200 *	59.8	268.3	13,100 *	61.4	264.1	13,900 *	175
180	56.6	266.2	11,300 *	58.7	265.0	12,200 *	60.3	260.7	13,000 *	180
185	55.5	262.7	10,500 *	57.5	261.5	11,300 *	59.2	257.2	12,100 *	185
190	54.4	259.1	9,700 *	56.4	257.9	10,500 *	58.0	253.5	11,200 *	190
195	53.2	255.3	8,900 *	55.2	254.1	9,700 *	56.8	249.7	10,400 *	195
200	52.1	251.4	8,200 *	54.1	250.1	9,000 *	55.6	245.6	9,600 *	200
205	50.9	247.3	7,600 *	52.9	246.0	8,300 *	54.4	241.4	8,800 *	205
210	49.7	243.0	6,900 *	51.7	241.7	7,600 *	53.2	237.1	8,100 *	210
215	48.5	238.5	6,300 *	50.4	237.2	6,900 *	51.9	232.5	7,500 *	215
220	47.2	233.8	5,700 *	49.2	232.6	6,300 *	50.6	227.7	6,800 *	220
225	45.9	228.9	5,200 *	47.9	227.7	5,700 *	49.3	222.7	6,200 *	225
230	44.6	223.8	4,600 *	46.5	222.5	5,200 *	48.0	217.4	5,600 *	230
235	43.3	218.5	4,100 *	45.2	217.2	4,600 *	46.6	211.9	5,000 *	235
240				43.8	211.5	4,100 *	45.2	206.2	4,500 *	240
245							43.7	200.1	4,000 *	245

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



105.0 ft

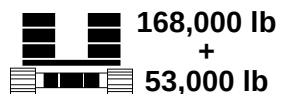
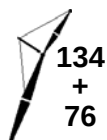


70.0 ft

	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	79.9	179.4	30,400 *							40
45	78.2	178.3	29,800 *							45
50	76.5	177.0	29,300 *	80.6	175.8	27,400 *				50
55	74.8	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 *	71.8	167.0	24,500 *	75.9	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 *	68.3	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	50.3	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	43.4	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 *	32.4	86.4	14,800 *				160
165	25.3	78.6	16,500 *							165
170	20.8	65.9	16,000 *							170

14000 S-2

ANSI B30.5



114.8 ft

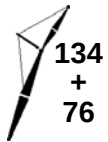


70.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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 *	62.0	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 *	47.9	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

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



124.7 ft

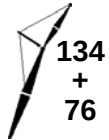


70.0 ft

	5°			15°			25°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
40	80.9	199.4	30,600 *							40
45	79.4	198.4	30,000 *							45
50	77.9	197.3	29,500 *							50
55	76.4	196.1	29,000 *	80.0	194.8	27,100 *				55
60	74.9	194.7	28,600 *	78.5	193.3	26,500 *				60
65	73.3	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 *	50.7	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 *	41.8	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	16,600	30.2	90.1	14,600 *				180
185	23.6	81.8	15,800							185
190	19.4	68.2	14,900							190

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



134.5 ft

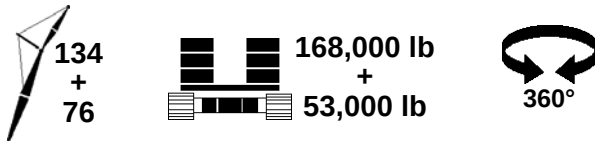


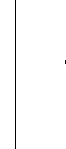
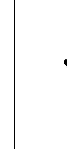
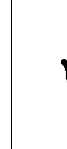
70.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	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 *	49.2	150.2	17,800 *	52.2	145.7	14,100 *	150
155	44.0	146.9	20,100 *	47.2	144.9	17,300 *	50.0	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	19,100 *	42.8	133.1	16,400 *	45.5	127.9	13,200 *	165
170	37.4	128.6	18,100	40.5	126.4	16,000 *	43.0	120.9	13,000 *	170
175	35.0	121.5	17,100	38.0	119.1	15,600 *				175
180	32.4	113.6	16,200	35.3	111.1	15,200 *				180
185	29.5	104.8	15,400	32.4	102.1	14,800 *				185
190	26.4	94.9	14,600	29.2	91.8	14,500 *				190
195	22.9	83.3	13,800							195

14000 S-2

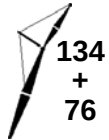
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	ft	lb	ft	lb	ft	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 *	71.0	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	61.8	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 *	56.9	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	19,600 *	47.9	154.0	17,500 *	50.6	149.2	13,800 *	160
165	42.9	150.5	18,600 *	45.9	148.5	17,000 *	48.5	143.5	13,600 *	165
170	40.8	144.7	17,600 *	43.8	142.6	16,600 *	46.4	137.4	13,300 *	170
175	38.7	138.4	16,600 *	41.6	136.2	16,200 *	44.1	130.8	13,100 *	175
180	36.4	131.6	15,700 *	39.3	129.3	15,800 *	41.7	123.5	12,900 *	180
185	34.0	124.2	14,900 *	36.9	121.7	15,300 *				185
190	31.5	116.0	14,100 *	34.3	113.4	14,500 *				190
195	28.7	107.0	13,300 *	31.4	104.1	13,700 *				195
200	25.7	96.7	12,600 *							200
205	22.2	84.8	11,900 *							205

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



154.2 ft

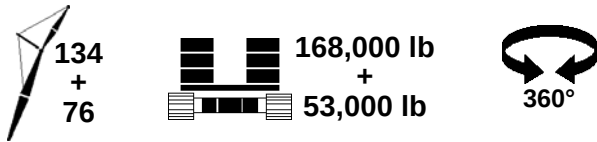


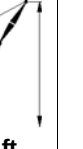
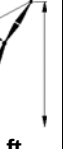
70.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
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 *	70
75	72.9	220.9	27,400 *	76.1	219.5	25,500 *	79.3	216.0	23,300 *	75
80	71.6	219.2	27,000 *	74.7	217.8	25,000 *	77.9	214.3	22,400 *	80
85	70.2	217.3	26,500 *	73.3	215.9	24,600 *	76.5	212.4	21,600 *	85
90	68.8	215.4	26,000 *	71.9	213.9	24,300 *	75.1	210.3	20,900 *	90
95	67.5	213.2	25,600 *	70.5	211.8	23,900 *	73.7	208.2	20,200 *	95
100	66.1	211.0	25,100 *	69.1	209.5	23,500 *	72.2	205.8	19,500 *	100
105	64.6	208.6	24,600 *	67.7	207.0	23,200 *	70.8	203.4	18,900 *	105
110	63.2	206.0	24,200 *	66.2	204.4	22,800 *	69.3	200.7	18,300 *	110
115	61.7	203.2	23,800 *	64.8	201.7	22,500 *	67.8	197.9	17,800 *	115
120	60.3	200.3	23,400 *	63.3	198.8	22,200 *	66.3	194.9	17,300 *	120
125	58.8	197.3	23,000 *	61.8	195.7	21,900 *	64.7	191.7	16,800 *	125
130	57.2	194.0	22,600 *	60.2	192.4	21,500 *	63.2	188.4	16,400 *	130
135	55.7	190.5	22,200 *	58.7	188.9	21,100 *	61.5	184.8	15,900 *	135
140	54.1	186.9	21,900 *	57.1	185.2	20,400 *	59.9	181.0	15,600 *	140
145	52.5	183.0	21,500 *	55.4	181.2	19,800 *	58.2	177.0	15,200 *	145
150	50.8	178.9	21,200 *	53.8	177.1	19,200 *	56.5	172.7	14,800 *	150
155	49.1	174.5	20,400 *	52.0	172.7	18,600 *	54.8	168.2	14,500 *	155
160	47.4	169.8	19,200 *	50.3	168.0	18,100 *	52.9	163.3	14,200 *	160
165	45.6	164.9	18,200 *	48.5	162.9	17,600 *	51.1	158.2	13,900 *	165
170	43.7	159.6	17,200 *	46.6	157.6	17,200 *	49.1	152.7	13,600 *	170
175	41.8	154.0	16,200 *	44.6	151.9	16,700 *	47.1	146.8	13,400 *	175
180	39.8	148.0	15,300 *	42.6	145.8	15,800 *	45.0	140.4	13,200 *	180
185	37.7	141.5	14,500 *	40.5	139.2	15,000 *	42.8	133.5	12,900 *	185
190	35.5	134.4	13,700 *	38.2	132.0	14,100 *				190
195	33.2	126.8	13,000 *	35.8	124.2	13,300 *				195
200	30.7	118.4	12,200 *	33.3	115.6	12,600 *				200
205	28.0	109.0	11,500 *	30.5	106.0	11,800 *				205
210	25.0	98.5	10,900 *							210
215	21.6	86.2	10,300 *							215

14000 S-2

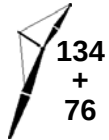
ANSI B30.5



	5°			15°			25°			
										
	ft	°	ft	lb	°	ft	lb	°	ft	lb
50	80.0	237.6	29,300 *						50	
55	78.7	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 *	72.7	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 *	67.3	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	61.6	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	55.8	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	21,200	55.6	189.8	19,900 *	58.3	185.5	15,200 *	150
155	51.2	187.5	20,000	54.0	185.7	19,300 *	56.7	181.3	14,900 *	155
160	49.6	183.2	18,900	52.4	181.4	18,800 *	55.0	176.8	14,600 *	160
165	47.9	178.7	17,800	50.7	176.8	18,300 *	53.3	172.1	14,300 *	165
170	46.2	173.8	16,800	49.0	171.9	17,500	51.5	167.1	14,000 *	170
175	44.5	168.7	15,900	47.2	166.7	16,500	49.7	161.7	13,700 *	175
180	42.7	163.2	15,000	45.4	161.1	15,600	47.8	156.0	13,500 *	180
185	40.8	157.4	14,200	43.5	155.2	14,700	45.8	149.9	13,200 *	185
190	38.8	151.2	13,400	41.5	148.9	13,800	43.7	143.3	13,000 *	190
195	36.8	144.4	12,600	39.4	142.1	13,100	41.5	136.2	12,800 *	195
200	34.6	137.2	11,900	37.2	134.7	12,300				200
205	32.3	129.3	11,200	34.9	126.6	11,600				205
210	29.9	120.7	10,600	32.4	117.8	10,900				210
215	27.2	111.0	9,900	29.6	107.9	10,200				215
220	24.3	100.1	9,300							220
225	21.0	87.5	8,800							225

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

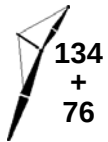


70.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	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 *	68.3	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	54.5	204.0	20,800 *	57.3	202.2	20,500 *	59.9	197.9	15,500 *	150
155	53.1	200.2	19,600 *	55.8	198.4	19,900 *	58.3	194.0	15,200 *	155
160	51.6	196.1	18,500 *	54.3	194.3	19,300 *	56.8	189.9	14,900 *	160
165	50.0	191.9	17,400 *	52.7	190.0	18,100 *	55.2	185.5	14,600 *	165
170	48.4	187.4	16,400 *	51.1	185.5	17,100 *	53.6	180.8	14,300 *	170
175	46.8	182.7	15,500 *	49.5	180.7	16,100 *	51.9	175.9	14,000 *	175
180	45.2	177.7	14,600 *	47.8	175.7	15,200 *	50.1	170.7	13,800 *	180
185	43.5	172.4	13,800 *	46.1	170.3	14,300 *	48.4	165.2	13,500 *	185
190	41.7	166.7	13,000 *	44.3	164.6	13,500 *	46.5	159.2	13,300 *	190
195	39.8	160.7	12,200 *	42.4	158.5	12,700 *	44.6	152.9	13,100 *	195
200	37.9	154.3	11,500 *	40.5	151.9	12,000 *	42.5	146.1	12,300 *	200
205	35.9	147.3	10,800 *	38.4	144.9	11,200 *				205
210	33.8	139.9	10,200 *	36.3	137.3	10,600 *				210
215	31.6	131.8	9,600 *	34.0	129.0	9,900 *				215
220	29.2	122.9	9,000 *	31.5	119.8	9,300 *				220
225	26.6	113.0	8,400 *							225
230	23.7	101.8	7,800 *							230
235	20.4	88.7	7,300 *							235

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



183.7 ft

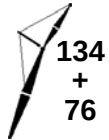


70.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
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 *	77.7	250.3	25,700 *	80.6	246.7	23,500 *	75
80	73.8	250.3	26,900 *	76.6	248.8	25,300 *	79.4	245.2	23,300 *	80
85	72.6	248.7	26,500 *	75.4	247.2	25,000 *	78.2	243.5	22,600 *	85
90	71.4	247.0	26,100 *	74.2	245.5	24,600 *	77.0	241.8	21,900 *	90
95	70.2	245.1	25,800 *	73.0	243.6	24,300 *	75.7	239.9	21,200 *	95
100	69.0	243.2	25,400 *	71.7	241.6	24,000 *	74.5	237.9	20,600 *	100
105	67.8	241.1	25,100 *	70.5	239.5	23,600 *	73.2	235.8	20,000 *	105
110	66.5	238.9	24,700 *	69.3	237.3	23,300 *	72.0	233.5	19,400 *	110
115	65.3	236.5	24,400 *	68.0	234.9	23,000 *	70.7	231.1	18,900 *	115
120	64.0	234.1	24,100 *	66.7	232.5	22,700 *	69.4	228.6	18,400 *	120
125	62.8	231.4	23,800 *	65.4	229.8	22,500 *	68.1	225.9	17,900 *	125
130	61.5	228.7	23,400 *	64.1	227.0	22,200 *	66.8	223.1	17,400 *	130
135	60.2	225.8	23,100 *	62.8	224.1	21,900 *	65.4	220.1	17,000 *	135
140	58.8	222.7	22,700 *	61.5	221.0	21,600 *	64.1	216.9	16,600 *	140
145	57.5	219.5	21,700	60.1	217.8	21,400 *	62.7	213.6	16,200 *	145
150	56.1	216.1	20,300	58.8	214.3	21,100 *	61.3	210.1	15,900 *	150
155	54.7	212.5	19,100	57.4	210.7	20,000	59.9	206.4	15,500 *	155
160	53.3	208.7	18,000	55.9	206.9	18,800	58.4	202.5	15,200 *	160
165	51.9	204.8	16,900	54.5	202.9	17,700	56.9	198.4	14,900 *	165
170	50.4	200.6	15,900	53.0	198.7	16,700	55.4	194.1	14,600 *	170
175	48.9	196.2	15,000	51.5	194.3	15,700	53.8	189.6	14,400 *	175
180	47.4	191.6	14,100	49.9	189.6	14,800	52.2	184.7	14,100 *	180
185	45.8	186.7	13,300	48.3	184.6	13,900	50.6	179.7	13,800 *	185
190	44.2	181.5	12,500	46.7	179.4	13,100	48.9	174.2	13,600	190
195	42.5	176.0	11,700	45.0	173.8	12,300	47.1	168.5	12,800	195
200	40.8	170.1	11,000	43.2	167.9	11,500	45.3	162.4	12,000	200
205	39.0	163.9	10,300	41.4	161.6	10,800	43.4	155.9	11,200	205
210	37.1	157.3	9,700	39.5	154.9	10,100	41.4	148.8	10,500	210
215	35.1	150.2	9,100	37.5	147.6	9,500				215
220	33.0	142.5	8,500	35.4	139.8	8,800				220
225	30.8	134.1	7,900	33.1	131.2	8,200				225
230	28.5	125.0	7,400	30.7	121.9	7,700				230
235	25.9	114.8	6,800							235
240	23.1	103.3	6,300							240
245	19.9	89.9	5,900							245

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



193.6 ft

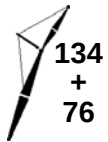


70.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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	72.1	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	22,600 *	62.7	232.6	21,800 *	65.2	228.5	16,900 *	140
145	58.9	231.2	21,200 *	61.4	229.5	21,600 *	63.9	225.3	16,600 *	145
150	57.6	228.0	19,900 *	60.1	226.2	20,900 *	62.6	222.0	16,200 *	150
155	56.3	224.6	18,700 *	58.8	222.8	19,600 *	61.2	218.5	15,900 *	155
160	54.9	221.0	17,600 *	57.4	219.2	18,400 *	59.8	214.9	15,500 *	160
165	53.6	217.3	16,500 *	56.1	215.5	17,300 *	58.4	211.0	15,200 *	165
170	52.2	213.4	15,500 *	54.7	211.5	16,300 *	57.0	207.0	14,900 *	170
175	50.8	209.3	14,600 *	53.3	207.4	15,300 *	55.6	202.7	14,700 *	175
180	49.3	204.9	13,700 *	51.8	203.0	14,400 *	54.1	198.3	14,400 *	180
185	47.9	200.4	12,800 *	50.3	198.4	13,500 *	52.5	193.5	14,100 *	185
190	46.4	195.6	12,000 *	48.8	193.5	12,700 *	51.0	188.5	13,300 *	190
195	44.8	190.5	11,300 *	47.2	188.4	11,900 *	49.4	183.3	12,400 *	195
200	43.2	185.1	10,600 *	45.6	183.0	11,100 *	47.7	177.7	11,600 *	200
205	41.6	179.5	9,900 *	44.0	177.2	10,400 *	46.0	171.8	10,900 *	205
210	39.9	173.5	9,300 *	42.2	171.1	9,800 *	44.2	165.5	10,200 *	210
215	38.1	167.1	8,600 *	40.4	164.7	9,100 *	42.4	158.7	9,500 *	215
220	36.3	160.2	8,100 *	38.6	157.7	8,500 *				220
225	34.3	152.9	7,500 *	36.6	150.3	7,900 *				225
230	32.3	145.0	7,000 *	34.5	142.2	7,300 *				230
235	30.2	136.4	6,400 *	32.3	133.5	6,800 *				235
240	27.8	127.1	5,900 *	30.0	123.8	6,200 *				240
245	25.3	116.6	5,500 *							245
250	22.5	104.8	5,000 *							250
255	19.4	91.0	4,600 *							255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



203.4 ft

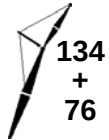


70.0 ft

	5°			15°			25°			
	ft	o	ft	lb	o	ft	lb	o	ft	lb
55	80.4	276.7	28,100 *							55
60	79.3	275.7	27,900 *							60
65	78.2	274.7	27,600 *	80.8	273.2	26,400 *				65
70	77.2	273.5	27,300 *	79.7	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 *	74.2	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 *	74.5	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	66.0	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	22,300	63.8	243.9	22,000 *	66.2	239.9	17,300 *	140
145	60.1	242.7	20,900	62.6	241.0	21,700 *	65.0	236.9	16,900 *	145
150	58.9	239.7	19,600	61.3	237.9	20,600	63.7	233.7	16,500 *	150
155	57.6	236.5	18,300	60.1	234.7	19,300	62.4	230.4	16,200 *	155
160	56.4	233.1	17,200	58.8	231.3	18,100	61.1	227.0	15,800 *	160
165	55.1	229.6	16,100	57.5	227.8	17,000	59.8	223.4	15,500 *	165
170	53.8	225.9	15,100	56.2	224.0	16,000	58.5	219.5	15,200 *	170
175	52.5	222.0	14,200	54.9	220.1	15,000	57.1	215.5	15,000 *	175
180	51.1	217.9	13,300	53.5	216.0	14,100	55.7	211.3	14,700 *	180
185	49.7	213.6	12,500	52.1	211.7	13,200	54.3	206.9	13,800	185
190	48.3	209.2	11,700	50.7	207.2	12,400	52.8	202.3	13,000	190
195	46.9	204.4	10,900	49.2	202.4	11,600	51.3	197.4	12,200	195
200	45.4	199.5	10,200	47.7	197.4	10,800	49.8	192.2	11,400	200
205	43.9	194.2	9,500	46.2	192.1	10,100	48.2	186.8	10,600	205
210	42.3	188.7	8,900	44.6	186.5	9,400	46.6	181.0	9,900	210
215	40.7	182.9	8,300	43.0	180.6	8,800	44.9	174.9	9,200	215
220	39.1	176.7	7,700	41.3	174.3	8,200	43.2	168.4	8,600	220
225	37.3	170.1	7,100	39.6	167.6	7,600	41.3	161.5	7,900	225
230	35.5	163.1	6,600	37.7	160.5	7,000				230
235	33.6	155.6	6,100	35.8	152.9	6,500				235
240	31.6	147.5	5,600	33.8	144.6	5,900				240
245	29.5	138.7	5,100	31.6	135.6	5,400				245
250	27.2	129.1	4,700	29.3	125.7	4,900				250
255	24.8	118.4	4,200							255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

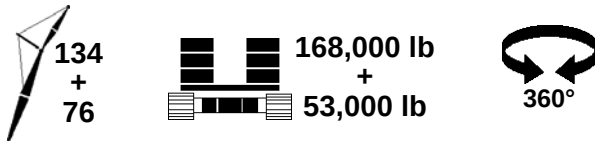


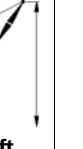
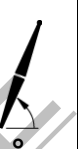
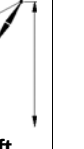
70.0 ft

	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 *	73.7	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	21,900	64.8	255.2	22,100 *	67.2	251.1	17,600 *	140
145	61.3	254.1	20,500	63.7	252.4	21,600	66.0	248.3	17,200 *	145
150	60.1	251.2	19,200	62.5	249.5	20,200	64.8	245.3	16,800 *	150
155	58.9	248.1	17,900	61.3	246.4	18,900	63.6	242.1	16,500 *	155
160	57.7	244.9	16,800	60.1	243.2	17,800	62.3	238.9	16,100 *	160
165	56.5	241.6	15,700	58.8	239.8	16,600	61.1	235.4	15,800 *	165
170	55.3	238.1	14,700	57.6	236.3	15,600	59.8	231.8	15,500 *	170
175	54.0	234.4	13,800	56.3	232.6	14,600	58.5	228.0	15,200 *	175
180	52.7	230.6	12,900	55.0	228.7	13,700	57.2	224.1	14,400	180
185	51.4	226.6	12,100	53.7	224.6	12,800	55.9	219.9	13,500	185
190	50.1	222.3	11,300	52.4	220.4	12,000	54.5	215.6	12,600	190
195	48.8	217.9	10,500	51.0	215.9	11,200	53.1	211.0	11,800	195
200	47.4	213.3	9,800	49.6	211.2	10,400	51.7	206.2	11,000	200
205	46.0	208.4	9,100	48.2	206.3	9,700	50.2	201.2	10,300	205
210	44.5	203.3	8,500	46.8	201.1	9,100	48.7	195.9	9,600	210
215	43.0	197.9	7,900	45.2	195.7	8,400	47.2	190.2	8,900	215
220	41.5	192.2	7,300	43.7	189.9	7,800	45.6	184.3	8,200	220
225	39.9	186.2	6,700	42.1	183.8	7,200	43.9	178.0	7,600	225
230	38.3	179.9	6,200	40.4	177.4	6,600	42.2	171.4	7,000	230
235	36.6	173.1	5,700	38.7	170.5	6,100				235
240	34.8	165.9	5,200	36.9	163.2	5,600				240
245	32.9	158.2	4,700	35.0	155.4	5,100				245
250	31.0	149.9	4,300	33.0	146.9	4,600				250
255				30.9	137.7	4,100				255

14000 S-2

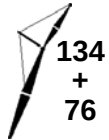
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	ft	lb	ft	lb	ft	ft
60	80.0	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	77.0	292.5	26,600 *	79.4	291.0	25,600 *				75
80	76.0	291.2	26,700 *	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	71.9	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 *	72.4	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 *	67.9	271.3	22,600 *	70.3	267.3	18,700 *	130
135	64.5	270.6	22,800	66.9	268.9	22,300 *	69.1	264.8	18,300 *	135
140	63.4	268.0	21,300	65.8	266.3	22,100 *	68.0	262.2	17,900 *	140
145	62.3	265.4	19,900	64.6	263.7	21,100	66.9	259.5	17,500 *	145
150	61.2	262.6	18,600	63.5	260.9	19,700	65.7	256.7	17,100 *	150
155	60.1	259.7	17,400	62.4	257.9	18,400	64.6	253.7	16,800 *	155
160	58.9	256.6	16,200	61.2	254.9	17,200	63.4	250.6	16,400 *	160
165	57.8	253.4	15,100	60.0	251.6	16,100	62.2	247.3	16,100 *	165
170	56.6	250.1	14,100	58.9	248.3	15,100	61.0	243.9	15,800 *	170
175	55.4	246.6	13,200	57.7	244.8	14,100	59.8	240.3	14,900	175
180	54.2	243.0	12,300	56.4	241.1	13,100	58.6	236.5	14,000	180
185	53.0	239.2	11,500	55.2	237.3	12,300	57.3	232.6	13,000	185
190	51.7	235.2	10,700	53.9	233.2	11,400	56.0	228.5	12,200	190
195	50.4	231.0	9,900	52.7	229.0	10,700	54.7	224.2	11,300	195
200	49.1	226.7	9,200	51.4	224.6	9,900	53.4	219.7	10,500	200
205	47.8	222.1	8,500	50.0	220.0	9,200	52.0	215.0	9,800	205
210	46.5	217.3	7,900	48.6	215.2	8,500	50.6	210.1	9,100	210
215	45.1	212.3	7,300	47.2	210.1	7,900	49.1	204.9	8,400	215
220	43.7	207.0	6,700	45.8	204.8	7,300	47.7	199.4	7,800	220
225	42.2	201.5	6,100	44.3	199.2	6,700	46.2	193.6	7,100	225
230	40.7	195.6	5,600	42.8	193.3	6,100	44.6	187.5	6,500	230
235	39.1	189.5	5,100	41.2	187.0	5,600	43.0	181.1	6,000	235
240	37.5	182.9	4,600	39.6	180.4	5,000	41.3	174.2	5,400	240
245	35.9	176.0	4,100	37.9	173.4	4,500				245
250				36.1	165.9	4,100				250

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



232.9 ft

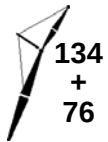


70.0 ft

	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	78.4	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 *	76.8	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 *	73.8	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	21,300 *	66.6	277.4	22,200 *	68.8	273.3	18,100 *	140
145	63.3	276.5	19,900 *	65.5	274.8	21,100 *	67.7	270.7	17,800 *	145
150	62.2	273.9	18,600 *	64.5	272.1	19,800 *	66.6	267.9	17,400 *	150
155	61.2	271.1	17,400 *	63.4	269.3	18,500 *	65.5	265.1	17,000 *	155
160	60.1	268.2	16,300 *	62.3	266.4	17,300 *	64.4	262.1	16,700 *	160
165	58.9	265.1	15,200 *	61.2	263.3	16,200 *	63.3	259.0	16,400 *	165
170	57.8	261.9	14,200 *	60.0	260.1	15,100 *	62.1	255.7	16,000 *	170
175	56.7	258.6	13,200 *	58.9	256.8	14,100 *	61.0	252.3	15,000 *	175
180	55.5	255.1	12,300 *	57.7	253.3	13,200 *	59.8	248.8	14,000 *	180
185	54.4	251.5	11,500 *	56.5	249.6	12,300 *	58.6	245.0	13,100 *	185
190	53.2	247.7	10,700 *	55.4	245.8	11,500 *	57.4	241.2	12,200 *	190
195	52.0	243.8	10,000 *	54.1	241.8	10,700 *	56.1	237.1	11,400 *	195
200	50.8	239.7	9,300 *	52.9	237.7	10,000 *	54.9	232.9	10,600 *	200
205	49.5	235.4	8,600 *	51.6	233.4	9,300 *	53.6	228.4	9,900 *	205
210	48.2	230.9	7,900 *	50.4	228.8	8,600 *	52.3	223.8	9,200 *	210
215	46.9	226.2	7,300 *	49.0	224.1	7,900 *	50.9	218.9	8,500 *	215
220	45.6	221.2	6,700 *	47.7	219.1	7,300 *	49.6	213.8	7,800 *	220
225	44.2	216.1	6,200 *	46.3	213.9	6,700 *	48.1	208.5	7,200 *	225
230	42.9	210.7	5,600 *	44.9	208.4	6,200 *	46.7	202.8	6,600 *	230
235	41.4	205.0	5,100 *	43.5	202.6	5,600 *	45.2	196.9	6,100 *	235
240	39.9	199.0	4,600 *	42.0	196.6	5,100 *	43.7	190.6	5,500 *	240
245	38.4	192.6	4,200 *	40.4	190.1	4,600 *	42.1	184.0	5,000 *	245
250				38.8	183.4	4,100 *				250

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



242.8 ft

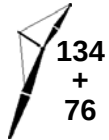


70.0 ft

	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 *	74.6	295.1	20,600 *	115
120	69.2	298.8	23,600 *	71.4	297.1	23,100 *	73.6	293.1	20,100 *	120
125	68.2	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	66.2	292.4	22,500	68.4	290.7	22,400 *	70.6	286.6	18,800 *	135
140	65.2	290.0	21,000	67.4	288.3	22,200 *	69.6	284.2	18,400 *	140
145	64.2	287.6	19,600	66.4	285.9	20,800	68.5	281.7	18,000 *	145
150	63.2	285.0	18,200	65.4	283.3	19,400	67.5	279.1	17,700 *	150
155	62.1	282.3	17,000	64.3	280.6	18,200	66.4	276.4	17,300 *	155
160	61.1	279.5	15,900	63.3	277.8	17,000	65.3	273.5	17,000 *	160
165	60.0	276.6	14,800	62.2	274.8	15,800	64.3	270.5	16,700 *	165
170	59.0	273.6	13,800	61.1	271.8	14,800	63.2	267.4	15,700	170
175	57.9	270.4	12,900	60.0	268.6	13,800	62.0	264.2	14,700	175
180	56.8	267.1	12,000	58.9	265.3	12,900	60.9	260.8	13,700	180
185	55.7	263.7	11,100	57.8	261.8	12,000	59.8	257.2	12,800	185
190	54.5	260.1	10,300	56.6	258.2	11,200	58.6	253.5	11,900	190
195	53.4	256.3	9,600	55.5	254.4	10,400	57.4	249.7	11,100	195
200	52.2	252.4	8,900	54.3	250.4	9,600	56.2	245.7	10,300	200
205	51.0	248.3	8,200	53.1	246.3	8,900	55.0	241.5	9,600	205
210	49.8	244.1	7,600	51.9	242.0	8,200	53.8	237.1	8,900	210
215	48.6	239.6	6,900	50.7	237.6	7,600	52.5	232.5	8,200	215
220	47.4	235.0	6,400	49.4	232.9	7,000	51.2	227.7	7,500	220
225	46.1	230.2	5,800	48.1	228.0	6,400	49.9	222.7	6,900	225
230	44.8	225.1	5,300	46.8	222.9	5,800	48.6	217.5	6,300	230
235	43.5	219.8	4,800	45.5	217.5	5,300	47.2	212.0	5,800	235
240	42.1	214.2	4,300	44.1	211.9	4,800	45.8	206.2	5,200	240
245				42.7	206.0	4,300	44.3	200.1	4,700	245
250							42.8	193.7	4,200	250

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



252.6 ft

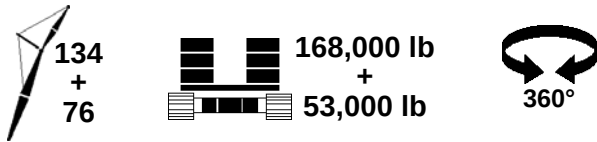


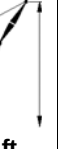
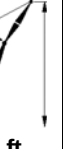
70.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
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 *	76.7	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	70.8	311.2	23,600 *	73.0	309.5	23,300 *	75.1	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	68.9	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	22,100 *	69.1	301.5	22,400 *	71.2	297.4	19,100 *	135
140	66.0	300.9	20,600 *	68.2	299.2	21,900 *	70.3	295.1	18,700 *	140
145	65.1	298.5	19,200 *	67.2	296.8	20,400 *	69.3	292.7	18,300 *	145
150	64.1	296.1	17,800 *	66.2	294.4	19,100 *	68.2	290.2	17,900 *	150
155	63.1	293.5	16,600 *	65.2	291.8	17,800 *	67.2	287.5	17,600 *	155
160	62.1	290.8	15,500 *	64.2	289.1	16,600 *	66.2	284.8	17,200 *	160
165	61.0	288.0	14,400 *	63.1	286.2	15,500 *	65.2	281.9	16,500 *	165
170	60.0	285.1	13,400 *	62.1	283.3	14,400 *	64.1	279.0	15,400 *	170
175	59.0	282.1	12,400 *	61.1	280.3	13,400 *	63.0	275.8	14,400 *	175
180	57.9	278.9	11,600 *	60.0	277.1	12,500 *	62.0	272.6	13,400 *	180
185	56.9	275.6	10,700 *	58.9	273.7	11,600 *	60.9	269.2	12,500 *	185
190	55.8	272.2	9,900 *	57.8	270.3	10,800 *	59.8	265.7	11,600 *	190
195	54.7	268.6	9,200 *	56.7	266.7	10,000 *	58.6	262.0	10,800 *	195
200	53.6	264.9	8,500 *	55.6	262.9	9,200 *	57.5	258.2	10,000 *	200
205	52.5	261.0	7,800 *	54.5	259.0	8,500 *	56.4	254.2	9,200 *	205
210	51.3	257.0	7,100 *	53.3	255.0	7,900 *	55.2	250.1	8,500 *	210
215	50.2	252.8	6,500 *	52.2	250.7	7,200 *	54.0	245.8	7,900 *	215
220	49.0	248.4	5,900 *	51.0	246.3	6,600 *	52.8	241.3	7,200 *	220
225	47.8	243.8	5,400 *	49.8	241.7	6,000 *	51.5	236.5	6,600 *	225
230	46.6	239.0	4,800 *	48.5	236.9	5,400 *	50.3	231.6	6,000 *	230
235	45.3	234.1	4,300 *	47.3	231.9	4,900 *	49.0	226.5	5,400 *	235
240				46.0	226.6	4,400 *	47.6	221.1	4,900 *	240
245							46.3	215.4	4,300 *	245

14000 S-2

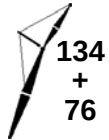
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	o	ft	lb	o	ft	lb
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 *	62.9	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	39.3	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 *	31.6	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

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



114.8 ft

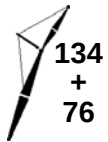


80.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	ft	lb	ft
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	76.0	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 *	70
75	69.9	189.8	20,700 *	74.0	188.6	20,500 *	78.3	185.4	19,500 *	75
80	68.3	187.8	20,400 *	72.4	186.6	20,200 *	76.7	183.3	18,900 *	80
85	66.7	185.6	20,000 *	70.8	184.4	19,900 *	75.0	181.1	18,100 *	85
90	65.1	183.3	19,700 *	69.2	182.0	19,600 *	73.4	178.7	17,400 *	90
95	63.4	180.8	19,300 *	67.5	179.5	19,300 *	71.7	176.1	16,700 *	95
100	61.7	178.1	19,000 *	65.8	176.8	19,000 *	70.0	173.3	16,000 *	100
105	60.0	175.2	18,700 *	64.1	173.9	18,500 *	68.2	170.3	15,400 *	105
110	58.3	172.1	18,400 *	62.4	170.7	18,200 *	66.4	167.2	14,900 *	110
115	56.5	168.8	18,100 *	60.6	167.4	17,800 *	64.6	163.7	14,400 *	115
120	54.7	165.2	17,900 *	58.8	163.8	17,400 *	62.7	160.1	13,900 *	120
125	52.9	161.4	17,600 *	56.9	160.0	17,000 *	60.8	156.2	13,400 *	125
130	51.0	157.4	17,400 *	55.0	155.9	16,700 *	58.9	152.0	13,000 *	130
135	49.1	153.0	17,100 *	53.0	151.5	16,300 *	56.9	147.5	12,600 *	135
140	47.1	148.4	16,700 *	51.0	146.8	15,700 *	54.8	142.6	12,300 *	140
145	45.0	143.4	16,300 *	48.9	141.8	15,200 *	52.6	137.4	11,900 *	145
150	42.8	138.0	16,000 *	46.7	136.4	14,700 *	50.3	131.8	11,600 *	150
155	40.6	132.2	15,600 *	44.4	130.5	14,200 *	48.0	125.7	11,300 *	155
160	38.2	125.9	15,300 *	42.0	124.1	13,800 *	45.5	119.0	11,100 *	160
165	35.7	119.1	15,000 *	39.5	117.1	13,400 *	42.8	111.7	10,800 *	165
170	33.0	111.5	14,700 *	36.8	109.4	13,000 *	39.9	103.5	10,600 *	170
175	30.1	103.0	14,400 *	33.8	100.7	12,600 *				175
180	27.0	93.5	14,200 *	30.6	90.9	12,300 *				180
185	23.4	82.4	13,700 *							185
190	19.2	68.9	13,300 *							190

14000 S-2

ANSI B30.5



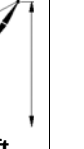
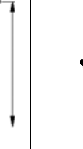
168,000 lb
+
53,000 lb



124.7 ft

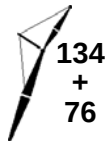


80.0 ft

	5°			15°			25°			
										
	ft	°	ft	lb	ft	lb	ft	lb	ft	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				55
60	75.3		205.1	22,000 *	79.3	203.9				60
65	73.8		203.7	21,600 *	77.8	202.4				65
70	72.4		202.1	21,200 *	76.3	200.8				70
75	70.9		200.3	20,800 *	74.8	199.1	80.4	197.6	20,000 *	75
80	69.4		198.4	20,500 *	73.3	197.2	78.9	195.8	19,600 *	80
85	67.9		196.4	20,100 *	71.8	195.1	77.4	193.8	19,300 *	85
90	66.3		194.2	19,800 *	70.2	192.9	75.8	191.7	18,500 *	90
95	64.8		191.8	19,400 *	68.7	190.5	74.3	189.5	17,800 *	95
100	63.2		189.2	19,100 *	67.1	187.9	72.7	187.0	17,100 *	100
105	61.6		186.5	18,800 *	65.5	185.2	71.1	184.4	16,400 *	105
110	60.0		183.6	18,500 *	63.9	182.3	69.4	181.6	15,800 *	110
115	58.4		180.6	18,200 *	62.2	179.2	67.8	178.7	15,300 *	115
120	56.7		177.3	18,000 *	60.5	175.9	66.1	175.5	14,800 *	120
125	55.0		173.7	17,700 *	58.8	172.3	64.3	172.1	14,300 *	125
130	53.2		170.0	17,500 *	57.0	168.5	62.6	168.5	13,800 *	130
135	51.4		166.0	17,300 *	55.2	164.5	60.8	164.6	13,400 *	135
140	49.6		161.8	17,100 *	53.4	160.2	58.9	160.5	13,000 *	140
145	47.7		157.2	16,800 *	51.5	155.6	57.0	156.1	12,700 *	145
150	45.8		152.4	16,400 *	49.5	150.7	55.0	151.3	12,300 *	150
155	43.7		147.2	16,100 *	47.4	145.5	53.0	146.3	12,000 *	155
160	41.6		141.6	15,800 *	45.3	139.8	50.9	140.8	11,700 *	160
165	39.4		135.5	15,400 *	43.1	133.7	48.7	135.0	11,400 *	165
170	37.1		129.0	15,100 *	40.8	127.0	46.4	128.6	11,200 *	170
175	34.7		121.9	14,900 *	38.3	119.8	43.9	121.7	10,900 *	175
180	32.1		114.0	14,600 *	35.6	111.8	41.3	114.0	10,700 *	180
185	29.3		105.3	14,300 *	32.7	102.8				185
190	26.2		95.4	14,100 *	29.5	92.7				190
195	22.7		83.9	13,600 *						195
200	18.5		69.9	13,200 *						200

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



134.5 ft

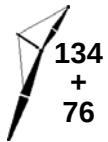


80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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	64.5	200.3	19,200 *	68.3	199.0	19,200 *	72.0	195.4	16,800 *	100
105	63.0	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	40.5	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	14,000	31.7	104.8	12,400 *				195
200	25.4	97.2	13,300	28.6	94.3	12,100 *				200
205	22.0	85.4	12,600							205
210	17.9	70.9	12,000							210

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



144.4 ft

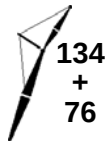


80.0 ft

	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	67.1	213.5	19,600 *	70.7	212.1	19,500 *	74.4	208.6	17,800 *	95
100	65.7	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	43.4	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	14,300	38.5	132.6	13,200 *	41.2	126.7	10,700 *	190
195	32.9	127.2	13,500	36.1	124.9	12,900 *				195
200	30.4	118.8	12,800	33.6	116.3	12,600 *				200
205	27.7	109.5	12,200	30.8	106.8	12,300 *				205
210	24.7	99.0	11,500							210
215	21.4	86.8	10,900							215
220	17.4	71.9	10,300							220

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



154.2 ft

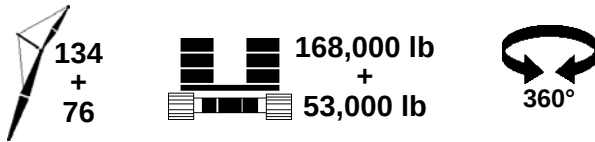


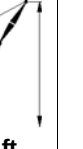
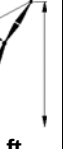
80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	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 *	66.6	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	57.0	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	15,500	45.6	161.7	14,400 *	48.5	156.5	11,400 *	180
185	40.5	157.7	14,700	43.7	155.8	14,100 *	46.5	150.4	11,200 *	185
190	38.6	151.5	13,900	41.7	149.5	13,700 *	44.5	143.9	11,000 *	190
195	36.5	144.8	13,100	39.6	142.7	13,400 *	42.3	136.8	10,800 *	195
200	34.4	137.6	12,400	37.5	135.3	12,900	40.0	129.1	10,600 *	200
205	32.1	129.7	11,700	35.1	127.3	12,200				205
210	29.7	121.1	11,100	32.6	118.5	11,500				210
215	27.0	111.5	10,500	29.9	108.7	10,800				215
220	24.1	100.7	9,900							220
225	20.8	88.1	9,300							225

14000 S-2

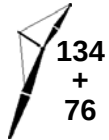
ANSI B30.5



	5°			15°			25°			
										
	ft	o	ft	lb	ft	lb	ft	lb	ft	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	65.2	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	57.1	211.2	17,300 *	60.3	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	15,100	48.0	176.2	15,000 *	50.8	171.2	11,700 *	180
185	43.2	172.7	14,300	46.3	170.8	14,600 *	49.0	165.7	11,500 *	185
190	41.4	167.1	13,500	44.5	165.1	14,100	47.2	159.8	11,200 *	190
195	39.6	161.1	12,800	42.6	159.0	13,300	45.3	153.5	11,000 *	195
200	37.7	154.6	12,100	40.7	152.5	12,600	43.3	146.7	10,900 *	200
205	35.7	147.7	11,400	38.7	145.5	11,900	41.1	139.4	10,700 *	205
210	33.6	140.3	10,700	36.5	137.9	11,200				210
215	31.3	132.2	10,100	34.2	129.7	10,500				215
220	29.0	123.3	9,500	31.8	120.6	9,900				220
225	26.4	113.5	9,000	29.1	110.5	9,300				225
230	23.5	102.3	8,400							230
235	20.2	89.4	7,900							235

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



173.9 ft

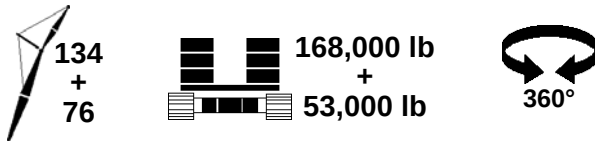


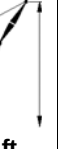
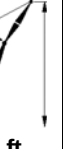
80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	80.5	257.8	22,200 *							50
55	79.3	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	71.1	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 *	73.8	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 *	57.5	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	15,600	51.7	194.7	15,900 *	54.5	190.0	12,200 *	175
180	47.1	191.9	14,700	50.1	190.1	15,400	52.9	185.2	12,000 *	180
185	45.5	187.0	13,900	48.5	185.1	14,600	51.2	180.1	11,700 *	185
190	43.9	181.8	13,100	46.9	179.9	13,700	49.6	174.7	11,500 *	190
195	42.2	176.3	12,400	45.2	174.3	13,000	47.8	169.0	11,300 *	195
200	40.5	170.5	11,700	43.4	168.4	12,200	46.0	162.9	11,100 *	200
205	38.7	164.3	11,000	41.6	162.2	11,500	44.1	156.4	10,900 *	205
210	36.8	157.7	10,300	39.7	155.4	10,800	42.1	149.4	10,800 *	210
215	34.9	150.6	9,700	37.7	148.2	10,200	40.0	141.9	10,600	215
220	32.8	142.9	9,100	35.6	140.4	9,600				220
225	30.6	134.6	8,600	33.4	132.0	9,000				225
230	28.3	125.5	8,000	31.0	122.6	8,400				230
235	25.7	115.3	7,500	28.4	112.2	7,800				235
240	22.9	103.9	7,000							240
245	19.7	90.6	6,500							245

14000 S-2

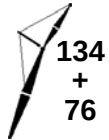
ANSI B30.5



	5°			15°			25°			
										
	ft	°	ft	lb	ft	°	ft	lb	ft	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 *	60.4	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	51.9	213.7	16,000	54.9	212.0	16,500 *	57.6	207.4	12,800 *	170
175	50.5	209.6	15,100	53.4	207.8	15,900	56.2	203.2	12,500 *	175
180	49.1	205.2	14,200	52.0	203.5	15,000	54.7	198.7	12,300 *	180
185	47.6	200.7	13,400	50.5	198.9	14,100	53.2	194.0	12,000 *	185
190	46.1	195.9	12,600	49.0	194.0	13,300	51.6	189.0	11,800 *	190
195	44.6	190.8	11,900	47.4	188.9	12,500	50.0	183.7	11,600 *	195
200	43.0	185.5	11,100	45.8	183.5	11,800	48.3	178.2	11,400 *	200
205	41.4	179.8	10,500	44.2	177.8	11,100	46.6	172.3	11,200 *	205
210	39.7	173.8	9,800	42.4	171.7	10,400	44.9	166.0	10,900	210
215	37.9	167.4	9,200	40.7	165.2	9,700	43.0	159.3	10,200	215
220	36.1	160.6	8,600	38.8	158.3	9,100	41.1	152.1	9,500	220
225	34.1	153.3	8,100	36.8	150.9	8,500				225
230	32.1	145.4	7,500	34.8	142.9	8,000				230
235	30.0	136.9	7,000	32.6	134.2	7,400				235
240	27.7	127.5	6,500	30.2	124.6	6,900				240
245	25.1	117.2	6,100							245
250	22.4	105.4	5,600							250
255	19.2	91.7	5,200							255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



193.6 ft

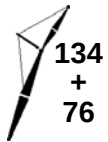


80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
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	71.4	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	66.9	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	58.6	239.9	17,000 *	61.5	238.3	17,400 *	64.3	234.1	14,300 *	150
155	57.4	236.7	16,800 *	60.2	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	15,600 *	56.4	224.5	16,500 *	59.1	219.9	13,100 *	170
175	52.2	222.3	14,700 *	55.0	220.6	15,500 *	57.7	215.9	12,800 *	175
180	50.9	218.2	13,800 *	53.7	216.5	14,600 *	56.3	211.7	12,500 *	180
185	49.5	213.9	13,000 *	52.3	212.1	13,700 *	54.9	207.3	12,300 *	185
190	48.1	209.5	12,200 *	50.9	207.6	12,900 *	53.4	202.7	12,100 *	190
195	46.7	204.7	11,400 *	49.4	202.9	12,100 *	51.9	197.8	11,800 *	195
200	45.2	199.8	10,700 *	47.9	197.9	11,400 *	50.4	192.7	11,600 *	200
205	43.7	194.6	10,000 *	46.4	192.6	10,700 *	48.8	187.3	11,300 *	205
210	42.1	189.1	9,400 *	44.8	187.0	10,000 *	47.2	181.5	10,500 *	210
215	40.5	183.2	8,800 *	43.2	181.1	9,400 *	45.5	175.4	9,900 *	215
220	38.8	177.1	8,200 *	41.5	174.9	8,700 *	43.8	168.9	9,200 *	220
225	37.1	170.5	7,700 *	39.8	168.2	8,200 *	42.0	162.0	8,600 *	225
230	35.3	163.5	7,100 *	37.9	161.1	7,600 *	40.1	154.6	8,000 *	230
235	33.4	156.0	6,600 *	36.0	153.5	7,000 *				235
240	31.4	147.9	6,100 *	34.0	145.3	6,500 *				240
245	29.3	139.2	5,700 *	31.8	136.3	6,000 *				245
250	27.1	129.6	5,200 *	29.5	126.5	5,500 *				250
255	24.6	118.9	4,800 *							255
260	21.9	106.9	4,300 *							260

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



203.4 ft

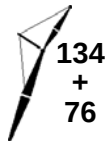


80.0 ft

	5°			15°			25°			
ft	o	ft	lb	o	ft	lb	o	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 *	74.9	275.3	19,600 *	77.9	271.4	19,000 *	95
100	71.0	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 *	73.4	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 *	67.2	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	16,200	59.0	240.2	17,000 *	61.6	235.8	13,600 *	165
170	55.0	238.4	15,200	57.8	236.7	16,200	60.4	232.2	13,300 *	170
175	53.8	234.7	14,300	56.5	233.0	15,200	59.1	228.4	13,100 *	175
180	52.5	230.9	13,400	55.2	229.1	14,300	57.8	224.5	12,800 *	180
185	51.2	226.8	12,600	53.9	225.1	13,400	56.4	220.3	12,600 *	185
190	49.9	222.6	11,800	52.6	220.8	12,600	55.1	216.0	12,300 *	190
195	48.5	218.2	11,000	51.2	216.4	11,800	53.7	211.4	12,100 *	195
200	47.2	213.6	10,300	49.8	211.7	11,100	52.3	206.6	11,700	200
205	45.7	208.7	9,700	48.4	206.8	10,300	50.8	201.6	11,000	205
210	44.3	203.6	9,000	46.9	201.6	9,700	49.3	196.3	10,300	210
215	42.8	198.2	8,400	45.4	196.2	9,000	47.8	190.7	9,600	215
220	41.3	192.6	7,800	43.9	190.5	8,400	46.2	184.8	8,900	220
225	39.7	186.6	7,300	42.3	184.4	7,800	44.5	178.5	8,300	225
230	38.1	180.2	6,800	40.6	178.0	7,300	42.8	171.9	7,700	230
235	36.4	173.5	6,200	38.9	171.1	6,700	41.0	164.8	7,100	235
240	34.6	166.3	5,800	37.1	163.8	6,200				240
245	32.8	158.6	5,300	35.2	156.0	5,700				245
250	30.8	150.3	4,800	33.2	147.6	5,200				250
255	28.7	141.3	4,400	31.1	138.4	4,700				255
260	26.5	131.5	4,000	28.8	128.4	4,300				260

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



213.2 ft

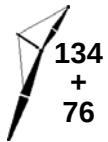


80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
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 *	78.5	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 *	63.6	261.3	17,400 *	66.3	257.0	14,800 *	150
155	59.8	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	15,800	60.2	252.1	16,900	62.8	247.6	13,900 *	165
170	56.4	250.4	14,800	59.0	248.7	15,800	61.6	244.2	13,600 *	170
175	55.2	246.9	13,900	57.8	245.2	14,800	60.3	240.6	13,300 *	175
180	54.0	243.2	13,000	56.6	241.5	13,900	59.1	236.9	13,100 *	180
185	52.7	239.4	12,200	55.4	237.7	13,000	57.8	233.0	12,800 *	185
190	51.5	235.5	11,400	54.1	233.7	12,200	56.6	228.9	12,600 *	190
195	50.2	231.3	10,600	52.8	229.5	11,400	55.2	224.6	12,200	195
200	48.9	227.0	9,900	51.5	225.1	10,700	53.9	220.1	11,400	200
205	47.6	222.4	9,200	50.2	220.5	10,000	52.5	215.4	10,600	205
210	46.3	217.6	8,600	48.8	215.7	9,300	51.1	210.5	9,900	210
215	44.9	212.6	8,000	47.4	210.6	8,600	49.7	205.3	9,300	215
220	43.5	207.3	7,400	46.0	205.3	8,000	48.2	199.8	8,600	220
225	42.0	201.8	6,900	44.5	199.7	7,400	46.7	194.0	8,000	225
230	40.5	196.0	6,300	43.0	193.8	6,900	45.2	188.0	7,400	230
235	38.9	189.8	5,800	41.4	187.6	6,300	43.5	181.5	6,800	235
240	37.3	183.3	5,300	39.8	181.0	5,800	41.9	174.7	6,200	240
245	35.7	176.4	4,900	38.1	174.0	5,300	40.1	167.4	5,700	245
250	33.9	169.0	4,400	36.3	166.5	4,800				250
255	32.1	161.2	4,000	34.5	158.5	4,400				255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



223.1 ft

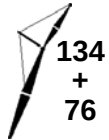


80.0 ft

	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 *	77.9	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 *	68.8	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	16,300	62.4	266.8	17,100 *	64.9	262.4	14,400 *	160
165	58.7	265.4	15,200	61.3	263.7	16,300	63.8	259.3	14,100 *	165
170	57.6	262.2	14,200	60.2	260.5	15,300	62.7	256.1	13,900 *	170
175	56.5	258.9	13,300	59.0	257.2	14,300	61.5	252.7	13,600 *	175
180	55.3	255.4	12,400	57.9	253.7	13,400	60.3	249.1	13,300 *	180
185	54.2	251.8	11,600	56.7	250.1	12,500	59.1	245.4	13,100 *	185
190	53.0	248.0	10,800	55.5	246.3	11,700	57.9	241.5	12,500	190
195	51.8	244.1	10,000	54.3	242.3	10,900	56.7	237.5	11,700	195
200	50.5	240.0	9,300	53.1	238.1	10,100	55.4	233.2	10,900	200
205	49.3	235.7	8,600	51.8	233.8	9,400	54.1	228.8	10,200	205
210	48.0	231.2	8,000	50.5	229.3	8,700	52.8	224.2	9,400	210
215	46.7	226.5	7,400	49.2	224.5	8,100	51.5	219.3	8,800	215
220	45.4	221.6	6,800	47.9	219.6	7,500	50.1	214.2	8,100	220
225	44.0	216.4	6,300	46.5	214.4	6,900	48.7	208.9	7,500	225
230	42.7	211.0	5,700	45.1	208.9	6,300	47.2	203.2	6,900	230
235	41.2	205.3	5,200	43.6	203.2	5,800	45.7	197.3	6,300	235
240	39.7	199.3	4,700	42.2	197.1	5,300	44.2	191.1	5,800	240
245	38.2	193.0	4,300	40.6	190.7	4,800	42.6	184.5	5,200	245
250				39.0	183.9	4,300	41.0	177.5	4,700	250
255							39.2	170.0	4,200	255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



232.9 ft

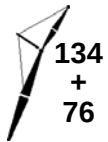


80.0 ft

	5°			15°			25°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
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	77.6	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	16,300	63.4	278.2	17,100 *	65.8	273.8	14,700 *	160
165	59.8	276.9	15,200	62.3	275.2	16,400	64.8	270.8	14,400 *	165
170	58.8	273.8	14,200	61.2	272.2	15,300	63.7	267.7	14,100 *	170
175	57.7	270.7	13,300	60.1	269.0	14,300	62.5	264.5	13,800 *	175
180	56.6	267.4	12,400	59.0	265.7	13,400	61.4	261.1	13,600 *	180
185	55.5	263.9	11,600	57.9	262.2	12,500	60.3	257.6	13,300 *	185
190	54.3	260.3	10,800	56.8	258.6	11,700	59.1	253.9	12,600	190
195	53.2	256.6	10,000	55.6	254.8	10,900	57.9	250.0	11,800	195
200	52.0	252.7	9,300	54.5	250.9	10,200	56.8	246.0	11,000	200
205	50.8	248.6	8,700	53.3	246.8	9,500	55.5	241.8	10,200	205
210	49.6	244.4	8,000	52.1	242.5	8,800	54.3	237.5	9,500	210
215	48.4	239.9	7,400	50.8	238.0	8,100	53.0	232.9	8,800	215
220	47.2	235.3	6,800	49.6	233.4	7,500	51.8	228.1	8,200	220
225	45.9	230.5	6,300	48.3	228.5	6,900	50.4	223.1	7,600	225
230	44.6	225.4	5,800	47.0	223.4	6,400	49.1	217.9	7,000	230
235	43.3	220.1	5,200	45.6	218.0	5,800	47.7	212.4	6,400	235
240	41.9	214.6	4,800	44.2	212.4	5,300	46.3	206.6	5,800	240
245	40.5	208.7	4,300	42.8	206.5	4,800	44.8	200.5	5,300	245
250				41.4	200.3	4,400	43.3	194.1	4,800	250
255							41.7	187.4	4,300	255

14000 S-2

ANSI B30.5



168,000 lb
+
53,000 lb



242.8 ft



80.0 ft

	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	64.8	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	15,900	64.3	289.5	17,000 *	66.7	285.1	14,900 *	160
165	60.8	288.3	14,900	63.3	286.6	16,000	65.6	282.2	14,600 *	165
170	59.8	285.4	13,900	62.2	283.7	15,000	64.6	279.3	14,300 *	170
175	58.8	282.3	12,900	61.2	280.6	14,000	63.5	276.1	14,100 *	175
180	57.7	279.2	12,000	60.1	277.5	13,100	62.4	272.9	13,800 *	180
185	56.7	275.9	11,200	59.1	274.1	12,200	61.4	269.5	13,200	185
190	55.6	272.4	10,400	58.0	270.7	11,400	60.3	266.0	12,300	190
195	54.5	268.9	9,700	56.9	267.1	10,600	59.1	262.4	11,500	195
200	53.4	265.2	9,000	55.8	263.4	9,800	58.0	258.5	10,700	200
205	52.3	261.3	8,300	54.6	259.5	9,100	56.8	254.6	9,900	205
210	51.1	257.3	7,600	53.5	255.4	8,400	55.7	250.4	9,200	210
215	50.0	253.1	7,000	52.3	251.2	7,800	54.5	246.1	8,500	215
220	48.8	248.7	6,500	51.1	246.8	7,200	53.3	241.6	7,900	220
225	47.6	244.1	5,900	49.9	242.2	6,600	52.0	236.9	7,300	225
230	46.4	239.4	5,400	48.7	237.4	6,000	50.8	232.0	6,700	230
235	45.1	234.4	4,900	47.4	232.3	5,500	49.5	226.8	6,100	235
240	43.8	229.2	4,400	46.1	227.1	5,000	48.1	221.5	5,500	240
245				44.8	221.6	4,500	46.8	215.8	5,000	245
250				43.4	215.8	4,000	45.4	209.9	4,500	250
255							43.9	203.7	4,000	255