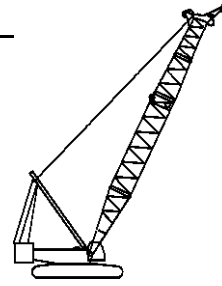




# Liftcrane Boom Capacities

**Boom No. 58WA with Heavy Lift Top**  
**368,000 lb Crane Counterweight**  
**120,000 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**



**16000**  
**SERIES 4**



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over end of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (\*).

Standard upper boom point capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves is considered part of main boom load. Boom is 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 in a level position on a firm uniformly supporting surface. Drive and idler tumbler must be properly blocked so that centerline of tumbler becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram **No. 8707-A**. Refer to boom rigging **No. 81020381** Wire Rope Specification chart **No. 9237-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.



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



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



**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 34 ft crawlers, 60 in. treads, 32 ft live mast, 26 part boom hoist reeving, boom support straps, 368,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights.

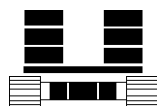
WITH OR WITHOUT BOOM CATWALKS
<b>Maximum Boom Length Lifted Unassisted</b>
Over End of Blocked Crawlers
Boom Length (a) 295.3 ft
Load block, hook, and weight ball on ground until combined weights are within capacity of chart. (a) Upper boom point cannot be attached.

Third Line Deduct
Deduct 400 lb from capacities when boom is equipped for three line operation.

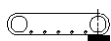
### Explanation of Symbols



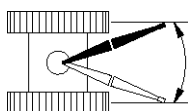
58WA Boom No. 58WA with Heavy Lift Top



Crane Counterweight  
+  
Carbody Counterweight



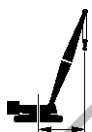
Rating Over End  
of Blocked Crawlers



Limited Swing Area



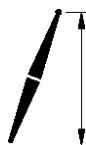
Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Boom Point Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

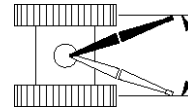
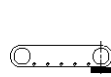
REFERENCE ONLY!

# 16000 S-4

ASME B30.5



368,000 lb  
+  
120,000 lb



**98.4 ft**

ft	°	ft	lb
21	82.9	106.0	881,900*
22	82.3	105.8	867,400*
24	81.1	105.4	798,500*
26	79.9	105.0	739,300*
28	78.7	104.6	688,100*
30	77.5	104.1	643,200*
32	76.3	103.5	603,500*
34	75.1	102.9	563,700*
36	73.9	102.3	528,500*
38	72.7	101.6	494,500*
40	71.4	100.8	463,800*
45	68.3	98.8	400,300*
50	65.1	96.4	350,800*
55	61.7	93.6	311,000*
60	58.3	90.5	278,400*
65	54.7	86.9	251,000*
70	50.9	82.8	227,600*
75	46.9	78.1	207,400*
80	42.6	72.6	189,700*
85	37.9	66.2	173,900*
90	32.6	58.5	159,700*
95	26.2	48.8	146,500*
100	17.6	34.8	133,800*

**108.3 ft**

ft	°	ft	lb
22	83.0	115.8	821,100*
24	81.9	115.4	797,500*
26	80.9	115.1	738,400*
28	79.8	114.6	687,100*
30	78.7	114.2	642,300*
32	77.6	113.7	602,600*
34	76.5	113.2	563,100*
36	75.4	112.6	525,300*
38	74.3	112.0	490,900*
40	73.2	111.3	460,400*
45	70.4	109.5	397,400*
50	67.5	107.3	348,200*
55	64.5	104.9	308,800*
60	61.5	102.1	276,400*
65	58.4	99.0	249,300*
70	55.2	95.4	226,200*
75	51.8	91.5	206,400*
80	48.2	86.9	189,000*
85	44.4	81.8	173,600*
90	40.3	75.9	159,900*
95	35.9	69.1	147,500*
100	30.8	60.8	136,100*
105	24.7	50.5	125,400*
110	16.3	35.5	114,900*

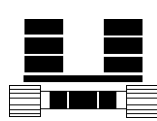
**118.1 ft**

ft	°	ft	lb
24	82.6	125.4	775,000*
26	81.6	125.1	737,900*
28	80.6	124.7	686,700*
30	79.6	124.3	641,800*
32	78.7	123.8	602,200*
34	77.7	123.3	561,500*
36	76.7	122.8	522,500*
38	75.6	122.2	488,300*
40	74.6	121.6	457,900*
45	72.1	120.0	395,200*
50	69.5	118.0	346,400*
55	66.8	115.8	307,200*
60	64.1	113.4	275,100*
65	61.3	110.6	248,200*
70	58.5	107.5	225,400*
75	55.5	104.0	205,700*
80	52.5	100.1	188,600*
85	49.3	95.8	173,500*
90	45.9	90.9	160,000*
95	42.3	85.4	148,000*
100	38.4	79.1	137,000*
105	34.1	71.7	127,000*
110	29.2	63.0	117,600*
115	23.3	52.0	108,800*
120	15.2	36.0	100,000*

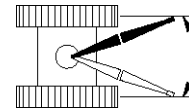
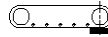
REFERENCE ONLY

# 16000 S-4

ASME B30.5



368,000 lb  
+  
120,000 lb



**127.9 ft**

ft	°	ft	lb
26	82.3	135.1	736,800*
28	81.4	134.7	685,600*
30	80.5	134.3	640,800*
32	79.5	133.9	601,200*
34	78.6	133.5	557,900*
36	77.7	133.0	519,100*
38	76.8	132.5	485,000*
40	75.9	131.9	454,800*
45	73.5	130.4	392,400*
50	71.1	128.6	343,800*
55	68.7	126.6	304,800*
60	66.3	124.4	272,900*
65	63.8	121.8	246,200*
70	61.2	119.1	223,500*
75	58.6	115.9	204,000*
80	55.9	112.5	187,100*
85	53.0	108.7	172,100*
90	50.1	104.5	158,900*
95	47.0	99.8	147,000*
100	43.8	94.6	136,300*
105	40.4	88.7	126,500*
110	36.6	82.0	117,600*
115	32.5	74.2	109,300*
120	27.8	65.0	101,500*
125	22.1	53.3	94,000*

**137.8 ft**

ft	°	ft	lb
26	82.8	145.0	709,700*
28	82.0	144.7	685,100*
30	81.1	144.3	640,300*
32	80.3	143.9	599,600*
34	79.5	143.5	555,200*
36	78.6	143.1	516,600*
38	77.7	142.6	482,600*
40	76.9	142.1	452,600*
45	74.7	140.7	390,400*
50	72.5	139.1	342,000*
55	70.3	137.2	303,300*
60	68.1	135.2	271,500*
65	65.8	132.9	244,900*
70	63.5	130.3	222,400*
75	61.1	127.5	203,000*
80	58.6	124.4	186,200*
85	56.1	121.0	171,400*
90	53.5	117.3	158,300*
95	50.8	113.2	146,600*
100	48.0	108.7	136,000*
105	45.1	103.7	126,400*
110	42.0	98.1	117,700*
115	38.7	91.8	109,600*
120	35.1	84.8	102,200*
125	31.1	76.6	95,200*
130	26.5	66.9	88,600*
135	21.0	54.6	82,200*

**147.6 ft**

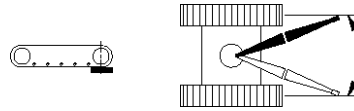
ft	°	ft	lb
28	82.5	154.7	631,200*
30	81.7	154.3	618,200*
32	81.0	154.0	596,300*
34	80.2	153.6	552,100*
36	79.4	153.2	513,600*
38	78.6	152.7	479,700*
40	77.8	152.2	449,700*
45	75.8	150.9	387,800*
50	73.8	149.4	339,600*
55	71.7	147.7	300,900*
60	69.6	145.8	269,300*
65	67.5	143.7	242,900*
70	65.4	141.4	220,400*
75	63.2	138.8	201,200*
80	61.0	136.0	184,400*
85	58.7	132.9	169,700*
90	56.4	129.6	156,700*
95	53.9	125.9	145,100*
100	51.5	121.8	134,700*
105	48.9	117.5	125,200*
110	46.2	112.6	116,600*
115	43.3	107.3	108,700*
120	40.4	101.4	101,400*
125	37.1	94.9	94,700*
130	33.7	87.4	88,300*
135	29.8	78.9	82,400*
140	25.4	68.7	76,700*
145	20.1	55.8	71,200*

# 16000 S-4

ASME B30.5



368,000 lb  
+  
120,000 lb



**157.5 ft**

ft	°	ft	lb
28	83.0	164.6	604,700*
30	82.3	164.3	590,900*
32	81.5	164.0	577,100*
34	80.8	163.6	549,700*
36	80.0	163.2	511,200*
38	79.3	162.8	477,500*
40	78.6	162.4	447,600*
45	76.7	161.1	385,800*
50	74.8	159.7	337,800*
55	72.9	158.2	299,300*
60	71.0	156.4	267,700*
65	69.0	154.4	241,400*
70	67.0	152.3	219,100*
75	65.0	149.9	199,900*
80	63.0	147.3	183,200*
85	60.9	144.5	168,600*
90	58.7	141.4	155,700*
95	56.6	138.1	144,100*
100	54.3	134.4	133,800*
105	52.0	130.5	124,400*
110	49.6	126.2	115,900*
115	47.1	121.5	108,100*
120	44.5	116.4	100,900*
125	41.8	110.8	94,300*
130	38.9	104.6	88,100*
135	35.8	97.7	82,400*
140	32.4	89.9	77,000*
145	28.7	81.0	71,800*
150	24.4	70.3	66,900*
155	19.2	56.9	62,000*

**167.3 ft**

ft	°	ft	lb
30	82.7	174.3	564,100*
32	82.0	173.9	551,700*
34	81.3	173.6	539,500*
36	80.6	173.2	508,500*
38	79.9	172.9	474,800*
40	79.2	172.4	444,900*
45	77.5	171.3	383,400*
50	75.7	170.0	335,400*
55	73.9	168.5	297,000*
60	72.1	166.9	265,600*
65	70.3	165.0	239,300*
70	68.5	163.0	217,100*
75	66.6	160.8	198,000*
80	64.7	158.4	181,400*
85	62.8	155.8	166,800*
90	60.8	152.9	154,000*
95	58.8	149.9	142,500*
100	56.7	146.6	132,200*
105	54.6	143.0	122,900*
110	52.5	139.1	114,400*
115	50.2	134.9	106,700*
120	47.9	130.4	99,600*
125	45.5	125.4	93,100*
130	43.0	120.1	87,000*
135	40.4	114.2	81,400*
140	37.5	107.7	76,100*
145	34.5	100.5	71,100*
150	31.3	92.4	66,400*
155	27.6	83.0	61,900*
160	23.5	71.9	57,600*
165	18.4	57.9	53,300*

**177.2 ft**

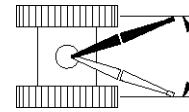
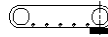
ft	°	ft	lb
32	82.5	183.9	528,500*
34	81.8	183.6	517,500*
36	81.2	183.2	506,700*
38	80.5	182.9	473,100*
40	79.9	182.5	443,300*
45	78.2	181.4	381,900*
50	76.5	180.2	334,100*
55	74.9	178.8	295,800*
60	73.2	177.2	264,400*
65	71.5	175.5	238,200*
70	69.7	173.6	216,100*
75	68.0	171.6	197,000*
80	66.2	169.3	180,500*
85	64.4	166.9	166,000*
90	62.6	164.3	153,200*
95	60.7	161.4	141,800*
100	58.8	158.4	131,500*
105	56.9	155.1	122,300*
110	54.9	151.5	113,900*
115	52.9	147.7	106,200*
120	50.8	143.6	99,200*
125	48.6	139.2	92,700*
130	46.4	134.4	86,700*
135	44.1	129.2	81,200*
140	41.6	123.6	76,000*
145	39.1	117.4	71,100*
150	36.3	110.6	66,500*
155	33.4	103.1	62,200*
160	30.2	94.7	58,100*
165	26.7	84.9	54,100*
170	22.6	73.4	50,300*
175	17.6	58.8	46,400*

# 16000 S-4

ASME B30.5



368,000 lb  
+  
120,000 lb



**187.0 ft**

ft	°	ft	lb
32	82.9	193.9	502,300*
34	82.3	193.6	495,100*
36	81.6	193.2	485,200*
38	81.0	192.9	470,600*
40	80.4	192.5	440,900*
45	78.8	191.5	379,600*
50	77.3	190.3	331,800*
55	75.7	189.0	293,600*
60	74.1	187.6	262,300*
65	72.5	185.9	236,200*
70	70.8	184.2	214,100*
75	69.2	182.2	195,100*
80	67.5	180.1	178,600*
85	65.9	177.9	164,200*
90	64.1	175.4	151,400*
95	62.4	172.8	140,100*
100	60.7	169.9	129,900*
105	58.9	166.9	120,700*
110	57.0	163.6	112,300*
115	55.2	160.1	104,700*
120	53.2	156.3	97,700*
125	51.3	152.2	91,300*
130	49.2	147.9	85,400*
135	47.1	143.3	79,800*
140	45.0	138.2	74,700*
145	42.7	132.8	69,900*
150	40.4	126.9	65,400*
155	37.9	120.5	61,200*
160	35.2	113.5	57,200*
165	32.4	105.7	53,300*
170	29.3	96.9	49,700*
175	25.8	86.8	46,200*
180	21.9	74.8	42,700*
185	17.0	59.6	39,300*

**196.9 ft**

ft	°	ft	lb
34	82.6	203.5	474,200*
36	82.1	203.2	465,200*
38	81.5	202.9	456,400*
40	80.9	202.5	439,000*
45	79.4	201.6	377,800*
50	77.9	200.4	330,100*
55	76.4	199.2	292,000*
60	74.9	197.8	260,800*
65	73.4	196.3	234,700*
70	71.8	194.6	212,600*
75	70.3	192.8	193,700*
80	68.7	190.8	177,300*
85	67.1	188.7	162,900*
90	65.5	186.4	150,100*
95	63.9	183.9	138,800*
100	62.3	181.2	128,600*
105	60.6	178.4	119,500*
110	58.9	175.3	111,200*
115	57.2	172.1	103,600*
120	55.4	168.6	96,600*
125	53.6	164.9	90,200*
130	51.7	160.9	84,300*
135	49.8	156.6	78,900*
140	47.8	152.1	73,800*
145	45.8	147.2	69,100*
150	43.7	142.0	64,600*
155	41.5	136.3	60,400*
160	39.2	130.2	56,500*
165	36.8	123.5	52,700*
170	34.2	116.2	49,200*
175	31.4	108.1	45,800*
180	28.4	99.0	42,500*
185	25.0	88.6	39,400*
190	21.1	76.2	36,300*
195	16.3	60.4	33,200*

**206.7 ft**

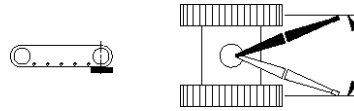
ft	°	ft	lb
34	83.0	213.5	453,700*
36	82.4	213.2	445,400*
38	81.9	212.9	437,400*
40	81.3	212.5	429,500*
45	79.9	211.6	375,600*
50	78.5	210.6	328,000*
55	77.1	209.4	289,900*
60	75.6	208.1	258,700*
65	74.2	206.6	232,700*
70	72.7	205.0	210,700*
75	71.3	203.3	191,800*
80	69.8	201.4	175,400*
85	68.3	199.4	161,000*
90	66.8	197.2	148,300*
95	65.3	194.9	137,000*
100	63.7	192.4	126,900*
105	62.1	189.7	117,800*
110	60.5	186.9	109,500*
115	58.9	183.8	101,900*
120	57.3	180.6	95,000*
125	55.6	177.1	88,700*
130	53.9	173.4	82,800*
135	52.1	169.5	77,400*
140	50.3	165.3	72,300*
145	48.4	160.9	67,600*
150	46.5	156.1	63,200*
155	44.5	151.0	59,100*
160	42.5	145.6	55,200*
165	40.4	139.7	51,500*
170	38.1	133.3	48,000*
175	35.7	126.4	44,700*
180	33.2	118.8	41,500*
185	30.5	110.4	38,500*
190	27.6	101.0	35,600*
195	24.3	90.2	32,700*
200	20.5	77.4	29,900*
205	15.7	61.1	27,100*

# 16000 S-4

ASME B30.5



368,000 lb  
+  
120,000 lb



**216.5 ft**

ft	°	ft	lb
36	82.8	223.1	427,000*
38	82.3	222.8	419,600*
40	81.7	222.5	412,400*
45	80.4	221.6	374,100*
50	79.0	220.6	326,700*
55	77.7	219.5	288,600*
60	76.3	218.2	257,500*
65	74.9	216.9	231,600*
70	73.6	215.4	209,600*
75	72.2	213.7	190,700*
80	70.8	211.9	174,400*
85	69.3	210.0	160,000*
90	67.9	208.0	147,300*
95	66.5	205.8	136,100*
100	65.0	203.4	126,000*
105	63.5	200.9	116,900*
110	62.0	198.2	108,600*
115	60.5	195.3	101,100*
120	58.9	192.3	94,200*
125	57.4	189.1	87,900*
130	55.8	185.6	82,000*
135	54.1	182.0	76,600*
140	52.5	178.1	71,600*
145	50.7	174.0	66,900*
150	49.0	169.6	62,600*
155	47.2	165.0	58,500*
160	45.3	160.0	54,600*
165	43.4	154.7	51,000*
170	41.4	149.1	47,500*
175	39.3	142.9	44,300*
180	37.1	136.4	41,200*
185	34.8	129.2	38,200*
190	32.3	121.4	35,400*
195	29.7	112.7	32,700*
200	26.8	103.0	30,000*
205	23.6	91.8	27,400*
210	19.8	78.6	24,900*
215	15.2	61.7	22,300*

**226.4 ft**

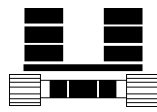
ft	°	ft	lb
38	82.6	232.8	401,800*
40	82.1	232.5	395,100*
45	80.8	231.6	372,000*
50	79.5	230.7	324,600*
55	78.2	229.6	286,600*
60	76.9	228.4	255,600*
65	75.6	227.1	229,600*
70	74.3	225.6	207,700*
75	73.0	224.1	188,900*
80	71.6	222.4	172,500*
85	70.3	220.6	158,200*
90	68.9	218.6	145,600*
95	67.5	216.5	134,300*
100	66.2	214.3	124,200*
105	64.8	211.9	115,200*
110	63.3	209.4	106,900*
115	61.9	206.7	99,400*
120	60.4	203.8	92,600*
125	59.0	200.8	86,300*
130	57.5	197.6	80,400*
135	55.9	194.1	75,100*
140	54.4	190.5	70,100*
145	52.8	186.7	65,400*
150	51.1	182.7	61,100*
155	49.5	178.4	57,000*
160	47.8	173.8	53,200*
165	46.0	169.0	49,600*
170	44.2	163.8	46,200*
175	42.3	158.3	42,900*
180	40.4	152.4	39,900*
185	38.3	146.1	37,000*
190	36.2	139.3	34,200*
195	33.9	131.9	31,500*
200	31.5	123.8	29,000*
205	28.9	114.9	26,500*
210	26.1	104.9	24,100*
215	22.9	93.4	21,800*
220	19.2	79.7	19,400*

**236.2 ft**

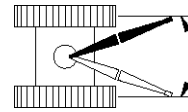
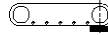
ft	°	ft	lb
38	82.9	242.7	394,100*
40	82.4	242.4	389,800*
45	81.2	241.6	369,200*
50	80.0	240.7	321,900*
55	78.7	239.7	284,000*
60	77.5	238.5	253,000*
65	76.2	237.3	227,100*
70	75.0	235.9	205,300*
75	73.7	234.4	186,500*
80	72.4	232.8	170,200*
85	71.1	231.1	155,900*
90	69.8	229.2	143,300*
95	68.5	227.2	132,100*
100	67.2	225.1	122,100*
105	65.9	222.8	113,000*
110	64.5	220.4	104,800*
115	63.2	217.9	97,400*
120	61.8	215.1	90,500*
125	60.4	212.3	84,300*
130	59.0	209.2	78,500*
135	57.5	206.0	73,100*
140	56.1	202.7	68,200*
145	54.6	199.1	63,600*
150	53.1	195.3	59,200*
155	51.5	191.3	55,200*
160	49.9	187.1	51,400*
165	48.3	182.6	47,800*
170	46.6	177.9	44,500*
175	44.9	172.8	41,300*
180	43.1	167.5	38,300*
185	41.3	161.8	35,400*
190	39.4	155.7	32,700*
195	37.4	149.2	30,100*
200	35.3	142.1	27,600*
205	33.1	134.5	25,200*
210	30.7	126.2	22,900*
215	28.2	117.0	20,600*
220	25.4	106.7	18,400*
225	22.3	94.9	16,300*
230	18.7	80.8	14,200*

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368,000 lb  
+  
120,000 lb



**246.1 ft**

ft	°	ft	lb
40	82.7	252.4	377,600*
45	81.5	251.6	366,500*
50	80.4	250.7	319,300*
55	79.2	249.7	281,600*
60	78.0	248.6	250,600*
65	76.8	247.4	224,800*
70	75.6	246.1	203,000*
75	74.4	244.7	184,300*
80	73.2	243.2	168,000*
85	71.9	241.5	153,800*
90	70.7	239.7	141,300*
95	69.4	237.8	130,100*
100	68.2	235.8	120,100*
105	66.9	233.6	111,100*
110	65.6	231.3	102,900*
115	64.3	228.9	95,400*
120	63.0	226.3	88,600*
125	61.7	223.6	82,400*
130	60.4	220.8	76,600*
135	59.0	217.7	71,300*
140	57.6	214.5	66,400*
145	56.2	211.2	61,800*
150	54.8	207.6	57,500*
155	53.3	203.9	53,500*
160	51.9	199.9	49,700*
165	50.3	195.8	46,200*
170	48.8	191.4	42,800*
175	47.2	186.7	39,700*
180	45.6	181.8	36,700*
185	43.9	176.6	33,800*
190	42.2	171.1	31,100*
195	40.4	165.2	28,600*
200	38.5	158.9	26,100*
205	36.5	152.2	23,800*
210	34.5	144.9	21,500*
215	32.3	137.1	19,300*
220	30.0	128.5	17,200*
225	27.5	119.1	15,200*
230	24.8	108.5	13,200*
235	21.7	96.3	11,200*
240	18.2	81.8	9,200*

**255.9 ft**

ft	°	ft	lb
40	83.0	262.3	358,500*
45	81.9	261.6	348,600*
50	80.7	260.7	317,600*
55	79.6	259.8	279,900*
60	78.5	258.7	249,100*
65	77.3	257.6	223,300*
70	76.1	256.3	201,600*
75	75.0	254.9	182,900*
80	73.8	253.5	166,700*
85	72.6	251.9	152,500*
90	71.5	250.2	140,000*
95	70.3	248.4	128,800*
100	69.1	246.4	118,800*
105	67.9	244.4	109,800*
110	66.6	242.2	101,700*
115	65.4	239.9	94,300*
120	64.2	237.4	87,500*
125	62.9	234.8	81,300*
130	61.6	232.1	75,500*
135	60.3	229.2	70,200*
140	59.0	226.2	65,300*
145	57.7	223.0	60,700*
150	56.3	219.7	56,500*
155	55.0	216.1	52,500*
160	53.6	212.4	48,700*
165	52.2	208.5	45,200*
170	50.7	204.4	41,900*
175	49.2	200.1	38,700*
180	47.7	195.5	35,800*
185	46.2	190.7	33,000*
190	44.6	185.6	30,300*
195	42.9	180.2	27,700*
200	41.2	174.5	25,300*
205	39.5	168.5	23,000*
210	37.6	162.0	20,800*
215	35.7	155.1	18,600*
220	33.7	147.6	16,600*
225	31.6	139.6	14,600*
230	29.3	130.8	12,700*
235	26.9	121.0	10,800*
240	24.2	110.2	9,000*
245	21.2	97.7	7,100*

**265.8 ft**

ft	°	ft	lb
45	82.2	271.5	331,400*
50	81.1	270.7	315,400*
55	80.0	269.8	277,700*
60	78.9	268.8	246,900*
65	77.8	267.7	221,200*
70	76.7	266.5	199,500*
75	75.6	265.2	180,800*
80	74.4	263.8	164,700*
85	73.3	262.2	150,500*
90	72.2	260.6	138,000*
95	71.0	258.9	126,900*
100	69.9	257.0	116,900*
105	68.7	255.0	107,900*
110	67.6	252.9	99,800*
115	66.4	250.7	92,400*
120	65.2	248.4	85,700*
125	64.0	245.9	79,500*
130	62.8	243.3	73,700*
135	61.5	240.6	68,400*
140	60.3	237.7	63,500*
145	59.0	234.7	59,000*
150	57.8	231.5	54,700*
155	56.5	228.2	50,700*
160	55.2	224.7	47,000*
165	53.8	221.0	43,500*
170	52.5	217.1	40,200*
175	51.1	213.1	37,100*
180	49.6	208.8	34,100*
185	48.2	204.3	31,300*
190	46.7	199.6	28,700*
195	45.2	194.6	26,200*
200	43.6	189.4	23,800*
205	42.0	183.8	21,500*
210	40.4	177.9	19,300*
215	38.6	171.7	17,200*
220	36.8	165.0	15,100*
225	35.0	157.9	13,200*
230	33.0	150.2	11,300*
235	30.9	141.9	9,500*
240	28.7	132.9	7,700*

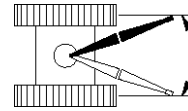
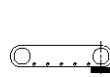


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ASME B30.5



368,000 lb  
+  
120,000 lb



**275.6 ft**

ft	°	ft	lb
45	82.5	281.5	320,300*
50	81.4	280.7	311,100*
55	80.3	279.8	275,800*
60	79.3	278.9	245,000*
65	78.2	277.8	219,400*
70	77.2	276.6	197,700*
75	76.1	275.4	179,100*
80	75.0	274.0	163,000*
85	73.9	272.5	148,800*
90	72.8	271.0	136,300*
95	71.7	269.3	125,200*
100	70.6	267.5	115,300*
105	69.5	265.6	106,400*
110	68.4	263.6	98,300*
115	67.3	261.5	90,900*
120	66.1	259.2	84,100*
125	65.0	256.9	77,900*
130	63.8	254.4	72,200*
135	62.7	251.8	67,000*
140	61.5	249.1	62,100*
145	60.3	246.2	57,500*
150	59.1	243.2	53,300*
155	57.8	240.0	49,300*
160	56.6	236.7	45,600*
165	55.3	233.2	42,100*
170	54.0	229.6	38,800*
175	52.7	225.7	35,700*
180	51.4	221.7	32,800*
185	50.0	217.5	30,000*
190	48.6	213.1	27,400*
195	47.2	208.4	24,900*
200	45.8	203.6	22,500*
205	44.3	198.4	20,200*
210	42.7	193.0	18,100*
215	41.2	187.3	16,000*
220	39.5	181.2	14,000*
225	37.8	174.8	12,100*
230	36.1	168.0	10,200*
235	34.2	160.6	8,400*

**285.4 ft**

ft	°	ft	lb
45	82.7	291.4	304,900*
50	81.7	290.7	296,100*
55	80.7	289.8	273,700*
60	79.7	288.9	243,000*
65	78.6	287.9	217,400*
70	77.6	286.7	195,800*
75	76.6	285.5	177,200*
80	75.5	284.2	161,100*
85	74.5	282.8	146,900*
90	73.4	281.3	134,500*
95	72.4	279.7	123,400*
100	71.3	278.0	113,500*
105	70.3	276.1	104,500*
110	69.2	274.2	96,400*
115	68.1	272.2	89,100*
120	67.0	270.0	82,400*
125	65.9	267.8	76,200*
130	64.8	265.4	70,500*
135	63.7	262.9	65,200*
140	62.5	260.3	60,400*
145	61.4	257.5	55,800*
150	60.2	254.7	51,600*
155	59.1	251.6	47,600*
160	57.9	248.5	43,900*
165	56.7	245.2	40,500*
170	55.5	241.7	37,200*
175	54.2	238.1	34,100*
180	53.0	234.3	31,200*
185	51.7	230.3	28,400*
190	50.4	226.2	25,800*
195	49.0	221.8	23,300*
200	47.7	217.2	20,900*
205	46.3	212.5	18,700*
210	44.9	207.4	16,500*
215	43.4	202.1	14,400*
220	41.9	196.6	12,500*
225	40.4	190.7	10,600*
230	38.8	184.4	8,700*
235	37.1	177.9	7,000*

**295.3 ft**

ft	°	ft	lb
45	83.0	301.4	282,100*
50	82.0	300.6	278,000*
55	81.0	299.8	272,300*
60	80.0	298.9	241,700*
65	79.0	297.9	216,100*
70	78.0	296.8	194,400*
75	77.0	295.7	175,900*
80	76.0	294.4	159,800*
85	75.0	293.0	145,700*
90	74.0	291.6	133,200*
95	73.0	290.0	122,200*
100	72.0	288.4	112,300*
105	71.0	286.6	103,300*
110	69.9	284.8	95,300*
115	68.9	282.8	87,900*
120	67.8	280.8	81,200*
125	66.8	278.6	75,000*
130	65.7	276.3	69,400*
135	64.6	273.9	64,100*
140	63.5	271.4	59,200*
145	62.4	268.8	54,700*
150	61.3	266.0	50,500*
155	60.2	263.1	46,600*
160	59.1	260.1	42,900*
165	57.9	257.0	39,400*
170	56.8	253.7	36,100*
175	55.6	250.2	33,100*
180	54.4	246.6	30,100*
185	53.2	242.9	27,400*
190	52.0	238.9	24,800*
195	50.7	234.8	22,300*
200	49.4	230.5	19,900*
205	48.1	226.0	17,700*
210	46.8	221.3	15,600*
215	45.4	216.4	13,500*
220	44.0	211.2	11,500*
225	42.6	205.8	9,700*
230	41.1	200.0	7,800*