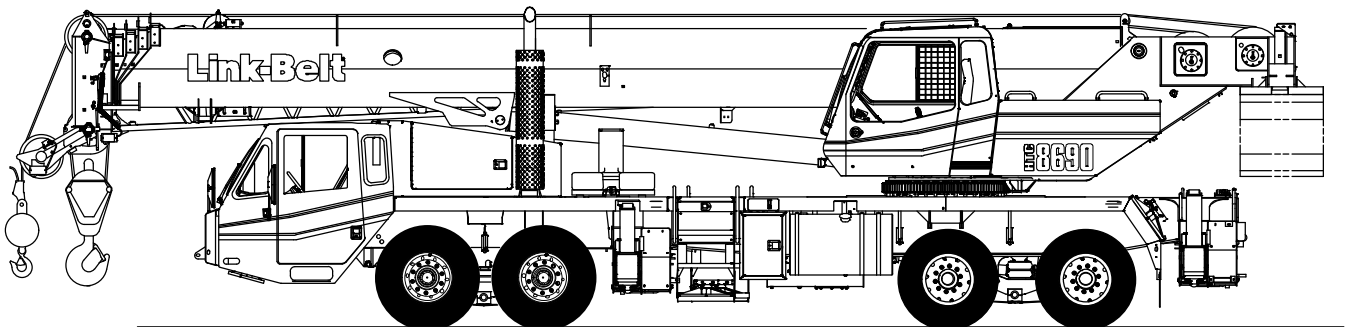


Technical Data

Specifications & Capacities

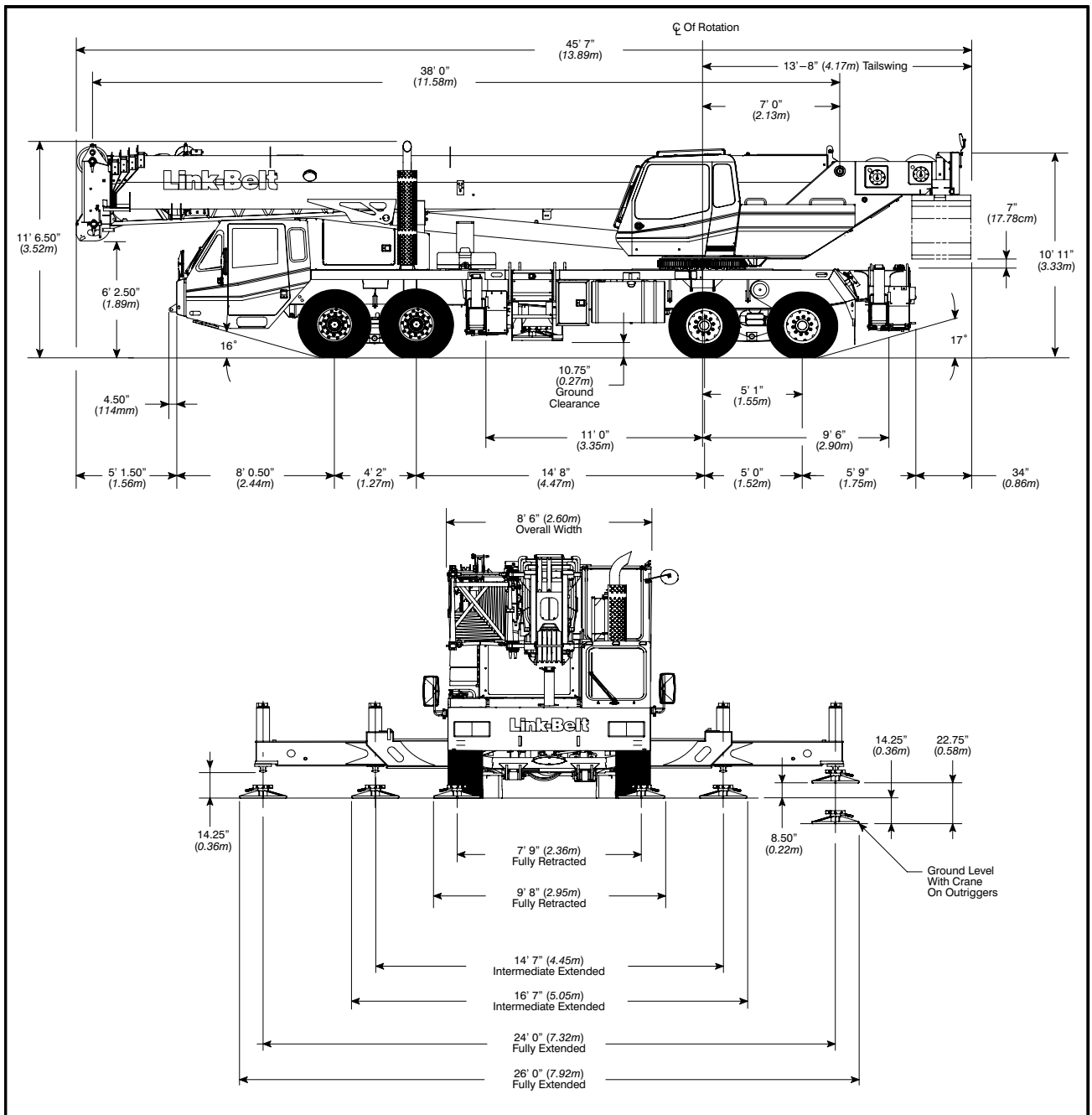
HTC 8690

Telescopic Boom Truck Crane
90 ton (81.6 metric ton)



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

General Dimensions



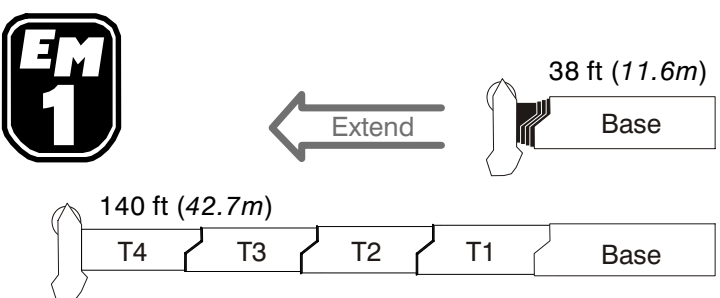
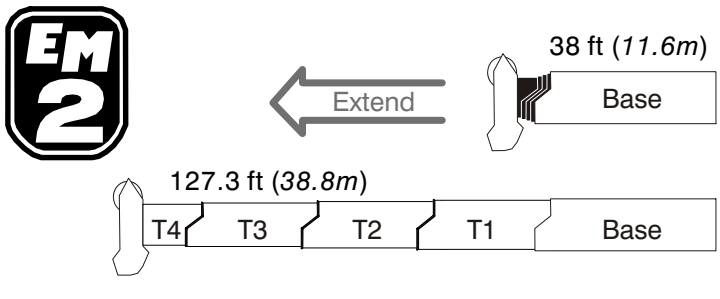
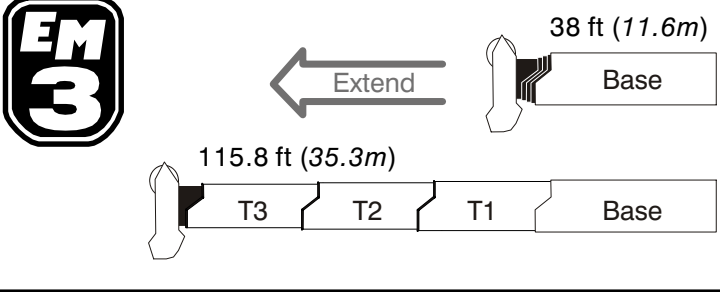
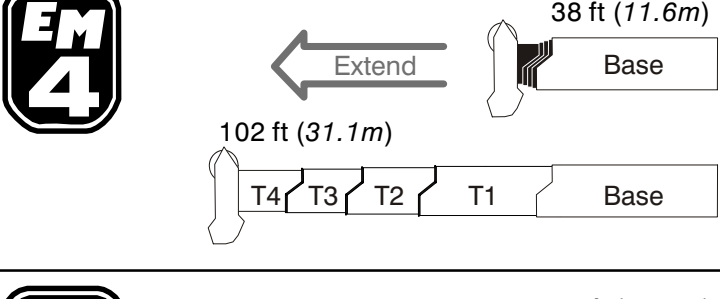
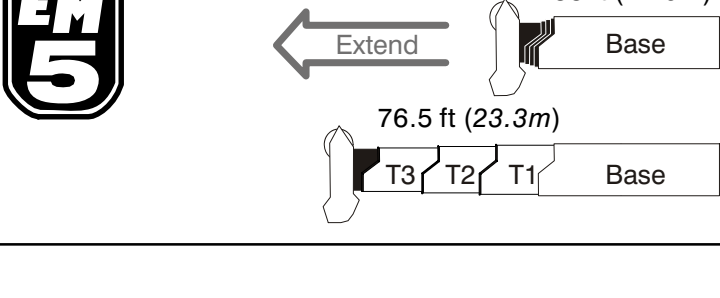
Tire Inflation

Tire Size	Operation	Tire Pressure (psi)
12 R 22.5	1 mph Stationary	120 120

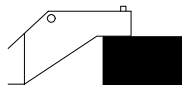
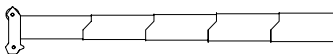
Pontoon Loadings

Maximum Pontoon Load (lb)	Maximum Pontoon Ground Bearing Pressure (psi)
Front – 97,400	199
Rear – 106,000	217
Bumper – 51,000	262

Boom Extend Modes

Boom Length (ft)	Boom Telescope Length (ft)				EM 1	
	T4	T3	T2	T1		
50	12.0					
60	22.0					
70	24.2	7.8				
80	24.2	17.8				
90	24.2	25.1	2.7			
100	24.2	25.1	12.7			
110	24.2	25.1	22.7			
120	24.2	25.1	25.9	6.8		
130	24.2	25.1	25.9	16.8		
140	24.2	25.1	25.9	26.8		
Boom Length (ft)	Boom Telescope Length (ft)				EM 2	
	T4	T3	T2	T1		
50	11.5	0.5				
60	11.5	10.5				
70	11.5	20.5				
80	11.5	25.1	5.4			
90	11.5	25.1	15.4			
100	11.5	25.1	25.4			
110	11.5	25.1	25.9	9.5		
120	11.5	25.1	25.9	19.5		
127.3	11.5	25.1	25.9	26.8		
Boom Length (ft)	Boom Telescope Length (ft)				EM 3	
	T4	T3	T2	T1		
50		12.0				
60		22.0				
70		25.1	6.9			
80		25.1	16.9			
90		25.1	25.9	1.0		
100		25.1	25.9	11.0		
115.8		25.1	25.9	26.8		
Boom Length (ft)	Boom Telescope Length (ft)				EM 4	
	T4	T3	T2	T1		
50	11.5	0.5				
60	11.5	10.5				
70	11.5	12.7	7.8			
80	11.5	12.7	13.0	4.8		
90	11.5	12.7	13.0	14.8		
102	11.5	12.7	13.0	26.8		
Boom Length (ft)	Boom Fixed Length (ft)				EM 5	
	T4	T3	T2	T1		
50.7		12.7				
63.7		12.7	13.0			
76.5		12.7	13.0	12.8		

Allowable Crane Configuration – Main Boom

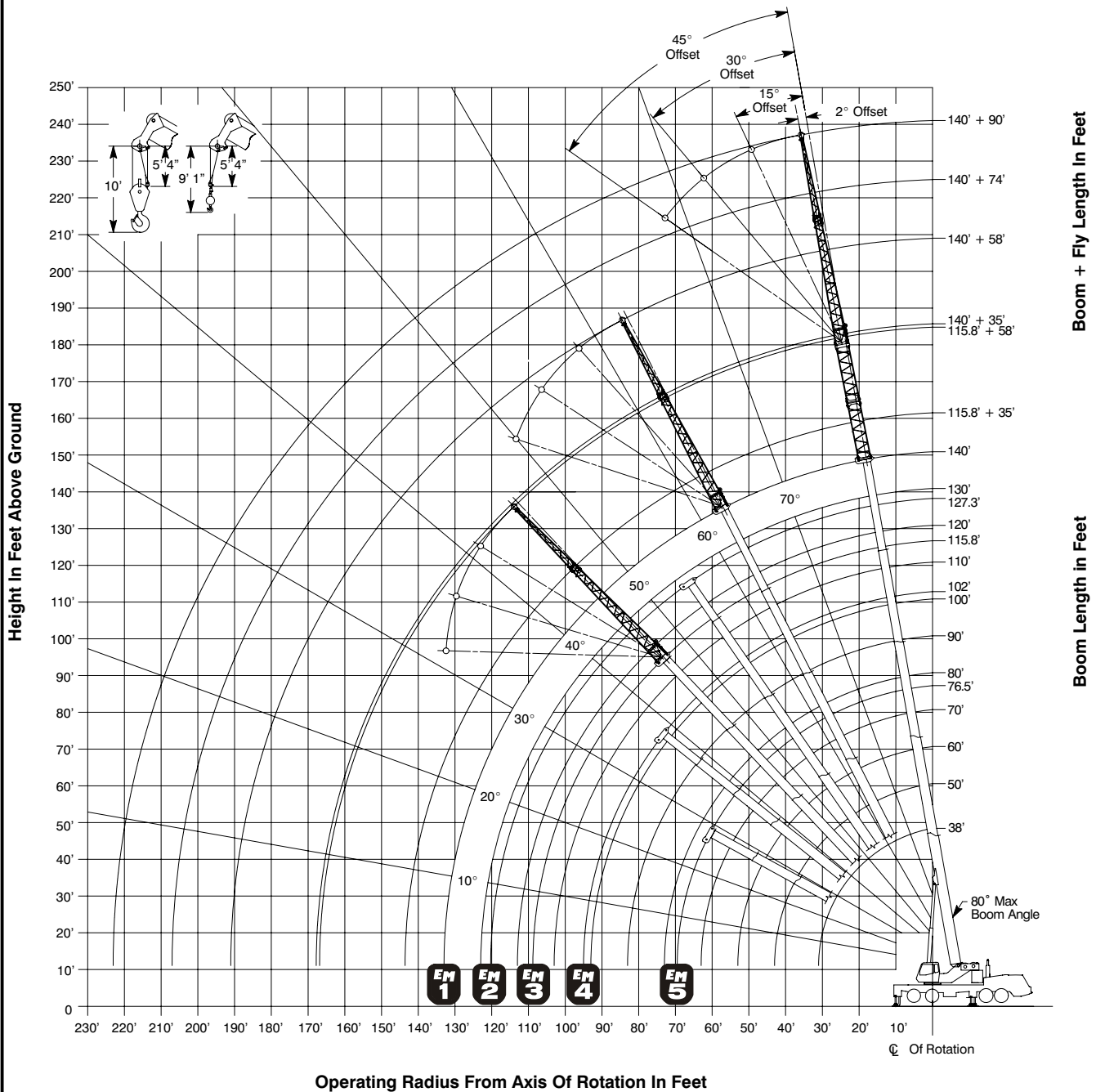
						
		Boom Length (ft)				
Outrigger Position	Counterweight (lb)					
Full	0	38–140	38–127.3	38–115.8	38–102	38–76.5
	2,500					
	5,500					
	8,500					
	11,500					
	14,500					
	17,500					
	20,500					
	23,500					
	26,500					
	29,500					
	32,500					
	39,500					
Intermediate	0	38–110	38–100	38–90	38–90	38–76.5
	2,500	38–120	38–100	38–100	38–102	
	5,500	38–120	38–110	38–100		
	8,500	38–130	38–120	38–115.8		
	11,500 – 39,500	38–140	38–127.3			
Retracted	0		Not Allowed			
	2,500	38–80				
	5,500	38–90				
	8,500	38–100				
	11,500	38–100				
	14,500–39,500					
On Tires	0–2,500	38–80	Not Allowed			
	5,500–32,500	38–100				
	39,500					
On tire capacities are based on over the rear position only, outrigger capacities are based on 360° rotation.						

Wind Speed Restrictions

If The Speed Is:	Rated Lifted Capacities Must Be Reduced By At Least:
0–20 mph	Normal Lifting Operations (See Capacity Charts)
21–29 mph	40%
30–39 mph	70%
40 mph or Greater	Crane operation must be shutdown and the boom retracted and lowered to horizontal.

- Additional reductions are required for loads with large wind sail area.
- These restrictions are based on crane on fully extended outriggers.
- During high winds, the operator shall add 10° to all minimum boom angles due to no load stability and shall not boom down below that angle.

Working Range Diagram



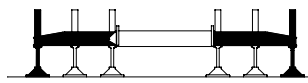
Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.



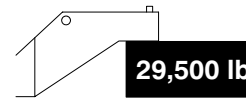
WARNING

Do Not Lower The Boom Below The Minimum Boom Angle For No Load Stability As Shown In The Lift Charts For The Boom Lengths Given. Loss Of Stability Will Occur Causing A Tipping Condition.

Rated Lifting Capacities In Pounds



Full

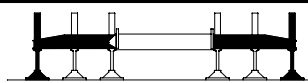


Load Radius (ft)	38.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft		90.0 ft	
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°
8	71.5	180,000										
9	69.5	166,800										
10	68.0	158,100	74.0	80,500	77.0	58,000	79.5	55,900				
12	64.5	142,100	71.5	75,100	75.0	53,800	77.5	52,300	79.5	41,900		
15	59.5	117,200	67.5	68,100	72.0	48,400	75.0	47,500	77.5	41,900	79.0	33,500
20	49.5	86,000	61.0	59,100	67.0	41,400	71.0	41,100	74.0	41,900	76.0	33,500
25	37.5	66,700	54.0	52,200	61.5	36,100	66.5	36,300	70.0	37,900	73.0	33,500
30	18.5	53,600	46.0	46,900	55.5	32,000	61.5	32,400	66.0	34,000	69.5	31,400
35			37.0	42,800	49.0	28,800	56.5	29,200	62.0	30,400	66.0	28,200
40			24.0	38,700	42.0	26,100	51.5	26,600	58.0	27,600	62.5	25,500
45					33.5	23,900	45.5	24,400	53.5	25,100	58.5	23,300
50					22.0	22,200	39.0	22,600	48.5	23,100	54.5	21,400
55							31.5	20,800	43.0	21,300	50.5	19,800
60							20.5	19,300	37.0	19,800	46.0	18,300
65									29.5	18,500	41.0	17,100
70									19.5	17,400	35.0	16,000
75											28.5	14,900
80											19.0	14,100
Min.Bm.	0.0	31,900	0.0	18,200	0.0	13,000	0.0	10,800	0.0	9,200	0.0	7,900
Ang./Cap.	(31.0)		(43.0)		(53.0)		(63.0)		(73.0)		(83.0)	

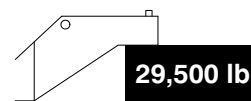
Load Radius (ft)	100.0 ft		110.0 ft		120.0 ft		130.0 ft		140.0 ft	
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°
20	77.5	32,200	79.0	27,200						
25	75.0	32,200	76.5	27,200	78.0	28,100	79.5	26,900		
30	72.0	32,200	74.0	27,200	76.0	28,100	77.5	26,500	78.5	24,400
35	69.0	29,700	71.5	27,200	73.5	28,100	75.5	26,300	77.0	24,100
40	66.0	27,100	69.0	27,200	71.5	28,100	73.5	26,100	75.0	24,000
45	62.5	24,900	66.0	25,900	69.0	26,200	71.5	25,900	73.5	23,800
50	59.5	23,000	63.0	23,800	66.5	24,100	69.0	25,200	71.5	23,700
55	56.0	21,400	60.0	22,000	63.5	22,300	67.0	23,500	69.5	23,600
60	52.0	19,900	57.0	20,400	61.0	20,800	64.0	21,600	67.0	21,300
65	48.0	18,600	53.5	18,900	58.0	19,300	61.5	19,000	64.5	18,700
70	44.0	17,500	50.0	17,500	54.5	17,200	58.5	16,800	62.0	16,500
75	39.0	15,800	46.0	15,700	51.5	15,300	55.5	15,000	59.5	14,600
80	33.5	14,100	42.0	14,100	48.0	13,700	52.5	13,400	56.5	13,000
85	27.0	12,800	37.5	12,700	44.0	12,500	49.5	12,100	54.0	11,800
90	18.0	11,600	32.0	11,500	40.5	11,200	46.0	10,900	51.0	10,600
95			26.0	10,400	36.0	10,200	42.5	9,800	48.0	9,500
100			17.5	9,500	31.0	9,200	39.0	8,900	45.0	8,600
105					25.0	8,300	34.5	8,000	41.5	7,700
110					16.5	7,600	30.0	7,200	38.0	7,000
115							24.5	6,500	34.0	6,300
120							16.5	5,900	29.0	5,600
125									23.5	5,000
130									16.0	4,500
Min.Bm.	0.0	6,600	0.0	5,500	0.0	4,400	0.0	3,300	0.0	2,400
Ang./Cap.	(93.0)		(103.0)		(113.0)		(123.0)		(133.0)	

() Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

Rated Lifting Capacities In Pounds



Full

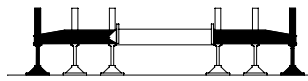


Load Radius (ft)	38.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	 °	360°	 °	360°	 °	360°	 °	360°	 °	360°
8	71.5	180,000								
9	69.5	166,800								
10	68.0	158,100	74.0	82,600	77.0	87,000	79.5	73,000		
12	64.5	142,100	71.5	77,100	75.0	81,900	77.5	67,700	79.5	55,700
15	59.5	117,200	67.5	70,000	72.0	75,200	75.0	61,000	77.5	55,700
20	49.5	86,000	61.0	60,900	67.0	66,300	71.0	52,300	73.5	48,300
25	37.5	66,700	54.0	53,900	61.5	59,400	66.5	45,600	70.0	42,400
30	18.5	53,600	46.0	48,500	55.5	53,800	61.5	40,400	66.0	37,800
35			37.0	44,400	49.5	48,200	56.5	36,200	62.0	34,000
40			24.0	38,700	42.0	39,800	51.5	32,800	57.5	30,900
45					33.5	33,100	45.5	29,900	53.0	28,200
50					22.0	27,900	39.0	27,500	48.0	26,000
55							31.5	24,700	43.0	24,100
60							20.5	21,400	36.5	21,700
65									29.5	19,100
70									19.5	16,800
Min.Bm. Ang./Cap.	0.0 (31.0)	31,900	0.0 (43.0)	18,400	0.0 (53.0)	15,200	0.0 (63.0)	12,600	0.0 (73.0)	10,500

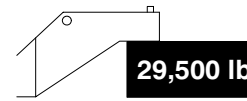
Load Radius (ft)	90.0 ft		100.0 ft		110.0 ft		120.0 ft		127.3 ft	
	 °	360°	 °	360°	 °	360°	 °	360°	 °	360°
15	79.0	45,000								
20	76.0	45,000	78.0	40,300	79.5	42,500				
25	73.0	43,900	75.0	40,300	77.0	42,500	78.5	33,700	79.0	29,700
30	69.5	39,500	72.0	37,100	74.5	38,300	76.0	31,200	77.5	29,400
35	66.0	35,900	69.0	33,300	72.0	34,700	74.0	30,900	75.0	29,100
40	62.5	32,800	66.0	30,100	69.0	31,700	71.5	30,600	73.0	28,800
45	58.5	30,100	62.5	27,500	66.0	28,900	69.5	29,900	71.0	28,600
50	54.5	27,900	59.5	25,200	63.0	26,600	66.5	27,800	68.5	26,800
55	50.5	24,900	55.5	23,200	60.0	24,400	63.5	24,100	66.0	23,900
60	45.5	21,700	52.0	21,500	56.5	21,300	60.5	20,900	63.5	20,700
65	40.5	19,100	48.0	19,000	53.0	18,600	57.5	18,300	60.5	18,100
70	34.5	16,900	43.5	16,800	49.5	16,500	54.5	16,100	57.5	15,900
75	28.0	15,000	38.5	15,000	45.5	14,600	51.0	14,300	54.5	14,100
80	18.5	13,400	33.0	13,400	41.5	13,000	47.5	12,700	51.5	12,600
85			26.5	12,000	37.0	11,700	44.0	11,400	48.0	11,200
90			17.5	10,800	32.0	10,500	40.0	10,200	44.5	10,000
95					25.5	9,400	35.5	9,100	41.0	9,000
100					17.0	8,500	30.5	8,200	37.0	8,000
105							25.0	7,300	32.5	7,100
110							16.5	6,600	27.0	6,400
115									20.5	5,700
120									8.0	5,100
Min.Bm. Ang./Cap.	0.0 (83.0)	8,600	0.0 (93.0)	7,100	0.0 (103.0)	5,600	0.0 (113.0)	4,200	0.0 (120.3)	3,400

() Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

Rated Lifting Capacities In Pounds



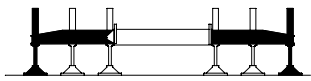
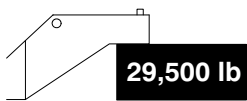
Full

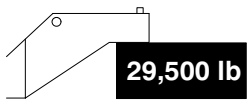


Load Radius (ft)	38.0 ft		50.0 ft		60.0 ft		70.0 ft	
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°
8	71.5	180,000						
9	69.5	166,800						
10	68.0	158,100	74.0	103,300	77.0	96,400	79.0	70,800
12	64.5	142,100	71.5	103,300	75.0	89,600	77.5	70,800
15	59.5	117,200	68.0	103,300	72.0	79,900	75.0	70,800
20	49.5	86,000	61.0	88,200	67.0	67,800	71.0	63,500
25	37.5	66,700	54.0	68,900	61.5	58,800	66.5	55,100
30	18.5	53,600	46.0	55,900	55.5	51,800	61.5	48,100
35			36.5	46,500	49.5	46,300	56.5	42,700
40			24.0	38,000	42.0	39,200	51.5	38,300
45					33.5	32,500	45.5	32,900
50					22.0	27,300	39.0	27,800
55							31.0	23,800
60							20.5	20,600
Min.Bm.	0.0	31,900	0.0	23,100	0.0	18,300	0.0	14,600
Ang./Cap.	(31.0)		(43.0)		(53.0)		(63.0)	

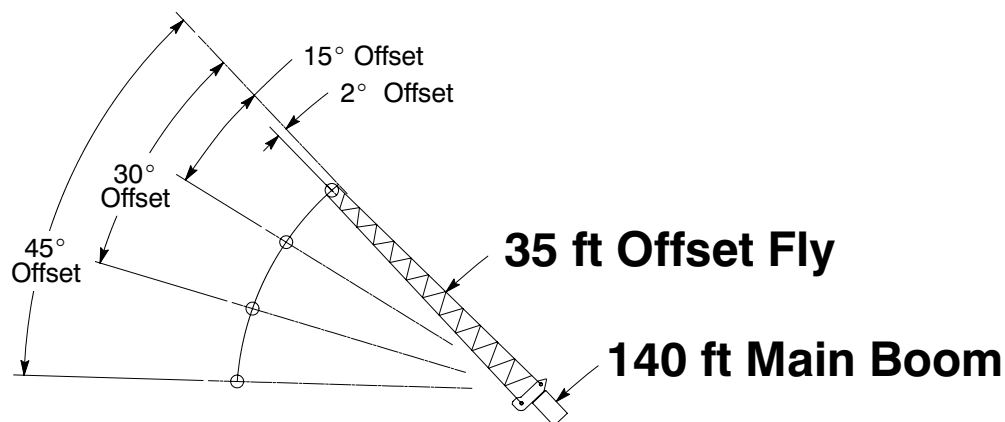
Load Radius (ft)	80.0 ft		90.0 ft		100.0 ft		115.8 ft	
	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°	$\angle$ °	360°
12	79.5	70,800						
15	77.5	67,700	79.0	54,300				
20	74.0	58,400	76.0	52,100	78.0	49,100		
25	70.0	51,300	73.0	45,700	75.0	45,200	78.0	36,300
30	66.0	45,500	69.5	40,600	72.5	42,300	76.0	35,900
35	62.0	40,900	66.0	36,500	69.5	38,300	73.5	35,500
40	57.5	37,100	62.5	33,100	66.0	35,000	71.0	33,400
45	53.0	33,000	58.5	30,100	63.0	32,100	68.5	30,300
50	48.0	27,900	54.5	27,600	59.5	27,500	65.5	27,000
55	42.5	24,000	50.0	24,000	55.5	23,600	62.5	23,200
60	36.5	20,800	45.5	20,800	51.5	20,500	59.0	20,000
65	29.0	18,200	40.5	18,200	47.5	17,900	56.0	17,400
70	19.0	15,900	34.5	16,000	43.5	15,700	52.5	15,200
75			28.0	14,200	38.5	13,900	49.0	13,400
80			18.5	12,600	33.0	12,300	45.5	11,900
85					26.5	10,900	41.5	10,600
90					17.5	9,700	37.0	9,400
95							32.0	8,300
100							26.5	7,300
105							18.5	6,500
Min.Bm.	0.0	11,700	0.0	9,400	0.0	7,200	0.0	4,600
Ang./Cap.	(73.0)		(83.0)		(93.0)		(108.8)	

() Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

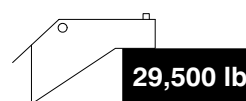
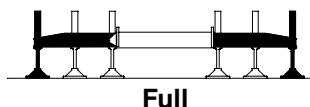
Rated Lifting Capacities In Pounds			 Full						 29,500 lb					
Load Radius (ft)	38.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft		90.0 ft		102.0 ft	
	 °	360°	 °	360°	 °	360°	 °	360°	 °	360°	 °	360°	 °	360°
8	71.5	180,000												
9	69.5	166,800												
10	68.0	158,100	74.0	82,600	77.0	87,000	79.0	89,700						
12	64.5	142,100	71.5	77,100	75.0	81,900	77.5	85,000	79.0	63,600				
15	59.5	117,200	67.5	70,000	72.0	75,200	75.0	78,800	77.0	63,600	79.0	57,700		
20	49.5	86,000	61.0	60,900	67.0	66,300	71.0	70,300	73.5	63,600	76.0	56,200	78.0	46,600
25	37.5	66,700	54.0	53,900	61.5	59,400	66.5	63,600	70.0	63,600	72.5	55,300	75.5	45,800
30	18.5	53,600	46.0	48,500	55.5	53,800	61.5	57,800	66.0	57,600	69.5	54,500	73.0	45,200
35			37.0	44,400	49.5	48,200	56.5	48,400	62.0	48,300	66.0	47,900	70.0	42,500
40			24.0	38,700	42.0	39,800	51.5	40,000	57.5	39,800	62.0	39,300	67.0	38,200
45					33.5	33,100	45.5	33,300	52.5	33,100	58.0	32,600	63.5	32,200
50					22.0	27,900	39.0	28,200	47.5	28,000	54.0	27,600	60.0	27,100
55							31.0	24,300	42.5	24,100	49.5	23,700	56.5	23,300
60							20.0	21,000	36.0	20,900	45.0	20,500	52.5	20,100
65									29.0	18,300	40.0	17,900	48.5	17,500
70									19.0	16,100	34.5	15,700	44.5	15,400
75											27.5	13,900	40.0	13,500
80											18.0	12,300	35.0	12,000
85													29.0	10,600
90													21.5	9,400
Min.Bm. Ang./Cap.	0.0 (31.0)	31,900	0.0 (43.0)	18,400	0.0 (53.0)	15,200	0.0 (63.0)	12,400	0.0 (73.0)	9,900	0.0 (83.0)	7,800	0.0 (95.0)	5,700

Fixed Boom Length Rated Lifting Capacities In Pounds See Operation Note 10.			 Full		 29,500 lb			
Load Radius (ft)	38.0 ft		50.7 ft		63.7 ft		76.5 ft	
	 °	360°	 °	360°	 °	360°	 °	360°
8	71.5	180,000						
9	69.5	166,800						
10	68.0	158,100	74.5	152,100	78.0	117,900		
12	64.5	142,100	72.0	138,700	76.0	108,800	79.0	85,100
15	59.5	117,200	68.0	119,300	73.5	106,500	76.5	78,400
20	49.5	86,000	61.5	88,200	68.5	88,700	73.0	76,500
25	37.5	66,700	54.5	69,000	63.5	69,500	69.0	69,000
30	18.5	53,600	47.0	56,000	58.0	56,600	64.5	56,100
35			38.0	46,600	52.0	47,200	60.0	46,800
40			26.0	38,100	46.0	38,700	55.5	38,200
45					38.5	32,000	50.5	31,500
50					30.0	26,900	45.0	26,500
55					16.5	22,900	39.0	22,600
60							32.0	19,400
65							23.0	16,800
Min.Bm. Ang./Cap.	0.0 (31.0)	31,900	0.0 (43.7)	22,700	0.0 (56.7)	16,400	0.0 (69.5)	11,600

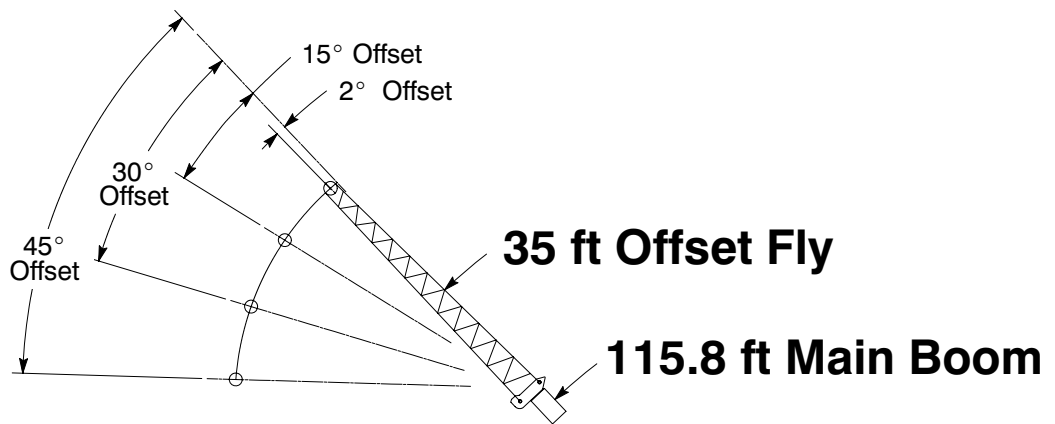
() Radius For Minimum Boom Angle Capacities (Shown In Parenthesis) Are In Feet.

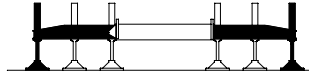
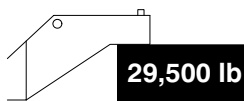


Rated Lifting Capacities In Pounds

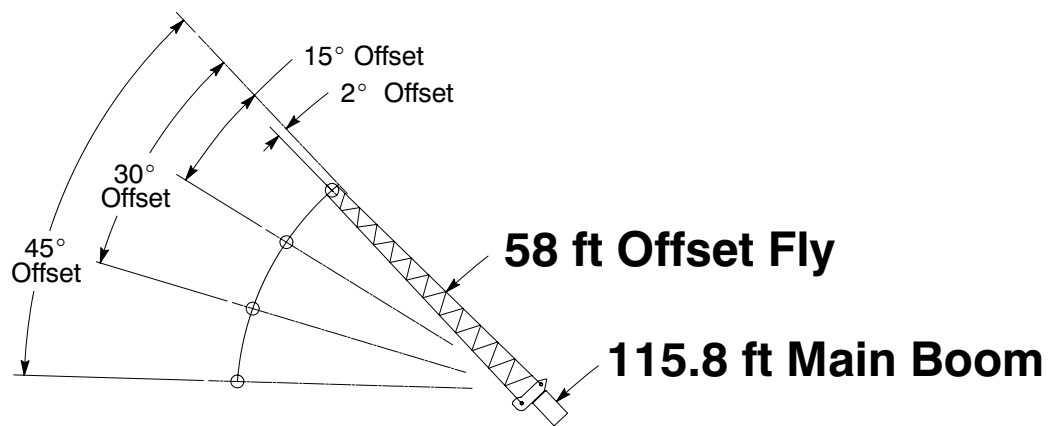


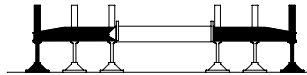
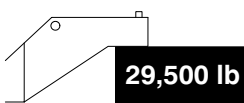
Load Radius In (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	Δ°	360°	Δ°	360°	Δ°	360°	Δ°	360°
35	80.0	12,100						
40	78.5	12,100						
45	77.5	12,100	80.0	11,500				
50	76.0	12,100	78.5	11,400				
55	74.5	12,100	77.0	11,200	79.5	10,000		
60	73.0	12,100	75.5	11,000	78.0	9,800		
65	71.5	11,900	74.0	10,800	76.5	9,700	78.5	8,800
70	70.0	11,700	72.5	10,600	75.0	9,500	77.0	8,800
75	68.5	11,500	71.0	10,400	73.5	9,400	75.0	8,700
80	67.0	11,300	69.5	10,200	71.5	9,200	73.5	8,600
85	65.5	11,000	67.5	10,000	70.0	9,100	71.5	8,600
90	63.5	10,500	66.0	9,700	68.0	9,000	70.0	8,500
95	61.5	10,000	64.0	9,400	66.0	8,800	68.0	8,400
100	59.5	9,100	62.0	9,000	64.0	8,500	66.0	8,200
105	57.0	8,200	60.0	8,600	62.0	8,200	63.5	8,000
110	54.5	7,400	57.5	7,800	60.0	8,000	61.5	7,800
115	52.5	6,800	55.0	7,100	57.5	7,400	59.0	7,600
120	50.0	6,100	52.5	6,400	55.0	6,700	56.5	6,900
125	47.0	5,500	50.0	5,800	52.0	6,100	53.5	6,200
130	44.5	5,000	47.0	5,300	49.5	5,500	50.5	5,600
135	41.5	4,500	44.5	4,700	46.5	4,900	47.0	5,000
140	38.5	4,100	41.0	4,300	43.0	4,400		
145	35.5	3,700	38.0	3,800	39.5	4,000		
150	32.0	3,300	34.5	3,400	35.5	3,500		
155	28.0	2,900	30.0	3,000	31.0	3,100		
160	23.0	2,500	25.0	2,600				
165	16.0	2,200	18.0	2,200				
Min.Bm. Ang./Cap.	0.0	500	0.0	500	0.0	600	0.0	600
Radius (ft)	168.0		167.5		165.1		161.0	



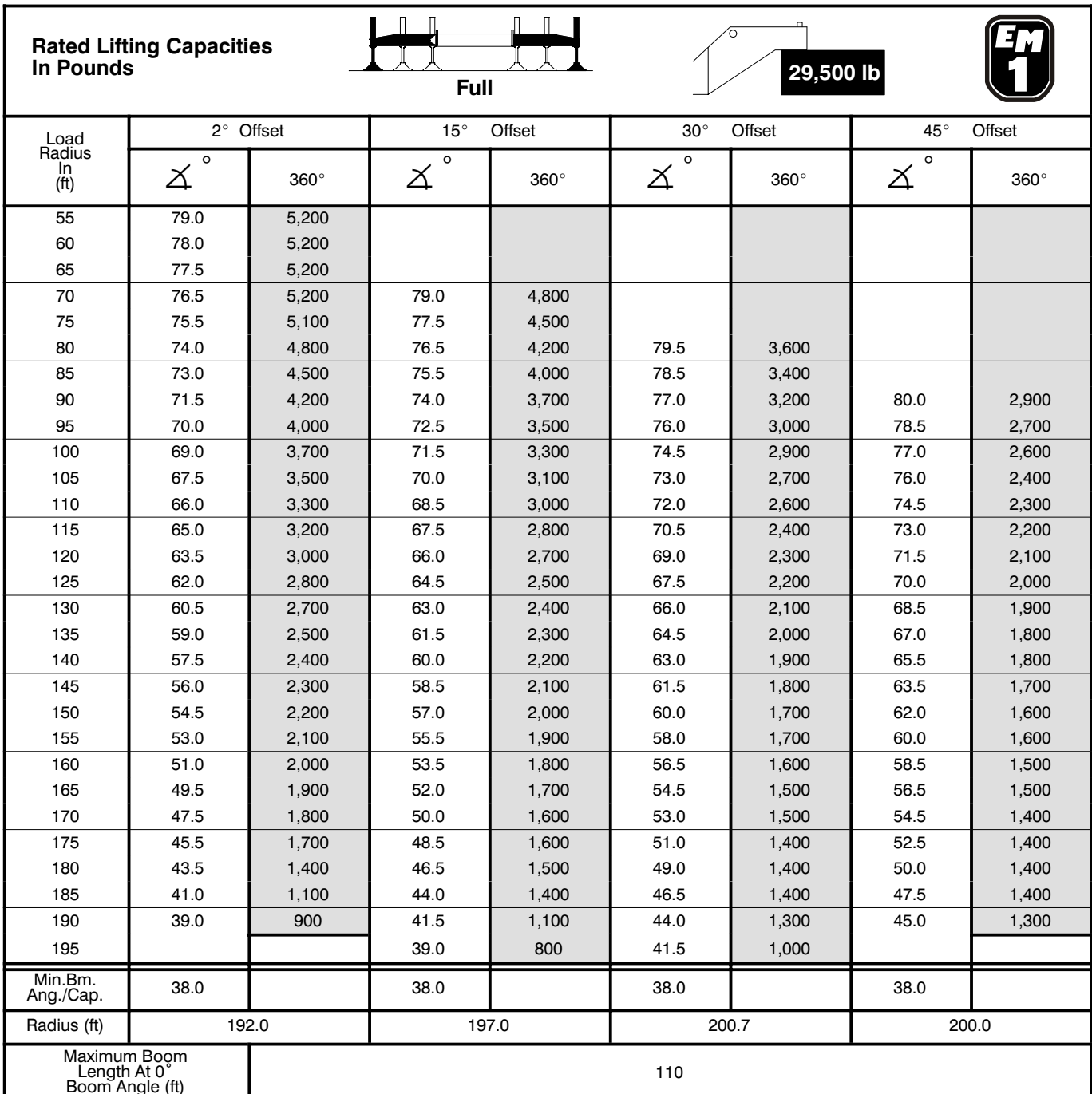
Rated Lifting Capacities In Pounds			 Full		 29,500 lb			
Load Radius In (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 °	360°	 °	360°	 °	360°	 °	360°
30	79.5	20,000						
35	78.0	19,100						
40	76.0	18,100	78.5	13,700				
45	74.5	17,200	77.0	13,200	79.5	11,100		
50	72.5	16,400	75.0	12,800	78.0	10,800		
55	70.5	14,500	73.0	12,300	76.0	10,500	78.5	9,400
60	68.5	14,000	71.0	11,900	74.0	10,300	76.5	9,200
65	66.5	13,500	69.0	11,500	72.0	10,000	74.0	9,100
70	64.5	13,000	67.0	11,200	70.0	9,800	72.0	9,000
75	62.5	12,500	65.0	10,900	67.5	9,600	70.0	8,900
80	60.0	12,000	63.0	10,600	65.5	9,400	67.5	8,800
85	58.0	11,600	60.5	10,300	63.0	9,300	65.0	8,700
90	55.5	10,500	58.0	10,000	61.0	9,100	62.5	8,700
95	52.5	9,400	56.0	9,800	58.5	9,000	60.0	8,700
100	50.0	8,500	53.0	8,900	55.5	8,900	57.5	8,700
105	47.0	7,600	50.0	8,000	53.0	8,400	54.5	8,600
110	44.0	6,900	47.0	7,200	49.5	7,500	51.0	7,700
115	41.0	6,200	44.0	6,500	46.0	6,700	47.0	6,800
120	37.5	5,500	40.5	5,800	42.5	6,000		
125	33.5	5,000	36.5	5,200	38.5	5,400		
130	29.5	4,500	32.0	4,600	33.5	4,700		
135	24.5	4,000	27.0	4,100				
140	17.5	3,500	20.0	3,600				
Min.Bm. Ang./Cap.	0.0	1,800	0.0	1,800	0.0	1,900	0.0	2,100
Radius (ft)	143.8		143.3		141.1		137.1	

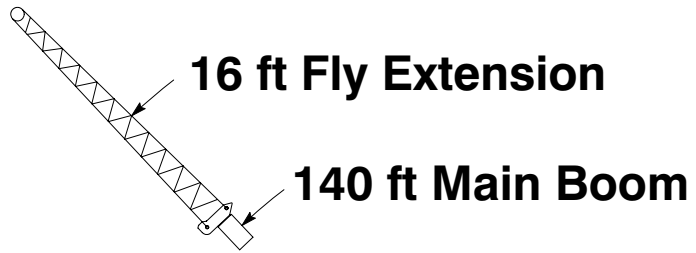




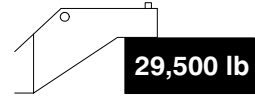
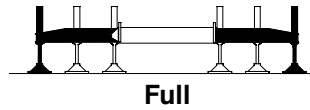
Rated Lifting Capacities In Pounds			 Full		 29,500 lb			
Load Radius In (ft)	2° Offset		15° Offset		30° Offset		45° Offset	
	 °	360°	 °	360°	 °	360°	 °	360°
35	80.0	11,600						
40	78.5	11,200						
45	77.0	10,700						
50	75.5	10,300	79.5	8,400				
55	74.0	9,800	78.0	8,000				
60	72.5	9,400	76.5	7,700				
65	70.5	9,000	74.5	7,400	79.0	6,200		
70	69.0	8,600	73.0	7,100	77.5	6,000		
75	67.5	8,200	71.5	6,900	75.5	5,800	79.5	5,200
80	65.5	7,900	69.5	6,700	73.5	5,700	77.5	5,100
85	63.5	7,500	67.5	6,400	72.0	5,500	75.5	5,000
90	62.0	7,200	66.0	6,200	70.0	5,400	73.5	4,900
95	60.0	7,000	64.0	6,000	68.0	5,300	71.5	4,900
100	58.0	6,700	62.0	5,900	66.0	5,200	69.0	4,800
105	56.0	6,500	60.0	5,700	64.0	5,100	67.0	4,800
110	54.0	6,200	58.0	5,500	61.5	5,000	64.5	4,700
115	51.5	6,000	55.5	5,400	59.5	4,900	62.5	4,700
120	49.5	5,800	53.5	5,300	57.0	4,900	59.5	4,700
125	47.0	5,600	51.0	5,200	54.5	4,800	57.0	4,700
130	44.5	5,100	48.5	5,100	52.0	4,800	54.0	4,700
135	41.5	4,600	46.0	4,900	49.0	4,700	51.0	4,700
140	38.5	4,100	42.5	4,400	46.0	4,700	47.5	4,700
145	35.0	3,700	39.0	4,000	42.5	4,200		
150	31.5	3,300	35.5	3,500	38.0	3,700		
155	27.5	2,900	31.0	3,100	33.0	3,200		
160	22.0	2,500	25.5	2,700				
165	14.5	2,200	17.0	2,300				
Min.Bm. Ang./Cap.	0.0	900	0.0	900	0.0	1,000	0.0	1,200
Radius (ft)	166.8		166.0		162.6		156.6	







**Rated Lifting Capacities
In Pounds**



Load Radius In (ft)	Δ°	360°
35	78.0	15,600
40	76.5	15,600
45	74.5	15,600
50	73.0	15,600
55	71.5	15,600
60	70.0	15,600
65	68.0	15,600
70	66.5	15,600
75	64.5	14,700
80	62.0	13,100
85	59.5	11,900
90	57.0	10,700
95	54.5	9,600
100	52.0	8,600
105	49.0	7,800
110	46.5	7,000
115	43.5	6,300
120	40.0	5,700
125	36.5	5,100
130	33.0	4,600
135	29.0	4,100
140	24.0	3,600
145	17.0	3,200
Min.Bm. Ang./Cap.	0.0	1,100
Radius (ft)	149.0	