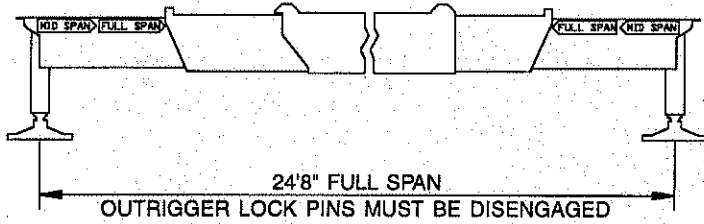


# FULL-SPAN OUTRIGGER

**18127  
127' BOOM  
31' JIB**



**NOTE:**

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.
3. Shaded areas are structurally limited capacities.

## 31 TO 127 FOOT BOOM RATED LOADS WITHOUT JIB

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	31 FT BOOM (lb)	LOADED BOOM ANGLE	55 FT BOOM (lb)	LOADED BOOM ANGLE	79 FT BOOM (lb)	LOADED BOOM ANGLE	103 FT BOOM (lb)	LOADED BOOM ANGLE	127 FT BOOM (lb)
7	74.5	80,000								
8	72.4	74,000								
10	68.2	64,000								
12	63.8	56,000	76.9	40,000						
15	56.9	43,000	73.8	38,000	79.8	29,000				
20	44.2	30,000	68.1	31,000	76.2	25,000	80	16,000		
25	27.4	22,500	62	23,400	72.5	21,500	77.2	14,500	80	10,000
30			55.5	18,300	68.5	18,700	74.4	13,000	78	9,500
35			48.6	14,800	64.3	15,100	71.5	11,500	75.9	9,000
40			40.7	12,100	59.9	12,500	68.6	10,500	73.6	8,100
45			31.3	10,100	55.3	10,400	65.9	9,500	71.2	7,200
50			19.4	8,500	50.9	8,800	62.7	8,500	68.8	6,500
55					45.8	7,500	59.3	7,500	66.3	5,800
60					40.1	6,400	55.7	6,500	63.7	5,300
65					33.6	5,400	52	5,600	61.1	4,800
70					25.6	4,600	48.1	4,700	58.4	4,300
75					13.5	3,850	43.9	3,950	55.6	3,900
80							39.3	3,350	52.6	3,400
85							34.3	2,800	49.4	2,850
90							28.4	2,300	46	2,350
95							21	1,850	42.5	1,900
100							8.2	1,500	38.8	1,550
105									34.6	1,200
110									30	900
115									24.6	650
	0	19,000	0	7,700	0	3,600	0	1,450		

### 31' JIB RATED LOADS

RADIUS FULLY EXTENDED	LOADED BOOM ANGLE	RATED LOADS ALL BOOM LENGTHS
30	80	4,000
46	75	3,800
60	70	3,300
73	65	2,800
85	60	2,300
96	55	1,800
106	50	1,350
115	45	900
120	42	650

### RATED LOAD REDUCTIONS WITH JIB

BOOM LENGTH	31' JIB STOWED	31' JIB ERECTED
31'	Reduce load 500 lb	Reduce load 1,600 lb
55'	Reduce load 300 lb	Reduce load 1,400 lb
79'	Reduce load 200 lb	Reduce load 1,300 lb
103'	Reduce load 150 lb	Reduce load 1,250 lb
127'	Reduce load 100 lb	Reduce load 1,200 lb