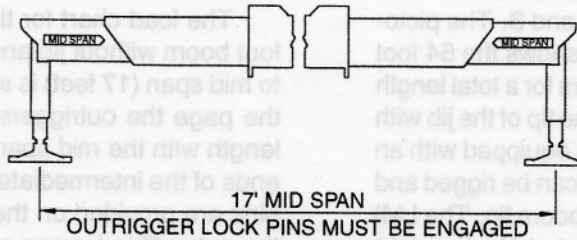


**14110
110' BOOM
30'-54' JIB**



**MID-SPAN
OUTRIGGER**

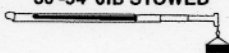
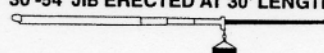
33 TO 110 FOOT BOOM RATED LOADS WITHOUT JIB

LOAD RADIUS (ft)	LOADED BOOM ANGLE	33 ft BOOM (lb)	LOADED BOOM ANGLE	A 46 ft BOOM (lb)	LOADED BOOM ANGLE	B 62 ft BOOM (lb)	LOADED BOOM ANGLE	C 78 ft BOOM (lb)	LOADED BOOM ANGLE	D 94 ft BOOM (lb)	LOADED BOOM ANGLE	110 ft BOOM (lb)
6	76.7	66,000										
8	72.8	51,700										
10	68.9	42,200	76	37,000								
12	64.9	38,400	73.4	33,400	78.2	26,900						
15	58.6	32,200	69.3	28,000	75.6	24,900	79.4	22,800				
20	46.9	18,500	62.2	21,650	70.2	19,300	74.8	17,900	78.2	14,100		
25	32.3	11,000	54.4	14,000	64.7	12,800	70.8	13,200	75.1	12,400	77.4	9,200
30			45.9	9,500	59.8	8,600	67	9,100	71.7	9,200	75.1	8,700
35			36.9	7,000	54	6,200	62.8	6,400	68.2	6,800	72.2	7,000
40			23.9	4,800	47.8	4,500	58.2	4,600	64.7	5,000	69	5,200
45					40.9	3,200	54	3,400	61	3,600	65.9	3,900
50					33.1	2,100	48.8	2,500	57.4	2,600	62.9	2,800
55					22.8	1,300	43.5	1,700	53.4	1,900	59.9	2,000
60							37.7	1,100	49.4	1,300	56.6	1,400
65							31	600	45.1	750	53.3	900
70												
75												
80												
85												
90												
95												
100												
	0	7,000	0	3,600	0	500						

30 TO 54 FOOT JIB RATED LOADS

LOAD RADIUS (ft)	LOADED BOOM ANGLE	30 ft JIB (lb)	LOADED BOOM ANGLE	54 ft JIB (lb)
30	79.1	5,050		
35	77.4	5,000	79.5	2,650
40	75.6	4,950	78.1	2,600
45	73.4	4,300	77.6	2,500
50	70.9	3,250	75	2,400
55	68.4	2,400	73.2	2,300
60	65.9	1,750	71.4	2,200
65	63.4	1,150	69	1,900
70	60.8	700	66.7	1,450
75			64.5	1,050
80			62.1	650
85				
90				
95				
100				
105				
110				
115				
120				

RATED LOAD REDUCTIONS WITH JIB

BOOM LENGTH	30'-54' JIB STOWED	30'-54' JIB ERECTED AT 30' LENGTH
33'		
33'	Reduce load 850 lb	Reduce load 2,200 lb
46'	Reduce load 600 lb	Reduce load 1,950 lb
62'	Reduce load 450 lb	Reduce load 1,850 lb
78'	Reduce load 350 lb	Reduce load 1,800 lb
94'	Reduce load 300 lb	Reduce load 1,750 lb
110'	Reduce load 250 lb	Reduce load 1,700 lb

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.
4. Handling of personnel is only permitted with full-span outriggers.