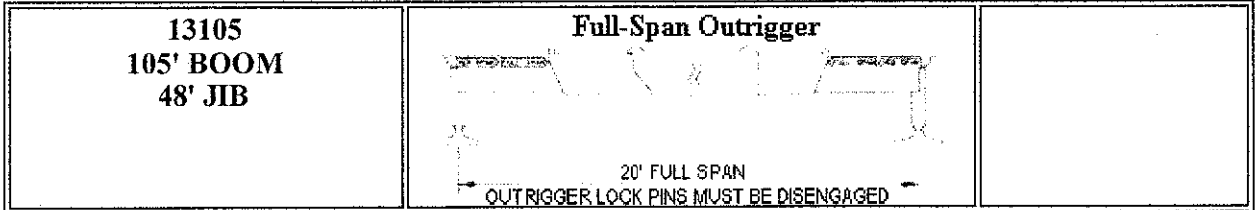


National Series 1300 Telescoping Crane

Series 13105 with 48-ft jib



**31 TO 105 FOOT BOOM RATED WITHOUT JIB**

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	31FT BOOM (LBS)	LOADED BOOM ANGLE	45FT BOOM (LBS)	LOADED BOOM ANGLE	60FT BOOM (LBS)	LOADED BOOM ANGLE	75FT BOOM (LBS)	LOADED BOOM ANGLE	90FT BOOM (LBS)	LOADED BOOM ANGLE	105FT BOOM (LBS)
5	79.4°	60,000*										
8	73.1°	38,400	79.3°	30,000								
10	68.9°	31,800	76.8°	29,100								
12	64.6°	27,300	74°	24,800	78.8°	22,300						
14	60.2°	23,700	71.2°	21,700	76.8°	19,500	80°	15,400				
16	55.6°	21,000	68.4°	19,200	74.8°	17,300	78.5°	15,000				
20	45.5°	16,700	62.6°	15,600	70.7°	14,100	75.4°	12,600	78.4°	10,800	80.2°	7,700
25	29.1°	12,200	54.8°	12,500	65.4°	11,300	71.3°	10,200	75.1°	9,000	77.8°	7,300
30			46.3°	10,200	59.8°	9,400	67.1°	8,500	71.8°	7,800	75°	6,500
35			36.1°	8,200	53.9°	7,950	63.1°	7,050	68.6°	6,500	72.2°	5,700
40			23.5°	6,100	48°	6,600	58.6°	6,100	65°	5,550	69.3°	5,000
45					40.8°	5,550	53.8°	5,250	61.3°	4,800	66.2°	4,300
50					32.2°	4,550	48.7°	4,550	57.5°	4,200	63.1°	3,800
55					20.6°	3,300	43°	3,900	53.5°	3,700	60°	3,400
60							36.7°	3,250	49.2°	3,200	56.6°	2,950
65							29.1°	2,650	44.6°	2,750	53.2°	2,650
70							18.7°	1,800	39.4°	2,200	49.5°	2,300
75									33.6°	1,800	45.5°	1,850
80									26.8°	1,400	41.2°	1,450
85									17.2°	800	36.5°	1,150
90											31.2°	850
95											24.8°	600
	0	5,200	0	2,400	0	900						

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27FT JIB (LBS)	LOADED BOOM ANGLE	48FT JIB (LBS)
30	78.6°	4,200		
35	76.5°	3,800	78.8°	2,400
40	74.4°	3,400	77.1°	2,250
45	72.1°	2,900	75.4°	2,150
50	69.8°	2,500	73.6°	2,000
55	67.4°	2,100	71.7°	1,800
60	65°	1,800	69.7°	1,650

RATED LOAD REDUCTIONS WITH JIB	
BOOM LENGTH	48' JIB STOWED
31'	Reduce load 850 lb
45'	Reduce load 600 lb
60'	Reduce load 450 lb
75'	Reduce load 350 lb
90'	Reduce load 300 lb
105'	Reduce load 250 lb

65	62.5°	1,500	67.7°	1,450
70	60°	1,300	65.6°	1,300
75	57.4°	1,100	63.4°	1,100
80	54.7°	900	61.2°	900
85	51.8°	700	59°	800
90	48.8°	500	56.7°	700
95			54.2°	550

\*See owners manual. Also the 60,000 pound load requires optional 9/16" diameter 6 x 25 IWRC cable.  
Shaded areas are structurally limited capacities

Note:

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

65	62.5°	1,500	67.7°	1,450
70	60°	1,300	65.6°	1,300
75	57.4°	1,100	63.4°	1,100
80	54.7°	900	61.2°	900
85	51.8°	700	59°	800
90	48.8°	500	56.7°	700
95			54.2°	550

\*See owners manual. Also the 60,000 pound load requires optional 9/16" diameter 6 x 25 IWRC cable.  
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Note:

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