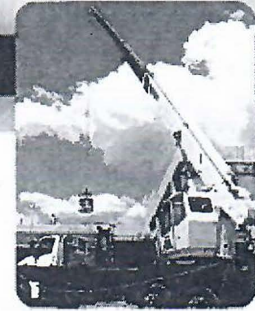
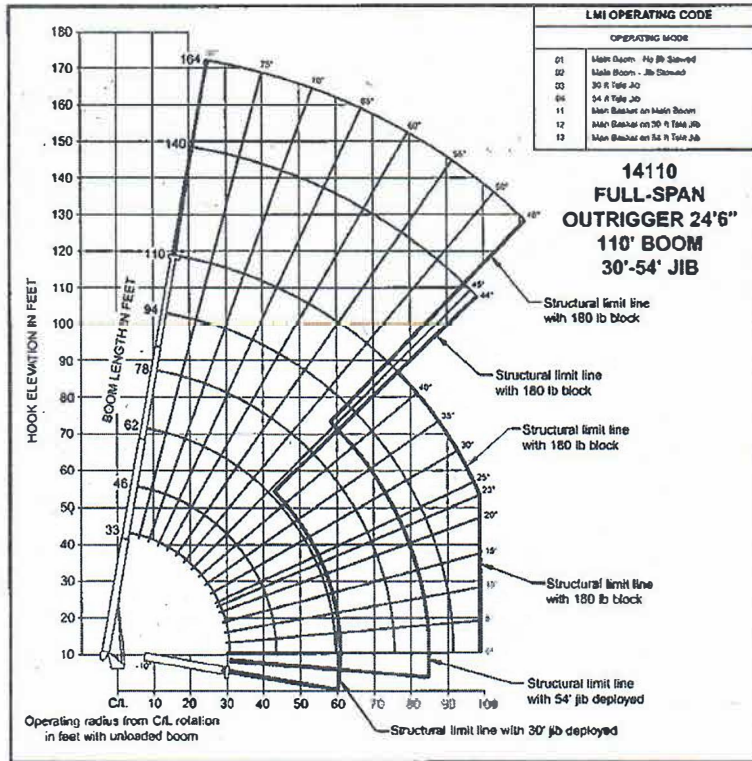


# 1400 Capacities



## Load Rating Chart: Model 14110 with 54-ft jib

Series 1400 Load Rating Charts are available for all Model 14100, 14110, and 14127 cranes. National will send you a chart by FAX or mail on request - or you may secure needed load rating information through your nearest National dealer.



### Caution:

- Do not operate crane booms, jib extensions, any accessories or loads within 10 ft (3m) of live power lines or other conductors of electricity
- Jib and boom capacities shown are maximum for each section
- Do not exceed jib-capacities at reduced radii
- Load ratings shown on the appropriate charts are maximum allowable loads with the crane mounted on a factory-approved truck and all outriggers at either full span or at mid span range and set on a firm level surface so that the crane is level and all tires are suspended.
- Always level the crane with the level indicator located on the crane
- The operator must reduce loads to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads
- Overloading this crane may cause structural collapse or instability
- Weights of any accessories attached to the boom or loadline must be deducted from the load chart capacities
- Do not deadhead lineblock against boom tip when extending boom or winching up
- Keep at least three wraps of loadline on drum at all times
- Use only specified cable with this machine

## LOAD RATINGS

Load Radius (Feet)	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	48.5	23,900	62.2	21,650	70.2	19,300	74.8	17,900	78.2	14,100		
25	33.3	17,600	54.4	17,800	64.9	16,050	71	14,550	75.1	12,400	77.4	9,200
30			46.2	15,100	59.8	13,600	67	12,300	71.9	11,200	75.1	8,700
35			36.3	12,750	54	12,050	63	10,600	68.5	9,750	72.5	8,000
40			22.9	10,100	47.8	10,450	58.7	9,300	65.5	8,550	69.6	7,200
45					41.6	8,750	54.5	7,800	61.9	7,350	67	6,400
50					33.9	7,200	49.7	6,900	58.2	6,250	63.9	5,700
55					23.6	5,600	44.5	6,000	54.4	5,500	60.8	4,700
60							38.6	4,900	50.5	4,800	57.6	4,000
65							31.9	4,000	46.3	4,200	54.4	3,400
70							23.3	3,250	41.7	3,450	51	2,700
75							8.7	2,500	36.6	2,750	47.4	2,300
80									30.7	2,250	43.6	1,800
85									23.5	1,750	39.3	1,200
90									12.5	1,250	34.7	1,000
95											29.6	800
100											23.3	600
	0	12,000	0	7,500	0	4,500	0	2,100	0	1,000		

\* Shaded areas are structurally limited capacities.

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	74.7	4,700	77.6	2,500
50	71.6	4,300	75	2,400
55	69.5	4,000	73.2	2,300
60	67.3	3,700	71.4	2,200
65	65.1	3,400	69.6	2,100
70	62.9	3,150	67.8	2,000
75	60.5	2,850	66	1,850
80	58	2,500	64.1	1,750
85	55.5	2,000	62.2	1,600
90	52.8	1,600	60.2	1,500
95	50	1,200	58	1,400
100	47.1	850	55.8	1,300
105	43.9	500	53.6	1,200
110			51.2	1,000
115			48.7	750
120			46.1	500

RATED LOAD REDUCTIONS WITH JIB		
Boom Length	30'-54' JIB STOWED	30'-54' JIB ERECTED AT 30' LENGTH
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
76'	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