

GRAND - Main NAUTILUS MODEL 7000-90

LOAD CAPACITY CHART

LOAD RADIUS (FEET)	BOOM ANGLE (DEGREES)	STATIC RATED LOAD (KIPS)	DYNAMIC RATED LOAD (KIPS)	PERSONNEL RATED LOAD (KIPS)
10	83.2	129.2	96.9	6.45
15	79.7	111.1	83.3	6.45
20	76.1	88.3	66.2	6.45
25	72.5	73.6	55.2	6.45
30	38.8	63.2	47.4	6.45
35	65.0	55.5	41.6	6.45
40	61.0	49.5	37.1	6.45
45	56.9	44.5	33.4	6.45
50	52.5	40.4	30.3	6.45
55	47.9	36.8	27.6	6.45
60	42.8	33.6	25.2	6.45
65	37.2	30.5	22.9	6.45
70	30.6	27.3	20.5	6.45
75	22.2	23.6	17.7	6.45
80	4.2	15.3	11.5	6.45

- NOTES:**
- 1. Ratings based on 10 parts of 3/4" Dyform 18 or equal wire rope.**
 - 2. Subtract weight of block and rigging from hoist capacities.**
 - 3. Auxiliary hoisted statically rated at 12,920 lbs. at all radii.**

GRAND – AUX. CRANE LOAD CHART

Crane MFG: Sun Crane
 Crane Mod: 5 Ton
 Boom Length: 50'

		LOAD HOIST STATIC			LOAD HOIST STATIC			LOAD HOIST DYMANIC	
DEGREES	RADIUS	2 PART	3 PART	4 PART	2 PART	3 PART	4 PART	STATIC	DYNAMIC
80°	8'	10,000#	10,000#	N/A	6,600#	6,600#	N/A	N/A	N/A
75°	13'	7,700#	7,700#	N/A	5,082#	5,082#	N/A	N/A	N/A
70°	18'	5,585#	5,585#	N/A	3,686#	3,686#	N/A	N/A	N/A
60°	25'	3,800#	3,800#	N/A	2,508#	2,508#	N/A	N/A	N/A
55°	30'	3,000#	3,000#	N/A	1,980#	1,980#	N/A	N/A	N/A
50°	33'	2,875#	2,875#	N/A	1,895#	1,895#	N/A	N/A	N/A
40°	38'	2,200#	2,200#	N/A	1,450#	1,450#	N/A	N/A	N/A
30°	43'	1,800#	1,800#	N/A	1,180#	1,180#	N/A	N/A	N/A
20°	46'	1,600#	1,600#	N/A	1,050#	1,050#	N/A	N/A	N/A
10°	50'	1,500#	1,500#	N/A	990#	990#	N/A	N/A	N/A