

LOAD CHART - MAIN BOOM, FULL-SPAN OUTRIGGERS

MAIN BOOM LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

LOAD RADIUS IN FEET	LOADED BOOM ANGLE	31-FT.	A 46-FT.	B 58-FT.	C 70-FT.	D 82-FT.	E 94-FT.	F 105-FT.
5	80	52,000						
6	78	44,000						
8	74	36,600	79.5	30,000				
10	70	31,000	77	27,000	80	20,000		
12	66	26,500	74.5	24,900	78	19,800		
14	61.5	20,500	72	21,800	76	17,700	79.5	18,500
16	57	18,500	69	19,500	74	16,000	77.5	16,000
18	52	15,900	66	15,800	72	14,400	76	14,800
20	47	14,300	63	12,800	69.5	11,500	74	13,400
25	30.5	10,300	55.5	11,000	64.5	9,500	69.5	10,900
30			47.5	9,300	58.5	7,950	65.5	9,000
35			37.5	8,500	52.5	6,700	60.5	7,500
40			23	6,300	45.5	5,600	55.5	6,300
45					37	4,000	50	5,300
50					26.5	3,850	44	4,600
55						37	3,800	48.5
60						28.5	2,700	43
65						15.5	2,150	37
70							30	2,150
75							20.5	1,800
80								30.5
85								23
90								
0		5,500	0	2,900	0	1,100	0	500
DEDUCTIONS FOR STOWED JIB (lbs)		850		600		450		350
		550		350		250		150

JIB LOAD RATINGS WITH FULLY EXTENDED OUTRIGGERS

26-ft FIXED LENGTH JIB			26'-45' TWO SECTION JIB			
			RETRACTED 26' JIB		EXTENDED 45' JIB	
LOAD RADIUS IN FEET	LOADED BOOM ANGLE	26-ft JIB	LOAD RADIUS IN FEET	LOADED BOOM ANGLE	26-ft JIB	45-ft JIB
30	78.5	4,400	30	78.5	4,150	
35	76.5	4,000	35	76	3,750	77
40	74	3,600	40	74	3,350	75.5
45	72	3,100	45	71.5	2,850	74
50	69.5	2,700	50	69	2,450	72
55	67	2,300	55	66.5	2,050	70
60	64.5	2,000	60	64	1,750	68
65	62	1,700	65	61.5	1,450	66
70	59	1,500	70	59	1,250	64
75	56.5	1,300	75	56	1,050	61.5
80	53.5	1,100	80	53.5	850	59.5
85	50.5	900	85	50.5	650	57
90	47.5	700	90			55
			95			52

NOTICE

- DO NOT DEADHEAD LINE BLOCK AGAINST BOOM TIP WHEN EXTENDING BOOM.
- KEEP AT LEAST 5 WRAPS OF LOADLINE ON THE WINCH DRUM AT ALL TIMES.
- USE ONLY 9/16" DIAMETER WIRE ROPE, AS SPECIFIED BELOW, WITH THE PROPER BREAKING STRENGTHS LISTED.
- ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. SEE OPERATION & SAFETY MANUAL.

1-PART LINE



2-PART LINE



3-PART LINE



4-PART LINE



5-PART LINE



6-PART LINE



ELLIOTT EQUIPMENT CO. SUPPLIED
LOADLINE EQUIPMENT DEDUCTIONS:
DOWNHAUL WEIGHT180 lbs
ONE SHEAVE BLOCK.....375 lbs
TWO SHEAVE BLOCK.....640 lbs
THREE SHEAVE BLOCK.....870 lbs
AUXILIARY SHEAVE.....100 lbs

MAX PULL: 9,060 lbs

18,120 lbs

27,180 lbs

36,240 lbs

45,300 lbs

52,000 lbs

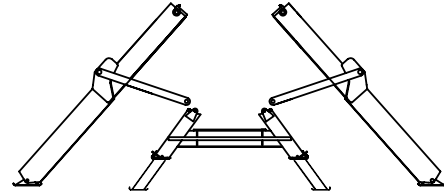
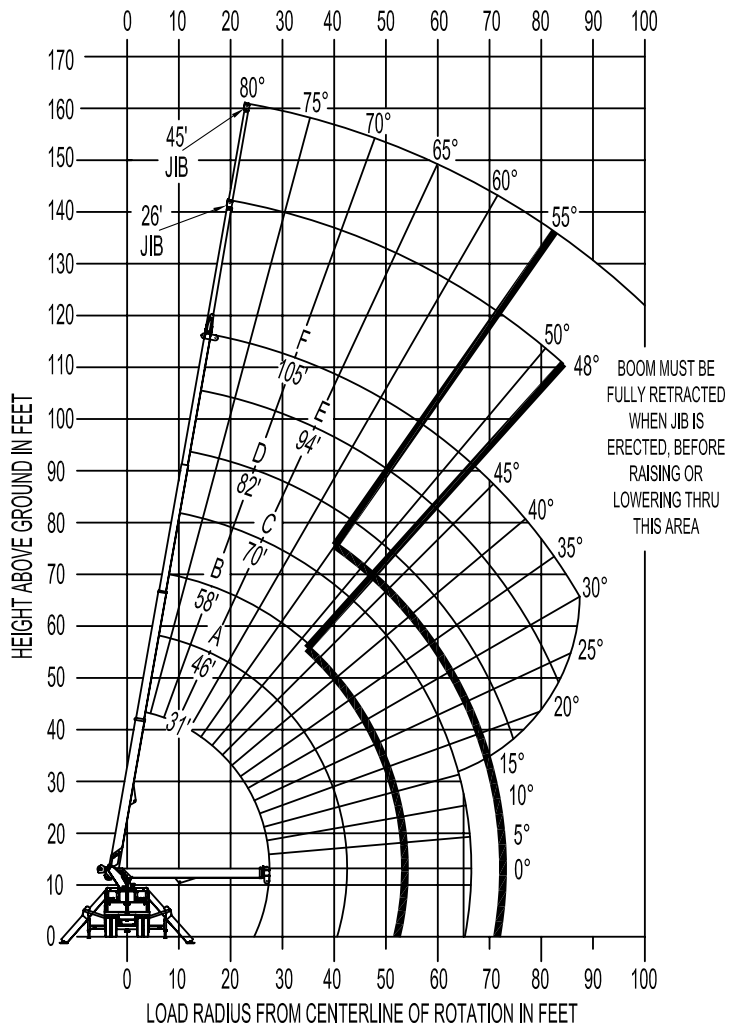
9/16" -SPIN RESISTANT 5:1 S.F.) 45,300-lbs.
BREAKING STRENGTH

CRANE MEETS ASME B30.1 REQUIREMENTS AT TIME OF MANUFACTURE

DO NOT PRINT OVER ANY LABELS 1110370 07106

RANGE CHART - MAIN BOOM + JIB , FULL-SPAN OUTRIGGERS

RANGE DIAGRAM WITH FULL SPAN OUTRIGGERS



OUTRIGGERS AT FULL EXTENSION

NOTE:

1. OPERATE JIB BY RADIUS WHEN MAIN BOOM IS FULLY EXTENDED. INCREASE BOOM ANGLE IF NECESSARY TO MAINTAIN LOAD RADIUS.
2. WHEN BOOM IS RETRACTED, OPERATE JIB BY BOOM ANGLE. DO NOT EXCEED ANY RATED JIB CAPACITIES AT REDUCED BOOM LENGTHS.
3. CAPACITIES DO NOT EXCEED 85% STABILITY.
4. PERSONNEL HANDLING IS ALLOWED ONLY WITH FULL SPAN OUTRIGGERS
5. LOAD RATINGS ABOVE BOLD LINE ARE STRUCTURALLY LIMITED.
6. BOOM LOAD RATINGS ARE BASED ON LOADED BOOM RADIUS.
7. LOADED BOOM ANGLES ARE GIVEN AS A REFERENCE ONLY.

AREA OF OPERATION

