

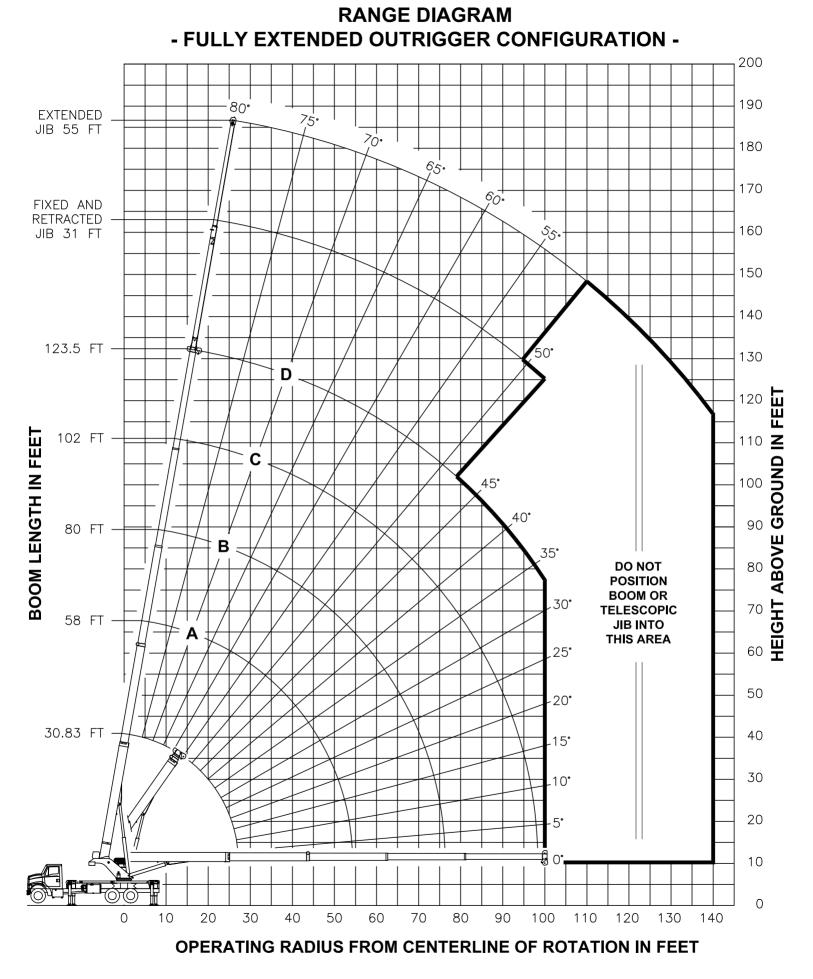
Load Rating Chart

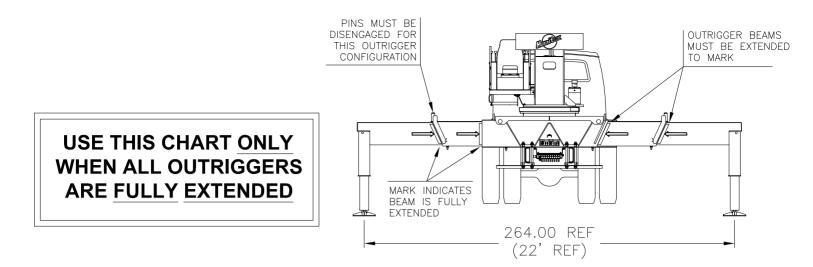
Model 40124S



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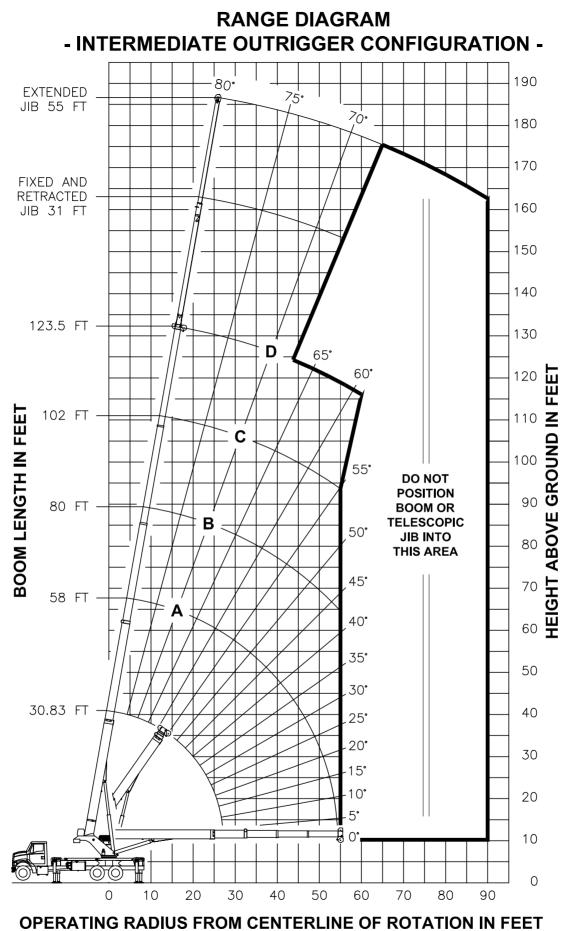
NOTE: Additional copies of this Load Rating Chart can be purchased from your Manitex Distributor. When ordering, use the part number shown in the bottom left corner of this page.



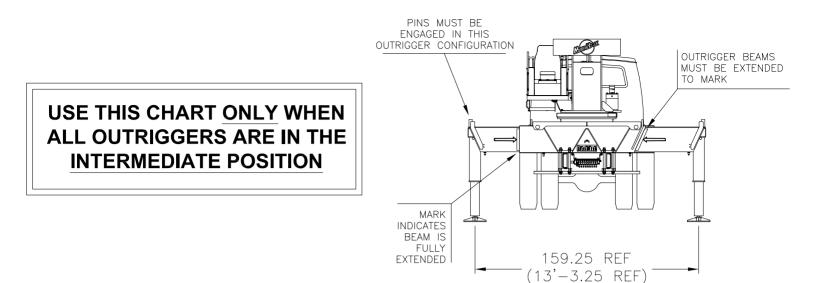


- FULLY EXTENDED OUTRIGGER CONFIGURATION -

LOAD RATINGS IN LBS WITH ALL OUTRIGGERS FULLY EXTENDED											JIB LOAD RATINGS IN LBS							
				LN	/I CO	DE #1					WITH ALL OUTRIGGERS FULLY EXTENDED							
												FIXED JIB			TELESCOPIC JIB			
0 R								4TH				LMI CODE #2		LMI CODE #3 L		LMI (LMI CODE #4	
O R P A D R A U T S I S			MAC	BASE	1ST	3RD 4TH					O R P A E D R U T S	LOO A M E A	JIB LENGTH FOR ALL BOOM LENGTHS	L B O O A M D	JIB LENGTH FOR ALL BOOM LENGTHS	L B O O A M D	JIB LENGTH FOR ALL BOOM LENGTHS	
N F G T				Α		В		С		D		E A D N	SEE	E A D N	SEE	E A D N	SEE	
	6	30.83 FT		58 FT		80 FT	6	102 FT	6	123.5 FT	N F G T	G	WARNING NOTE 4	G	WARNING NOTE 4	G	WARNING NOTE 4	
5	75	80000													NOIL 4		NOIL +	
8	69	60500											31 FT		30.5 FT		55 FT	
10	64	52550									10							
12	60	46600	75	25000							12							
15	53	39600	73	25000	79	21500					15							
20	40	30300	67	25000	75	19700	80	14500			20							
25	22	23070	62	22840	71	18200	77	13500	80	8450	25							
30			56	18670	67	16250	74	12820	78	8150	30	80	4000	79.5	3300			
35			49	14450	63	14540	71	11380	75	7800	35	78	3850	77.5	3300	79.5	2450	
40			42	11190	59	11490	68	10160	72	7280	40	76	3700	76	3300	78	2450	
45			34	8820	54	9110	65	9250	70	6780	45	74	3550	74	3300	76.5	2450	
50			23	7030	50	7340	61	7480	67	6160	50	72	3400	72	3300	75	2450	
55					44	5970	58	6110	65	5540	55	70	3250	70.5	3300	73	2450	
60					39	4880	54	5020	62	5000	60	68	3080	68.5	3300	71.5	2450	
65					32	3980	50	4130	59	4200	65	66	2910	66.5	3070	70	2420	
70					24	3230	46	3390	56	3460	70	64	2750	64.5	2750	68	2260	
75					12	2580	42	2760	53	2830	75	62	2600	62	2380	66	2110	
80							37	2220	50	2300	80	60	2460	60	2050	64.5	1940	
85							32	1750	47	1840	85	58	2260	58	1660	63	1750	
90							25	1340	43	1430	90	55	1850	55.5	1250	61	1580	
95							17	970	40	1070	95	53	1490	53	890	59	1440	
100									35	750	100	51	1170	50.5	570	57	1260	
105											105	48	880			55	970	
110											110	45	620			53	710	
	4	50 LBS	24	40 LBS	18	BO LBS	1.	40 LBS	1:	20 LBS		FIX	ED	-	DEDUCTI			
	8	40 LBS	45	50 LBS	33	30 LBS	2	60 LBS	2	10 LBS	T	ELES	COPIC		STOW	ED JIE	3	



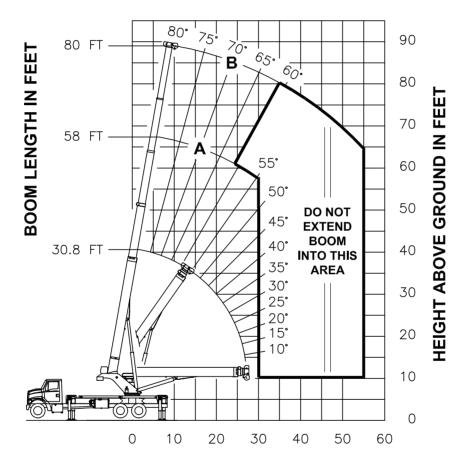
<u>NOTE</u> : LIFTING PERSONNEL WITH CRANE IN THIS OUTRIGGER CONFIGURATION IS STRICTLY PROHIBITED. USE ONLY FULLY EXTENDED OUTRIGGER CONFIGURATION WHEN LIFTING PERSONNEL.



- INTERMEDIATE OUTRIGGER CONFIGURATION -

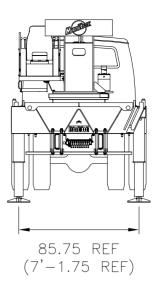
	LOAD RATINGS IN LBS WITH ALL OUTRIGGERS FULLY EXTENDED LMI CODE #9												JIB LOAD RATINGS IN LBS WITH ALL OUTRIGGERS FULLY EXTENDED						
			<u>/</u> ~									FIX	(ED JIB		TELESCO	OPIC .	ЛΒ		
OR		10,5/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ξ/	4TH						LMI CODE #10		LMI (CODE #11	E #11 LMI CODE #12				
OPERUS FT			MARY			IST					O R A D P A D R A U A U S	B O O O A M E A N	JIB LENGTH FOR ALL BOOM LENGTHS	BOOM DED D	JIB LENGTH FOR ALL BOOM LENGTHS	L B O O A M D	JIB LENGTH FOR ALL BOOM LENGTHS		
GΤ				Α		В		С		D		Ë A D N	SEE	ĒA	SEE	Ë A D N	SEE		
5	75	30.83 FT 80000		58 FT	6	80 FT	6	102 FT		123.5 FT	N F G T	G	WARNING NOTE 4	G	WARNING NOTE 4	G	WARNING NOTE 4		
8	69	60500									-	6	31 FT	6	30.5 FT	6	55 FT		
10	64	52550									10	20	0111		00.0 11	20	00 11		
12	60	46340	75	25000							12								
15	53	27730	73	25000	79	21500					15								
20	40	15230	67	16300	75	16590	80	14500			20								
25	22	9460	62	10520	71	10780	77	10920	80	8450	25								
30			56	7210	67	7450	74	7580	78	7650	30	80	4000	79.5	3300				
35			49	5050	63	5300	71	5420	75	5480	35	78	3850	77.5	3300	79.5	2450		
40			42	3540	59	3780	68	3900	72	3960	40	76	3700	76	3300	78	2450		
45			34	2410	54	2660	65	2780	70	2840	45	74	3250	74	2630	76.5	2450		
50			23	1530	50	1800	61	1910	67	1980	50	72	2370	72	1750	75	2450		
55					44	1110	58	1230	65	1290	55	70	1680	70.5	1060	73	1800		
60									62	730	60	68	1110			71.5	1220		
65											65	66	640			70	740		
	450 LBS 840 LBS				20 LBS 10 LBS	Т	FIXED TELESCOPIC			DEDUCTIONS FOR STOWED JIB									

RANGE DIAGRAM - FULLY RETRACTED OUTRIGGER CONFIGURATION -



OPERATING RADIUS FROM CENTERLINE OF ROTATION IN FEET

NOTE : LIFTING PERSONNEL WITH CRANE IN THIS OUTRIGGER CONFIGURATION IS STRICTLY PROHIBITED. USE ONLY FULLY EXTENDED OUTRIGGER CONFIGURATION WHEN LIFTING PERSONNEL.

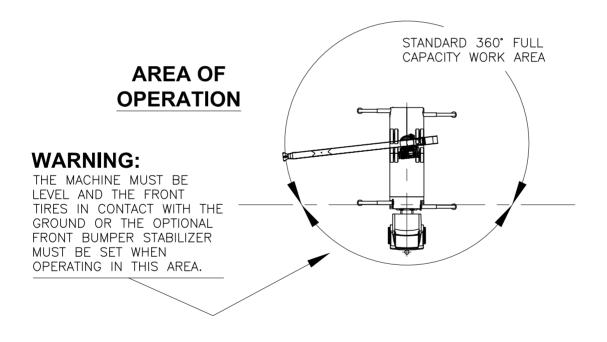


USE THIS CHART ONLY WHEN ALL OUTRIGGERS ARE FULLY RETRACTED

-FULLY RETRACTED OUTRIGGER CONFIGURATION-

		ATINGS IN LBS	WITH ALL LMI COE	OUTRIGGERS I DE #13			
O R A D I R A D I R A U S T S	00 00 00 00 00 00 00 00 00 00 00 00 00	C.C.L. C.L.	LO CH BASI				
I N F G T				Α		В	
6 1	6	30.8 FT		58 FT		80 FT	NO JIBS ARE TO
5	75	80000					BE ERECTED IN
8	69	33420					THIS OUTRIGGER
10	64	21320					CONFIGURATION
12	60	14960	75	15960			
15	53	9570	73	10480	79	10740	
20	40	4930	67	5800	75	6030	
25	22	2390	62	3290	71	3510	
30			56	1730	67	1950	
35					63	870	
							11
	45	O LBS	24	0 LBS	18	0 LBS	DEDUCTIONS FOR STOWED JIBS

	WARNING							
1 PART LINE	2 PART LINE	3 PART LINE	4 part Line	5 PART LINE	6 PART LINE	7 PART LINE	8 part Line	
	SINGLE SHEAVE	Co DI E Co O SINGLE SHEAVE	3-SHEAVE BLOCK	Ge o De Erre Co 3-SHEAVE	Ge ob Contraction of	3-SHEAVE AUXILIARY BLOCK BLOCK	Co A-SHEAVE A-SHEAVE BLOCK BLOCK	ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO THE OWNER'S MANUAL. KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.
9500 LBS	19000 LBS	28500 LBS	38000 LBS	47500 LBS	57000 LBS	66500 LBS	76000 LBS	5/8" ROT RESISTANT (5.0:1 SF) – 47500 LBS MIN BREAKING STRENGTH
10000 LBS	20000 30000 40000 LBS LBS LBS		50000 LBS	60000 LBS	70000 LBS	80000 LBS	5/8" 6 X 25 IWRC (3.5:1 SF) – 35000 LBS MIN BREAKING STRENGTH	



DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

AUXILIARY BLOCK 50 LBS
OVERHAUL BALL
LOAD BLOCK SEE BLOCK MANUFACTURER NAMEPLATE
HOSE REEL 260 LBS
SWING AROUND JIB (STOWED) SEE LOAD CHART

LMI OPERATING CODES

SETTING CRANE CONFIGURATION	UTRIGGER CONFIGURATION
#1— MAIN BOOM — — — — — — — — — — — — — — — — — —	- FULLY EXTENDED - FULLY EXTENDED
#5—— PERSONNEL LIFTING PLATFORM ON MAIN BOOM——————— #6—— PERSONNEL LIFTING PLATFORM ON FIXED JIB———————— #7—— PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB–RETRACTED——— #8—— PERSONNEL LIFTING PLATFORM ON TELESCOPIC JIB–EXTENDED———	- FULLY EXTENDED - FULLY EXTENDED
#9— MAIN BOOM — — — — — — — — — — — — — — — — — —	– INTERMEDIATE – INTERMEDIATE
#13 — MAIN BOOM — — — — — — — — — — — — — — — — — —	- FULLY RETRACTED

WARNING

- 1. THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
- 2. POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN OWNER'S MANUAL.
- 3. LOADED BOOM ANGLES AT SPECIFIED BOOM LENGTHS GIVE ONLY AN APPROXIMATION OF THE OPERATING RADIUS. THE BOOM ANGLE BEFORE LOADING SHOULD BE GREATER TO ACCOUNT FOR DEFLECTIONS. DO NOT EXCEED THE OPERATING RADIUS FOR RATED LOADS.
- 4. THE OPERATING RADIUS SHOWN IN THE JIB RATING CHART IS FOR FULLY EXTENDED BOOM ONLY. WHEN BOOM IS NOT FULLY EXTENDED, USE ONLY LOADED BOOM ANGLE TO DETERMINE LOAD RATING OF JIB.
- 5. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
- 6. FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT SHORTER OR LONGER BOOM LENGTH, WHICHEVER IS LESS. FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
- 7. CRANE LOAD RATINGS ON OUTRIGGERS ARE BASED ON FREELY SUSPENDED LOADS WITH THE MACHINE LEVELED AND STANDING ON A FIRM UNIFORM SUPPORTING SURFACE. NO ATTEMPT SHALL BE MADE TO MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.

WARNING (CONTINUED)

- 8. PRACTICAL WORKING LOADS DEPEND ON SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, EXPERIENCE OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.
- 9. THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LIMITED BY HYDRAULIC PRESSURE, BOOM ANGLE, AND BOOM LUBRICATION. IT IS SAFE TO ATTEMPT TO TELESCOPE ANY LOAD WITHIN THE LIMITS OF THE LOAD RATING CHART.
- 10. LIFTING OFF THE MAIN BOOM POINT WHILE THE SWING AROUND JIB IS ERECTED IS NOT INTENDED OR APPROVED.

INFORMATION

- 1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOAD BLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
- 2. LOAD RATINGS ABOVE THE HEAVY LINE ARE STRUCTURALLY LIMITED CAPACITIES. LOAD RATINGS BELOW THE HEAVY LINE ARE STABILITY LIMITED CAPACITIES AND DO NOT EXCEED 85% OF TIPPING.

DEFINITIONS

- 1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.
- 2. LOADED BOOM ANGLE AS SHOWN IN THE COLUMN HEADED BY \measuredangle , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.