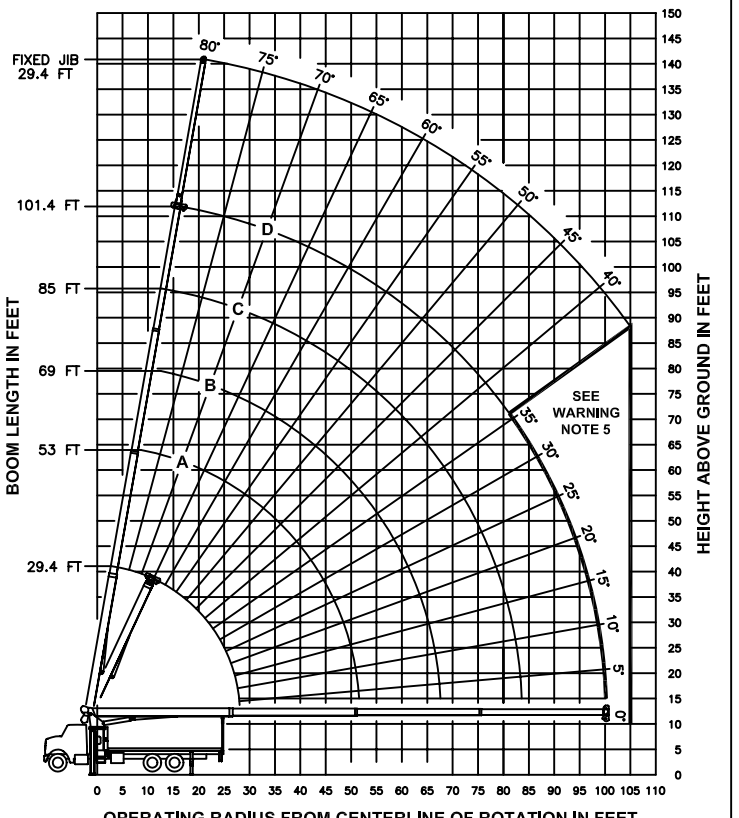
RANGE DIAGRAM



LMI OPERATING CODES

SETTING	CRANE CONFIGURATION	SETTING	CRANE WITH PERSONNEL LIFTING PLATFORM
#1---	MAIN BOOM	#5---	PERSONNEL LIFTING PLATFORM ON MAIN BOOM
#2---	FIXED JIB	#6---	PERSONNEL LIFTING PLATFORM ON FIXED JIB

ALLOWABLE LINE PULL

1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	7 PART LINE	
OVERHAUL BALL	SINGLE SHEAVE BLOCK	SINGLE SHEAVE BLOCK	TRIPLE SHEAVE BLOCK	AUXILIARY BLOCK, TRIPLE SHEAVE BLOCK	AUXILIARY BLOCK, TRIPLE SHEAVE BLOCK	AUXILIARY BLOCK, AUXILIARY SHEAVE, TRIPLE SHEAVE BLOCK	
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	52000 LBS	9/16" 6X25 IWRC (3.5:1 SF) – 29750 LBS MIN BREAKING STRENGTH
7400 LBS	14800 LBS	22200 LBS	29600 LBS	37000 LBS	44400 LBS	51800 LBS	9/16" ROT RESISTANT (5.0:1 SF) – 37000 LBS MIN BREAKING STRENGTH

WARNING

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.

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX.

AUXILIARY BLOCK	50 LBS
AUXILIARY SHEAVE	50 LBS
OVERHAUL BALL	SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK	SEE BLOCK MFGR. NAMEPLATE
HOSE REEL	140 LBS
SWING AROUND JIB	SEE LOAD CHART

WARNING

LIFTING OFF THE MAIN BOOM POINT WHILE THE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LMI CODE #1

OPERATING RADIUS FT	LOADED BOOM ANGLE ∠	BOOM LENGTH AND MARKER	A		B		C		D	
			∠	29.44 FT	∠	53 FT	∠	69 FT	∠	85 FT	∠	101.44 FT
5	80		52000									
8	74		37390									
10	70		31750									
12	66		27740	78	14000							
14	61		24720	76	14000	80	14000					
17	54		21200	72	14000	78	12880					
20	46		18030	69	13700	75	11430	79	8920			
25	29		14120	63	11070	71	9460	75	8000	79	6000	
30				56	9170	66	8210	72	7070	76	5500	
35				49	7850	61	6970	68	6130	73	4980	
40				41	6120	56	5980	65	5320	70	4490	
45				31	4890	51	5020	61	4640	67	4000	
50				17	3950	45	4090	57	4070	64	3580	
55						38	3370	52	3440	61	3200	
60						30	2790	47	2860	57	2850	
65						19	2310	42	2390	54	2430	
70								36	1990	50	2040	
75								29	1650	45	1700	
80								20	1360	41	1420	
85										36	1160	
90										30	950	
95										22	750	
100										3	570	
105												
	340 LBS.			190 LBS.		150 LBS.		120 LBS.		100 LBS.		

JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED

LMI CODE #2

OPERATING RADIUS FT	LOADED BOOM ANG ∠	29 FT JIB FOR ALL BOOM LENGTHS SEE WARNING NOTE 4 — RATED LOAD IN POUNDS
8		
10		
12		
14		
17		
20		
25		
30	80	3000
35	78	2840
40	76	2620
45	73	2420
50	71	2230
55	69	2020
60	67	1840
65	64	1670
70	62	1520
75	59	1380
80	56	1230
85	53	1080
90	50	950
95	47	830
100	44	690
105	40	530
DEDUCTIONS FOR STOWED JIB		

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. BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU THIS AREA.
6. FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
7. FOR BOOM LENGTHS NOT SHOWN, USE RATING OF NEXT LONGER BOOM LENGTH. FOR RADII NOT SHOWN, USE RATING OF NEXT LONGER RADIUS.
8. 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.
9. 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.
10. 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. BOOM MUST BE FULLY RETRACTED AGAINST BOOM STOPS AT ALL TIMES WHEN LIFTING MINIMUM BOOM LENGTH CAPACITY LOADS.

INFORMATION

1. DEDUCTIONS MUST BE MADE FROM RATED LOADS FOR STOWED JIB, OPTIONAL ATTACHMENTS, HOOKS, AND LOADBLOCKS (SEE DEDUCTION CHART). WEIGHTS OF SLINGS AND ALL OTHER LOAD HANDLING DEVICES SHALL BE CONSIDERED A PART OF THE LOAD.
2. CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH MACHINE LEVELED.
3. 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

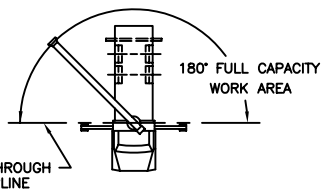
1. OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF THE VERTICAL HOIST LINE OR TACKLE WITH LOAD APPLIED.
2. LOADED BOOM ANGLE AS SHOWN IN THE COLUMN HEADED BY ∠ IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED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

Manitex

MODELS
26101C & 26101T

CRANE MEETS ANSI B30.5 REQUIREMENTS

7300088–001 NR



AREA OF OPERATION