





ETTING CRANE CONFIGURATION	SETTING CRANE WITH PERSONNEL LIFTING PLATFORM
#1 MAIN BOOM #2 FIXED JIB #3 TELESCOPIC JIB-RETRACTED #4 TELESCOPIC JIB-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

ALLOWABLE LINE PULL 1 PART LINE 2 PART LINE 3 PART LINE 4 PART LINE 5 PART LINE 6 PART LINE WARNING												
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	5 PART LINE	1177771777						
GEO ULD GEO OVERHAUL GEO	SWGE SHONE	SANCE SHEAVE BLOCK	GOOD GOOD THE STANE	ANYTHORY SHOWS THAW THAT THAT THAT THAT THAT THAT THAT	BLOCK BLOCK BLOCK	ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL. KEEP AT LEAST 3 WRAPS OF LOAD LINE ON DRUM AT ALL TIMES.						
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	50000 LBS	9/16" - 6X25 IWRC (3.5:1 S.F.) 29750 LBS. MIN BREAKING STRENGTH						
7400 LBS	14800 LBS	22200 LBS	29600 LBS	37000 LBS	44400 LBS	9/16" ROT RESISTANT (5.0:1 S.F.) 37000 LBS. MIN BREAKING STRENGTH						

DEDUCTIONS FROM RATED LOADS FOR MANITEX SUPPLIED LOAD HANDLING AUXILIARY BLOCK	LBS LBS LBS LBS
SWING AROUND JIB (STOWED)	

П	\cup	LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED											JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED							
П		_			D	II CO	DE #1						FI	FIXED JIB TELES			OPIC JIB			
11	0 P	0 P / 0 &/ /										LMI	CODE #2	LMI	CODE #3	LMI	CODE #4			
	DO R STORY OF THE									OPERAT	TOWER AN	JIB LENGTH FOR ALL BOOM LENGTHS	TO WOOM	JIB LENGTH FOR ALL BOOM LENGTHS	UMU≻O F K> K OOW	JIB LENGTH FOR ALL BOOM LENGTHS SEE				
Н	ÑF	Z	28 FT	6	47 FT	6	62 FT	6	77 FT	4	92 FT	N F	₽Ÿ	WARNING WARNING	ĎÑ	SEE WARNING NOTE 4	P Z	WARNING NOTE 4		
Н	5	79	50000									GT	تا	NOTE 4			ب			
l	8	72	37800										4	26 FT	<u> 4</u>	26 FT	4	46 FT		
H	10	68	32000	78	20500			Ш				10					<u> </u>			
l	12	63	27720	75	20500	79	20500					12			_		\vdash			
Ш	15	56	23090	71	20500	77	18300	80	15000			15					_			
Ш	20	42	17240	65	15960	72	14800	76	12700	79	9900	20	_							
H	25	21	12550	58	12930	67	11980	72	10900	76	8680	25	79	5500	79	5300				
Ш	30			50	9990	62	10060	68	9250	73	7740	30	77	5000	77	4850	79	3400		
Ш	35			41	7960	56	8070	64	7970	70	6760	35	75	4610	75	4350	77	3300		
I	40			30	6470	50	6590	60	6650	66	5920	40	72	4160	72	3900	76	3200		
ı	45					43	5460	55	5520	63	5230	45	70	3750	70	3480	74	3040		
l	50					36	4570	50	4630	59	4630	50	67	3380	67	3110	72	2780		
li	55					26	3840	45	3910	55	3950	55	65	3070	65	2800	69	2520		
П	60			\Box				39	3320	51	3360	60	62	2790	62	2500	67	2280		
П	65							32	2760	46	2810	65	59	2530	59	2250	65	2070		
Ш	70							24	2290	42	2340	70	56	2270	56	1970	62	1880		
Ш	75						Ī			36	1940	75	53	2030	53	1720	60	1710		
H	80									30	1600	80	50	1720	50	1430	58	1550		
I	85									22	1300	85	46	1420	46	1130	55	1420		
l	90			Γ								90	42	1160	42	870	52	1280		
ı	95					l						95	38	930	38	630	49	1080		
ı	100					Γ_						100			<u> </u>		46	870		
١	105				T							105			<u> </u>	1	43	680		
ı		460 LBS. 270 LBS. 210 LBS. 170 LBS. 140 LBS.										DEDUCTIONS FOR STOWED FIXED JIB								
ı		690 LBS. 410 LBS. 310 LBS. 250 LBS. 210 LBS.									DEDUCTIONS FOR STOWED TELESCOPIC JIB									

- THE OPERATOR MUST READ AND UNDERSTAND THE OWNER'S MANUAL BEFORE OPERATING THIS CRANE.
- POSITIONING OR OPERATION OF CRANE BEYOND AREAS SHOWN ON THIS CHART IS NOT INTENDED OR APPROVED EXCEPT WHERE SPECIFIED IN OWNER'S MANUAL.
- 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.
- THE OPERATING RADIUS FOR RATED LIDAUS.

 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.
- BOOM MUST BE FULLY RETRACTED WHEN JIB IS ERECTED, BEFORE LOWERING BOOM THRU THIS AREA.
- FOR BOOM ANGLES NOT SHOWN ON JIB LOAD RATING CHART, USE RATING OF NEXT LOWER BOOM ANGLE.
- 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.
- 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.
- MOVE A LOAD HORIZONTALLY ON THE GROUND IN ANY DIRECTION.

 PRACTICAL WORKING LOADS DEPEND ON SUPPORTING SURFACE, WIND, AND OTHER FACTORS AFFECTING STABILITY SUCH AS HAZARDOUS SURROUNDINGS, DEPENDING OF PERSONNEL, AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.

 ALL OF WHICH MUST BE TAKEN INTO ACCOUNT BY THE OPERATOR.

 THE MAXIMUM LOAD WHICH MAY BE TELESCOPED IS LUMITED 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.

- 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.
- CRANE LOAD RATINGS WITH OUTRIGGERS ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH MACHINE LEVELED.
- MACHINE LEVELEU.

 3. LOAD RATINGS ABOVE THE HEAVY LINE ARE STRUCTURALLY LIMITED CAPACITIES.
 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.
 - LOADED BOOM ANGLE AS SHOWN IN THE COLUMN HEADED BY A., IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.



CRANE MEETS ANSI B30.5 REQUIREMENTS

DWG NO. 7300035-007 (A)

