

LOAD RATINGS IN LBS WITH OUTRIGGERS AND STABILIZERS EXTENDED										JIB LOAD RATINGS WITH OUTRIGGERS AND STABILIZERS EXTENDED					
LMI CODE #1										FIXED JIB		TELESCOPIC JIB			
OPERATING RADIUS IN FT	LOADED BOOM ANGLE BOOM LENGTH AND MARKER		A		B		C		D		OPERATING RADIUS IN FT	LMI CODE #2	LMI CODE #3	LMI CODE #4	
			30.5 FT	52 FT	68 FT	84 FT	100 FT					BOOM ANGLE FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM ANGLE FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM ANGLE FOR ALL BOOM LENGTHS SEE WARNING NOTE 4	BOOM ANGLE FOR ALL BOOM LENGTHS SEE WARNING NOTE 4
5.5	80	60000									10				
8	75	45200									12				
10	71	38700									15				
12	67	33800	78	27100							20				
15	61	28600	74	25200	79	23300					25				
20	48	22500	68	19800	74	18320	78	17040	80	14000	30	79	6700	79	6400
25	32	16970	62	16220	70	14940	74	13940	78	12260	35	76	6200	76	5850
30			55	13660	65	12580	71	11650	75	10680	40	74	5630	74	5250
35			48	11140	60	10850	67	10050	72	9280	45	72	5060	72	4670
40			39	8650	55	8790	63	8700	69	8110	50	70	4560	70	4160
45			28	6750	49	6910	59	7030	65	7080	55	67	4130	67	3710
50					43	5500	55	5630	62	5700	60	65	3730	65	3300
55					36	4400	50	4530	59	4610	65	63	3300	63	2860
60					27	3530	46	3650	55	3740	70	60	2710	60	2300
65					12	2790	40	2950	51	3030	75	57	2200	57	1800
70							34	2350	47	2440	80	55	1760	55	1370
75							27	1850	43	1940	85	52	1390	52	990
80							15	1410	38	1510	90	49	1060	49	660
85									33	1130	95	46	770		
90									26	800	100				
95															
100															
600 LBS			350 LBS	270 LBS	220 LBS	180 LBS	DEDUCTIONS FOR STOWED FIXED JIB								
900 LBS			530 LBS	400 LBS	330 LBS	290 LBS	DEDUCTIONS FOR STOWED TELESCOPIC JIB								

ALLOWABLE LINE PULL						<h1>WARNING</h1> <p>ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.</p> <p>KEEP AT LEAST 3 WRAPS OF LOAD LINE ON DRUM AT ALL TIMES.</p> <p>5/8" ROT RESISTANT (5.0:1 S.F.) 45400 LBS. MIN BREAKING STRENGTH</p> <p>5/8" - 6 X 25 IWRC (3.5:1 S.F.) 35000 LBS. MIN BREAKING STRENGTH</p>
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	
9080 LBS	18160 LBS	27240 LBS	36320 LBS	45400 LBS	54480 LBS	
10000 LBS	20000 LBS	30000 LBS	40000 LBS	50000 LBS	60000 LBS	

WARNING

- 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 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 THE 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.
- 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.
- 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.

INFORMATION

- 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 ARE BASED ON OUTRIGGERS AND STABILIZERS EXTENDED AND SET WITH MACHINE LEVELED.
- 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

- 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 \angle , IS THE INCLUDED ANGLE BETWEEN THE HORIZONTAL AND LONGITUDINAL AXES OF THE BOOM BASE AFTER LIFTING RATED LOAD AT RATED RADIUS.

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITOWOC BOOM TRUCKS, INC.

AUXILIARY BLOCK ----- SEE OVERHAUL BALL MFG. NAMEPLATE 50 LBS
OVERHAUL BALL -----
LOAD BLOCK ----- SEE BLOCK MFG. NAMEPLATE
HOSE REEL ----- 260 LBS
SWING AROUND JIB ----- SEE LOAD CHART

WARNING

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

DS-50 LMI OPERATING CODES

SETTING CRANE CONFIGURATION

- #1--- MAIN BOOM
#2--- FIXED JIB
#3--- TELESCOPIC JIB-RETRACTED
#4--- TELESCOPIC JIB-EXTENDED

SETTING CRANE WITH PERSONNEL LIFTING PLATFORM

- #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

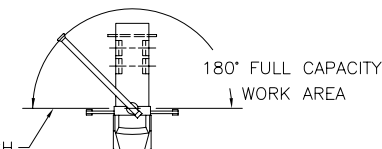
NOTE: CODES DO NOT APPLY FOR DS-150 LMI SYSTEMS, SEE OPERATOR CONSOLE FOR PROPER CONFIGURATION SETTINGS.



Boom Trucks

MODELS 30100C & 30100T

CRANE MEETS ANSI B30.5 REQUIREMENTS
7300055-008 NR



LINE THROUGH
CENTERLINE
OF ROTATION

AREA OF OPERATION