

# MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



## WIRE ROPE SPECIFICATIONS

# M-1200

**LIFT CRANE - JIB NO. 75 ON  
BOOM NO. 72 OR NO. 72A**

WIRE ROPE LENGTHS - SINGLE DRUM					
BOOM AND JIB LENGTH		HOIST LINE REAR RINGER DRUM		MAXIMUM PARTS OF LINE	MAXIMUM PARTS OF LINE FOR FULL HOISTING RANGE
FT.	METERS	FT.	METERS		
303	92.4	6500	1981	32	20
328	100.0	6500	1981	32	16
353	107.6	6500	1981	32	16
378	115.2	6500	1981	32	12
403	122.8	6500	1981	28	12
428	130.5	6500	1981	24	12
453	138.1	6500	1981	24	12

**NOTE:** ABOVE HOIST LINE LENGTHS ARE BASED ON SINGLE PART LEAD LINE. 32 PARTS OF LINE ARE MAXIMUM ALLOWED USING SINGLE DRUM. CHART CAPACITIES WILL BE REDUCED DUE TO REDUCED PARTS OF LINE. HOISTING DISTANCE WILL BE RESTRICTED USING MAXIMUM PARTS OF LINE.

HOIST REEVING FOR MAIN JIB BLOCK - SINGLE DRUM							
NO. PARTS OF LINE	8	12	16	20	24	28	32
MAXIMUM LOAD-LBS.	455,000	655,000	820,000	1,020,000	1,280,000	1,520,000	1,764,000
MAXIMUM LOAD-kg	206,380	297,100	371,950	462,660	580,600	689,460	800,000
HOIST LINE: 1-5/8" (42 mm) - 6 X 41 WARRINGTON-SEALE, EXTRA IMPROVED PLOW STEEL REGULAR LAY, IWRC. (MEC PART NO. 719366) MINIMUM BREAKING STRENGTH 264,000 LBS. (119,750 kg) APPROX. WEIGHT = 4.88 LBS. PER FT. (7.26 kg/m)							

MAXIMUM SPOOLING CAPACITIES	
REAR RINGER DRUM: (HOIST LINE)	1-5/8" (42 mm) WIRE ROPE - 12 LAYERS - 6,544' (1,995m) 11 LAYERS - 6,309' (1,923m) WITH 32-1/2" (826 mm) DIA. LAGGING
FRONT RINGER DRUM: (HOIST LINE)	1-5/8" (42 mm) WIRE ROPE - 12 LAYERS - 6,544' (1,995m) 11 LAYERS - 6,309' (1,923m) WITH 32-1/2" (826 mm) DIA. LAGGING
AUX. RINGER DRUM: (WHIP LINE)	1-1/8" (29 mm) WIRE ROPE - 8 LAYERS - 3,522' (1,074m)
27' (8m) IS DEDUCTED FROM MAXIMUM SPOOLING CAPACITIES FOR 3 DEAD WRAPS PER DRUM OR LAGGING.	

REFER TO DRUM AND LAGGING CHART NO. 7684-A.