

# MANITOWOC ENGINEERING CO.

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



## WIRE ROPE SPECIFICATIONS

# M-1200

**LIFT CRANE - BOOM NO. 75A - MAST NO. 75 OR NO. 75A  
JIB NO. 49A-44 WITH HEAVY LIFT TOP ATTACHED**

WIRE ROPE LENGTHS				
BOOM LENGTH		HOIST LINE FRONT RINGER DRUM		MAXIMUM PARTS OF LINE
FT.	METERS	FT.	METERS	
150	45.7	5000	1524	32
175	53.3	5200	1585	28
200	61.0	5900	1798	28
225	68.6	5900	1798	24
250	76.2	5900	1798	20
275	83.8	5900	1798	20
300	91.4	5900	1798	16
325	99.1	5900	1798	12
350	106.7	5900	1798	12

**NOTE:** ABOVE HOIST LINE LENGTHS ARE BASED ON SINGLE PART LEAD LINE. HOIST LINE LENGTHS WILL ALLOW HOOK TO TOUCH GROUND. WHEN BLOCK TRAVEL BELOW GROUND IS REQUIRED, ADD ADDITIONAL ROPE EQUAL TO PARTS OF LINE TIMES ADDED TRAVEL DISTANCE. HOISTING DISTANCE OR LINE PULL MAY BE LIMITED WHEN BLOCK TRAVEL BELOW GROUND IS REQUIRED.

HOIST REEVING FOR MAIN LOAD BLOCK								
NO. PARTS OF LINE	4	8	12	16	20	24	28	32
MAXIMUM LOAD-LBS.	235,000	455,000	655,000	820,000	1,020,000	1,280,000	1,520,000	1,617,400
MAXIMUM LOAD-kg	106,590	206,380	297,100	371,950	462,660	580,600	689,460	733,600

WIRE ROPE SPECIFICATIONS	
HOIST LINE:	1-5/8" (42 mm) - 6 X 41 WARRINGTON-SEALE, EXTRA IMPROVED PLOW STEEL REGULAR LAY, IWRC. (MCC PART NO. 719366) MINIMUM BREAKING STRENGTH 264,000 LBS. (119,750 kg) APPROX. WEIGHT = 4.88 LBS. PER FT. (7.26 kg/m)
	OR
	1-5/8" (42 mm) - BRIDON DYFORM - 34LR - 1 960 N/mm <sup>2</sup> WIRE ROPE RIGHT HAND REGULAR LAY (MCC PART NO. 719404) MINIMUM BREAKING STRENGTH 324,520 LBS. (147,200 kg) APPROX. WEIGHT = 5.30 LBS. PER FT. (7.89 kg/m)

MAXIMUM SPOOLING CAPACITIES	
FRONT RINGER DRUM:	1-5/8" (42 mm) WIRE ROPE - 12 LAYERS - 6,544' (1,995m)
(HOIST LINE)	11 LAYERS - 6,309' (1,923m) WITH 32-1/2" (826 mm) DIA. LAGGING
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.