

MANITOWOC ENGINEERING CO.

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



WIRE ROPE SPECIFICATIONS

M-1200

LIFT CRANE - JIB NO. 182 - BOOM NO. 72A - MAST NO. 75A

WIRE ROPE LENGTHS - TANDEM DRUMS						
BOOM AND JIB LENGTH		HOIST LINE REAR RINGER DRUM		HOIST LINE FRONT RINGER DRUM		TOTAL MAXIMUM PARTS OF LINE
		FT.	METERS	FT.	METERS	
253	77.1	6000	1829	6000	1829	44
278	84.7	6000	1829	6000	1829	40
303	92.4	6500	1981	6500	1981	40
328	100.0	7000	2134	7000	2134	40
353	107.6	7000	2134	7000	2134	36

NOTE: ABOVE HOIST LINE LENGTHS ARE BASED ON TANDEM DRUMS BOTH REEVED TO MAIN LOAD BLOCK. EACH DRUM IS DEAD ENDED IN MAIN LOAD BLOCK REEVING. TOTAL PARTS OF LINE REQUIRES BOTH RINGER DRUMS. 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 - TOTAL FOR BOTH DRUMS							
NO. PARTS OF LINE	20	24	28	32	36	40	44
MAXIMUM LOAD-LBS.	1,140,000	1,350,000	1,570,000	1,764,000	1,990,000	2,250,000	2,304,900
MAXIMUM LOAD-kg	517,100	612,350	712,140	800,000	902,650	1,020,580	1,045,400
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)							

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.