

# MANITOWOC ENGINEERING CO.

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



## WIRE ROPE SPECIFICATIONS \_\_\_\_\_ 4600 SERIES 3

CLAMSHELL, GRAPPLE  
BOOM NO. 27 WITH OPEN THROAT TOP

WIRE ROPE LENGTHS					
BOOM LENGTH		FRONT DRUM HOLDING LINE		REAR DRUM CLOSING LINE	
FT.	METERS	FT.	METERS	FT.	METERS
80	24.4	225	69	320	98
90	27.4	245	75	340	104
100	30.5	265	81	355	108
120	36.6	305	93	395	120
140	42.7	340	104	435	133

LENGTHS ARE BASED ON A 65 DEGREE BOOM ANGLE, 40' (12m) DIGGING DEPTH, AND 90' (27m) FOR REEVING BUCKET.

MAXIMUM DUMPING HEIGHT FROM GROUND LEVEL TO BOTTOM OF BUCKET FOR CRAWLER MOUNTED MACHINES IS 47' (14m) WHEN EQUIPPED WITH 34-1/2" (876 mm) DRUMS; 65' (20m) FOR 80' (24.4m) OF BOOM AND 75' (23m) FOR 100' (30.5m) THRU 140' (42.7m) OF BOOM WHEN EQUIPPED WITH 41" (1041 mm) LAGGINGS.

NOTE: DISTANCE FROM BOTTOM OF ROLLER PATH TO BOTTOM OF CRAWLERS IS 4' (1m). THIS MUST BE TAKEN INTO ACCOUNT FOR PEDESTAL MOUNTED MACHINES.

CLOSING LINE: 1-1/2" (38 mm) - 6 X 41 SEALE FILLER WIRE, EXTRA IMPROVED PLOW STEEL, LANG LAY, IWRC. MINIMUM BREAKING STRENGTH 228,000 LBS. (103 420 kg).

HOLDING LINE: 1-1/2" (38 mm) - 6 X 41 SEALE FILLER WIRE, EXTRA IMPROVED PLOW STEEL, LANG LAY, IWRC. MINIMUM BREAKING STRENGTH 228,000 LBS. (103 420 kg).

REFER TO DRUM AND LAGGING CHART NO. 4861.