

MANITOWOC ENGINEERING CO.

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



WIRE ROPE SPECIFICATIONS

3900W

DRAGLINE - REVOLVING FAIRLEAD
BOOM NO. 9 OR NO. 9A WITH
OPEN THROAT TOP

3900W SERIES 2

WIRE ROPE LENGTHS

BOOM LENGTH		LEFT DRUM HOIST LINE		RIGHT DRUM DRAG LINE	
FT.	METERS	FT.	METERS	FT.	METERS
60	18.3	155	47	85	26
70	21.3	175	53	95	29
80	24.4	190	58	105	32
90	27.4	205	62	115	35
100	30.5	220	67	125	38

LENGTHS ARE BASED ON A 40' (12.2M) DIGGING DEPTH.

REWRAP MAY OCCUR ON 90' AND 100' BOOM LENGTHS CAUSING EXCESSIVE WIRE ROPE WEAR. FOR CONTINUOUS DRAGLINE SERVICE WITH BOOM LENGTHS IN EXCESS OF 80', THE EXTENDED HINGED FAIRLEAD IS RECOMMENDED.

HOIST LINE: 1" (25.4MM) - 6 X 25 FILLER WIRE, IMPROVED PLOW STEEL, LANG LAY, IWRC. MINIMUM BREAKING STRENGTH 89,800 LBS. (40,730KG).

DRAG LINE: 1-1/4" (31.8MM) - 6 X 21 FILLER WIRE, IMPROVED PLOW STEEL, LANG LAY, IWRC. MINIMUM BREAKING STRENGTH 138,800 LBS. (62,950KG).

REFER TO DRUM AND LAGGING CHART NO. 4867.