

MANITOWOC ENGINEERING CO.

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



WIRE ROPE SPECIFICATIONS _____ 3950W VICON

CLAMSHELL - SPLIT FRONT DRUMS
BOOM NO. 39 WITH OPEN THROAT TOP

WIRE ROPE LENGTHS

BOOM LENGTH		RIGHT DRUM CLOSING LINE		LEFT DRUM HOLDING LINE	
FT.	METERS	FT.	METERS	FT.	METERS
70	21.3	250	76	180	55
80	24.4	270	82	200	61
90	27.4	285	87	220	67
100	30.5	305	93	240	73
110	33.5	325	99	260	79
120	36.6	345	105	275	84

LENGTHS ARE BASED ON A 65 DEGREE BOOM ANGLE, 20' (6.1M) DIGGING DEPTH AND A REQUIRED 67' (20.4M) FOR REEVING BUCKET.

REWRAP ON WIDE AND NARROW DRUMS WILL OCCUR IF HOISTING DISTANCE EXCEEDS APPROXIMATELY 70' (21.3M) WITH BOOM AT A 65 DEGREE ANGLE AND A DIGGING DEPTH OF 20' (6.1M). THE OCCURENCE OF REWRAP MAY VARY DEPENDING ON BOOM ANGLE, DIGGING DEPTH, BUCKET SIZE OR LENGTH OF WIRE ROPE CHOSEN FOR THE OPERATION.

CLOSING LINE: 1-1/8" (28.6MM) - 6 X 25 FILLER WIRE, IMPROVED PLOW STEEL, REGULAR LAY, IWRC. MINIMUM BREAKING STRENGTH 113,000 LBS. (51,250KG).

HOLDING LINE: 1-1/8" (28.6MM) - 6 X 25 FILLER WIRE, IMPROVED PLOW STEEL, REGULAR LAY, IWRC. MINIMUM BREAKING STRENGTH 113,000 LBS. (51,250KG).

REFER TO DRUM AND LAGGING CHART NO. 6109-A.