

# Wire Rope Specifications

**Clamshell/Grapple**  
**Boom No. 83**

Wire Rope Lengths					
Boom Length		Front Drum Closing Line		Rear Drum Holding Line	
Ft.	Meters	Ft.	Meters	Ft.	Meters
50	15.2	240	73	160	49
60	18.3	260	79	180	55
70	21.3	280	85	200	61
80	24.4	300	91	220	67
90	27.4	320	98	240	73
100	30.5	340	104	260	79
110	33.5	360	110	280	85
120	36.6	380	116	300	91

Lengths are based on a 65 degree boom angle, 20 Ft. (6m) digging depth, and 77 Ft. (23m) for reeving bucket.

Rewrap on front drum (closing line) will occur if hoisting distance exceeds approximately 90 Ft. (27m) from ground level with boom at 65 degree angle and digging depth of 20 Ft. (6m). The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size or length of wire rope.

Wire Rope Specifications		
Closing or Holding Line:	1-1/4 in. -	6 X 25 Filler Wire, Extra Improved Plow Steel Right Hand Regular Lay, IWRC Minimum Breaking Strength = 159,800 Lbs. (72 480 kg) MCC Part No. 719118

Refer to Drum and Lagging chart **No. 8471-A**.