

# Wire Rope Specifications

## 2250 SERIES 1

**Clamshell/Grapple**  
**Boom No. 44 With Heavy Lift Top**  
**Independently Powered Full Width Front and Rear Drums**

Wire Rope Lengths					
Boom Length		Front Drum Closing Line		Rear Drum Holding Line	
Ft.	Meters	Ft.	Meters	Ft.	Meters
70	21.3	290	88	210	64
80	24.4	310	94	230	70
90	27.4	330	101	250	76
100	30.5	350	107	270	82
110	33.5	370	113	290	88
120	36.6	390	119	310	94
130	39.6	410	125	330	101
140	42.7	430	131	350	107

Lengths are based on a 65 degree boom angle, 40 Ft. (12m) digging depth from ground, and 83 Ft. (25m) for reeving bucket.

Rewrap on drum will occur if hoisting distance above ground exceeds approximately 88 Ft. (27m) with boom at 65 degree angle and digging depth of 40 Ft. (12m). 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:	1-3/8 in. (35 mm) - 6 x 36 Warrington Seale, Improved Plow Steel Right Regular Lay, IWRC Minimum Breaking Strength = 167,000 Lbs. (75 750 kg) MCC Part No. 719418

Lagging Specifications
Front Lagging (Closing): <b>No. 502403</b> on Drum <b>No. 192771</b> Rear Lagging (Holding): <b>No. 502403</b> on Drum <b>No. 192665</b> 24-1/2 in. dia. x 45 in. wide grooved lagging 177 Ft. spooling capacity with 1-3/8 in. wire rope on one layer with 20 Ft. deducted for 3 dead wraps.