

# Wire Rope Specifications

# 2250 SERIES 1

Clamshell/Grapple  
 Boom No. 44 With Heavy Lift Top

Wire Rope Lengths - Tandem Drums					
Boom Length		Front Drum Closing Line		Rear Drum Holding Line	
Ft.	Meters	Ft.	Meters	Ft.	Meters
70	21.3	275	84	210	64
80	24.4	295	90	230	70
90	27.4	315	96	250	76
100	30.5	335	102	270	82
110	33.5	355	108	290	88
120	36.6	375	114	310	94
130	39.6	395	120	330	101
140	42.7	415	126	350	107

Lengths are based on a 65 degree boom angle, 40 Ft. (12m) digging depth, and 71 Ft. (22m) for reeving bucket.

Rewrap on drum will occur if hoisting distance exceeds approximately 85 Ft. (26m) from ground level 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

# 2250 SERIES 1

Clamshell/Grapple  
 Boom No. 44 With Heavy Lift Top

Wire Rope Lengths - Unequal Split Rear Drums					
Boom Length		Right Rear Drum Closing Line		Left Rear Drum Holding Line	
Ft.	Meters	Ft.	Meters	Ft.	Meters
70	21.3	270	82	195	59
80	24.4	290	88	215	66
90	27.4	310	94	235	72
100	30.5	330	101	255	78
110	33.5	350	107	275	84
120	36.6	370	113	295	90
130	39.6	390	119	315	96
140	42.7	410	125	335	102

Lengths are based on a 65 degree boom angle, 30 Ft. (9m) digging depth, and 71 Ft. (22m) for reeving bucket.

Rewrap on drum will occur if hoisting distance exceeds approximately 44 Ft. (13m) from ground level with boom at 65 degree angle and digging depth of 30 Ft. (9m). 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:	1-1/8 in. (28.6 mm) -	6 x 25 Filler Wire, Extra Improved Plow Steel, Right Regular Lay, IWRC Minimum Breaking Strength = 130,000 Lbs. (58 970 kg) MCC Part No. 719062
		OR
	29 mm -	6 x 25 Filler Wire 1 960 N/mm <sup>2</sup> , IWRC Minimum Breaking Strength = 135,100 Lbs. (601.0 kN) MCC Part No. 719405

Refer to Drum and Lagging chart **No. 6124-A**.