



Wire Rope Specifications

2250 SERIES 1

Bulk Material Handling
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	300	91	240	73
80	24.4	320	98	260	79
90	27.4	340	104	280	85
100	30.5	360	110	300	91
110	33.5	380	116	320	98
120	36.6	400	122	335	102
130	39.6	420	128	355	108
140	42.7	440	134	375	114

Lengths are based on a 75 degree boom angle, 65 Ft. (20m) digging depth, and 68 Ft. (21m) for reeving bucket.

Rewrap on drum will occur if hoisting distance exceeds approximately 83 Ft. (25m) from ground level with boom at 75 degree angle and digging depth of 65 Ft. (21m). The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size or length of wire rope.

Note: Distance from bottom of turntable bearing to bottom of crawlers is 4 Ft. (1m). This must be taken into account for pedestal mounted machines.

Wire Rope Specifications

2250 SERIES 1

Bulk Material Handling
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	265	81	200	61
80	24.4	285	87	220	67
90	27.4	305	93	240	73
100	30.5	325	99	260	79
110	33.5	345	105	280	85
120	36.6	365	111	300	91
130	39.6	385	117	320	98
140	42.7	405	123	340	104

Lengths are based on a 75 degree boom angle, 30 Ft. (9m) digging depth, and 68 Ft. (21m) for reeving bucket.

Rewrap on drum will occur if hoisting distance exceeds approximately 40 Ft. (12m) from ground level with boom at 75 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.

Right rear drum equipped with 44.91 in. (1141 mm) wide x 24-1/2 in. (622 mm) dia. lagging grooved for 1-1/4 in. (32 mm) wire rope. Left rear drum equipped with 18.91 in. (480 mm) wide x 24-1/2 in. (622 mm) dia. lagging grooved for 1-1/4 in. (32 mm) wire rope.

Note: Distance from bottom of turntable bearing to bottom of crawlers is 4 Ft. (1m). This must be taken into account for pedestal mounted machines.

Wire Rope Specifications		
Closing or Holding Line:	1-1/4 in. (32 mm) -	6 x 25 Filler Wire, Extra Improved Plow Steel, Regular Lay, IWRC Minimum Breaking Strength = 159,800 Lbs. (72 480 kg) MCC Part No. 719118

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