

# Wire Rope Specifications

# M-250 SERIES 2, 3

**Liftcrane - Fixed Jib No. 140 On**  
**Luffing Jib No. 133 or No. 133A On**  
**Boom No. 44 With Heavy Lift Top**

Wire Rope Lengths					
Boom, Luffing Jib and Fixed Jib Length		Fixed Jib Whip Line Left Rear Drum			
		1 Part		2 Part	
Ft.	Meters	Ft.	Meters	Ft.	Meters
380	115.8	800	244	1175	358
390	118.9	820	250	1200	366
400	121.9	840	256	1250	381
410	125.0	860	262	1300	396
420	128.0	880	268	1325	404
430	131.1	900	274	1350	411
440	134.1	920	280	1375	419
450	137.2	940	287	1400	427
460	140.2	960	293	---	---
470	143.3	980	299	---	---
480	146.3	1000	305	---	---
490	149.4	1020	311	---	---
500	152.4	1040	317	---	---
510	155.4	1060	323	---	---

**Note:** Whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

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Whip Line:	1-1/8 in. (28.6 mm) -	1 960 N/mm <sup>2</sup> Wire Rope Minimum Breaking Strength = 154,900 Lbs. (70 260 kg) Maximum Load = 30,000 Lbs. (13 610 kg) per line MCC Part No. 719375 Approx. Weight = 2.70 Lbs. Per Ft. (4.02 kg/m)  Or  29 mm (1-1/8 in.) -
		1 770 N/mm <sup>2</sup> Wire Rope Minimum Breaking Strength = 154,700 Lbs. (70 170 kg) Maximum Load = 30,000 Lbs. (13 610 kg) per line MCC Part No. 719374 Approx. Weight = 2.85 Lbs. Per Ft. (4.25 kg/m)



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### Maximum Spooling Capacities

Right Rear Drum: (Hoist Line)	1-1/8 in. (28.6 mm) Wire Rope - 8 Layers -	2,411 Ft. (735m)
		2,566 Ft. (782m) with 24½ in. (622 mm) Dia. Lagging
	29 mm Wire Rope - 8 Layers -	2,394 Ft. (730m)
		2,546 Ft. (776m) with 24½ in. (622 mm) Dia. Lagging
Left Rear Drum: (Whip Line)	1-1/8 in. (28.6 mm) Wire Rope - 9 Layers -	1,173 Ft. (358m)
	8 Layers -	1,068 Ft. (326m) with 24½ in. (622 mm) Dia. Lagging
	29 mm Wire Rope - 9 Layers -	1,164 Ft. (355m)
	8 Layers -	1,060 Ft. (323m) with 24½ in. (622 mm) Dia. Lagging
Front Drum: (Hoist Line)	1-1/8 in. (28.6 mm) Wire Rope - 8 Layers -	2,028 Ft. (618m)
		2,158 Ft. (658m) with 24½ in. (622 mm) Dia. Lagging
	29 mm Wire Rope - 8 Layers -	2,013 Ft. (614m)
		2,141 Ft. (653m) with 24½ in. (622 mm) Dia. Lagging

20 Ft. (6m) is deducted from maximum spooling capacities for 3 dead wraps per drum or lagging.

Refer to Drum and Lagging chart **No. 6118-A**.