

# Wire Rope Specifications

Liftcrane - Fixed Jib No. 10 On

Luffing Jib No. 222 On Boom No. 260

# 222 SERIES B 222EX SERIES B

Wire Rope Lengths			
Boom, Luffing Jib And Fixed Jib Length		Fixed Jib Whip Line Front Drum	
		1 Part	
Ft.	Meters	Ft.	Meters
245	74.7	530	162
255	77.7	550	168
265	80.8	570	174
275	83.8	590	180
285	86.9	610	186
295	89.9	630	192
305	93.0	650	198
315	96.0	670	204

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

Maximum load on 7/8 in. wire rope is 20,000 Lbs. (9 070 kg).

Wire Rope Specifications	
<u>3.5:1 Safety Factor</u>	
Whip Line:	7/8 in. (22 mm) - 6 x 25 Filler Wire, Extra Improved Plow Steel Regular Lay, IWRC Minimum Breaking Strength = 79,600 Lbs. (36 110 kg) Maximum Load = 20,000 Lbs. (9 070 kg) Per Line Approximate Weight = 1.42 Lbs. Per Ft. (2.11 kg/m) MCC Part No. 719111
<u>Rotation Resistant Wire Rope - 5:1 Safety Factor</u>	
Whip Line:	22 mm (7/8 in.) - 2 160 N/mm <sup>2</sup> (MCC Part No. 719420) Minimum Breaking Strength = 104,700 Lbs. (47 490 kg) Maximum Load = 20,000 Lbs. (9 070 kg) Per Line Approximate Weight = 1.61 Lbs. Per Ft. (2.39 kg/m)
	OR
	7/8 in. (22 mm) - 1 960 N/mm <sup>2</sup> (MCC Part No. 719424) Minimum Breaking Strength = 104,600 Lbs. (47 450 kg) Maximum Load = 20,000 Lbs. (9 070 kg) Per Line Approximate Weight = 1.53 Lbs. Per Ft. (2.28 kg/m) No Load Dia. = 0.887 in. (22.5 mm) to 0.905 in. (23.0 mm)

Maximum Spooling Capacities	
Front Drum:	7/8 in. (22 mm) Wire Rope - 5 Layers - 655 Ft. (200m)
(Whip Line)	5 Layers - 698 Ft. (213m) with 20-7/16 in. (519 mm) Dia. Lagging
16 Ft. (5m) is deducted from maximum spooling capacities for 3 dead wraps per drum or lagging on front drum.	