



Wire Rope Specifications

2250 SERIES 2

Liftcrane - Luffing Jib No. 133 or No. 133A on
 Boom No. 44 With Heavy Lift Top

Wire Rope Lengths							
Boom and Luffing Jib Length		Luffing Jib Whip Line Left Rear Drum		Luffing Jib Hoist Line			
				Right Rear Drum when Equipped with Split Rear Drums		Front Drum when Equipped with Tandem Drums	
				1 Part		3 Part	
Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters
330	100.6	700	213	1375	419		
340	103.6	720	219	1400	427		
350	106.7	740	226	1450	442	1100	335
360	109.7	760	232	1475	450	1125	343
370	112.8	780	238	---	---	1150	351
380	115.8	800	244	---	---	1175	358
390	118.9	820	250	---	---	1200	366
400	121.9	840	256	---	---	1225	373
410	125.0	860	262	---	---	1250	381
420	128.0	880	268	---	---	1275	389
430	131.1	900	274	---	---	1300	396
440	134.1	920	280	---	---	1325	404
450	137.2	940	287	---	---	1350	411

Note: Hoist line and 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. Maximum hook travel for luffing jib application may be restricted when wire rope length exceeds 1,350 Ft. (411m) using left rear drum without lagging or when wire rope length exceeds 1,250 Ft. (381m) using 24½ in. (622 mm) Dia. lagging on left rear drum.



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Hoist Reeving for Main Load Block			
No. Parts of Line	1	2	3
Maximum Load - Lbs.	30,000	60,000	87,000
Maximum Load - kg	13 610	27 220	39 400

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Hoist Line:	1-1/8 in. (28.6 mm) -	1 960 N/mm ² Wire Rope Minimum Breaking Strength = 154,900 Lbs. (70 260 kg) 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 ² Wire Rope Minimum Breaking Strength = 154,700 Lbs. (70 170 kg) MCC Part No. 719374 Approx. Weight = 2.85 Lbs. Per Ft. (4.25 kg/m)
Whip Line:	1-1/8 in. (28.6 mm) -	1 960 N/mm ² 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 ² 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)
Rigging Winch Line:	3/8 in. (9.5 mm) -	6 x 19 Filler Wire, Improved Plow Steel, Regular Lay, IWRC Minimum Breaking Strength = 13,100 Lbs. (5 940 kg) MCC Part No. 719019 Recommended Length = 800 Ft. (244m)



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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. 6124-A**.