

Wire Rope Specifications

Liftcrane - Boom No. 76
Luffing Jib No.135 Attached

Wire Rope Lengths					
Boom Length		Hoist Line - Drum 2 (Rear Drum)		Maximum Required Parts of Line	
				14000 SERIES	
Feet	Meters	Feet	Meters	1	2
65.6	20	950	290	12	12
75.5	23	1000	305	11	11
85.3	26	1025	312	10	10
95.1	29	1125	343	10	10
105.0	32	1125	343	9	9
114.8	35	1125	343	8	8
124.7	38	1200	366	8	8
134.5	41	1200	366	7	7
144.4	44	1225	372	7	7
154.2	47	1225	372	6	6
164.0	50	1225	372	—	6
173.9	53	1275	390	—	6
183.7	56	1275	390	—	5

Note: Hoist 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.

Hoist Reeving for Main Load Block						
No. Parts of Line	1	2	3	4	5	6
Maximum Load - lb	31,500	63,000	94,500	126,000	157,500	189,000
Maximum Load - kg	14 290	28 580	42 860	57 150	71 440	85 730
No. Parts of Line	7	8	9	10	11	12
Maximum Load - lb	220,500	252,000	283, 500	315,000	346,500	378,000
Maximum Load - kg	100 020	114 310	128 590	142 880	157 170	171 460

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<u>Rotation Resistant Wire Rope</u> Hoist Line: 26 mm (Drum 2): Dyform 34Max Wire Rope with Pad Eye (MCC Part No. 719432) Right Hand Lang Lay Minimum Breaking Strength = 158,600 lb (71 940 kg) Approx. Weight = 2.39 lb per ft (3,56 kg/m) No Load Dia. = 1.034 in. (26,26 mm) to 1.054 in. (26,77 mm)

Maximum Spooling Capacities
Drum 2: 26 mm Wire Rope - 6 Layers - 1,310 ft (399 m) (Rear - Hoist Line) 18 ft (5,5 m) is deducted from maximum spooling capacities for 3 dead wraps per drum on Drum 2.

Refer to Drum and Lagging chart **No. 8791-A** and Load Block Reeving in Operator's Manual.