

Wire Rope Specifications

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

Boom Length		Maximum Required Parts of Line										
		Luffing Jib Length Feet (Meters)										
Feet	Meters	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,6)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
65.6	20	4	4	3	3	3	3	2	2	2	2	2
75.5	23	4	4	3	3	3	3	2	2	2	2	2
85.3	26	4	4	3	3	3	3	2	2	2	2	2
95.1	29	4	4	3	3	3	3	2	2	2	2	2
105.0	32	4	4	3	3	3	3	2	2	2	2	2
114.8	35	4	4	3	3	3	2	2	2	2	2	2
124.7	38	4	3	3	3	3	2	2	2	2	2	2
134.5	41	4	3	3	3	3	2	2	2	2	2	2
144.4	44	4	3	3	3	3	2	2	2	2	2	2
154.2	47	3	3	3	3	3	2	2	2	2	2	2
164.0	50	3	3	3	3	2	2	2	2	2	2	2
173.9	53	3	3	3	3	2	2	2	2	2	2	1
183.7	56	3	3	3	3	2	2	2	2	2	2	1
193.6	59	3	3	3	2	2	2	2	2	2	2	1

Wire Rope Lengths (Includes All Luffing Jib Lengths)			
Boom Length		Hoist Line Drum 2	
Feet	Meters	Feet	Meters
65.6	20	800	244
75.5	23	850	259
85.3	26	900	274
95.1	29	950	290
105.0	32	1000	305
114.8	35	1050	320
124.7	38	1050	320
134.5	41	1100	335
144.4	44	1150	351
154.2	47	1150	351
164.0	50	1150	351
173.9	53	1200	366
183.7	56	1200	366
193.6	59	1200	366

Note: Hoist line lengths given in table include all luffing jib lengths. 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.

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Hoist Reeving for Main Load Block				
No. Parts of Line	1	2	3	4
Maximum Load - lb	31,500	63,000	94,500	118,600
Maximum Load - kg	14 290	28 580	42 860	53 700

Wire Rope Specifications
<u>Rotation Resistant Wire Rope</u> Hoist Line: 26 mm (Drum 2): Dyform 34MAX Wire Rope with Spelter Button and 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) Whip Line: 26 mm (Drum 1): Dyform 34MAX Wire Rope with Pad Eye (MCC Part No. 719432) Right Hand Lang Lay Minimum Breaking Strength = 158,600 lb (71 940 kg) Maximum Load = 31,500 lb (14 290 kg) per line 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)
Drum 1: 26 mm Wire Rope - 6 Layers - 1,310 ft (399 m) (Front - Whip Line)
18 ft (5,5 m) is deducted from maximum spooling capacities for 3 dead wraps per drum on drums 1 and 2.

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