

Wire Rope Specifications

MLC165

Liftcrane - Luffing Jib No. 135 on Boom No. 74

Maximum Required Parts of Line												
Boom Length		Luffing Jib Length Meters (Feet)										
Meters	Feet	21,3 (70.0)	24,4 (80.0)	27,4 (90.0)	30,5 (100.0)	33,5 (110.0)	36,6 (120.0)	39,6 (130.0)	42,7 (140.0)	45,7 (150.0)	48,8 (160.0)	51,8 (170.0)
21,0	68.9	4	4	4	3	3	3	2	2	2	2	2
24,0	78.7	4	4	4	3	3	3	2	2	2	2	2
27,0	88.6	4	4	4	3	3	3	2	2	2	2	2
30,0	98.4	4	4	4	3	3	3	2	2	2	2	2
33,0	108.3	4	4	3	3	3	3	2	2	2	2	2
36,0	118.1	4	4	3	3	3	2	2	2	2	2	2
39,0	128.0	4	3	3	3	3	2	2	2	2	2	2
42,0	137.8	4	3	3	3	3	2	2	2	2	2	2
45,0	147.6	3	3	3	3	3	2	2	2	2	2	2
48,0	157.5	3	3	3	3	3	2	2	2	2	2	2
51,0	167.3	3	3	3	3	2	2	2	2	2	2	1

Wire Rope Lengths (Includes All Luffing Jib Lengths)			
Boom Length		Hoist Line Drum 1 or 2	
Meters	Feet	Meters	Feet
21,0	68.9	260	853
24,0	78.7	275	902
27,0	88.6	290	951
30,0	98.4	305	1,001
33,0	108.3	305	1,001
36,0	118.1	320	1,050
39,0	128.0	320	1,050
42,0	137.8	335	1,099
45,0	147.6	335	1,099
48,0	157.5	340	1,115
51,0	167.3	340	1,115

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 Jib Load Block				
No. Parts of Line	1	2	3	4
Maximum Load - kg	12 500	25 000	37 500	50 000
Maximum Load - lb	27,558	55,116	82,674	110,300

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<p><u>Rotation Resistant Wire Rope</u></p> <p>Hoist Line: 26 mm (Drum 1 or 2): CASAR Eurolift Wire Rope with Pad Eye (MCC Part No. 81023876 or 83010388) Right Hand Lang Lay Minimum Breaking Strength = 62 702 kg (138,235 lb) Approx. Weight = 3,28 kg/m (2.21 lb/ft)</p> <p>Or</p> <p>26 mm (Drum 1 or 2): Verope Verotop Wire Rope with Pad Eye (MCC Part No. 81023876 or 83010392) Right Hand Lang Lay Minimum Breaking Strength = 63 019 kg (138,932 lb) Approx. Weight = 3,45 kg/m (2.32 lb/ft)</p> <p>Or</p> <p>26 mm (Drum 1 or 2): Bridon Dyform 34XL Wire Rope with Pad Eye (MCC Part No. 81023876) Right Hand Lang Lay Minimum Breaking Strength = 67 097 kg (147,924 lb) Approx. Weight = 3,41 kg/m (2.28 lb/ft)</p>

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Maximum Spooling Capacities	
Drum 2: (Rear - Hoist Line)	26 mm Wire Rope - 6 Layers - 374 m (1,227 ft)
Drum 1: (Front - Hoist Line)	26 mm Wire Rope - 6 Layers - 374 m (1,227 ft)
6,1 m (20 ft) is deducted from maximum spooling capacities for 3 dead wraps per drum on drums 1 and 2.	

Refer to Drum and Lagging chart **No. 9293-A** or **No. 9293-B** and Load Block Reeving in Operator's Manual.

REFERENCE ONLY!