

Wire Rope Specifications

MLC200

Luffing Jib No. 135 on
Boom No. B10:76A

Maximum Required Parts of Line - Drum 1												
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)
20,0	65.6	4	4	3	3	3	3	2	2	2	2	2
23,0	75.5	4	4	3	3	3	3	2	2	2	2	2
26,0	85.3	4	4	3	3	3	3	2	2	2	2	2
29,0	95.1	4	4	3	3	3	3	2	2	2	2	2
32,0	105.0	4	4	3	3	3	3	2	2	2	2	2
35,0	114.8	4	4	3	3	3	2	2	2	2	2	2
38,0	124.7	4	3	3	3	3	2	2	2	2	2	2
41,0	134.5	4	3	3	3	3	2	2	2	2	2	2
44,0	144.4	4	3	3	3	3	2	2	2	2	2	2
47,0	154.2	3	3	3	3	3	2	2	2	2	2	2
50,0	164.0	3	3	3	3	2	2	2	2	2	2	2
53,0	173.9	3	3	3	3	2	2	2	2	2	2	2
56,0	183.7	3	3	3	3	2	2	2	2	2	2	1
59,0	193.6	3	3	3	2	2	2	2	2	2	2	1

Maximum Parts of Line for Full Hoisting Range - Drum 3												
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)
20,0	65.6	4	3	3	3	3	2	2	2	2	2	2
23,0	75.5	3	3	3	3	2	2	2	2	2	2	1
26,0	85.3	3	3	3	2	2	2	2	2	2	1	1
29,0	95.1	3	3	2	2	2	2	2	2	1	1	1
32,0	105.0	3	2	2	2	2	2	2	1	1	1	1
35,0	114.8	2	2	2	2	2	2	1	1	1	1	1
38,0	124.7	2	2	2	2	2	1	1	1	1	1	1
41,0	134.5	2	2	2	2	1	1	1	1	1	1	1
44,0	144.4	2	2	2	1	1	1	1	1	1	1	1
47,0	154.2	2	2	1	1	1	1	1	1	1	1	1
50,0	164.0	2	1	1	1	1	1	1	1	1	1	1
53,0	173.9	1	1	1	1	1	1	1	1	1	1	1
56,0	183.7	1	1	1	1	1	1	1	1	1	1	1
59,0	193.6	1	1	1	1	1	1	1	1	1	1	1

Note: Table assumes 228 m (748 ft) of rope.

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Wire Rope Lengths (includes all luffing jib lengths)					
Boom Length		Hoist Line Drum 1		Hoist Line Drum 3	
Meters	Feet	Meters	Feet	Meters	Feet
20,0	65.6	239	785	216	710
23,0	75.5	253	830	218	715
26,0	85.3	268	880	218	715
29,0	95.1	283	930	218	715
32,0	105.0	298	980	218	715
35,0	114.8	313	1,025	216	710
38,0	124.7	313	1,025	216	710
41,0	134.5	328	1,075	216	710
44,0	144.4	343	1,125	216	710
47,0	154.2	335	1,100	216	710
50,0	164.0	335	1,100	216	710
53,0	173.9	347	1,140	209	685
56,0	183.7	359	1,180	214	700
59,0	193.6	359	1,180	221	725

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.

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Hoist Reeving for Main Load Block - Single Lead Line (Drum 1)				
No. Parts of Line	1	2	3	4
Maximum Load - kg	14 290	28 580	42 860	57 150
Maximum Load - lb	31,500	63,000	94,500	126,000
Maximum Load per Part of Line - kg	14 290	14 290	14 290	14 290
Maximum Load per Part of Line - lb	31,500	31,500	31,500	31,500

Hoist Reeving for Main Load Block - Single Lead Line (Drum 3)				
No. Parts of Line	1	2	3	4
Maximum Load - kg	9 070	18 140	27 210	36 280
Maximum Load - lb	20,000	40,000	60,000	80,000
Maximum Load per Part of Line - kg	9 070	9 070	9 070	9 070
Maximum Load per Part of Line - lb	20,000	20,000	20,000	20,000

Warning: Free fall operation with Drum 1 is limited to 7 170 kg (15,800 lb) per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power shall be used for full line pull. *Permanent brake damage could occur allowing the load to lower uncontrolled.*

Refer to Block Overhaul Weights chart **No. A011-A** for minimum weight required for block lowering.

Refer to Wire Rope Attributes chart **No. A019-A** for wire rope requirements.