

Wire Rope Specifications

MLC200

Jib No. 134 on
Boom No. B10:76A

Maximum Required Parts of Line - Drum 1							
Boom Length		Jib Length Meters (Feet)					
Meters	Feet	9,1 (30.0)	12,2 (40.0)	15,2 (50.0)	18,3 (60.0)	21,3 (70.0)	24,4 (80.0)
32,0	105.0	2	2	2	2	1	1
35,0	114.8	2	2	2	2	1	1
38,0	124.7	2	2	2	2	1	1
41,0	134.5	2	2	2	2	1	1
44,0	144.4	2	2	2	2	1	1
47,0	154.2	2	2	2	2	1	1
50,0	164.0	2	2	2	2	1	1
53,0	173.9	2	2	2	2	1	1
56,0	183.7	2	2	2	2	1	1
59,0	193.6	2	2	2	2	1	1
62,0	203.4	2	2	2	2	1	1
65,0	213.3	2	2	2	2	1	1
68,0	223.1	2	2	2	2	1	1
71,0	232.9	2	2	2	2	1	1
74,0	242.8	2	2	2	2	1	1
77,0	252.6	2	2	2	2	1	—
80,0	262.5	2	2	—	—	—	—

Maximum Parts of Line for Full Hoisting Range - Drum 3							
Boom Length		Jib Length Meters (Feet)					
Meters	Feet	9,1 (30.0)	12,2 (40.0)	15,2 (50.0)	18,3 (60.0)	21,3 (70.0)	24,4 (80.0)
32,0	105.0	2	2	2	2	2	2
35,0	114.8	2	2	2	2	2	2
38,0	124.7	2	2	2	2	2	2
41,0	134.5	2	2	2	2	2	2
44,0	144.4	2	2	2	2	2	2
47,0	154.2	2	2	2	2	2	2
50,0	164.0	2	2	2	2	2	1
53,0	173.9	2	2	2	2	1	1
56,0	183.7	2	2	2	1	1	1
59,0	193.6	2	2	1	1	1	1
62,0	203.4	2	1	1	1	1	1
65,0	213.3	1	1	1	1	1	1
68,0	223.1	1	1	1	1	1	1
71,0	232.9	1	1	1	1	1	1
74,0	242.8	1	1	1	1	1	1
77,0	252.6	1	1	1	1	1	—
80,0	262.5	1	1	—	—	—	—

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

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Wire Rope Lengths - Single Hoist Drum (includes all jib lengths)					
Boom Length		Hoist Line - Drum 1		Hoist Line - Drum 3	
Meters	Feet	Meters	Feet	Meters	Feet
32,0	105.0	185	600	180	580
35,0	114.8	195	630	190	610
38,0	124.7	200	650	200	640
41,0	134.5	210	680	205	670
44,0	144.4	220	710	215	700
47,0	154.2	230	740	225	730
50,0	164.0	235	770	225	730
53,0	173.9	245	800	225	730
56,0	183.7	255	830	225	730
59,0	193.6	265	860	225	730
62,0	203.4	275	890	225	730
65,0	213.3	285	920	190	610
68,0	223.1	290	950	195	630
71,0	232.9	300	980	200	640
74,0	242.8	310	1010	205	660
77,0	252.6	310	1010	205	660
80,0	262.5	290	950	190	620

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
Maximum Load - kg	14 290	28 580
Maximum Load - lb	31,500	63,000
Maximum Load per Part of Line - kg	14 290	14 290
Maximum Load per Part of Line - lb	31,500	31,500

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