

# Wire Rope Specifications

## MLC250

Jib No. 134 on  
Boom No. B10:82A

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)
27,4	90.0	2	2	2	2	1	1
30,5	100.0	2	2	2	2	1	1
33,5	110.0	2	2	2	2	1	1
36,6	120.0	2	2	2	2	1	1
39,6	130.0	2	2	2	2	1	1
42,7	140.0	2	2	2	2	1	1
45,7	150.0	2	2	2	2	1	1
48,8	160.0	2	2	2	2	1	1
51,8	170.0	2	2	2	2	1	1
54,9	180.0	2	2	2	2	1	1
57,9	190.0	2	2	2	2	1	1
61,0	200.0	2	2	2	2	1	1
64,0	210.0	2	2	2	2	1	1
67,1	220.0	2	2	2	2	1	1
70,1	230.0	2	2	2	2	1	1
73,2	240.0	2	2	2	2	1	1
76,2	250.0	2	2	2	2	1	1
79,2	260.0	2	2	2	2	—	—
82,3	270.0	2	—	—	—	—	—

Maximum Required Parts of Line - 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)
27,4	90.0	2	2	2	2	2	2
30,5	100.0	2	2	2	2	2	2
33,5	110.0	2	2	2	2	2	2
36,6	120.0	2	2	2	2	2	2
39,6	130.0	2	2	2	2	2	2
42,7	140.0	2	2	2	2	2	2
45,7	150.0	2	2	2	2	2	2
48,8	160.0	2	2	2	2	2	2
51,8	170.0	2	2	2	2	2	2
54,9	180.0	2	2	2	2	2	2
57,9	190.0	2	2	2	2	2	2
61,0	200.0	2	2	2	2	2	2
64,0	210.0	2	2	2	2	2	2
67,1	220.0	2	2	2	2	2	2
70,1	230.0	2	2	2	2	2	2
73,2	240.0	2	2	2	2	2	2
76,2	250.0	2	2	2	2	2	1
79,2	260.0	2	2	2	2	—	—
82,3	270.0	2	—	—	—	—	—

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Wire Rope Lengths - Single Hoist Drum (includes all jib lengths)					
Boom Length		Hoist Line - Drum 1 (Front Drum)		Hoist Line - Drum 3 (Auxilliary Drum)	
Meters	Feet	Meters	Feet	Meters	Feet
27,4	90.0	155	500	165	530
30,5	100.0	165	530	175	560
33,5	110.0	175	560	180	590
36,6	120.0	180	590	190	620
39,6	130.0	190	620	200	650
42,7	140.0	200	650	210	680
45,7	150.0	210	680	220	710
48,8	160.0	220	710	230	740
51,8	170.0	230	740	235	770
54,9	180.0	235	770	245	800
57,9	190.0	245	800	255	830
61,0	200.0	255	830	265	860
64,0	210.0	265	860	275	890
67,1	220.0	275	890	285	920
70,1	230.0	280	910	290	950
73,2	240.0	290	940	300	980
76,2	250.0	300	980	300	980
79,2	260.0	310	1010	300	980
82,3	270.0	290	950	285	920

**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	13 380	26 700
Maximum Load - lb	29,500	59,000
Maximum Load per Part of Line - kg	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500

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 6 710 kg (14,800 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. 9901-A** for minimum weight required for block lowering.

Refer to Wire Rope Attributes chart **No. 9910-A** for wire rope requirements.