

Wire Rope Specifications

MLC250

Luffing Jib No. 135 on
Boom No. B10:82A

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)
24,4	80.0	4	4	4	3	3	3	2	2	2	2	2
27,4	90.0	4	4	4	3	3	3	2	2	2	2	2
30,5	100.0	4	4	4	3	3	3	2	2	2	2	2
33,5	110.0	4	4	4	3	3	2	2	2	2	2	2
36,6	120.0	4	4	3	3	3	2	2	2	2	2	2
39,6	130.0	4	4	3	3	3	2	2	2	2	2	2
42,7	140.0	4	4	3	3	3	2	2	2	2	2	2
45,7	150.0	4	4	3	3	3	2	2	2	2	2	2
48,8	160.0	4	3	3	3	2	2	2	2	2	2	2
51,8	170.0	4	3	3	3	2	2	2	2	2	2	2
54,9	180.0	4	3	3	3	2	2	2	2	2	2	2
57,9	190.0	3	3	3	2	2	2	2	2	2	2	2
61,0	200.0	3	3	3	2	2	2	2	2	2	2	2

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)
24,4	80.0	4	4	3	3	3	3	3	2	2	2	2
27,4	90.0	4	3	3	3	3	3	2	2	2	2	2
30,5	100.0	3	3	3	3	2	2	2	2	2	2	2
33,5	110.0	3	3	3	2	2	2	2	2	2	2	2
36,6	120.0	3	3	2	2	2	2	2	2	2	2	1
39,6	130.0	3	2	2	2	2	2	2	2	2	1	1
42,7	140.0	2	2	2	2	2	2	2	2	1	1	1
45,7	150.0	2	2	2	2	2	2	2	1	1	1	1
48,8	160.0	2	2	2	2	2	2	1	1	1	1	1
51,8	170.0	2	2	2	2	1	1	1	1	1	1	1
54,9	180.0	2	2	2	2	1	1	1	1	1	1	1
57,9	190.0	2	2	2	1	1	1	1	1	1	1	1
61,0	200.0	2	2	1	1	1	1	1	1	1	1	1

Note: Table assumes 265 m (870 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
24,4	80.0	276	905	263	865
27,4	90.0	291	955	263	865
30,5	100.0	306	1,005	252	825
33,5	110.0	322	1,055	261	855
36,6	120.0	322	1,055	261	855
39,6	130.0	337	1,105	261	855
42,7	140.0	352	1,155	261	855
45,7	150.0	368	1,210	261	855
48,8	160.0	368	1,210	261	855
51,8	170.0	383	1,255	262	860
54,9	180.0	399	1,310	262	860
57,9	190.0	356	1,170	262	860
61,0	200.0	368	1,210	262	860

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	13 380	26 760	40 140	53 520
Maximum Load - lb	29,500	59,000	88,500	118,000
Maximum Load per Part of Line - kg	13 380	13 380	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500	29,500	29,500

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 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.