

Wire Rope Specifications

MLC200

Boom B10:76A with
Luffing Jib No. 135 Attached

Wire Rope Lengths - Hoist Line							
Boom Length		Hoist Line - Drum 1 (Front Drum)		Total Parts of Line	Whip Line - Drum 3 (Auxiliary Drum)		Total Parts of Line
Meters	Feet	Meters	Feet		Meters	Feet	
20,0	65.6	327	1,075	13	208	680	8
23,0	75.5	317	1,040	11	208	680	7
26,0	85.3	323	1,060	10	203	665	6
29,0	95.1	356	1,170	10	225	740	6
32,0	105.0	354	1,160	9	211	690	5
35,0	114.8	384	1,260	9	190	625	4
38,0	124.7	373	1,225	8	205	675	4
41,0	134.5	356	1,170	7	220	720	4
44,0	144.4	380	1,245	7	188	615	3
47,0	154.2	354	1,160	6	200	655	3
50,0	164.0	375	1,230	6	212	695	3
53,0	173.9	396	1,300	6	224	735	3
56,0	183.7	358	1,175	5	178	585	2

Note: Hoist and whip 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	5	6	7
Maximum Load - kg	14 290	28 580	42 870	57 160	71 450	85 740	100 030
Maximum Load - lb	31,500	63,000	94,500	126,000	157,500	189,000	220,500
Maximum Load per Part of Line - kg	14 290	14 290	14 290	14 290	14 290	14 290	14 290
Maximum Load per Part of Line - lb	31,500	31,500	31,500	31,500	31,500	31,500	31,500
No. Parts of Line	8	9	10	11	12	13	
Maximum Load - kg	114 320	128 610	142 900	157 170	171 480	185 770	
Maximum Load - lb	252,000	283,500	315,000	346,500	378,000	409,500	
Maximum Load per Part of Line - kg	14 290	14 290	14 290	14 290	14 290	14 290	
Maximum Load per Part of Line - lb	31,500	31,500	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	5
Maximum Load - kg	9 070	18 140	27 210	36 280	45 350
Maximum Load - lb	20,000	40,000	60,000	80,000	100,000
Maximum Load per Part of Line - kg	9 070	9 070	9 070	9 070	9 070
Maximum Load per Part of Line - lb	20,000	20,000	20,000	20,000	20,000
No. Parts of Line	6	7	8		
Maximum Load - kg	54 420	63 490	72 560		
Maximum Load - lb	120,000	140,000	160,000		
Maximum Load per Part of Line - kg	9 070	9 070	9 070		
Maximum Load per Part of Line - lb	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.