

Wire Rope Specifications

MLC250

Boom B10:82A with
Luffing Jib No. 149 Attached

Wire Rope Lengths - Hoist Line							
Boom Length		Hoist Line - Drum 1 (Front Drum)		Total Parts of Line	Whip Line - Drum 3 (Auxillary Drum)		Total Parts of Line
Meters	Feet	Meters	Feet		Meters	Feet	
24,4	80.0	415	1,360	14	246	805	8
27,4	90.0	430	1,410	13	243	795	7
30,5	100.0	405	1,330	11	233	765	6
33,5	110.0	405	1,330	10	255	835	6
36,6	120.0	445	1,450	10	181	595	5
39,6	130.0	430	1,405	9	254	835	5
42,7	140.0	415	1,360	8	227	745	4
45,7	150.0	440	1,445	8	243	795	4
48,8	160.0	420	1,370	7	258	845	4
51,8	170.0	440	1,445	7	218	715	3
54,9	180.0	410	1,335	6	230	755	3
57,9	190.0	430	1,405	6	243	795	3
61,0	200.0	390	1,270	5	254	835	3

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	13 380	26 760	40 140	53 520	66 900	80 290	93 670
Maximum Load - lb	29,500	59,000	88,500	118,000	147,500	177,000	206,500
Maximum Load per Part of Line - kg	13 380	13 380	13 380	13 380	13 380	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500	29,500	29,500	29,500	29,500	29,500
No. Parts of Line	8	9	10	11	12	13	14
Maximum Load - kg	107 050	120 430	133 810	147 190	160 570	173 950	187 200
Maximum Load - lb	236,000	265,500	295,000	324,500	354,000	383,500	412,900
Maximum Load per Part of Line - kg	13 380	13 380	13 380	13 380	13 380	13 380	13 160
Maximum Load per Part of Line - lb	29,500	29,500	29,500	29,500	29,500	29,500	29,495

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 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.