

Wire Rope Specifications

MLC200

Liftcrane - Boom No. B10:76A

Wire Rope Lengths - Hoist Line				
Boom Length		Hoist Line - Drum 2 (Rear Drum)		Total Parts of Line
Meters	Feet	Meters	Feet	
20,0	65.6	335	1,100	14
23,0	75.5	330	1,080	12
26,0	85.3	340	1,120	11
29,0	95.1	375	1,230	11
32,0	105.0	380	1,240	10
35,0	114.8	415	1,360	10
38,0	124.7	405	1,330	9
41,0	134.5	435	1,430	9
44,0	144.4	420	1,380	8
47,0	154.2	450	1,470	8
50,0	164.0	425	1,390	7
53,0	173.9	450	1,470	7
56,0	183.7	415	1,360	6
59,0	193.6	435	1,430	6
62,0	203.4	395	1,290	5
65,0	213.3	410	1,340	5
68,0	223.1	430	1,400	5
71,0	232.9	375	1,230	4
74,0	242.8	390	1,280	4
77,0	252.6	405	1,330	4
80,0	262.5	340	1,120	3
83,0	272.3	350	1,150	3
86,0	282.2	365	1,190	3
89,0	292.0	375	1,230	3

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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Wire Rope Lengths - Single Hoist Drum									
Boom Length		Whip Line - Drum 1 (Front Drum)				Whip Line - Drum 3 (Auxillary Drum)			
		2 Parts		1 Part		2 Parts		1 Part	
Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet
20,0	65.6	85	280	60	200	80	260	55	180
23,0	75.5	95	300	65	210	90	290	60	190
26,0	85.3	100	330	70	230	95	320	65	210
29,0	95.1	110	360	75	250	105	340	70	230
32,0	105.0	120	390	80	270	115	370	80	250
35,0	114.8	130	420	90	290	125	400	85	270
38,0	124.7	135	450	95	310	135	430	90	290
41,0	134.5	145	480	100	330	140	460	95	310
44,0	144.4	155	510	105	340	150	490	100	330
47,0	154.2	165	540	110	360	160	520	105	350
50,0	164.0	175	560	120	380	170	550	115	370
53,0	173.9	180	590	125	400	180	580	120	390
56,0	183.7	190	620	130	420	185	610	125	410
59,0	193.6	200	650	135	440	195	640	130	430
62,0	203.4	210	680	140	460	205	670	135	450
65,0	213.3	220	710	150	480	215	700	145	470
68,0	223.1	225	740	155	500	220	730	150	490
71,0	232.9	235	770	160	520	—	—	155	510
74,0	242.8	245	800	165	540	—	—	160	530
77,0	252.6	255	830	170	560	—	—	165	550
80,0	262.5	265	860	180	580	—	—	175	570
83,0	272.3	270	890	185	600	—	—	180	590
86,0	282.2	280	920	190	620	—	—	185	600

Note: 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 2)							
No. Parts of Line	1	2	3	4	5	6	7
Maximum Load - kg	14 290	28 580	42 860	57 150	71 440	85 730	100 020
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	14
Maximum Load - kg	114 310	128 590	142 880	157 170	171 460	185 750	200 000
Maximum Load - lb	252,000	283,500	315,000	346,500	378,000	409,500	441,000
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

REFERENCE ONLY

Wire Rope Specifications

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Liftcrane - Boom No. B10:76A

Hoist Reeving for Whip Load Block - Single Lead Line (Drum 1)		
No. Parts of Line	1	2
Maximum Load - kg	14 290	27 220
Maximum Load - lb	31,500	60,000
Maximum Load per Part of Line - kg	14 290	13 610
Maximum Load per Part of Line - lb	31,500	30,000

Hoist Reeving for Whip 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 or 2 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.