

# Wire Rope Specifications

Liftcrane - Boom No. 74A  
Luffing Jib No. 135 Attached

## MLC165-1

Wire Rope Lengths				
Boom Length		Hoist Line - Drum 2 (Rear Drum)		Maximum Parts of Line
Meters	Feet	Meters	Feet	
21,0	68.9	275	900	11
24,0	78.7	285	940	10
27,0	88.6	290	950	9
30,0	98.4	295	960	8
33,0	108.3	320	1,050	8
36,0	118.1	310	1,010	7
39,0	128.0	335	1,100	7
42,0	137.8	315	1,030	6
45,0	147.6	335	1,100	6
48,0	157.5	305	1,000	5

**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.

Refer to Block Overhaul Weights chart **No. 9414-A** for minimum weight required for block lowering.

Hoist Reeving for Main Load Block - (Drum 2)						
No. Parts of Line	1	2	3	4	5	6
Maximum Load - kg	12 500	25 000	37 500	50 000	62 500	75 000
Maximum Load - lb	27,558	55,116	82,674	110,232	137,790	165,348
Maximum Load per Part of Line - kg	12 500	12 500	12 500	12 500	12 500	12 500
Maximum Load per Part of Line - lb	27,558	27,558	27,558	27,558	27,558	27,558
No. Parts of Line	7	8	9	10	11	
Maximum Load - kg	87 500	100 000	112 500	125 000	129 800	
Maximum Load - lb	192,906	220,464	248,022	275,580	286,100	
Maximum Load per Part of Line - kg	12 500	12 500	12 500	12 500	11 800	
Maximum Load per Part of Line - lb	27,558	27,558	27,558	27,558	26,009	

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Wire Rope Specifications
<u>Rotation Resistant Wire Rope</u>
<b>Hoist Line:</b>
<b>26 mm</b> (Drum 2):
Wire Rope with Pad Eye
Right Hand Lang Lay
Minimum Breaking Strength = 62 500 kg (137,800 lb)
Approx. Weight = 3,41 kg/m (2.28 lb/ft)

Maximum Spooling Capacities
Drum 2: (Rear - Hoist Line) 26 mm Wire Rope - 6 Layers - 408 m (1,340 ft)
6,0 m (20 ft) is deducted from maximum spooling capacities for 3 dead wraps per drum on Drum 2.

Refer to Drum and Lagging chart **No. 9401-A** and Load Block Reeving in Operator's Manual.

REFERENCE ONLY!