

Wire Rope Specifications

16000 SERIES 1, 2, 3

Liftcrane - Fixed Jib No. 133 or No. 133A on
Boom No. 58 HL

Wire Rope Lengths											
Boom Length		Total Parts of Line								Hoist Line Drum 1	
		Jib Length - Feet (Meters)									
Feet	Meters	70.0 (21,3)	80.0 (24,4)	90.0 (27,4)	100.0 (30,5)	110.0 (33,5)	120.0 (36,6)	130.0 (39,6)	140.0 (42,7)	Feet	Meters
137.8	42,0	6	6	6	6	4	4	4	4	1750	535
157.5	48,0	6	6	6	6	4	4	4	4	1850	565
177.2	54,0	6	6	6	6	4	4	4	4	2000	610
196.9	60,0	6	6	6	6	4	4	4	4	2150	660
216.5	66,0	6	6	6	4	4	4	4	—	2200	670
236.2	72,0	6	6	—	—	—	—	—	—	2300	705

Wire Rope Lengths											
Boom Length		Maximum Parts of Line for Full Hoisting Range								Whip Line Drum 2	
		Jib Length - Feet (Meters)									
Feet	Meters	70.0 (21,3)	80.0 (24,4)	90.0 (27,4)	100.0 (30,5)	110.0 (33,5)	120.0 (36,6)	130.0 (39,6)	140.0 (42,7)	Feet	Meters
137.8	42,0	6	4	4	4	4	4	4	4	1550	475
157.5	48,0	4	4	4	4	4	4	4	4	1550	475
177.2	54,0	4	4	4	4	4	4	2	2	1550	475
196.9	60,0	4	4	4	4	2	2	2	2	1550	475
216.5	66,0	4	4	2	2	2	2	2	—	1550	475
236.2	72,0	2	2	—	—	—	—	—	—	1550	475

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.

Drum 1 Hoist Reeving for Jib Load Block			
No. Parts of Line	2	4	6
Maximum Load - lb	71,700	143,500	205,700
Maximum Load - kg	32 520	65 090	93 300

Drum 2 Hoist Reeving for Jib Load Block			
No. Parts of Line	2	4	6
Maximum Load - lb	60,000	120,000	180,000
Maximum Load - kg	27 220	54 430	81 650

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Wire Rope Specifications
<u>Rotation Resistant Wire Rope</u> Hoist Line: 28 mm (Drum 1): Dyform 34MAX Wire Rope With Spelter Button and Pad Eye (MCC Part No. A12083) Right Hand Lang Lay Minimum Breaking Strength = 179,400 lb (81 370 kg) Approx. Weight = 2.80 lb per ft (4,17 kg/m) No Load Dia. = 1.135 in. (28,83 mm) to 1.145 in. (29,08 mm)
Whip Line: 28 mm (Drum 2): Dyform 34MAX Wire Rope With Spelter Button and Pad Eye (MCC Part No. A12083) Right Hand Lang Lay Minimum Breaking Strength = 179,400 lb (81 370 kg) Approx. Weight = 2.80 lb per ft (4,17 kg/m) No Load Dia. = 1.135 in. (28,83 mm) to 1.145 in. (29,08 mm)

Maximum Spooling Capacities
Drum 1: 28 mm Wire Rope - 11 Layers - 3,801 ft (1 159 m) (Hoist Line)
Drum 2: 28 mm Wire Rope - 7 Layers - 1,610 ft (491 m) (Whip Line)
21 ft (6 m) is deducted from maximum spooling capacities for 3 dead wraps per drum.

Refer to Drum and Lagging chart **No. 8673-A** and Load Block Reeving in Operator's Manual.