

Wire Rope Specifications

16000 SERIES 5

Liftcrane - Boom No. 58BRS with 24.9 ft (7,6 m)
Extended Upper Boom Point

Wire Rope Lengths									
Boom Length		Whip Line Drum 2 or 3				Hoist Line Drum 1			
		1 Part		2 Part		6 Parts		8 Parts	
Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
292.0	89,0	750	229	1050	320	2300	702	2950	899
301.8	92,0	750	229	1100	336	2350	717	3000	914
311.7	95,0	750	229	1100	336	2450	747	3100	945
321.5	98,0	800	244	1150	351	2500	762	3200	975
331.4	101,0	800	244	1200	366	2550	778	3300	1006
341.2	104,0	850	259	1200	366	2650	808	—	—
351.0	107,0	850	259	1250	381	2700	823	—	—

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.

Hoist Reeving for Main Load Block				
No. Parts of Line	2	4	6	8
Maximum Load - lb	71,700	143,500	215,200	286,600
Maximum Load - kg	32 520	65 090	97 610	130 000

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<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)	
Maximum Load = 30,000 lb (13 610 kg) per line	
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)	
Auxiliary Line:	
1 in. (Drum 3):	
Dyform 34MAX Wire Rope (MCC Part No. 719436)	
Right Hand Lang Lay	
Minimum Breaking Strength = 153,800 lb (69 760 kg)	
Maximum Load = 30,000 lb (13 610 kg) per line	
Approx. Weight = 2.26 lb per ft (3,36 kg/m)	
No Load Dia. = 1.020 in. (25,91 mm) to 1.036 in. (26,31 mm)	

Maximum Spooling Capacities	
Drum 1: (Hoist Line)	28 mm Wire Rope - 11 Layers - 3,801 ft (1 159 m)
Drum 2: (Whip Line)	28 mm Wire Rope - 7 Layers - 1,610 ft (491 m)
Drum 3: (Auxiliary Line)	1 in. Wire Rope - 8 Layers - 1,377 ft (420 m)
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.