

Wire Rope Specifications

16000

Liftcrane - Boom No. 58WA 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		Feet	Meters	Total Parts of Line
Feet	Meters	Feet	Meters	Feet	Meters			
144.4	44,0	450	137	600	183	1600	488	8
154.2	47,0	450	137	650	198	1700	518	8
164.0	50,0	450	137	650	198	1800	549	8
173.9	53,0	500	152	700	213	1850	564	8
183.7	56,0	500	152	750	229	1950	594	8
193.6	59,0	550	168	750	229	2050	625	8
203.4	62,0	550	168	800	244	2150	655	8
213.3	65,0	600	183	800	244	2250	686	8
223.1	68,0	600	183	850	259	2300	701	8
232.9	71,0	600	183	900	274	2400	732	8
242.8	74,0	650	198	900	274	2500	762	8
252.6	77,0	650	198	950	290	2600	792	8
262.5	80,0	650	198	950	290	2650	808	8
272.3	83,0	700	213	1000	305	2750	838	8
282.2	86,0	700	213	1050	320	2850	869	8
292.0	89,0	750	229	1050	320	2950	899	8
301.8	92,0	750	229	1100	336	3000	914	8
311.7	95,0	750	229	1100	336	3100	945	8

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.