

Wire Rope Specifications

Liftcrane - Fixed Jib No. 79A on Boom No. 55 or No. 55A
32 mm Hoist Line

Wire Rope Lengths - Single Hoist Drum											
Boom Length		Hoist Line Drum 1				Hoist Line Drum 1		Whip Line Drum 2 or 3			
		Jib Length - Feet (Meters)						1 Part		2 Part	
Feet	Meters	50 (15.2)	70 (21.3)	90 (27.4)	110 (33.5)	Feet	Meters	Feet	Meters	Feet	Meters
140	42.7	14	12	12	10	3100	945	575	175	825	251
160	48.8	12	12	10	10	3100	945	600	183	900	274
180	54.9	12	10	10	8	3100	945	650	198	950	290
200	61.0	12	10	10		3300	1006	650	198	950	290
220	67.1	12				3600	1097	650	198	950	290

Note: Hoist and whip line lengths 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 - Single Lead Line				
No. Parts of Line	2	4	6	8
Maximum Load - Lbs.	97,600	195,200	292,800	390,400
Maximum Load - kg	44 270	88 540	132 810	177 080
No. Parts of Line	10	12	14	
Maximum Load - Lbs.	488,000	585,600	650,400	
Maximum Load - kg	221 350	265 620	295 000	

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<u>Rotation Resistant Wire Rope</u>	
Hoist Line:	
32 mm (Drum 1):	
Dyform 34MAX Wire Rope	
With Spelter Button and Pad Eye (MCC Part No. A06005)	
Right Hand Lang Lay	
Minimum Breaking Strength = 244,000 Lbs. (110 680 kg)	
Approx. Weight = 3.74 Lbs. Per Ft. (5.57 kg/m)	
No Load Dia. = 1.285 in. (32.64 mm) to 1.304 in. (33.12 mm)	
Whip Line:	
32 mm (Drum 2):	
Dyform 34MAX Wire Rope	
With Spelter Button and Pad Eye (MCC Part No. A06005)	
Right Hand Lang Lay	
Minimum Breaking Strength = 244,000 Lbs. (110 680 kg)	
Maximum Load = 48,800 Lbs. (22 140 kg) per line	
Approx. Weight = 3.74 Lbs. Per Ft. (5.57 kg/m)	
No Load Dia. = 1.285 in. (32.64 mm) to 1.304 in. (33.12 mm)	
28 mm (Drum 3):	
Dyform 34MAX Wire Rope With Pad Eye (MCC Part No. 719425)	
Right Hand Lang Lay	
Minimum Breaking Strength = 179,400 Lbs. (81 370 kg)	
Maximum Load = 30,000 Lbs. (13 610 kg) per line	
Approx. Weight = 2.76 Lbs. Per Ft. (4.11 kg/m)	
No Load Dia. = 1.124 in. (28.55 mm) to 1.146 in. (29.11 mm)	

Maximum Spooling Capacities	
Drum 1: (Hoist Line)	32 mm Wire Rope - 9 Layers - 3,330 Ft. (1 015m)
Drum 2: (Whip Line)	32 mm Wire Rope - 9 Layers - 3,330 Ft. (1 015m)
Drum 3: (Whip Line)	28 mm Wire Rope - 8 Layers - 1,900 Ft. (579m)
23 Ft. (7m) is deducted from maximum spooling capacities for 3 dead wraps per drum.	

Refer to Drum and Lagging chart **No. 8512-A** and Load Block Reeving folio **No. 2032**.