

Wire Rope Specifications

Liftcrane - Boom No. 55-79A

with 25.0 ft (7,6 m) Extended Upper Boom Point

28 mm Hoist Line

Wire Rope Lengths - Single Hoist Drum								
Boom Length		Whip Line Drum 2 or 3				Hoist Line Drum 1		
		1 Part		2 Part				
Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters	Parts of Line
200	61,0	500	152	750	229	2100	640	8
220	67,1	550	168	800	244	2300	701	8
240	73,2	575	175	850	259	2500	762	8
260	79,2	625	191	925	282	2700	823	8
280	85,3	675	206	975	297	2900	884	8
300	91,4	700	213	1025	312	3000	914	8
320	97,5	750	229	1100	335	3200	975	8
340	103,6	775	236	1150	351	3400	1036	8
360	109,7	825	251	1225	373	3600	1097	8
380	115,8	875	267	1275	389	3600	1097	6
400	121,9	900	274	1325	404	3600	1097	6

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	71,700	143,500	215,200	287,000
Maximum Load - kg	32 520	65 090	97 610	130 180

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<u>Rotation Resistant Wire Rope</u>
Hoist Line:
28 mm (Drum 1):
Dyform 34MAX Wire Rope With Pad Eye (MCC Part No. 719425)
Right Hand Lang Lay
Minimum Breaking Strength = 179,400 lbs. (81 370 kg)
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)
Whip Line:
28 mm (Drum 2):
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)
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)	28 mm Wire Rope - 11 Layers - 4,723 ft. (1 440 m)
Drum 2: (Whip Line)	28 mm Wire Rope - 11 Layers - 4,723 ft. (1 440 m)
Drum 3: (Whip Line)	28 mm Wire Rope - 8 Layers - 1,900 ft. (579 m)
23 ft. (7,0 m) is deducted from maximum spooling capacities for three (3) dead wraps per drum.	

Refer to Drum and Lagging chart **No. 8512-A** and Load Block Reeving in Operator's Manual.