

Wire Rope Specifications

888 RINGER

Liftcrane - Boom No. 67B

Wire Rope Lengths							
Boom Length		1-1/4 in. Dia. (32mm) Hoist Line			1-1/8 in. Dia. (28.6 mm) Hoist Line		
		Front Ringer Drum		Parts Of Line	Front Ringer Drum		Parts Of Line
Ft.	Meters	Ft.	Meters		Ft.	Meters	
125	38.1	4600	1402	34	4600	1402	34
150	45.7	4900	1494	30	5500	1676	34
175	53.3	5600	1707	30	6300	1920	34
200	61.0	5600	1707	26	6400	1951	30
225	68.6	5600	1707	22	6400	1951	26
250	76.2	5600	1707	18	6900	2103	26
275	83.8	5600	1707	18	6900	2103	22
300	91.4	5600	1707	14	6900	2103	18
325	99.1	5600	1707	14	6900	2103	18
350	106.7	5600	1707	10	6900	2103	14
375	114.3	5600	1707	10	6900	2103	14
400	121.9	5600	1707	10	6900	2103	10
425	129.5	5600	1707	6	6900	2103	10

Note: Hoist 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 - 1-1/4 in. or 32 mm Wire Rope								
No. Parts of Line	6	10	14	18	22	26	30	34
Maximum Load - Lbs.	240,000	400,000	560,000	720,000	880,000	1,040,000	1,200,000	1,322,800
Maximum Load - kg	108 860	181 440	254 010	326 590	399 160	471 740	544 310	600 000
Hoist Line: (Front Drum)	1-1/4 in. or 32 mm - Wire Rope With Pad Eye (MCC Part No. A00212 or A00218) Right Hand Lang Lay Minimum Breaking Strength = 220,400 Lbs. (980.3 kN) Maximum Load = 40,000 Lbs. (18 140 kg) per line Approx. Weight = 3.37 Lbs. per Ft. (5.01 kg/m) No Load Dia. = 1.285 in. (32.64 mm) to 1.304 in. (33.12 mm)							

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Hoist Reeving for Main Load Block - 1-1/8 in. (28.6 mm) Wire Rope								
No. Parts of Line	6	10	14	18	22	26	30	34
Maximum Load - Lbs.	193,800	323,000	452,200	581,400	710,600	839,800	969,000	1,098,200
Maximum Load - kg	87 910	146 510	205 110	263 720	322 320	380 930	439 530	498 140
Hoist Line: 1-1/8 in. (28.6 mm) 1 960 N/mm² Wire Rope, Right Regular Lay (Front Drum) Rotation Resistant (Part No. 719399) Minimum Breaking Strength = 161,600 Lbs. (718.5 kN) Maximum Load = 32,300 Lbs. (14 650 kg) per line Approx. Weight = 2.48 Lbs. per Ft. (3.69 kg/m) Dead End Locking Swivel No. 178673 Recommended with Wire Rope Part No. 719399								

Wire Rope Lengths					
Boom Length		Whip Line or Auxiliary Line			
		1 Part		2 Part	
Ft.	Meters	Ft.	Meters	Ft.	Meters
125	38.1	325	99	475	145
150	45.7	375	114	550	168
175	53.3	425	130	625	191
200	61.0	475	145	700	213
225	68.6	525	160	775	236
250	76.2	575	175	850	259
275	83.8	625	191	925	282
300	91.4	675	206	1000	305
325	99.1	725	221	1075	328
350	106.7	775	236	1150	351
375	114.3	825	251	1225	373
400	121.9	875	267	1300	396
425	129.5	925	282	1375	419

Note: Whip line or auxiliary line lengths will allow hook to touch ground. When hook travel below ground is required, add additional rope equal to parts of line times added travel distance.

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Wire Rope Specifications		
Whip Line: (Rear Drum)	1-1/8 in. (28.6 mm)	1 960 N/mm² Wire Rope, Right Regular Lay Rotation Resistant (Part No. 719399) Minimum Breaking Strength = 161,600 Lbs. (718.5 kN) Maximum Load = 32,300 Lbs. (14 650 kg) per line Approx. Weight = 2.48 Lbs. per Ft. (3.69 kg/m)
Auxiliary Line: (Boom Butt)	1 in. -	1 960 N/mm² Wire Rope, Right Regular Lay Rotation Resistant (Part No. 719401) Minimum Breaking Strength = 127,400 Lbs. (566.1 kN) Maximum Load = 20,000 Lbs. (9 070 kg) per line Approx. Weight = 1.97 Lbs. per Ft. (2.93 kg/m)
		or
	1 in. -	1 960 N/mm² Wire Rope Rotation Resistant (Part No. 719393) Minimum Breaking Strength = 139,600 Lbs. (620.9 kN) Maximum Load = 20,000 Lbs. (9 070 kg) per line Approx. Weight = 2.03 Lbs. per Ft. (3.02 kg/m)
		or
	26 mm -	1 960 N/mm² Wire Rope, Right Regular Lay Rotation Resistant (Part No. 719402) Minimum Breaking Strength = 133,400 Lbs. (593.7 kN) Maximum Load = 20,000 Lbs. (9 070 kg) per line Approx. Weight = 2.07 Lbs. per Ft. (3.08 kg/m)
		or
	26 mm -	1 960 N/mm² Wire Rope Rotation Resistant (Part No. 719378) Minimum Breaking Strength = 146,200 Lbs. (650.6 kN) Maximum Load = 20,000 Lbs. (9 070 kg) per line Approx. Weight = 2.13 Lbs. per Ft. (3.17 kg/m)

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Maximum Spooling Capacities		
Front Ringer Drum: (Hoist Line)	1-1/4 in. (32 mm) Wire Rope - 8 Layers - 4,859 Ft. (1 481m) with 35-3/4 in. (908 mm) Dia. Lagging	
	1-1/8 in. (28.6 mm) Wire Rope - 10 Layers - 7,062 Ft. (2 152m) with 35-3/4 in. (908 mm) Dia. Lagging	
Rear Ringer Drum: (Whip Line)	1-1/8 in. (28.6 mm) Wire Rope - 8 Layers - 3,714 Ft. (1 132m) with 30-1/2 in. (775 mm) Dia. Lagging	
Boom Butt Drum: (Auxiliary Line)	1 in. Wire Rope - 6 Layers - 1,335 Ft. (407m)	
	6 Layers - 1,428 Ft. (435m) with 21-1/4 in. (540 mm) Dia. Lagging	
	26 mm Wire Rope - 6 Layers - 1,323 Ft. (403m)	
	6 Layers - 1,415 Ft. (431m) with 21-1/4 in. (540 mm) Dia. Lagging	
17 Ft. (5m) [25 Ft. (8m) with 30-1/2 in. (775 mm) Dia. Lagging or 29 Ft. (9m) with 35-3/4 in. (908 mm) Dia. Lagging] is deducted from maximum spooling capacities for 3 dead wraps per drum or lagging.		