



Wire Rope Specifications

555 SERIES 2

Liftcrane - Luffing Jib No. 155 on Boom No. 84

European Standards

Wire Rope Lengths - Front or Auxiliary Drum							
Boom and Luffing Jib Length		Luffing Jib Hoist Line Front Drum or Auxiliary Drum					
		3 Part		2 Part		1 Part	
Ft.	Meters	Ft.	Meters	Ft.	Meters	Ft.	Meters
120	36.6	550	168	425	130	270	82
130	39.6	600	183	450	137	290	88
140	42.7	625	191	475	145	310	95
150	45.7	675	206	525	160	330	101
160	48.8	700	213	550	168	350	107
170	51.8	725	221	575	175	370	113
180	54.9	775	236	600	183	390	119
190	57.9	800	244	625	191	410	125
200	61.0	850	259	650	198	430	131
210	64.0	900	274	675	206	450	137
220	67.1	—	—	700	213	470	143
230	70.1	—	—	750	229	490	149
240	73.2	—	—	775	236	510	155
250	76.2	—	—	800	244	530	162
260	79.2	—	—	825	251	550	168
270	82.3	—	—	850	259	570	174
280	85.3	—	—	875	267	590	180
290	88.4	—	—	925	282	610	186
300	91.4	—	—	950	290	630	192
310	94.5	—	—	—	—	650	198
320	97.5	—	—	—	—	670	204
330	100.6	—	—	—	—	690	210

Note: Hoist 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 - Front Drum			
No. Parts of Line	1	2	3
Maximum Load - Lbs.	33,000	66,000	90,000
Maximum Load - kg	14 970	29 940	40 800

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<u>Rotation Resistant Wire Rope - 5:1 Safety Factor</u>	
Hoist Line:	28 mm - Wire Rope With Pad Eye (MCC Part No. A00840) Right Hand Lang Lay Minimum Breaking Strength = 168,800 Lbs. (750.8 kN) Maximum Load = 33,000 Lbs. (14 970 kg) Per Line Approx. Weight = 2.63 Lbs Per Ft. (3.91 kg/m) No Load Dia. = 1.124 in. (28.55 mm) to 1.146 in. (29.11 mm)

Maximum Spooling Capacities	
Front Drum: (Hoist Line)	28 mm Wire Rope - 6 Layers - 962 Ft. (293m)
Auxiliary Drum: (Hoist Line)	28 mm Wire Rope - 6 Layers - 962 Ft. (293m)
18 Ft. (5m) is deducted from maximum spooling capacities for 3 dead wraps per drum.	

Refer to drum and lagging chart No. 8442-A.