



Wire Rope Specifications

Liftcrane - Fixed Jib No. 140 On
Luffing Jib No. 133 or 133A On
Boom No. 79-44

MAX-ER 2000 On 2250

WIRE ROPE LENGTHS					
Boom, Luffing Jib and Fixed Jib Length		Fixed Jib Whip Line Drum 3			
		1 Part		2 Part	
Ft.	Meters	Ft.	Meters	Ft.	Meters
460	140.2	960	293	1425	434
470	143.3	980	299	1450	442
480	146.3	1000	305	1475	450
490	149.4	1020	311	1525	465
500	152.4	1040	317	1550	472
510	155.4	1060	323	1575	480
520	158.5	1080	329	1600	488
530	161.5	1100	335	1625	495
540	164.6	1120	341	1675	511
550	167.6	1140	347	1700	518
560	170.7	1160	354	1725	526
570	175.3	1180	360	—	—
580	176.8	1200	366	—	—
590	179.8	1220	372	—	—
600	182.9	1240	378	—	—
610	185.9	1260	384	—	—
620	182.9	1280	390	—	—

Note: Whip line lengths given in table 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. Hoisting distance or line pull may be limited when hook travel below ground is required. Maximum hook travel may be restricted when whip line length exceeds 1,625 Ft. (495m) using 2 1/2 in. (622 mm) dia. lagging on Drum 3.

WIRE ROPE SPECIFICATIONS	
Whip Line:	1-1/8 in. (28.6 mm) Wire Rope Right Hand Lang Lay, Rotation Resistant Minimum Breaking Strength = 173,800 Lbs. (78 830 kg) Maximum Load = 30,000 Lbs. (13 610 kg) per line MCC Part No. 719375 Approx. Weight = 2.73 Lbs. Per Ft. (4.06 kg/m) No Load Dia. = 1.131 in. (28.73 mm) to 1.166 in. (29.62 mm)

MAXIMUM SPOOLING CAPACITIES	
Drum 9: (Hoist Line)	1-1/8 in. (28.6 mm) Wire Rope - 11 Layers - 4,334 Ft. (1 321m)
Drum 3: (Whip Line)	1-1/8 in. (28.6 mm) Wire Rope - 9 Layers - 1,173 Ft. (358m) 8 Layers - 1,068 Ft. (326m) with 2 1/2 in. (622 mm) Dia. Lagging
21 Ft. (6m) is deducted from maximum spooling capacities for 3 dead wraps on Drum 9, 20 Ft. (6m) on Drum 3.	

Refer to Drum and Lagging chart No. 8195-A.