



Wire Rope Specifications

999 SERIES 2, 3

Liftcrane - Fixed Jib No. 134 On
 Luffing Jib No. 149 On
 Boom No. 82

European
 Standards

| Wire Rope Lengths | | | | | |
|--|--------|--|--------|--------|--------|
| Boom, Luffing Jib and Fixed Jib Length | | Fixed Jib WhipLine Front Drum or Auxiliary Drum | | | |
| | | 1 Part | | 2 Part | |
| Ft. | Meters | Ft. | Meters | Ft. | Meters |
| 280 | 85.3 | 590 | 180 | 900 | 274 |
| 290 | 88.4 | 610 | 186 | 925 | 282 |
| 300 | 91.4 | 630 | 192 | 975 | 297 |
| 310 | 94.5 | 650 | 198 | 1000 | 305 |
| 320 | 97.5 | 670 | 204 | 1025 | 312 |
| 330 | 100.6 | 690 | 210 | 1075 | 328 |
| 340 | 103.6 | 710 | 216 | 1100 | 335 |
| 350 | 106.7 | 730 | 223 | 1125 | 343 |
| 360 | 109.7 | 750 | 229 | 1150 | 351 |
| 370 | 112.8 | 770 | 235 | 1175 | 358 |
| 380 | 115.8 | 790 | 241 | 1225 | 373 |
| 390 | 118.9 | 810 | 247 | 1250 | 381 |
| 400 | 121.9 | 830 | 253 | 1275 | 389 |
| 410 | 125.0 | 850 | 259 | | |
| 420 | 128.0 | 870 | 265 | | |
| 430 | 131.1 | 890 | 271 | | |
| 440 | 134.1 | 910 | 277 | | |
| 450 | 137.2 | 930 | 283 | | |
| 460 | 140.2 | 950 | 290 | | |
| 470 | 143.3 | 970 | 296 | | |
| 480 | 146.3 | 990 | 302 | | |

Note: Whip line lengths given in table will allow hook to touch ground. When hook travel below ground is required, add additional rope times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

Maximum capacity on 26 mm wire rope is 29,500 Lbs. (13 380 kg) per line (20,000 Lbs. [9 070 kg] when auxiliary drum is used).

Refer to drum and lagging chart **No. 8222-A**.



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| Wire Rope Specifications | |
|---|---|
| <u>Rotation Resistant Wire Rope - 5:1 Safety Factor</u> | |
| Whip Line: | 26 mm - 2 160 N/mm ² Wire Rope With Pad Eye (MCC Part No. 719430) Minimum Breaking Strength Required = 147,500 Lbs. (656.1 kN) Maximum Load = 29,500 Lbs. (13 380 kg) Per Line Approx. Weight = 2.13 Lbs Per Ft. (3.17 kg/m) No Load Dia. = 1.033 in. (26.24 mm) to 1.045 in. (26.54 mm) |
| Or | |
| | 26 mm - Wire Rope With Pad Eye (MCC Part No. 719432) Minimum Breaking Strength Required = 147,500 Lbs. (656.1 kN) Maximum Load = 29,500 Lbs. (13 380 kg) Per Line Approx. Weight = 2.39 Lbs Per Ft. (3.56 kg/m) No Load Dia. = 1.034 in. (26.26 mm) to 1.054 in. (26.77 mm) |
| Whip Line: (Auxiliary Drum) | 26 mm - 1 960 N/mm ² Wire Rope (MCC Part No. 719378) Minimum Breaking Strength Required = 100,000 Lbs. (445.0 kN) Maximum Load = 20,000 Lbs. (9 070 kg) Per Line Approx. Weight = 2.13 Lbs. Per Ft. (3.17 kg/m) No Load Dia. (required for lagging) = 1.033 in. (26.24 mm) to 1.045 in. (26.54 mm) |
| Or | |
| | 26 mm - Wire Rope With Pad Eye (MCC Part No. 719432) Minimum Breaking Strength Required = 100,000 Lbs. (445.0 kN) Maximum Load = 20,000 Lbs. (9 070 kg) Per Line Approx. Weight = 2.39 Lbs. Per Ft. (3.56 kg/m) No Load Dia. (required for lagging) = 1.034 in. (26.26 mm) to 1.054 in. (26.77 mm) |

| Maximum Spooling Capacities | |
|--|--|
| Front Drum: (Whip Line) | 26 mm Wire Rope - 7 Layers - 1,727 Ft. (526m) |
| Auxiliary Drum: (Whip Line) | 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) is deducted from maximum spooling capacities for 3 dead wraps per drum or lagging. | |

Note: When optional laggings are used, the recommended lagging for specific wire rope dia. must be used.