

Wire Rope Specifications

555 SERIES 2

Liftcrane - Fixed Jib No. 138A On Luffing Jib No. 155 on Boom No. 84

| Wire Rope Lengths Front Drum Or Auxiliary Drum | | | |
|---|--------|------------------------|--------|
| Boom, Luffing Jib And Fixed Jib Length | | Fixed Jib Whip Line | |
| | | 1 Part | |
| Ft. | Meters | Ft. | Meters |
| 290 | 88.4 | 610 | 186 |
| 300 | 91.4 | 630 | 192 |
| 310 | 94.5 | 650 | 198 |
| 320 | 97.5 | 670 | 204 |
| 330 | 100.6 | 690 | 210 |
| 340 | 103.6 | 710 | 216 |
| 350 | 106.7 | 730 | 223 |
| 360 | 109.7 | 750 | 229 |
| 370 | 112.8 | 770 | 235 |
| 380 | 115.8 | 790 | 241 |
| 390 | 118.9 | 810 | 247 |

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 hook travel below ground is required.

Maximum load on 28 mm wire rope is 26,500 Lbs. (12 000 kg) per line.

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

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Rotation Resistant Wire Rope - 5:1 Safety Factor

Whip 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 = 26,500 Lbs. (12 000 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)

Optional Wire Rope - 3.5:1 Safety Factor

Whip Line: 28 mm - 6 X 36 Extra Extra Improved Plow Steel Wire Rope
With Pad Eye (MCC Part No. A02479)
Right Hand Regular Lay, IWRC
Minimum Breaking Strength = 135,600 Lbs. (603.1 kN)
Maximum Load = 26,500 Lbs. (12 000 kg) Per Line
Approx. Weight = 2.24 Lbs Per Ft. (3.33 kg/m)
No Load Dia. = 1.124 in. (28.55 mm) to 1.146 in. (29.11 mm)

Note: Block spin may occur with 6 x 25 construction wire rope under certain operating conditions.

Maximum Spooling Capacities

Front Drum: 28 mm Wire Rope - 6 Layers - 962 Ft. (293m)
(Whip Line)

Auxiliary Drum: 28 mm Wire Rope - 6 Layers - 962 Ft. (293m)
(Whip Line)

18 Ft. (5m) is deducted from maximum spooling capacities for 3 dead wraps per drum.