



Wire Rope Specifications

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

MAX-ER 2000

On 2250

| WIRE ROPE LENGTHS | | | | | | | | | | | | | | | | |
|-----------------------------|-------|------------------------------|--------|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Boom and Luffing Jib Length | | Luffing Jib Whip Line Drum 3 | | Luffing Jib Hoist Line Drum 9 | | | | | | | | | | | | |
| | | | | 1 Part | | 7 Part | | 6 Part | | 5 Part | | 4 Part | | 3 Part | | 2 Part |
| | | Ft. | Meters | Ft. | Meters | Ft. | Meters | Ft. | Meters | Ft. | Meters | Ft. | Meters | Ft. | Meters | Ft. |
| 270 | 82.3 | 600 | 183 | 2275 | 693 | | | | | | | | | | | |
| 280 | 85.3 | 620 | 189 | — | — | 2050 | 625 | | | | | | | | | |
| 290 | 88.4 | 640 | 195 | 2425 | 739 | 2125 | 648 | | | | | | | | | |
| 300 | 91.4 | 660 | 201 | — | — | 2000 | 610 | 1875 | 572 | | | | | | | |
| 310 | 94.5 | 680 | 207 | 2600 | 792 | 2275 | 693 | 1950 | 594 | | | | | | | |
| 320 | 97.5 | 700 | 213 | — | — | 2325 | 709 | 2000 | 610 | 1675 | 511 | | | | | |
| 330 | 100.6 | 720 | 219 | 2750 | 838 | 2400 | 732 | 2075 | 632 | 1725 | 526 | | | | | |
| 340 | 103.6 | 740 | 226 | — | — | 2475 | 754 | 2125 | 648 | 1775 | 541 | | | | | |
| 350 | 106.7 | 760 | 232 | — | — | 2550 | 777 | 2200 | 671 | 1825 | 556 | | | | | |
| 360 | 109.7 | 780 | 238 | — | — | — | — | 2250 | 686 | 1875 | 572 | 1500 | 457 | | | |
| 370 | 112.8 | 800 | 244 | — | — | — | — | 2300 | 701 | 1925 | 587 | 1550 | 472 | | | |
| 380 | 115.8 | 820 | 250 | — | — | — | — | 2375 | 724 | 1975 | 602 | 1575 | 480 | | | |
| 390 | 118.9 | 840 | 256 | — | — | — | — | — | — | 2025 | 617 | 1625 | 495 | | | |
| 400 | 121.9 | 860 | 262 | — | — | — | — | — | — | 2075 | 632 | 1675 | 511 | 1275 | 389 | |
| 410 | 125.0 | 880 | 268 | — | — | — | — | — | — | 2125 | 648 | 1700 | 518 | 1300 | 396 | |
| 420 | 128.0 | 900 | 274 | — | — | — | — | — | — | 2175 | 663 | 1750 | 533 | 1325 | 404 | |
| 430 | 131.1 | 920 | 280 | — | — | — | — | — | — | — | — | 1800 | 549 | 1350 | 411 | |
| 440 | 134.1 | 940 | 287 | — | — | — | — | — | — | — | — | 1825 | 556 | 1375 | 419 | |
| 450 | 137.2 | 960 | 293 | — | — | — | — | — | — | — | — | 1875 | 572 | 1425 | 434 | |
| 460 | 140.2 | 980 | 299 | — | — | — | — | — | — | — | — | 1900 | 579 | 1450 | 442 | |
| 470 | 143.3 | 1000 | 305 | — | — | — | — | — | — | — | — | 1950 | 594 | 1475 | 450 | |
| 480 | 146.3 | 1020 | 311 | — | — | — | — | — | — | — | — | — | — | 1500 | 457 | |
| 490 | 149.4 | 1040 | 317 | — | — | — | — | — | — | — | — | — | — | 1525 | 465 | |
| 500 | 152.4 | 1060 | 323 | — | — | — | — | — | — | — | — | — | — | 1575 | 480 | |

Note: Hoist line and whip 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 | | | | | | | |
|-----------------------------------|--------|--------|--------|---------|---------|---------|---------|
| No. Parts of Line | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Maximum Load - Lbs. | 30,000 | 60,000 | 90,000 | 120,000 | 150,000 | 180,000 | 193,000 |
| Maximum Load - kg | 13 610 | 27 220 | 40 820 | 54 430 | 68 040 | 81 650 | 87 500 |



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MAX-ER 2000 On 2250

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

| WIRE ROPE SPECIFICATIONS | |
|---|--|
| <u>Rotation Resistant Wire Rope - 5:1 Safety Factor</u> | |
| Hoist Line: | 1-1/8 in. (28.6 mm) Wire Rope Right Hand Regular Lay Minimum Breaking Strength = 176,800 Lbs. (80 190 kg) MCC Part No. 719416 Approx. Weight = 2.58 Lbs. Per Ft. (3.84 kg/m) Minimum Breaking Strength Required = 173,500 Lbs. (78 700 kg) No Load Dia. = 1.134 in. (28.80 mm) to 1.154 in. (29.31 mm) |
| OR | |
| | 1-1/8 in. (28.6 mm) Wire Rope Right Hand Lang Lay Minimum Breaking Strength = 173,800 Lbs. (78 830 kg) MCC Part No. 719375 Approx. Weight = 2.73 Lbs. Per Ft. (4.06 kg/m) Minimum Breaking Strength Required = 173,500 Lbs. (78 700 kg) No Load Dia. = 1.131 in. (28.73 mm) to 1.166 in. (29.62 mm) |
| Whip Line: | 1-1/8 in. (28.6 mm) Wire Rope Right Hand Regular Lay Minimum Breaking Strength = 176,800 Lbs. (80 200 kg) Maximum Load = 30,000 Lbs. (13 610 kg) per line MCC Part No. 719416 Approx. Weight = 2.58 Lbs. Per Ft. (3.84 kg/m) No Load Dia. = 1.134 in. (28.80 mm) to 1.154 in. (29.31 mm) |
| OR | |
| | 1-1/8 in. (28.6 mm) Wire Rope Right Hand Lang Lay 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.**