

# Wire Rope Specifications

Liftcrane - Boom No. B60:500  
Luffing Jib No. LJ10:501 Attached

| Wire Rope Lengths - Tandem Hoist Drums |       |                   |       |                   |       |                     |
|----------------------------------------|-------|-------------------|-------|-------------------|-------|---------------------|
| Boom Length                            |       | Hoist Line Drum 2 |       | Hoist Line Drum 3 |       | Total Parts of Line |
| Meters                                 | Feet  | Meters            | Feet  | Meters            | Feet  |                     |
| 42,0                                   | 137.8 | 360               | 1,180 | 360               | 1,180 | 14                  |
| 48,0                                   | 157.5 | 405               | 1,330 | 405               | 1,330 | 14                  |
| 54,0                                   | 177.2 | 455               | 1,490 | 455               | 1,490 | 14                  |
| 60,0                                   | 196.9 | 440               | 1,450 | 440               | 1,450 | 12                  |
| 66,0                                   | 216.5 | 415               | 1,360 | 415               | 1,360 | 10                  |
| 72,0                                   | 236.2 | 450               | 1,480 | 450               | 1,480 | 10                  |
| 78,0                                   | 255.9 | 410               | 1,340 | 410               | 1,340 | 8                   |
| 84,0                                   | 275.6 | 440               | 1,450 | 440               | 1,450 | 8                   |
| 90,0                                   | 295.3 | 380               | 1,240 | 380               | 1,240 | 6                   |

**Note:** Above hoist line lengths are based on tandem drums both reeved to main load block. Each drum is dead ended in main load block reeving. Total parts of line requires using both drums 2 and 3. Hoist line lengths 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.

Refer to Block Overhaul Weights chart **No. 9413-A** for minimum weight required for block lowering.

| Hoist Reeving for Main Load Block - Two Lead Lines (Drums 2 & 3) |         |         |         |         |         |
|------------------------------------------------------------------|---------|---------|---------|---------|---------|
| No. Parts of Line                                                | 2       | 4       | 6       | 8       | 10      |
| Maximum Load - kg                                                | 33 340  | 66 680  | 100 020 | 133 360 | 166 700 |
| Maximum Load - lb                                                | 73,520  | 147,040 | 220,560 | 294,080 | 367,600 |
| Maximum Load per Part of Line - kg                               | 16 670  | 16 670  | 16 670  | 16 670  | 16 670  |
| Maximum Load per Part of Line - lb                               | 36,760  | 36,760  | 36,760  | 36,760  | 36,760  |
| No. Parts of Line                                                | 12      | 14      |         |         |         |
| Maximum Load - kg                                                | 200 040 | 233 380 |         |         |         |
| Maximum Load - lb                                                | 441,120 | 514,640 |         |         |         |
| Maximum Load per Part of Line - kg                               | 16 670  | 16 670  |         |         |         |
| Maximum Load per Part of Line - lb                               | 36,760  | 36,760  |         |         |         |

# Wire Rope Specifications

**MLC300**  
**VPC-MAX**

Liftcrane - Boom No. B60:500  
Luffing Jib No. LJ10:501 Attached

| Wire Rope Lengths - Single Hoist Drum |       |                   |       |                     |                   |       |                     |
|---------------------------------------|-------|-------------------|-------|---------------------|-------------------|-------|---------------------|
| Boom Length                           |       | Hoist Line Drum 1 |       | Total Parts of Line | Hoist Line Drum 2 |       | Total Parts of Line |
| Meters                                | Feet  | Meters            | Feet  |                     | Meters            | Feet  |                     |
| 42,0                                  | 137.8 | 740               | 2,420 | 16                  | 445               | 1,460 | 9                   |
| 48,0                                  | 157.5 | 790               | 2,590 | 15                  | 455               | 1,490 | 8                   |
| 54,0                                  | 177.2 | 835               | 2,740 | 14                  | 455               | 1,490 | 7                   |
| 60,0                                  | 196.9 | 860               | 2,820 | 13                  | 440               | 1,450 | 6                   |
| 66,0                                  | 216.5 | 810               | 2,660 | 11                  | 420               | 1,370 | 5                   |
| 72,0                                  | 236.2 | 815               | 2,670 | 10                  | 450               | 1,480 | 5                   |
| 78,0                                  | 255.9 | 720               | 2,360 | 8                   | 410               | 1,340 | 4                   |
| 84,0                                  | 275.6 | 690               | 2,260 | 7                   | 440               | 1,450 | 4                   |
| 90,0                                  | 295.3 | 645               | 2,120 | 6                   | 375               | 1,230 | 3                   |

**Note:** Above hoist line lengths are based on single part lead line. Hoist line lengths 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.

Refer to Block Overhaul Weights chart **No. 9413-A** for minimum weight required for block lowering.

# Wire Rope Specifications

Liftcrane - Boom No. B60:500  
Luffing Jib No. LJ10:501 Attached

| Hoist Reeving for Main Load Block - Single Lead Lines (Drum 1 or 2) |         |         |         |         |         |         |
|---------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
| No. Parts of Line                                                   | 1       | 2       | 3       | 4       | 5       | 6       |
| Maximum Load - kg                                                   | 16 670  | 33 340  | 50 010  | 66 680  | 83 350  | 100 020 |
| Maximum Load - lb                                                   | 36,760  | 73,520  | 110,280 | 147,040 | 183,800 | 220,560 |
| Maximum Load per Part of Line - kg                                  | 16 670  | 16 670  | 16 670  | 16 670  | 16 670  | 16 670  |
| Maximum Load per Part of Line - lb                                  | 36,760  | 36,760  | 36,760  | 36,760  | 36,760  | 36,760  |
| No. Parts of Line                                                   | 7       | 8       | 9       | 10      | 11      | 12      |
| Maximum Load - kg                                                   | 116 690 | 133 360 | 150 030 | 166 700 | 183 370 | 200 040 |
| Maximum Load - lb                                                   | 257,320 | 294,080 | 330,840 | 367,600 | 404,360 | 441,120 |
| Maximum Load per Part of Line - kg                                  | 16 670  | 16 670  | 16 670  | 16 670  | 16 670  | 16 670  |
| Maximum Load per Part of Line - lb                                  | 36,760  | 36,760  | 36,760  | 36,760  | 36,760  | 36,760  |
| No. Parts of Line                                                   | 13      | 14      | 15      | 16      |         |         |
| Maximum Load - kg                                                   | 216 710 | 233 380 | 250 050 | 266 720 |         |         |
| Maximum Load - lb                                                   | 477,880 | 514,640 | 551,400 | 588,100 |         |         |
| Maximum Load per Part of Line - kg                                  | 16 670  | 16 670  | 16 670  | 16 670  |         |         |
| Maximum Load per Part of Line - lb                                  | 36,760  | 36,760  | 36,760  | 36,760  |         |         |

# Wire Rope Specifications

**MLC300  
VPC-MAX**

Liftcrane - Boom No. B60:500  
Luffing Jib No. LJ10:501 Attached

| Wire Rope Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><u>Rotation Resistant Wire Rope</u></p> <p><b>Hoist Line:</b></p> <p><b>28 mm</b> (Drum 1):</p> <p>Wire Rope with Spelter Button and Pad Eye<br/>Right Hand Lang Lay<br/>Minimum Breaking Strength = 83 370 kg (183,800 lb)<br/>Approx. Weight = 4,2 kg/m (2.8 lb/ft)<br/>No Load Dia. = 28.83 mm (1.135 in) to 29.08 mm (1.145 in)<br/>MCC Reference No. 81025289, 81026075, or 81024556</p> <p><b>Auxiliary Line:</b></p> <p><b>28 mm</b> (Drums 2 &amp; 3):</p> <p>Wire Rope with Spelter Button and Pad Eye<br/>Right Hand Lang Lay<br/>Minimum Breaking Strength = 83 370 kg (183,800 lb)<br/>Approx. Weight = 4,2 kg/m (2.8 lb/ft)<br/>No Load Dia. = 28.83 mm (1.135 in) to 29.08 mm (1.145 in)<br/>MCC Reference No. 81025289, 81026075, or 81024556</p> |

| Maximum Spooling Capacities                                                       |                                                                   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Drum 1:<br>(Hoist Line)                                                           | 28 mm Wire Rope - 8 Layers - 939 m (3,082 ft)                     |
| Drum 2:<br>(Auxiliary Line)                                                       | 28 mm Wire Rope - 6 Layers - 418 m (1,372 ft) - non-freefall drum |
| Drum 3:<br>(Auxiliary Line)                                                       | 28 mm Wire Rope - 6 Layers - 418 m (1,372 ft) - non-freefall drum |
| 7 m (22 ft) is deducted from maximum spooling capacity for 3 dead wraps per drum. |                                                                   |

Refer to Drum and Lagging chart **No. 9339-A** and Load Block Reeving in the Operator Manual.