Wire Rope Specifications

Manitowoc®

MLC300

Clamshell/Grapple
Boom No. B10:500

Wire Rope Lengths					
Boom Length		Drum 2 Closing Line		Drum 3 Holding Line	
Meters	Feet	Meters	Feet	Meters	Feet
30,0	98.4	94	307	72	235
36,0	118.1	105	345	84	273
42,0	137.8	117	382	95	311

Lengths are based on a 65 degree boom angle, 6 m (20 ft) digging depth, and 22 m (72 ft) for reeving bucket.

Rewrap on front drum (closing line) will occur if hoisting distance exceeds approximately 32 m (105 ft) from ground level with boom at 65 degree angle and digging depth of 6 m (20 ft). The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size, or length of wire rope.

Wire Rope Specifications
Rotation Resistant Wire Rope - 5:1 Safety Factor

Closing or Holding Line: 28 mm - Wire Rope with Spelter Button and Pad Eye or Wedge Socket Right Hand Lang Lay Rotation Resistant
Minimum Breaking Strength = 83 370 kg (183,800 lb)
Maximum Load = 16 600 kg (36,760 lb) Per Line
Approx. Weight - 4,2 kg/m (2.8 lb/ft)
    No Load Dia.= 28.83 mm (1.135 in) to 29.08 mm (1.145 in)
    MCC Reference No. 81025289, 81026075, or 81024556

Optional Wire Rope - 3.5:1 Safety Factor

Closing or Holding Line: 28 mm - Wire Rope with Pad Eyes Right Hand Regular Lay
Minimum Breaking Strength = 70 460 kg (155,340 lb)
Maximum Load = 20 000 kg (44,000 lb) Per Line
Approx. Weight - 3,5 kg/m (2.4 lb/ft)
    No Load Dia = 28.70 mm (1.130 in) to 29.26 mm (1.152 in)
    MCC Reference No. 80111480
 	
OR
 	
Wire Rope with Pad Eyes Left Hand Regular Lay
Minimum Breaking Strength = 70 460 kg (155,340 lb)
Maximum Load = 20 000 kg (44,000 lb) Per Line
Approx. Weight - 3,5 kg/m (2.4 lb/ft)
    No Load Dia = 28.70 mm (1.130 in) to 29.26 mm (1.152 in)
    MCC Reference No. 80111477

Refer to Drum and Lagging chart **No. 9339-A**.

Warning: Free fall operation is limited to 8 300 kg (18,300 lb) per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power shall be used for full line pull. *Permanent brake damage could occur allowing the load to lower uncontrolled.*