

Hydraulic Rope Gripper®

MODELS 620 AND 622 FOR SPREADS UP TO 6 1/2 IN.

The Rope Gripper is the industry's best way to prevent unintended cab movement. It is designed to prevent over-speeding and unintended movement should the doors remain open.

If either of those conditions occur, the Rope Gripper gently but firmly clamps the ropes to stop motion in a way that does not damage the rope or cause undue stress to the machine or sheaves. Protection is provided even during slipping traction.

The Rope Gripper is easily installed and aligned. Only four wires are needed to connect the Rope Gripper to the controller. The device is mechanically triggered and hydraulically reset.

A standard 27 in. hose is included. Hoses of up to 96 in. are in stock and longer lengths are available. An auxiliary interface panel (p/n FMG1) is available for legacy control systems.



MEGA Stock Code: HW620

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	5 ¼ in. (124 mm)	5 ¼ in. (124 mm)
Power	6A, 120VAC, 1 PH, 60Hz for all units	6A, 120VAC, 1 PH, 60Hz for all units
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units	6A, 250VAC, 0.15A, 250VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (76.2 mm) / 6 in. (152 mm) total	± 3 in. (76.2 mm) / 6 in. (152 mm) total
Rated speed (max)	350 ft/m (1.78 m/s)	250 ft/m (1.27 m/s)
Tripping speed	402 ft/m (2.04 m/s)	303 ft/m (1.54 m/s)
Car rated load (max)*	2,500 lbs (1,134 kg)	5,000 lbs (2,268 kg)
Car rated load (min)*	600 lbs (272 kg)	1,500 lbs (680 kg)
System mass (max)**	11,500 lbs (5,216 kg)	23,000 lbs (10,432 kg)
Car+Cwt.mass (min)	2,280 lbs (1,034 kg)	6,000 lbs (2,722 kg)
Shipping weight	100 lbs (45 kg)	100 lbs (45 kg)

MEGA Stock Code: HW622

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	6 ½ in. (165 mm)	6 ½ in. (165 mm)
Power	6A, 120VAC, 1 PH, 60Hz for all units	6A, 120VAC, 1 PH, 60Hz for all units
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units	6A, 250VAC, 0.15A, 250VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (76.2 mm) / 6 in. (152 mm) total	± 3 in. (76.2 mm) / 6 in. (152 mm) total
Rated speed (max)	600 ft/m (3.05 m/s)	400 ft/m (2.03 m/s)
Tripping speed	690 ft/m (3.51 m/s)	459 ft/m (2.33 m/s)
Car rated load (max)*	5,000 lbs (2,268 kg)	10,000 lbs (4,536 kg)
Car rated load (min)*	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)
System mass (max)**	18,600 lbs (8,437 kg)	38,000 lbs (17,236 kg)
Car+Cwt.mass (min)	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)
Shipping weight	180 lbs (82 kg)	180 lbs (82 kg)

*with 40 - 50% counterweight

**includes car, car load, counterweight, hoist and compensation rope mass

624/625/626 Hydraulic Rope Gripper®

Benefits:

- Eliminates rope damage and machine stress
- Easy to install and align
- Provides protection when slipping traction
- Provides constant and powerful braking force throughout life of linings



Features:

- Compatible with spreads up to 10 to 13-3/4 in. (254 to 349 mm)
- Small, self-contained compact design
- Provides adequate clearances between the rope and self-grooving “grip” linings
- Mechanically triggered and hydraulically reset
- Available in a wide variety of hose lengths (27 in. hose is standard and included), 30 ft max
- Optional auxiliary fault monitor p/n FMG1
- Only 4 wires are needed to connect the Rope Gripper to the controller
- Adjustable for rope size
- Made in the USA

MEGA Stock Code: HW624

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	10 in. (254 mm)	10 in. (254 mm)
Power	6A, 120VAC, 1 PH, 60Hz for all units	6A, 120VAC, 1 PH, 60Hz for all units
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units	6A, 250VAC, 0.15A, 250VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units
Rated speed (max)	1,200 f/m (6.10 m/s)	800 f/m (4.06 m/s)
Tripping speed	1,368 f/m (6.95 m/s)	921 f/m (4.68 m/s)
Car rated load (max)*	5,000 lbs (2,268 kg)	10,000 lbs (4,536 kg)
Car rated load (min)*	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)
System mass (max)**	18,600 lbs (8437 kg)	38,000 lbs (17,236 kg)
Car and CWT (min)**	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)
Shipping weight	300 lbs (136 kg)	300 lbs (136 kg)

MEGA Stock Code: HW625

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	11 1/2 in. (292 mm)	11 1/2 in. (292 mm)
Power	6A, 120VAC, 1 PH, 60Hz for all units	6A, 120VAC, 1 PH, 60Hz for all units
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units	6A, 250VAC, 0.15A, 250VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units
Rated speed (max)	1,200 f/m (6.10 m/s)	800 f/m (4.06 m/s)
Tripping speed	1,368 f/m (6.95 m/s)	921 f/m (4.68 m/s)
Car rated load (max)*	5,000 lbs (2,268 kg)	10,000 lbs (4,536 kg)
Car rated load (min)*	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)
System mass (max)**	18,600 lbs (8437 kg)	38,000 lbs (17,236 kg)
Car and CWT (min)**	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)
Shipping weight	300 lbs (136 kg)	300 lbs (136 kg)

MEGA Stock Code: HW626

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	10 / 13 3/4 in. (254 / 349 mm)	10 / 13 3/4 in. (254 / 349 mm)
Power	6A, 120VAC, 1 PH, 60Hz for all units	6A, 120VAC, 1 PH, 60Hz for all units
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units	6A, 250VAC, 0.15A, 250VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units
Rated speed (max)	1,200 f/m (6.10 m/s)	800 f/m (4.06 m/s)
Tripping speed	1,368 f/m (6.95 m/s)	921 f/m (4.68 m/s)
Car rated load (max)*	10,000 lbs (4,536 kg)	20,000 lbs (9,072 kg)
Car rated load (min)*	2,500 lbs (1,134 kg)	5,000 lbs (2,268 kg)
System mass (max)**	38,000 lbs (17,236 kg)	76,000 lbs (34,472 kg)
Car and CWT (min)**	8,000 lbs (3,629 kg)	16,000 lbs (7,258 kg)
Shipping weight	335 lbs (152 kg)	335 lbs (152 kg)

* with 40 - 50% counterweight

** includes car, car load, counterweight, hoist and compensation rope mass

Linear Rope Gripper®

Benefits:

- Eliminates rope damage and machine stress
- Easy to install and align
- Provides protection when slipping traction
- Provides constant and powerful braking force throughout life of linings

Features:

- Compatible with spreads up to 5-1/4 (620L) or 6-1/2 in. (622L) (133 to 165 mm)
- Small, self-contained compact design
- Eliminates the need for a hydraulic pump for installation in smaller areas
- Adjustable for rope size
- Only four wires are needed to connect the Rope Gripper to the controller



MEGA Stock Code: HW620L

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	5¼ in. (133 mm)	5¼ in. (133 mm)
Power	1A, 110 - 240VAC, 1 PH, 50/60Hz for all units	1A, 110 - 240VAC, 1 PH, 50/60Hz for all units
Contact ratings	5A, 250VAC / 5A, 30VDC for all units	5A, 250VAC / 5A, 30VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units
Rated speed (max)	350 f/m (1.78 m/s)	250 f/m (1.27 m/s)
Tripping speed	402 f/m (2.04 m/s)	303 f/m (1.54 m/s)
Car rated load (max)*	2,560 lbs (1,161 kg)	5,120 lbs (2,322 kg)
Car rated load (min)*	600 lbs (272 kg)	1,500 lbs (680 kg)
System mass (max)**	12,070 lbs (5,475 kg)	24,140 lbs (10,950 kg)
Car and CWT (min)**	2,280 lbs (1,034 kg)	6,000 lbs (2,722 kg)
Shipping weight	80 lbs (36 kg)	80 lbs (36 kg)

MEGA Stock Code: HW622L

Specification	1:1 Roping	2:1 Roping
Out-to-out (max)	6½ in. (165 mm)	6½ in. (165 mm)
Power	1A, 110 - 240VAC, 1 PH, 50/60Hz for all units	1A, 110 - 240VAC, 1 PH, 50/60Hz for all units
Contact ratings	5A, 250VAC / 5A, 30VDC for all units	5A, 250VAC / 5A, 30VDC for all units
Closing time	0.3 seconds for all units	0.3 seconds for all units
Door zone (max)	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units	± 3 in. (6 in. total) [± 76.2 mm (152.4 mm total)] for all units
Rated speed (max)	600 f/m (3.05 m/s)	400 f/m (2.03 m/s)
Tripping speed	690 f/m (3.51 m/s)	459 f/m (2.33 m/s)
Car rated load (max)*	5,000 lbs (2,268 kg)	10,000 lbs (4,536 kg)
Car rated load (min)*	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)
System mass (max)**	18,600 lbs (8,437 kg)	38,000 lbs (17,237 kg)
Car and CWT (min)**	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)
Shipping weight	120 lbs (54 kg)	120 lbs (54 kg)

Note: Four 1/2" bolts (Grade 5) are required for models 620L and 622L

* with 40 - 50% counterweight

** includes car, car load, counterweight, hoist and compensation rope mass