

# 624/625/626

## Hydraulic Rope Gripper®

### UNMATCHED DESIGN, INDUSTRY-LEADING SAFETY, INNOVATION

Industry's best way to  
prevent overspeeding  
and unintended  
cab movement

#### 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



Model  
626/626SPL  
(hydraulic unit  
not shown)

Model 624/625  
(hydraulic unit  
not shown)



A **VANTAGE** Company

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#### REGIONAL SERVICE CENTERS

Miami – 877.241.9354  
Chicago – 877.300.5830  
Los Angeles – 877.300.5816  
New York – 347.226.4555  
Toronto – 888.425.2262

## 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

### WHEN ORDERING, PLEASE SPECIFY

- Capacity
- Maximum car speed
- Weight of
  - empty car
  - counterweight
  - traction rope weight
  - compensation rope weight
- Number, size and lay (regular or lang) of ropes
- Out-to-out spread of ropes
- Rope configurations
- Hydraulic hose length

### ADDITIONAL INFORMATION

- The 624 and 625 models are two-spring units; the 626 model is a three-spring unit
- Hydraulic units can be mounted on either side of the Rope Gripper
- Four 5/8 in. bolts (Grade 5) required to mount the Rope Gripper for all models
- Four 1/4 in. 20 NC bolts suggested to mount the hydraulic unit

## SPECIFICATIONS

SPECIFICATIONS	MODEL 624 1:1 ROPING	MODEL 624 2:1 ROPING	MODEL 625 1:1 ROPING	MODEL 625 2:1 ROPING	MODEL 626 1:1 ROPING	MODEL 626 2:1 ROPING
Out-to-out (max)	10 in. (254 mm)	10 in. (254 mm)	11 1/2 in. (292 mm)	11 1/2 in. (292 mm)	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					
Contact ratings	6A, 250VAC, 0.15A, 250VDC for all units					
Closing time	0.3 seconds for all units					
Door zone (max)	± 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)	1,200 f/m (6.10 m/s)	800 f/m (4.06 m/s)	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)	1,368 f/m (6.95 m/s)	921 f/m (4.68 m/s)	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)	5,000 lbs (2,268 kg)	10,000 lbs (4,536 kg)	10,000 lbs (4,536 kg)	20,000 lbs (9,072 kg)
Car rated load (min)*	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)	1,500 lbs (680 kg)	2,500 lbs (1,134 kg)	2,500 lbs (1,134 kg)	5,000 lbs (2,268 kg)
System mass (max)**	18,600 lbs (8437 kg)	38,000 lbs (17,236 kg)	18,600 lbs (8437 kg)	38,000 lbs (17,236 kg)	38,000 lbs (17,236 kg)	76,000 lbs (34,472 kg)
Car and CWT (min)**	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)	6,000 lbs (2,722 kg)	8,000 lbs (3,629 kg)	8,000 lbs (3,629 kg)	16,000 lbs (7,258 kg)
Shipping weight	300 lbs (136 kg)	300 lbs (136 kg)	300 lbs (136 kg)	300 lbs (136 kg)	335 lbs (152 kg)	335 lbs (152 kg)

\* with 40 - 50% counterweight

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