



# PARTS

A N D A C C E S S O R I E S

# REPLACEMENT ROLLER WHEELS.

**G**ENUINE **ELSCO** ROLLER WHEELS ARE THE CONTRACTOR'S BEST OPTION FOR REPLACEMENT PARTS FOR ORIGINAL **ELSCO** EQUIPMENT. NO OTHER AFTERMARKET REPLACEMENT ROLLER OFFERS THE SAME COMBINATION OF SUPERIOR MATERIALS, PRECISION ENGINEERING, AND QUALITY CONTROL.

## FEATURES UNIQUE TO ELSCO REPLACEMENT ROLLERS:

**1. Neoprene rubber** roller wheels are optimized for maximum ride comfort and minimal noise. Other manufacturers rely on "quiet poly" compounds, but only ELSCO's neoprene compound provides the damping characteristics essential to ride quality in passenger applications. ELSCO also offers several grades of polyurethane tires for specialized freight, service, and outdoor applications.

**2. Precision Ball Bearings** guarantee years of silent use. ELSCO specifies bearings intended for the high RPMs and demanding loads of electric motors – conditions far more rigorous than typically seen in elevator applications. This means that after years of operation and tens of millions of cycles, only ELSCO roller wheels remain completely silent.

**3. Precision Manufacturing Techniques** ensure maximum consistency and performance. ELSCO Neoprene roller wheels are precision-ground to within

0.002 inches (0,51mm) "Total Indicator Reading" for perfect roundness and concentricity. Bearing bores are machined to a tolerance of five ten-thousandths (0.0005) of an inch (0,127mm), and two bearings are pressed into each wheel by a computer-driven press, ensuring perfect fit and alignment.

**4. Rigorous quality inspections** ensure total customer satisfaction. ELSCO wheels are 100% stress tested under shear to ensure a proper bond of the tire material to the hub, and 100% visually inspected for tire defects such as knit lines. Other inspections ensure runout concentricity of the wheel to its bearing. Rubber compounds are periodically checked for proper durometer, damping characteristics, and "memory" shape retention.



## Which ELSCO roller compound is right for your application?

ELSCO Roller wheels are available in three different rolling compounds to suit the full spectrum of elevator applications:

**A. Neoprene rubber** roller wheels are the ELSCO standard, recommended for most passenger applications. Optimized to provide premium ride quality and low noise, only genuine ELSCO neoprene wheels provide the damping characteristics essential to ride quality, and only genuine ELSCO neoprene wheels are engineered with high "memory" characteristics that prevent flat spots.

**B. Red Polyurethane** roller wheels are typically recommended for extreme freight applications. Using a very hard tread compound, these rollers are engineered to withstand the high static loading conditions typically encountered in freight

elevators and severely unbalanced cars. This resistance to deflection comes at the expense of ride quality and noise suppression; these wheels are therefore not commonly recommended for passenger elevators.

**C. Green Polyurethane** roller wheels offer a compromise solution where challenging static loading conditions are expected, yet ride quality remains a priority. ELSCO green poly rollers are compounded to a medium hardness that is able to handle high static loads, but retains some ride quality benefits. Green poly rollers are most commonly recommended in hospital cars and high speed passenger/service elevators.

For more information about ELSCO roller wheel compounds and recommendations, please refer to the Frequently Asked Questions section of the ELSCO catalog, or simply refer to the ELSCO Guide Selector Chart. You can always call an ELSCO guide specialist at 410.363.9020 for assistance.

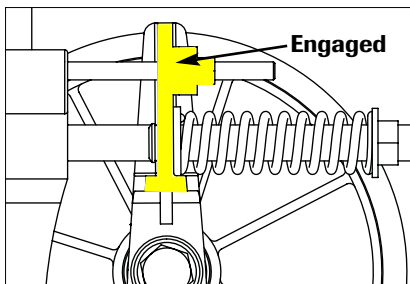
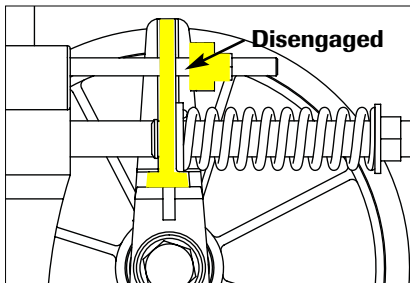


**Adjustable Stop Kits**

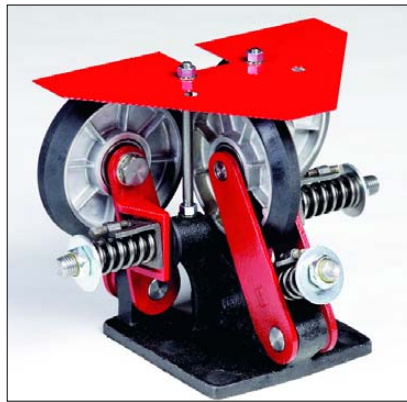
ELSCO adjustable stop kits are available for all ELSCO spring-loaded roller guides and the complete line of swivel sliding guide shoes. All spring-loaded roller guides allow the car or counterweight to float between the elevator rails; adjustable stops enable precise control over the amount of this float.

All ELSCO car roller guides come equipped standard with adjustable stops: Model A, Model B, Express-3, and Express-6. Adjustable stops are optional with all ELSCO counterweight guides and swivel sliding guide shoes: Model C, Model D, Model SA-15, SA-8, SC-8, and SD-8. Adjustable stops are also available as replacement items for guides already installed in the field.

See the Frequently Asked Questions section of the ELSCO catalog for further information about adjustable stops. **You can also always call an ELSCO guide specialist at 410.363.9020 for assistance.**



*Adjustable stops shown with float gap (above) and with arm bottomed out on stop (below)*



*Model B Roller Guide with cover guard*

**Guide Cover Guard Kits**

Cover guard kits are available for all spring-loaded ELSCO roller guides. These cover guards protect roller guides from dust and debris, while also shielding elevator personnel from the potential pinch point between the rollers and the rail.

Made from durable sheet steel, and powder-coated for extra durability and a high-quality appearance, ELSCO cover guard kits come complete with all necessary mounting hardware. In some instances, field modifications may be necessary to retrofit cover guard kits to roller guides that were not originally ordered with them.

See the Frequently Asked Questions section of the ELSCO catalog for further information about guide cover guard kits. **You can also always call an ELSCO guide specialist at 410.363.9020 for assistance.**

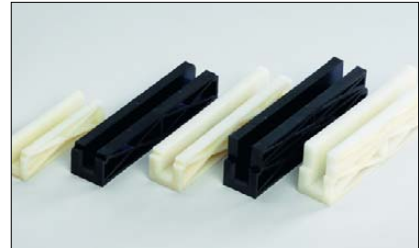
**Molybdenum Disulfide-Filled Rail Gibs**

Standard swivel sliding guide shoes from ELSCO are equipped with low-friction nylon gibs that are ideal for most applications where the rails are lubricated.

Optional molybdenum disulfide-filled gibs are available as an option. Impregnated with a solid lubricant, molybdenum disulfide-filled gibs provide better wear

characteristics in installations where rail lubrication is not possible.

Standard nylon gibs shown in white, molybdenum disulfide-filled nylon gibs shown in black.



*ELSCO Rail Gibs*

**Seismic Retainer Plates**

ELSCO offers 0.5-inch (13mm) steel emergency retainer plates designed for simple installation in conjunction with ELSCO roller guides. These emergency retainer plates keep the car or counterweight securely on the guide rails during a seismic event or other emergency situation. ELSCO seismic retainer plates are available for the full line of ELSCO roller guides, for a variety of different rail sizes.

**Other Spare Parts, Accessories, and Modifications**

ELSCO also offers a wide variety of other replacement parts, accessories, and modifications. These include guide modifications to accommodate certain jumbo rail sizes, spare replacement parts such as springs and hardware for roller guides in the field, and special plating and grease fitting modifications for demanding environmental conditions.

**Whatever your need, request, or special order, don't hesitate to contact an ELSCO guide specialist at 410.363.9020 for fast, friendly, and reliable service.**