

Roller Guides and Guide Shoes

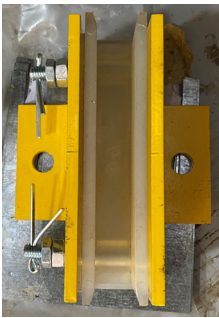
Give new life to your elevator and enhance the ride quality for your passengers



Sigma is pleased to offer several types of guide rollers and shoes, using innovative technology designed to improve the ride quality and reliability of your elevator.

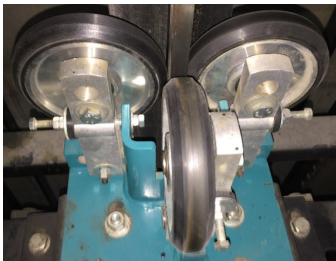
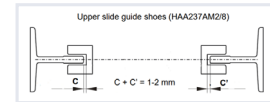
WHAT IS A ROLLER GUIDE OR A GUIDE SHOE?

Roller guides or guide shoes are devices that keep the elevator and counterweight properly aligned, as they travel along the hoistway.



GUIDE SHOES

- Used on lower speed elevators.
- Designed to maintain a gap between the insert and the rail.
- Uses a wearable liner to keep the elevator aligned properly to the rails, and improving the ride quality for passengers .
- If gap narrows, the rail will contact the wearable insert to maintain ride quality. - - - - ->



ROLLER GUIDES

- Used on mid speed elevators.
- Increases the ride quality for higher speed elevators by reducing vibration inside the cab.
- The rollers, often made from a neoprene compound, contact the rails to maintain elevator alignment and help reduce vibration felt inside the elevator.
- Rollers come in different sizes to suit your existing application.

REPLACEMENT

- Guide rollers have to be replaced when they are cracked or broken.
- Guide shoes have to be replaced when the liner is worn away over 1mm.



IF YOU DO NOT REPLACE ON TIME...

- Loud noises combined with a rough riding experience will cause anxiety for passengers.
- The car and/or the counterweight can be moved out of the correct position within the guardrail, which creates a serious safety issue.
- Worn down guide shoes or roller guides can cause reliability issues through an increase in service calls and elevator down time.



Ultra Roller Guide

Give new life to your elevator and enhance the ride quality for your passengers



WHAT IS A COUPLED ROLLER GUIDE?

The Ultra Roller guide system features innovative technology designed for high speed and high-rise elevators. With an unprecedented spring-damper like system coupled into one, instead of a traditional decoupled system, the Ultra Roller guide improves the ride quality and passenger experience.

SUPERIOR QUALITY

As buildings age, they tend to settle, causing hoistway rail misalignment. This can create horizontal forces on the elevator which leads to poor ride quality. Using a coupled spring-damper system provides an improved ability to transfer horizontal forces vertically, which avoids vibration and enhances customer experience.

BENEFITS

- Passenger satisfaction and reassurance.
- Smoother, more consistent ride quality.
- Quick installation with minimal downtime.
- Reduced vibration versus traditional guide roller systems.

ULTRA ROLLER GUIDE

The high-quality, precision engineer assembly is easy to install and is virtually maintenance-free.



CONTACT YOUR LOCAL SIGMA DISTRIBUTOR TODAY TO LEARN MORE ABOUT THE RANGE OF ROLLER GUIDE AND GUIDE SHOE OPTIONS AVAILABLE TO SUIT ALL YOUR NEEDS.