



MODELE

Ride Quality, Simplicity, Economy

Fixed roller guides the ELSCO way. Premium neoprene rollers and adjustability on all three wheels, provides easy installation and a smooth, quiet ride.

Designed for elevator cars up to 500 fpm or 4,000lbs capacity & for counterweights up to 500 fpm and 3,500 lbs, in low-rise buildings.

The Model E is a three-wheel fixed roller guide with adjustable eccentric wheel studs on the face and side rollers, and three premium 3-1/4" diameter neoprene rollers.

Engineered and tested to meet ASME 17.1/CSA B44 and EN81 standards, ELSCO's Model E roller guide has a durable, precision machined, cast ductile iron base and is assembled using quality parts to ensure your elevator ride will **GO UNNOTICED.**



SIMPLIFY INSTALLATION

1 Eccentric Wheel Studs

- Allow the face and side rollers to be adjusted up to 1/8" (3 mm) and ensure the correct wheel pressure on the rail, which absorbs vibration and reduces ride harshness



MINIMIZED NOISE AND VIBRATION

2 Neoprene Rubber Rollers

- Precision manufactured using ELSCO's proprietary neoprene rubber tread compound
- 65A durometer tread dampens vibration and reduces noise
- Precisely ground tread profile provides a balanced and concentric roller
- High-memory tread characteristics prevent flat spotting
- Excellent resistance to oils, chemicals and UV for extended life

ROBUST DESIGN

4 Durable, Precision Machined Casting

- Precisely machined base casting ensures the final assembly is of the highest quality
- Tested to meet applicable codes and standards ensuring the guides provide a lifetime of reliable performance

COUNTERWEIGHT APPLICATIONS

- The Model E Roller Guide is also recommended for use as a counterweight guide at speeds up to 500 fpm or 4,000 lbs

3 Precision Ball Bearings

- Industrial grade, high quality ball bearings will last for millions of cycles
- Dual bearing design provides the roller wheel extra stability to ensure a true ride, free of noise and vibration
- Precision bearing press process during assembly at ELSCO ensures perfect fit, alignment and quality

APPLICATIONS TABLE

Use the passenger car or passenger counterweight table depending on the roller guide usage. Find the intersection of the passenger car or counterweight's speed and capacity to confirm the roller guide is recommended for the application.

CAPACITY	PASSENGER CAR PLATFORM UP TO 10' WIDE X 8' DEEP/ (3050 mm X 2440 mm)			PASSENGER COUNTERWEIGHT			
	fpm SPEED m/s	100 0.5	200 1.0	300 1.5	100 0.5	250 1.3	500 2.5
	≤ 2,000 lbs 900 kg						
2,500 lbs 1,100 kg			●				
3,000 lbs 1,400 kg		●					
3,500 lbs 1,600 kg							
4,000 lbs 1,800 kg							
4,500 lbs 2,000 kg							
Not every elevator is the same. If your application is not indicated in the red shaded area, please contact ELSCO Customer Service for expert application assistance.				● Red Polyurethane			

ROLLER GUIDE RAIL COMPATIBILITY

● Compatible

○ Check Clearance

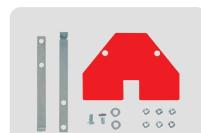
PART #	RAIL SIZES									
	ISO ASME	T78	T82 5.75#	T89 8#	T90	T114 11#	T125 12#	T127-1 12#	T127-2 15#	T140-1 18#
	WIDTH (in) WIDTH (mm)	0.394 10.0	0.354 9.0	5/8 16	5/8 16	5/8 16	5/8 16	5/8 16	5/8 16	3/4 19
EE02200			●	●	●	●	●	●	●	

RECOMMENDATIONS AND SPECIAL CONDITIONS

- Suited for use on hydraulic elevators
- For elevators with higher capacity and speed applications, or if the car is heavily leaning or imbalanced, contact ELSCO Customer Service for guide selection recommendations

OPTIONAL ACCESSORIES

Cover Plate Kit



(EE02214)

SEISMIC ACCESSORIES

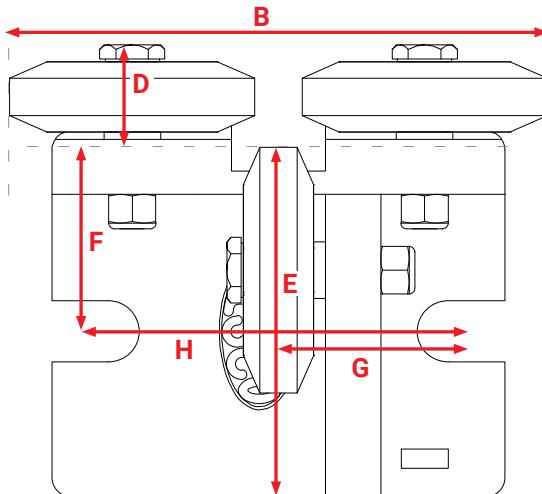
Seismic plates must be installed if the guide is used to meet the elevator seismic requirements per ASME A17.1/CSA B44.19, section 8.4 in seismic risk zones 2 or greater.

ISO ASME	RAIL SIZES					
	T89 8#	T114 11#	T125 12#	T127-1 12#	T127-2 15#	T140-2 22#
Seismic Retainer Plate	EE06008			EE06015		

CRITICAL DIMENSIONS

GUIDE MEASUREMENTS

A - Height, overall	6-1/4" (159 mm)
Height, overall with optional Seismic Plate	6-13/16" (172 mm)
Height, minimum clearance with optional Cover Plate	6-15/16" (177 mm)
B - Width, overall maximum	7-1/4" (184 mm)
C - Depth, overall maximum	6" (152 mm)
D - Distance from front to face of rail	1-3/8" (35 mm)
E - Depth, from face of rail	4-5/8" (117 mm)



BOLT HOLE LOCATIONS

F - Depth, from face of rail to center of bolt hole	2-7/16" (62 mm)
G - Distance from center of face wheel to center of bolt	2-1/4" (57 mm)
H - Distance between bolts on center, x-axis	4-5/16" (109 mm)

MOUNTING BOLT HOLES

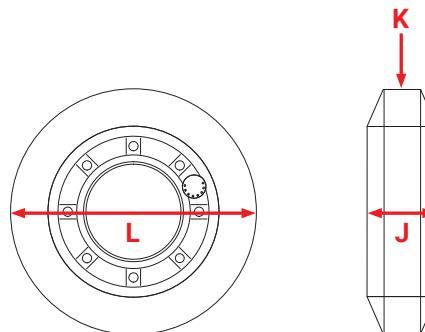
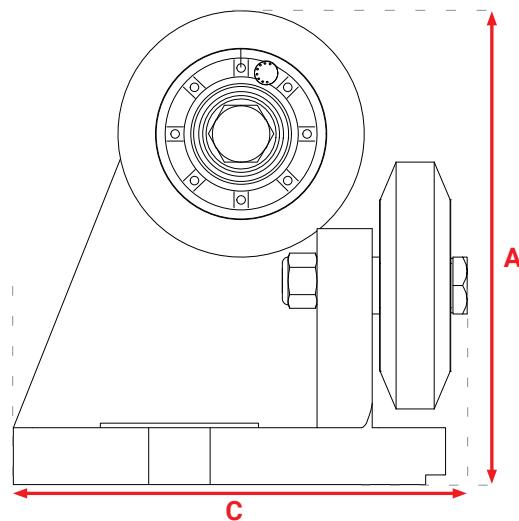
Number of bolt holes	2
Bolt hole dimensions	13/16" x 3/4" (21 mm x 19 mm)

WEIGHT

Each guide	11.68 lbs (5.31 kg)
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ROLLER WHEELS

J - Width at hub	15/16" (24 mm)
K - Neoprene tread width - face & side arm	1/2" (12.7 mm)
L - Diameter	3-1/4" (83 mm)
Bearing I.D.	0.5906" (15 mm)
Runout (total indicator reading)	0.002" (0.051")



Scan here to learn more about the Model E Roller Guide and other ELSCO products.