



MODEL B

The industry's #1 choice of roller guide for elevator modernization

The highly adjustable Model B roller guide allows contractors to maximize returns by providing a cost effective way to deal with the hoistway imperfections that affect elevator ride performance.

Designed for elevator cars with speeds up to 500 fpm and 4,000 lb capacity in low- to mid-rise buildings.

The Model B is a three-wheel roller guide with spring suspension, adjustable stops in all directions, and three premium 6" diameter neoprene roller wheels.

Engineered and tested to meet ASME A17.1/CSA B44 and EN 81 standards, ELSCO's Model B roller guide is constructed from durable, precision-machined ductile iron castings and is assembled using quality parts to ensure your elevator ride will **GO UNNOTICED.**

OPTIMIZED RIDE QUALITY

- › Adjustable product features and precision-made components allow this guide to meet even the most demanding ride quality specifications
- › Maximum adjustability allows for the optimum reduction in lateral peak-to-peak forces which improves ride quality

MINIMIZED NOISE AND VIBRATION

1 Neoprene Rubber Roller Wheels

- › 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

2 Precision Ball Bearings

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

UNMATCHED CONTROL OF FLOAT

3 Fully Adjustable Stabilizing Springs

- › Independently adjust the pre-load force of the rollers on the rail to minimize bumps and vibration
- › Allow for maximum adjustability to optimize reduction in peak-to-peak lateral forces which improves ride quality

4 Adjustable Stops

- › Allow independent control of the overall float of the elevator car between the rails in post-to-post and front-to-back directions
- › Allow for precise final adjustments to deal with troublesome hoistway issues

DURABLE, ENGINEERED DESIGN

5 Robust Casting and Design Features

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



Model B
(EB02100)

APPLICATIONS TABLE

Find the elevator type and verify the platform falls within the platform dimensions listed for that elevator. Next, find the intersection of the elevator'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)					HOSPITAL CAR PLATFORM UP TO 6' WIDE X 10' DEEP/ (1830 mm X 3050 mm)					FREIGHT/SERVICE CAR PLATFORM UP TO 10' WIDE X 8' DEEP/ (3050 mm X 2440 mm)				
		SPEED					SPEED					SPEED				
		100 fpm 0.5 m/s	200 1.0	300 1.5	400 2.0	500 2.5	100 0.5	200 1.0	300 1.5	400 2.0	500 2.5	100 0.5	200 1.0	300 1.5	400 2.0	500 2.5
	≤2,000 lb 900 kg															
	2,500 lb 1,100 kg															
	3,000 lb 1,400 kg															
	3,500 lb 1,500 kg															
	4,000 lb 1,800 kg															
	4,500 lb 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.

ROLLER GUIDE RAIL COMPATIBILITY

● Compatible ◐ Check Clearance

		RAIL SIZES								
ISO ASME WIDTH		T89 8# 5/8" (16 mm)	T90 5/8" (16 mm)	T114 11# 5/8" (16 mm)	T125 12# 5/8" (16 mm)	T127-1 12# 5/8" (16 mm)	T127-2 15# 5/8" (16 mm)	T140-1 18# 3/4" (19 mm)	T140-2 22# 1-1/8" (28.6 mm)	T140-3 30# 1-1/4" (31.75 mm)
PART #	EB02100									
	EB02200									

RECOMMENDATIONS AND SPECIAL CONDITIONS

- In most applications the recommended counterweight roller guide for use with a Model B is the Model D
- For elevators with higher capacity and speed applications, or if the car is heavily leaning or unbalanced, contact ELSCO Customer Service for guide selection recommendations

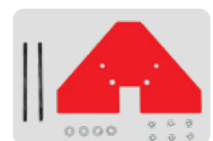
OPTIONAL ACCESSORIES

**Flex-Mount™
Adjustable Adaptor Plate**



(EA07100)

Cover Plate Kit



(EB02123)

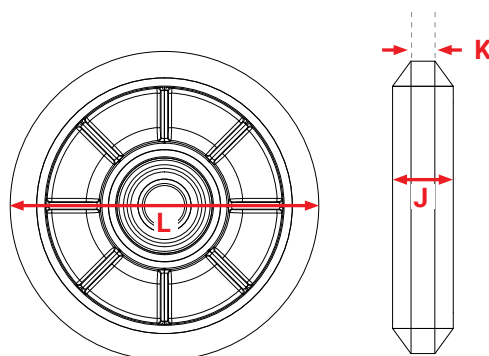
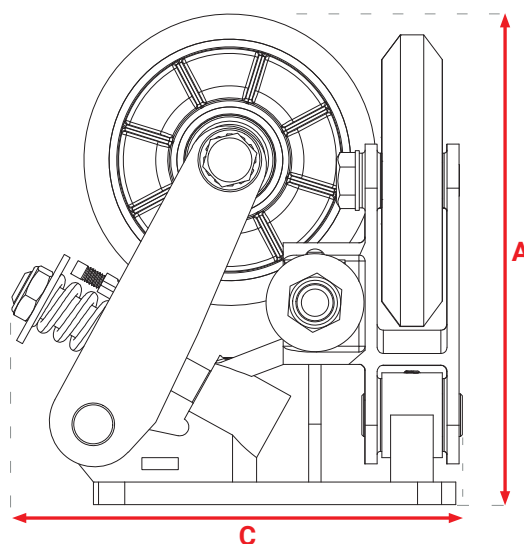
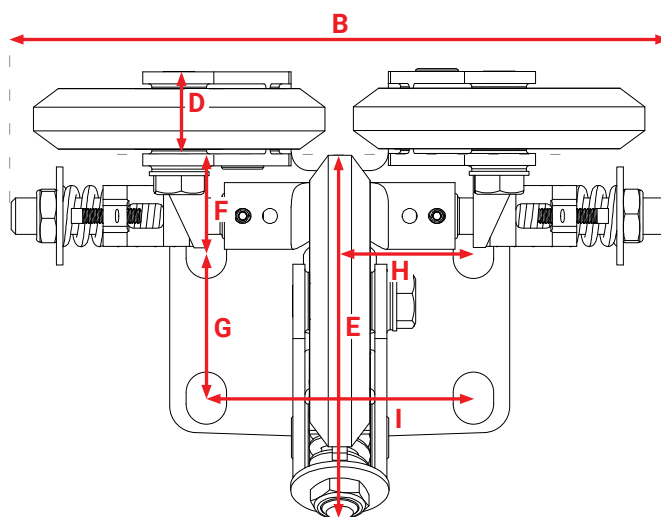
SEISMIC ACCESSORIES

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. Seismic Flex-Mount™ Adjustable Adapter Plates can be used when mounting to pre-existing bolt patterns.

	RAIL SIZES						
ISO ASME	T114 11#	T125 12#	T127-1 12#	T127-2 15#	T140-1 18#	T140-2 22#	T140-3 30#
Seismic Retainer Plate	EB06015 			EB06015	EB06018	EB06022	EB06030
Seismic Flex-Mount™ Adjustable Adapter Plate	EA07100-S-15 			EA07100-S-15	EA07100-S-18	EA07100-S-22	EA07100-S-30

CRITICAL DIMENSIONS

GUIDE MEASUREMENTS	
A - Height, overall	10-1/8" (257 mm)
Height, overall with optional Flex-Mount™	13-1/16" (332 mm)
Height, overall with optional Seismic Plate	10-5/8" (269 mm)
Height, minimum clearance with optional Cover Plate	11-1/8" (283 mm)
B - Width, overall	13-9/16" (344 mm)
C - Depth, overall	9-5/16" (236 mm)
D - Distance from front to face of rail	1-3/4" (44 mm)
E - Depth, from face of rail	7-9/16" (192 mm)
BOLT SLOT LOCATIONS	
F - Depth, from face of rail to center of bolt slot	2" (51 mm)
G - Distance between bolts on center, y-axis (post-to-post)	3" (76 mm)
H - Distance from center of face wheel to center of bolt	2-3/4" (70 mm)
I - Distance between bolts on center, x-axis	5-1/2" (140 mm)
MOUNTING BOLT SLOTS	
Number of bolt slots	4
Bolt slots dimensions	1-1/16" x 13/16" (27 mm x 21 mm)
WEIGHT	
Each guide	27.8 lb (12.62 kg)
ROLLER WHEELS	
J - Width at hub	1-1/4" (32 mm)
K - Neoprene tread width - face & side arm	1/2" (12.7 mm)
L - Diameter	6" (152 mm)
Bearing I.D.	0.787" (20 mm)
Runout (total indicator reading)	0.002" (0.051 mm)



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