



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 up to 500 fpm and 4,000 lbs 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 EN81 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



APPLICATIONS TABLE

Find the elevator type and verify the platform falls within the platform dimensions for that elevator. Next, find the intersection of the elevator's speed and capacity to confirm the roller guide is recommended for the application.

		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		100	200	300	400	500	100	200	300	400	500	100	200	300	400	500
fpm																
m/s		0.5	1.0	1.5	2.0	2.5	0.5	1.0	1.5	2.0	2.5	0.5	1.0	1.5	2.0	2.5
CAPACITY	≤2,000 lbs 900 kg	[Red Shaded Area]					[Red Shaded Area]					[Red Shaded Area]				
	2,500 lbs 1,100 kg															
	3,000 lbs 1,400 kg	[Red Shaded Area]					[Red Shaded Area]					[Red Shaded Area]				
	3,500 lbs 1,500 kg															
	4,000 lbs 1,800 kg	[Red Shaded Area]					[Red Shaded Area]					[Red Shaded Area]				
	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.

ROLLER GUIDE RAIL COMPATIBILITY

● Compatible ◐ Check Clearance

		RAIL SIZES								
ISO ASME		T89 8#	T90	T114 11#	T125 12#	T127-1 12#	T127-2 15#	T140-1 18#	T140-2 22#	T140-3 30#
WIDTH (in)		5/8" (16 mm)	5/8" (16 mm)	5/8" (16 mm)	5/8" (16 mm)	5/8" (16 mm)	5/8" (16 mm)	3/4" (19 mm)	1-1/8" (28.6 mm)	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 imbalanced, contact ELSCO Customer Service for guide selection recommendations

OPTIONAL ACCESSORIES

Flex-Mount™ Adjustable Adaptor Plate



(EA07100)

Cover Plate Kit



(EB02123)

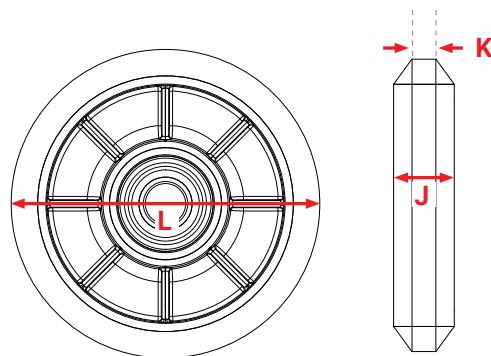
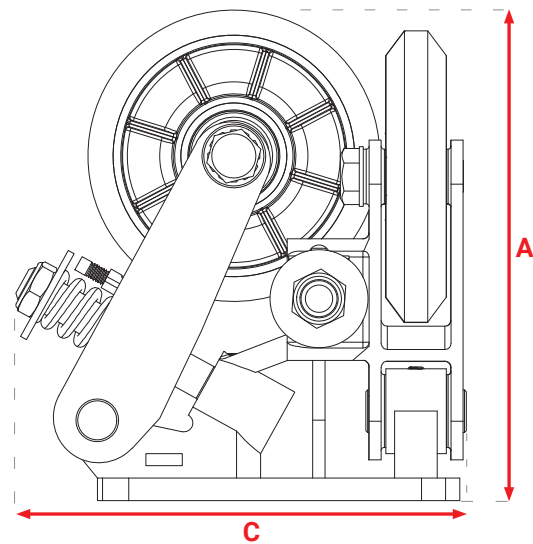
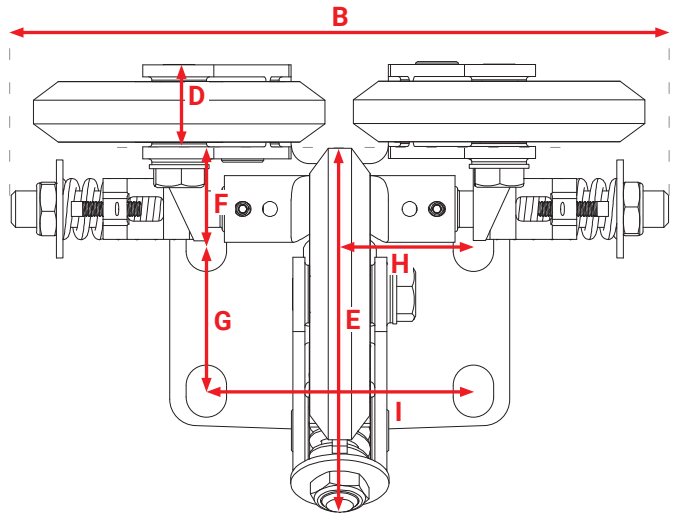
SEISMIC ACCESSORIES

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	10-5/8" (270 mm)
B - Width, overall	13-9/16" (344 mm)
C - Depth, overall	9-5/16" (235 mm)
D - Distance from front to face of rail	1-3/4" (44 mm)
E - Depth, from face of rail	7-1/2" (191 mm)
BOLT HOLE LOCATIONS	
F - Depth, from face of rail to center of bolt hole	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 HOLES	
Number of bolt holes	4
Bolt hole dimensions	1-1/16" x 13/16" (27 mm x 21 mm)
WEIGHT	
Each guide	27.8 lbs (12.62 kg)
ROLLERS	
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.