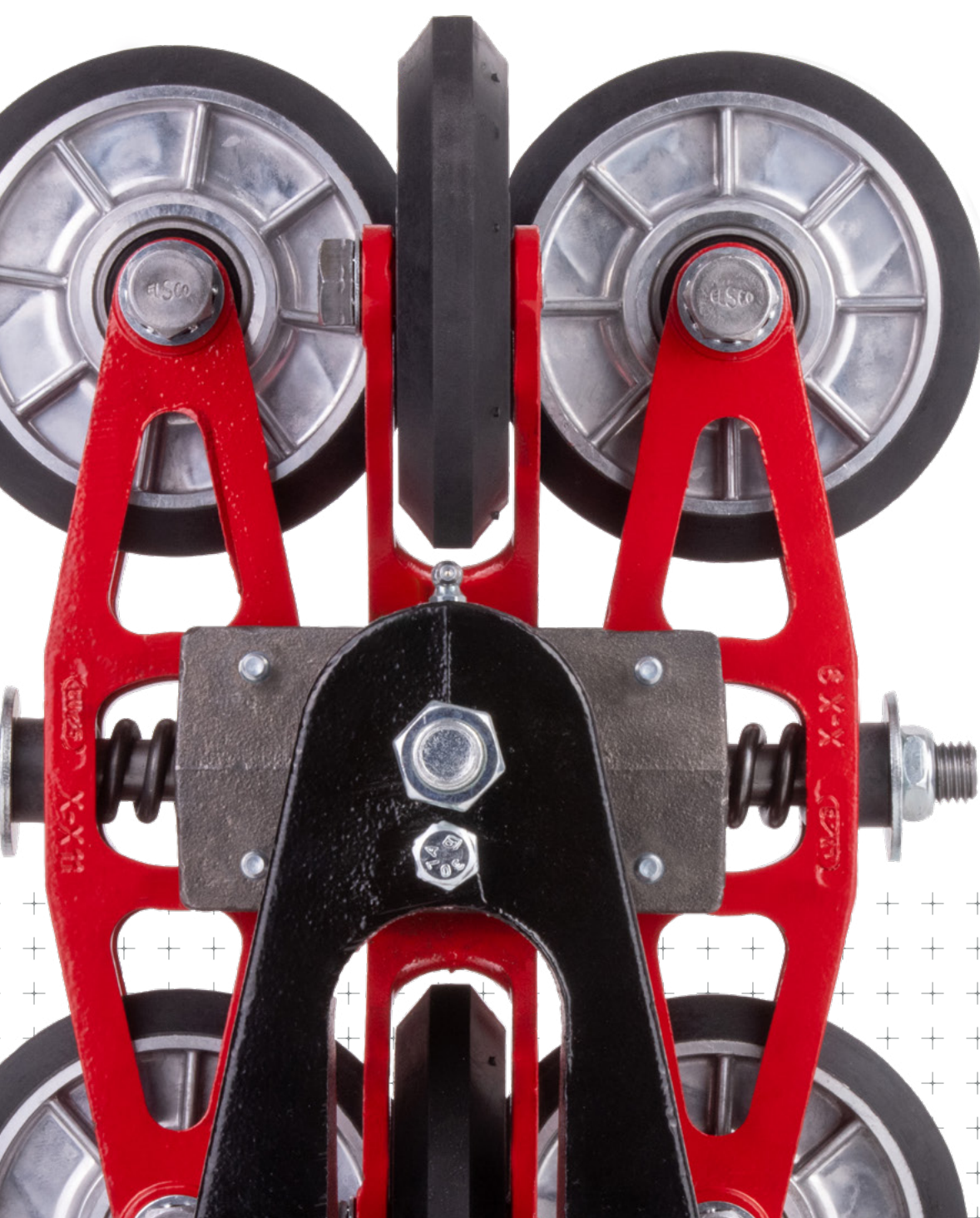




MODEL A

The industry's gold standard for elevator ride quality for over 70 years

The six-wheel adjustable Model A roller guide operates over an exceptionally wide application range, covering higher speeds and capacities, while delivering ELSCO's trusted quality and performance.

Designed for elevator cars with speeds up to 800 fpm or capacities up to 10,000 lb in mid- to high-rise buildings.

U.S. Patent No. 11,407,615

The Model A is a high-speed six-wheel paired-roller guide with spring suspension, an adjustable stop on the face arm and six premium 6" diameter neoprene roller wheels.

Engineered and tested to meet ASME A17.1/ CSA B44 and EN 81 standards, ELSCO's Model A 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 AND FLOAT

1 Tandem-Roller Arms

- › 6-wheels provide added stability that can easily handle the higher loads typical of service and hospital cars, as well as higher speed passenger cars
- › 6-wheel design steps over misaligned rail joints minimizing in-car vibration at high speeds
- › Compensate for hoistway imperfections that affect elevator ride performance

2 Fully Adjustable Stabilizing Springs

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

3 Adjustable Stop

- › On the face arm allows control of the overall float of the elevator car between the rails in a post-to-post direction
- › Allows for precise final adjustments to deal with troublesome hoistway issues

MINIMIZED NOISE AND VIBRATION

4 Neoprene Rubber Roller Wheels

- › Precision manufactured using ELSCO's proprietary neoprene rubber tread compound
- › 65A durometer tread dampens vibration and reduces noise even in high-speed applications
- › Precisely ground tread profile provides a balanced and concentric roller
- › High-memory tread characteristics prevent flat spotting

5 Precision Ball Bearings

- › 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

DURABLE, ENGINEERED DESIGN

6 Robust Casting and Design Features

- › Precisely machined castings are tested to meet applicable codes and standards ensuring the guides provide a lifetime of reliable performance

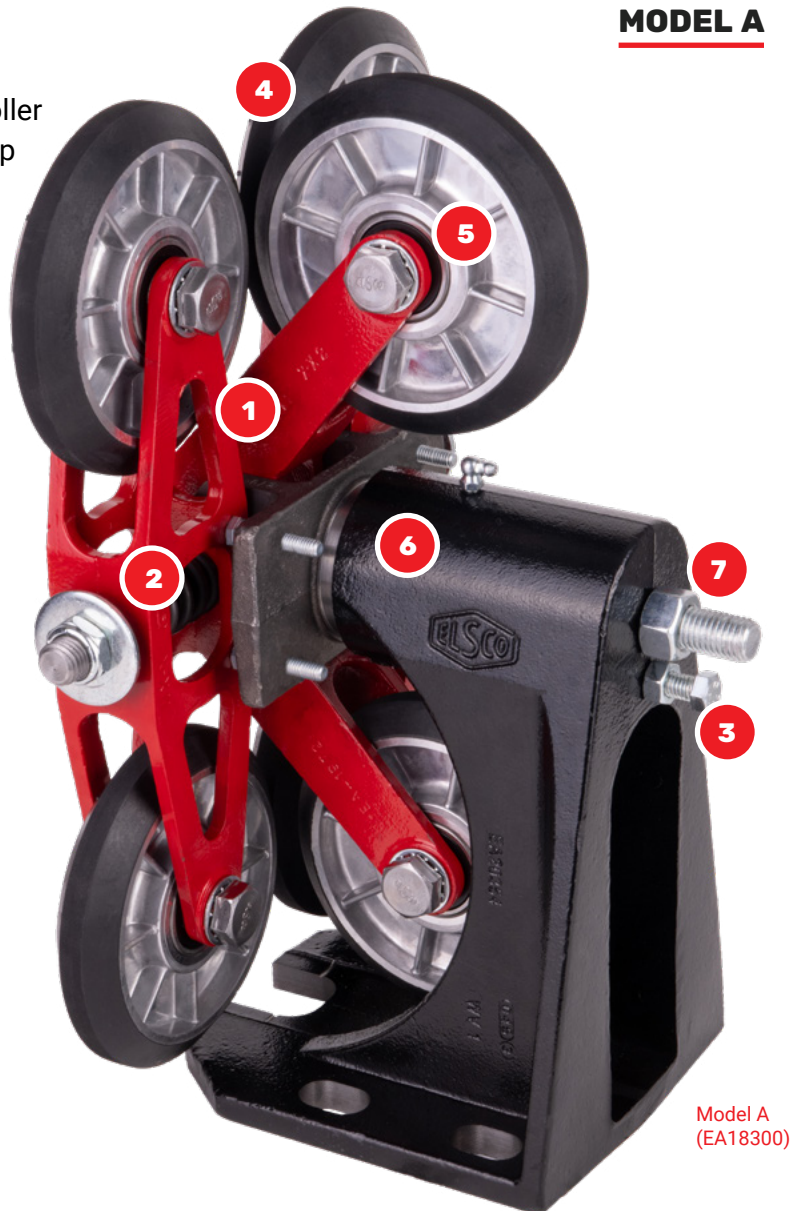
QUICKER AND EASIER INSTALLATION

7 Innovative Design Features

- › Patented adjustment features are designed for quick and simple installation, reducing installation costs
- › Hub adjustment and adjustable stop assemblies are pre-installed at the factory

COUNTERWEIGHT APPLICATIONS

- › Recommended for use as a counterweight when paired with the Express-6 at speeds up to 1,400 fpm and capacities between 3,000 and 6,000 lb or when paired with the Express-3 at speeds up to 2,000 fpm and capacities between 3,000 and 4,000 lb



Model A
(EA18300)

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.

	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)							
CAPACITY	fpm	200	300	400	500	600	700	800	200	300	400	500	600	700	800	200	300	400	500	600	700	800		
	SPEED																							
	m/s	1.0	1.5	2.0	2.5	3.0	3.5	4.0	1.0	1.5	2.0	2.5	3.0	3.5	4.0	1.0	1.5	2.0	2.5	3.0	3.5	4.0		
≤3,500 lb 1,500 kg																								
4,000 lb 1,800 kg																								
4,500 lb 2,000 kg																								
5,000 lb 2,300 kg																								
6,000 lb 2,700 kg																								
7,000 lb 3,200 kg																								
8,000 lb 3,600 kg																								
9,000 lb 4,100 kg																								
10,000 lb 4,500 kg																								

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 #	EA18300		●	●	●	●	●	●		
	EA18930								●	●

RECOMMENDATIONS AND SPECIAL CONDITIONS

- In most applications the recommended counterweight roller guide for use with a Model A is the Model C
- In slower applications check there is pit clearance for the roller guide height
- 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



(EA18333)

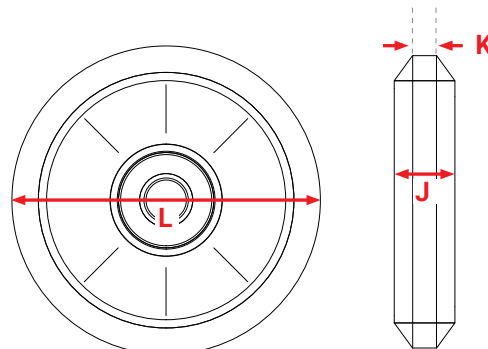
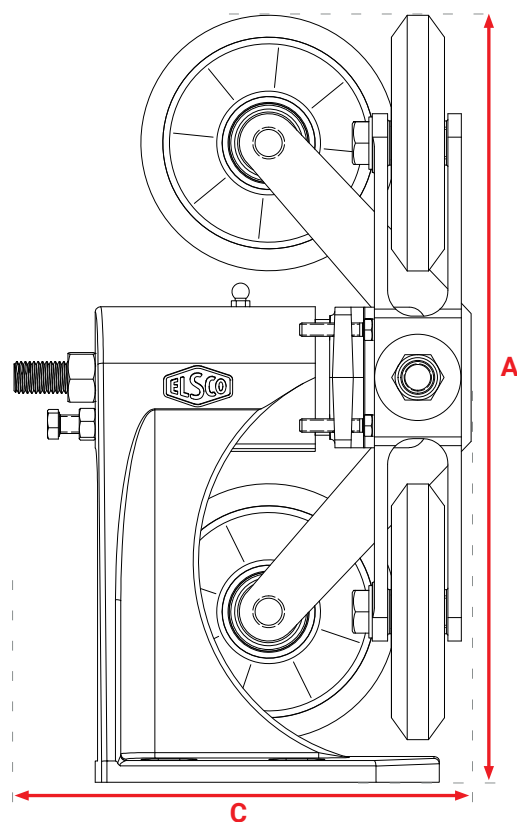
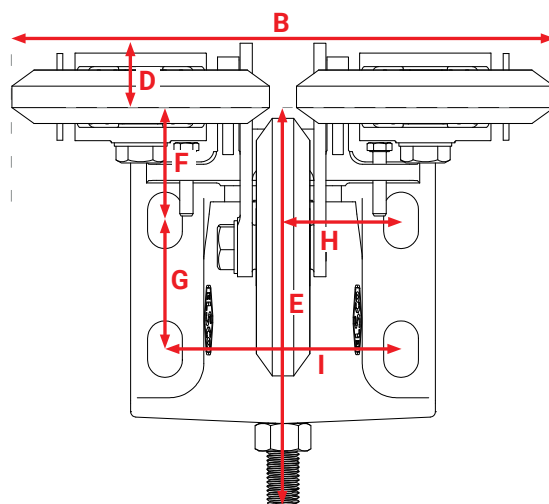
SEISMIC ACCESSORIES

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 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	18" (457 mm)
Height, overall with optional Flex-Mount™	21" (532 mm)
Height, overall with optional Seismic Plate	18-1/2" (470 mm)
Height, minimum clearance with optional Cover Plate	18-5/8" (472 mm)
B - Width, overall with 3/4" rail	12-3/4" (324 mm)
Width, overall with 30# rail	13-1/4" (337 mm)
C - Depth, overall	11" (279 mm)
D - Distance from front to face of rail	1-3/4" (44 mm)
E - Depth, from face of rail	9-1/4" (235 mm)
BOLT SLOT LOCATIONS	
F - Depth, from face of rail to center of bolt slot	2-3/8" (60 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 slot dimensions	1-5/16" x 13/16" (33 mm x 21 mm)
WEIGHT	
Each guide	57.9 lb (26.3 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.	0.7874" (20 mm)
Runout (total indicator reading)	0.002" (0.051 mm)



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