

EXPRESS 6

The pinnacle of roller guide performance

The ultimate solution for the most challenging load applications. Engineered to help mask hoistway imperfections that manifest themselves in high-rise buildings, while optimizing ride quality and passenger comfort.

Designed for elevator cars up to 2,000 fpm or 6,000 lbs capacity in standard applications in high-rise buildings. Contact ELSCO Customer Service for higher-speed or more challenging load applications.

The Express-6 is a high-speed, heavy-load 6-wheel paired-roller guide with spring suspension, an adjustable stop on the face arm and six premium 10" diameter neoprene rollers.

Engineered and tested to meet ASME A17.1/ CSA B44 and EN81 standards. ELSCO's Express-6 roller guide is constructed from precision machined, ductile iron castings and is assembled using quality parts to ensure the installed roller guide will **GO UNNOTICED**.

EXCEPTIONAL APPLICATION RANGE

1 Tandem-Roller Arms

- › 6-wheels give added stability that can easily handle higher loads associated with service and hospital cars or higher speed passenger cars
- › 6-wheel design steps over misaligned rail joints minimizing in-car vibration at high speeds
- › The added stability of the tandem-roller arm design also helps compensate for unbalanced car conditions

MINIMIZED NOISE AND VIBRATION

2 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
- › Excellent resistance to oils, chemicals and UV for extended life

3 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

OPTIMIZED RIDE QUALITY AND FLOAT CONTROL

4 Fully Adjustable Stabilizing Springs

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

5 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

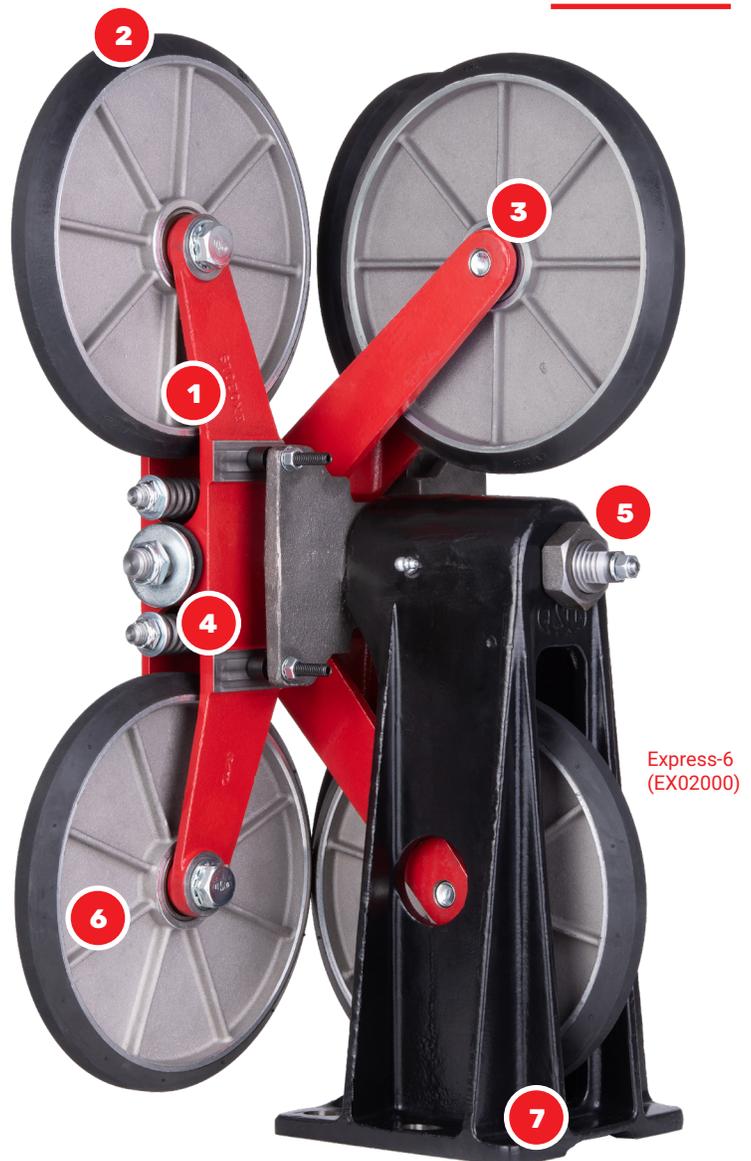
6 Ten-Inch Roller Wheels

- › Extra-large diameter rollers reduce wheel RPMs at high speeds resulting in a smoother, quieter ride
- › Help deal with hoistway imperfections that can be especially troublesome in high-rise buildings

DURABLE, ENGINEERED DESIGN

7 Heavy-Duty Castings 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



Express-6 (EX02000)

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)					
fpm SPEED m/s		1000 5.0	1200 6.0	1400 7.0	1600 8.0	1800 9.0	2000 10
CAPACITY lbs/kg	≤2,500 lb 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						
	5,000 lbs 2,300 kg						
	6,000 lbs 2,700 kg						
	7,000 lbs 3,200 kg						
Not every elevator is the same. If your application is not indicated in the red shaded area, please contact Customer Service for expert application assistance.							

ROLLER GUIDE RAIL COMPATIBILITY

● Compatible ◐ Check Clearance

		RAIL SIZES							
ISO ASME WIDTH		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 #	EX02000		●	●	●	●	●	●	●

RECOMMENDATIONS AND SPECIAL CONDITIONS

- The recommended counterweight roller guide for the Express-6 is the Model A
- 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



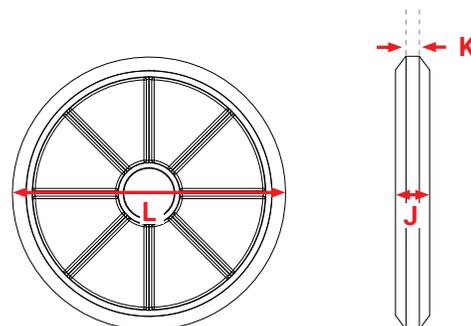
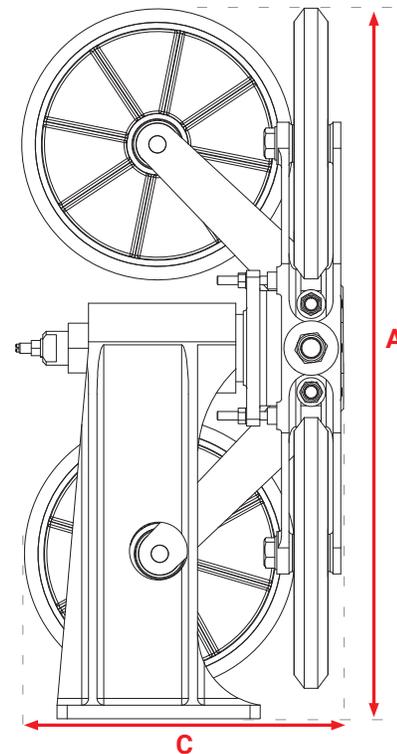
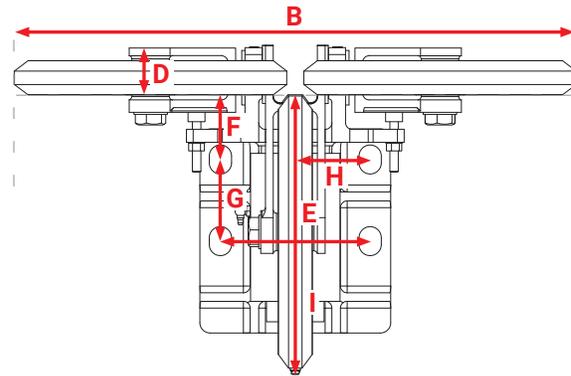
SEISMIC ACCESSORIES

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.

		RAIL SIZES			
ISO ASME		T127-2 15#	T140-1 18#	T140-2 22#	T140-3 30#
Seismic Plate		EX06015	EX06018	EX06022	EX06030

CRITICAL DIMENSIONS

GUIDE MEASUREMENTS	
A - Height, overall	26-1/4" (667 mm)
Height, overall with optional Seismic Plate	26-3/4" (679 mm)
Height, minimum clearance with optional Cover Plate	27-1/8" (688 mm)
B - Width, overall with 30# (1-1/4") rail	20-5/8" (524 mm)
C - Depth, overall	12-1/8" (307 mm)
D - Distance from front to face of rail	1-13/16" (46 mm)
E - Depth, from face of rail	10-5/16" (261 mm)
BOLT HOLE LOCATIONS	
F - Depth, from face of rail to center of bolt hole	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 HOLES	
Number of bolt holes	4
Bolt hole dimensions	1-1/16" x 13/16" (27 mm x 21 mm)
WEIGHT	
Each guide	77.5 lbs (35.2 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	10" (254 mm)
Bearing I.D.	0.787" (20 mm)
Runout (total indicator reading)	0.002" (0.051 mm)



Scan here to learn more about the Express-6 Roller Guide and other ELSCO products.