



CALIBRE

C-150

Designed using quality components to deliver performance, ride quality, and exceptional value

Combining ease of installation and hoistway adjustability, the C-150 roller guide provides a smooth ride on a wide range of elevator cars and guide rail sizes.

Designed for elevator cars up to 3.0 m/s and 1,800 kg capacity in low- to mid-rise buildings.

The Calibre C-150 is a three-wheel roller guide with spring suspension, adjustable stops in all directions, and three 150 mm diameter polyurethane roller wheels.

Engineered and tested to meet EN 81 standards, the Calibre C-150 is constructed from durable, precision machined ductile iron castings, and is assembled using quality parts to ensure the installed roller guide delivers a lifetime of reliable performance.



QUICK AND EASY INSTALLATION

1 Face Arm Retaining Bolt

- › After the guide is accurately positioned and secured, remove the face arm retaining bolt and the correct roller wheel preload will be applied to the rail
- › Precise factory setup for 9 mm, 10 mm, 16 mm or 19 mm rail sizes reduces installation steps, so there is no need for adjustment in the field
- › This innovative feature simplifies the accurate installation of the guides, saving time and money

LOW NOISE AND VIBRATION

2 Polyurethane Rollers

- › Precisely molded and finished tread profile provides a balanced and concentric roller
- › 85A durometer tread dampens vibration and reduces noise

3 Precision Ball Bearings

- › Dual bearing design provides the roller wheel with extra stability, ensuring a true ride, with minimal noise and vibration
- › Industrial grade, high quality ball bearings will last for millions of cycles

CONTROL OF CAR FLOAT

- › The C-150 can be adjusted to allow a wide range of elevator car float, which is excellent for troubleshooting stubborn hoistway issues

4 Fully Adjustable Stabilizing Springs

- › Stabilizing springs are factory-set, but can be adjusted in the field to minimize bumps and vibration
- › Spring adjustments can be used to further reduce peak-to-peak lateral forces to measurably improve ride quality

5 Adjustable Stops

- › Factory-set to provide an optimal 3 mm of float to deal with troublesome hoistway issues
- › Can be adjusted in the field to minimize bumps and vibration if required
- › Can be set to limit float for use in hydraulic elevator applications

DURABLE, ENGINEERED DESIGN

6 Robust Casting and Design Features

- › Precisely machined castings ensure the final assembly is of the highest quality
- › Tested to confirm compliance with 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						HOSPITAL CAR						FREIGHT/SERVICE CAR						
		PLATFORM UP TO 3050 mm WIDE X 2440 mm DEEP						PLATFORM UP TO 1830 mm WIDE X 3050 mm DEEP						PLATFORM UP TO 3050 mm WIDE X 2440 mm DEEP						
m/s		0.6	1.0	1.6	2.0	2.5	3.0	0.6	1.0	1.6	2.0	2.5	3.0	0.6	1.0	1.6	2.0	2.5	3.0	
SPEED																				
CAPACITY kg	≤ 800 kg																			
	1,000 kg																			
	1,275 kg																			
	1,600 kg																			
	1,800 kg																			
	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 guide selection recommendations.																				

ROLLER GUIDE RAIL COMPATIBILITY

The C-150 is available in four versions, each pre-set to a specific rail size.

● Compatible ● Check Clearance



	RAIL SIZES										
ISO WIDTH	T70-1 9 mm	T75 10 mm	T78 10 mm	T82 9 mm	T89 16 mm	T90 16 mm	T114 16 mm	T125 16 mm	T127-1 16 mm	T127-2 16 mm	T140-1 19 mm
PART #	EG21009	●			●						
	EG21010		●	●							
	EG21016					●	●	●	●	●	
	EG21019										●

RECOMMENDATIONS & SPECIAL CONDITIONS

- 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
- Suitable for use on hydraulic elevators when adjusted to limit float
- Recommended roller force:
 - › Car - Max. running normal operation Fy = 1,800 N
 - › Car - Max. loading/unloading Fy = 3,000 N
 - › Car - Static, empty - target preload = 110 - 220 N
 - › Counterweight - target preload = 110 - 220 N
- Counterweight - Max. weight = 7,000 kg

SEISMIC ACCESSORIES

Seismic plates must be installed if the guide is used to meet the elevator seismic requirements per EN 81-77. Seismic Flex-Mount™ Adjustable Adapter Plates can be used when mounting to pre-existing bolt patterns.

	RAIL SIZES					
ISO	T89	T114	T125	T127-1	T127-2	T140-1
Seismic Plate	EB06008	EB06015 			EB06015	EB06018
Seismic Flex-Mount™ Adjustable Adapter Plate	EA07100-S-8	EA07100-S-15 			EA07100-S-15	EA07100-S-18

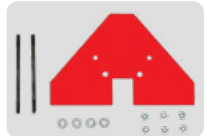
OPTIONAL ACCESSORIES

Flex-Mount™ Adjustable Adaptor Plate



(EA07100)

Cover Plate Kit



(EG25001)

CRITICAL DIMENSIONS

GUIDE MEASUREMENTS	
A - Height, overall	207 mm
Height, overall with optional Flex-Mount™	282 mm
Height, overall with optional Seismic Plate	220 mm
Height, minimum clearance with optional Cover Plate	234 mm
B - Width, overall	322 mm
C - Depth, overall	199 mm
D - Distance from front to face of rail	38 mm
E - Depth, from face of rail	161 mm
BOLT SLOT LOCATIONS	
F - Depth, from face of rail to center of bolt slot	61 mm
G - Distance between bolts on center, y-axis (post-to-post)	76 mm
H - Distance from center of face wheel to center of bolt	70 mm
I - Distance between bolts on center, x-axis	140 mm
MOUNTING BOLT SLOTS	
Number of bolt slots	4
Bolt slot dimensions	32 mm x 21 mm
WEIGHT	
Each guide	8 kg
ROLLER WHEELS	
J - Width at hub	40 mm
K - Polyurethane tread width	9.5 mm
L - Diameter	150 mm
Bearing I.D.	10 mm
Runout (total indicator reading)	0.1 mm



Scan here to learn more about the C-150 Roller Guide and other ELSCO products.

