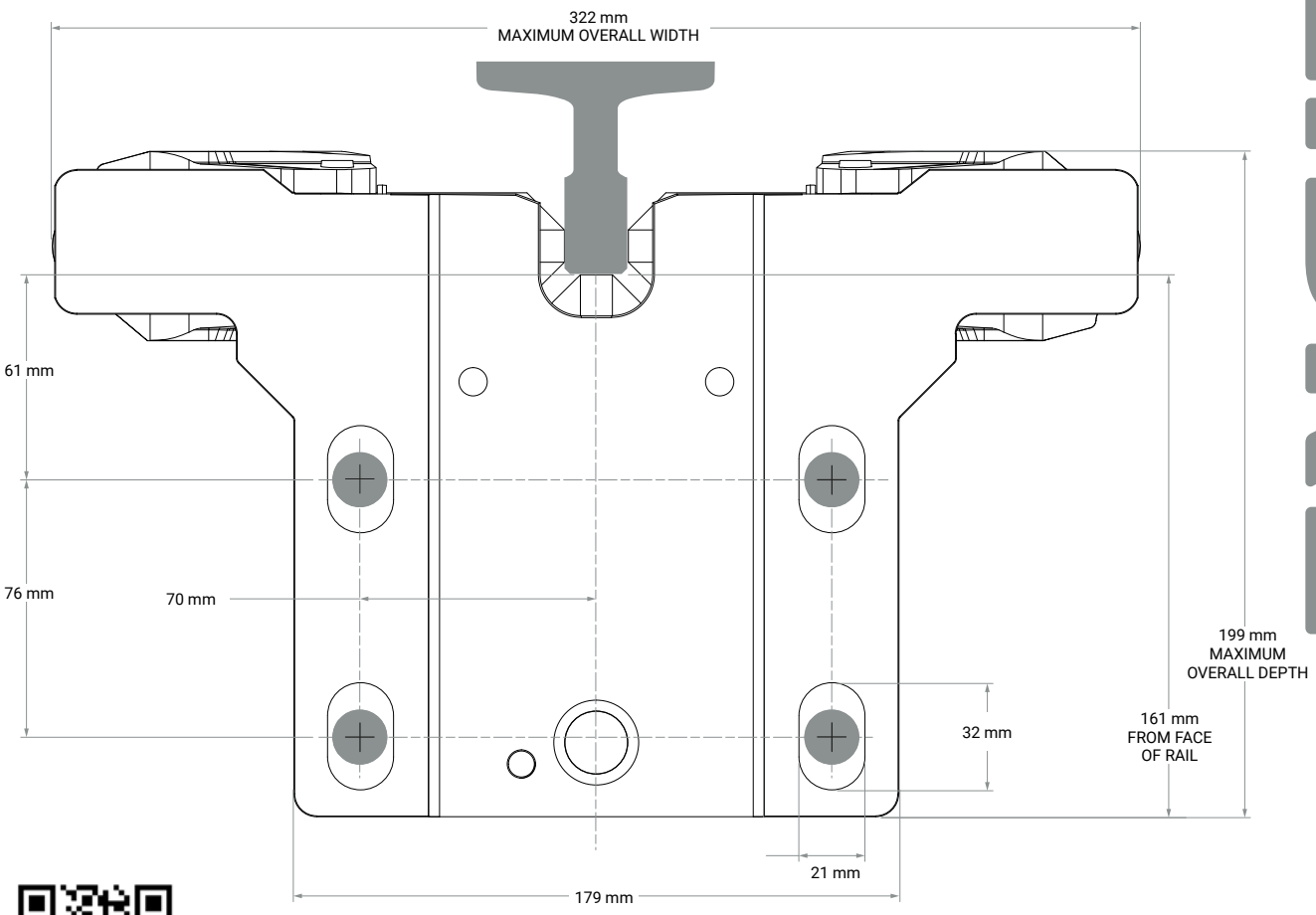
CALIBRE

INSTALLATION AND PARTS GUIDE

MOUNTING SPECIFICATIONS



Drawing not to scale.
Scan here for a
full-scale printable
template.

C-150

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

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

If the bolt pattern above does not line up exactly with your mounting pattern, **Flex-Mount™ Adjustable Adapter Plates** are the best time-saving, and money-saving solution. Contact us to find out more.

INSTALLATION INSTRUCTIONS

ELSCO Calibre C-150 elevator roller guides are designed for easy installation and come completely assembled from the factory, with the preload set on each wheel.

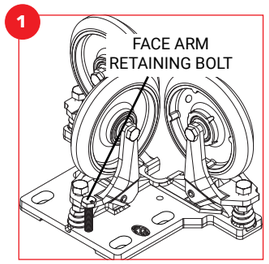
If necessary, they can be adjusted in the field to account for different operating conditions.

When used in hydraulic elevator applictions the float can be limited, as required.

For optimum performance and longer roller wheel life, we recommend that elevator rails be properly aligned and cleaned, and the car balanced before operation.

ELSCO roller guides are carefully assembled, inspected, and packed to arrive in perfect condition. When your shipment arrives, inspect it carefully for damage and, if appropriate, immediately file a claim with the carrier. For best results, read all instructions thoroughly before proceeding with the installation.

1

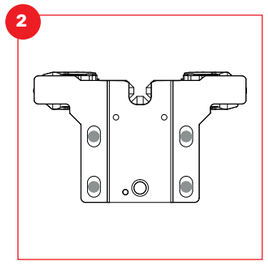


The Calibre C-150 roller guide comes completely assembled with the preload set on each wheel.

DO NOT REMOVE the face arm retaining bolt until the roller guide is fully installed.

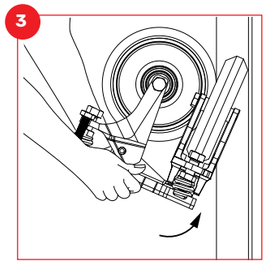
The preload on each wheel is set for the specific rail size. i.e. EG21016 is set up for a 16 mm rail.

2



Verify the location of the mounting holes (refer to mounting template).

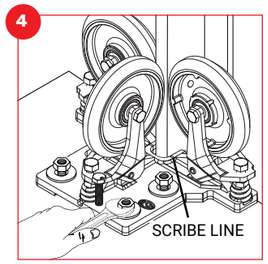
3



Hold the roller guide at an angle, positioning the face roller wheel onto the rail.

Roll the entire assembly upward until the side arm roller wheels engage with the rail.

4

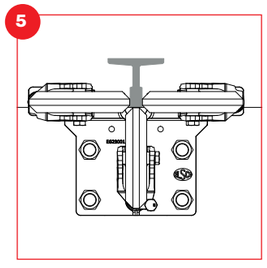


Roll guide down until positioned over the mounting holes or studs.

Align the front face of the rail with the scribe line.

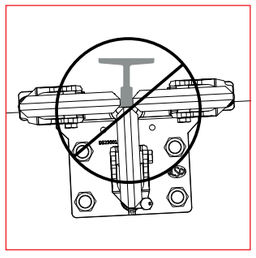
Install mounting hardware (not included with guide). Tighten lightly to hold base in place prior to final adjustment.

5



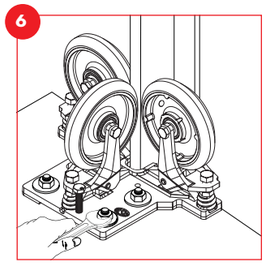
Ensure the guides are aligned correctly (as shown) before making any further adjustments.

Verify the face and side roller wheels are in contact with the rail.



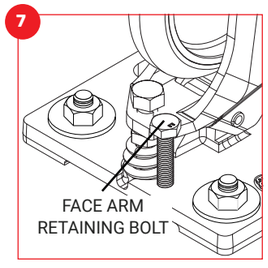
Improper alignment.

6



Securely tighten the mounting bolts and/or nuts (not included).

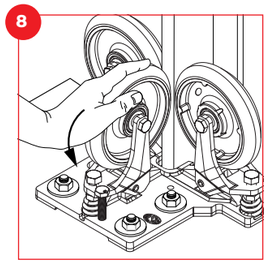
7



Remove the face arm retaining bolt so the face roller wheel preload is applied to the rail.

INSTALLATION AND PARTS GUIDE C-150

8



There will now be 110 – 220 N of force on the face and each side roller wheel.

It will be possible to skid the roller wheels by hand with moderate effort.

Repeat steps 3 through 8 on remaining guides before proceeding.

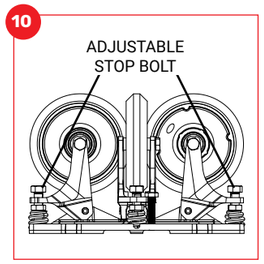
9

After all adjustments have been made, ride the elevator in both the up and down direction at inspection speed to check hoistway clearances.

Check to be sure that all mounting bolts and/or nuts are securely tightened.

Make several more runs at operating speed, then recheck float, tracking and roller wheel forces before returning elevator to service.

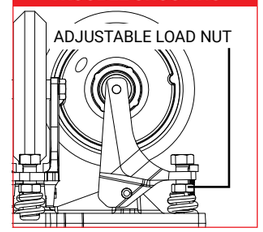
10



Note: This product has (3) adjustable stop bolts that are pre-set to provide the optimal float of 3 mm in post-to-post and back-to-front directions.

Do not adjust the stop bolts unless the float needs adjustment.

TROUBLE SHOOTING



If the roller wheel force needs adjusted, follow the steps below:

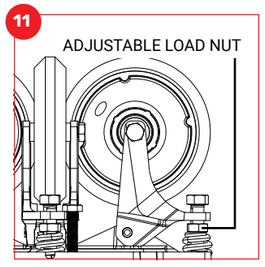
To increase the force on the roller wheel, turn the adjustable load nut clockwise.

To reduce the force on the roller wheel turn the adjustable load nut counterclockwise.

Hold the adjustable stop bolt in place while turning load nut.

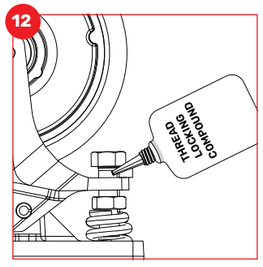
ALTERNATIVE INSTALLATION -LIMITED CAR FLOAT

11



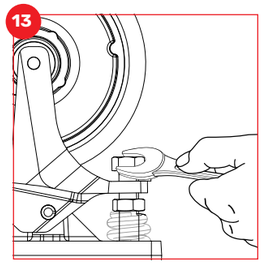
Loosen adjustable load nut on the face and side arms until the spring is no longer under compression.

12



Apply thread locking compound to the adjustable stop bolt thread above the face and side arms, following manufacturer's instructions.

13



Tighten the adjustable stop bolts on the face and side arms down until they make contact with the guide base.

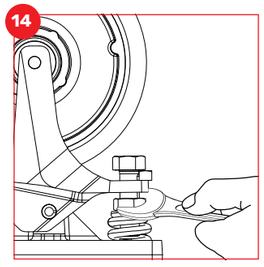
Test the force on each roller wheel by skidding the wheels by hand.

It should be possible to skid the roller wheels by hand with moderate effort.

There will now be 110 – 220 N of force on the face and each side roller wheel.

If there is too little or too much force loosen or tighten the adjustable stop bolt until the correct force is achieved.

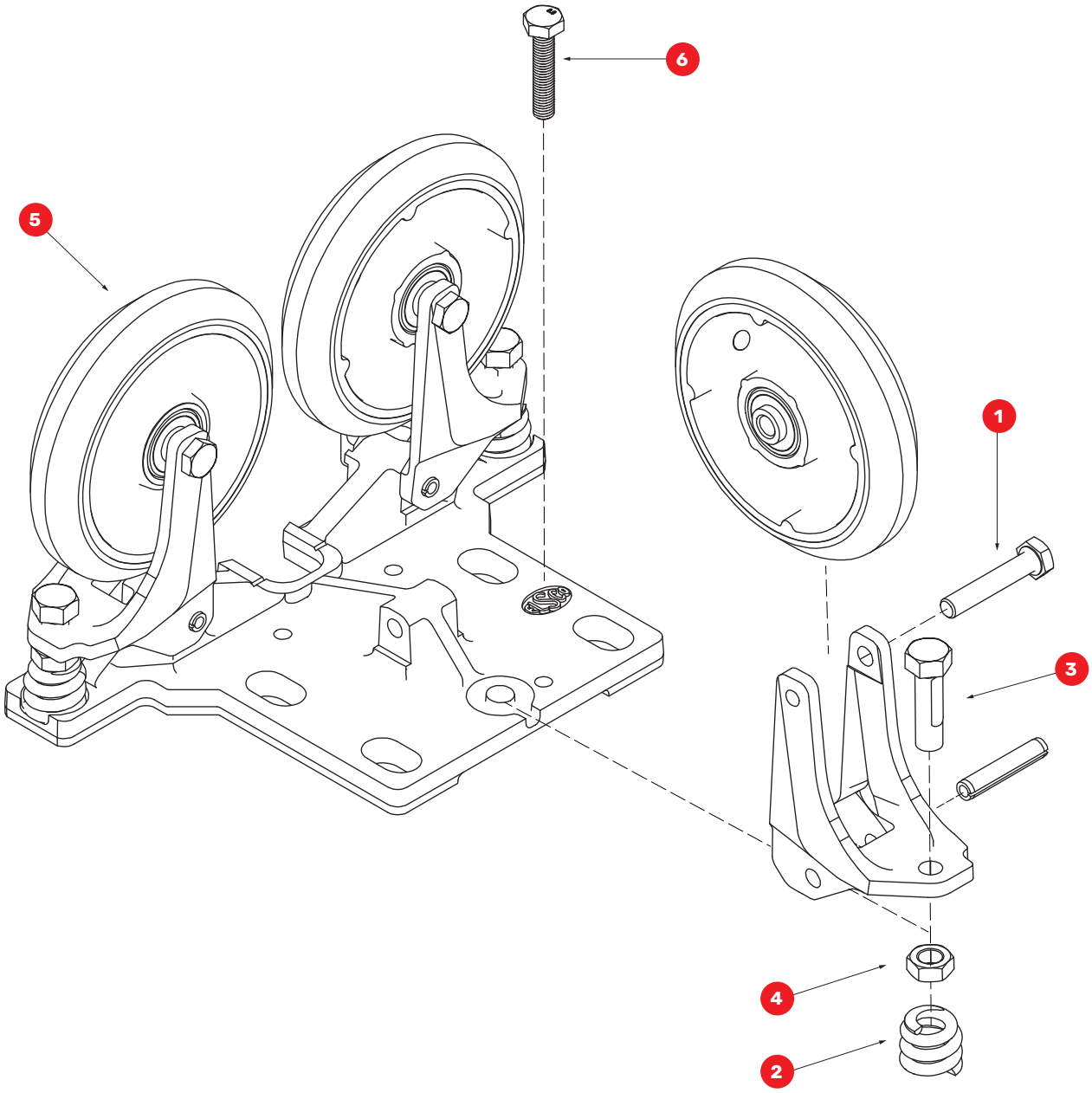
14



Tighten the adjustable load nuts on the face and side arms down to prevent the springs from rattling, but do not compress them.

Complete all inspections identified in step #9 before returning elevator to service.

C-150 ROLLER GUIDE SERVICE PARTS LIST



KEY	QTY	PART #	DESCRIPTION
1	3	**EG24008**	Wheel Stud
2	3	**EG24001**	Side/Face Arm Spring
3	3	**EG24002**	Adjustable Stop Bolt
4	3	**EG24003**	Adjustable Load Nut
5	3	**EG22150**	150 mm Polyurethane Roller Wheel
6	1	**EG24011**	Face Arm Retaining Bolt