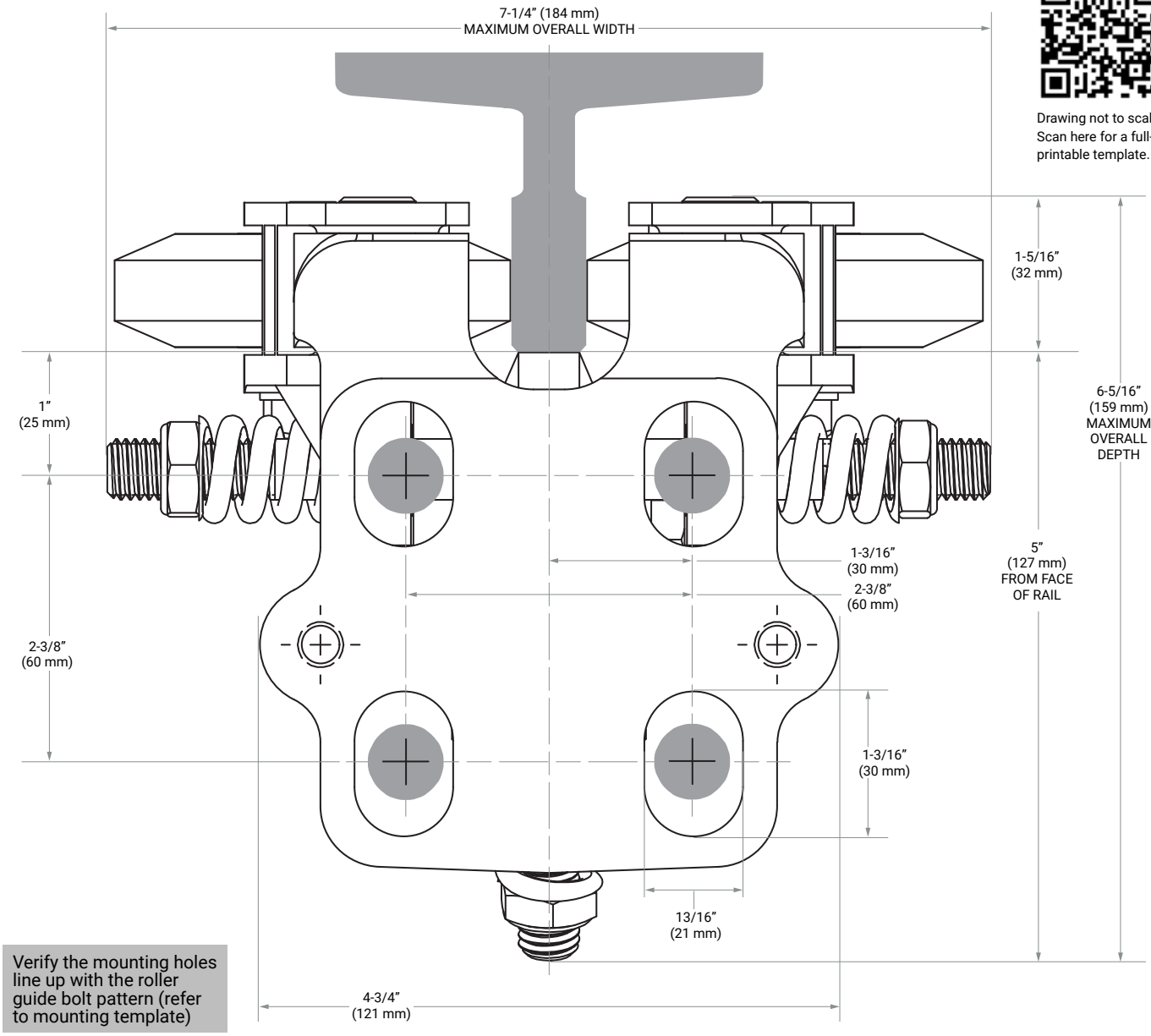
INSTALLATION AND PARTS GUIDE

MODEL D

MOUNTING SPECIFICATIONS



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

Verify the mounting holes line up with the roller guide bolt pattern (refer to mounting template)

The Industry's #1 choice of counterweight for elevator modernizations

Designed for elevator counterweights with speeds up to 500 fpm and capacities up to 4,000 lb 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.

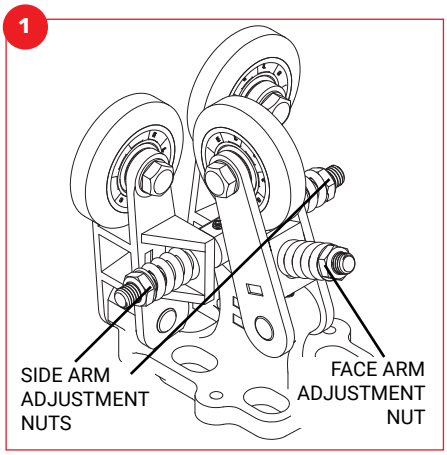
INSTALLATION INSTRUCTIONS:

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

Upon receipt of your shipment, inspect the contents and immediately file a claim with the carrier if there is any damage.

For best results, read all instructions thoroughly before proceeding with the installation.

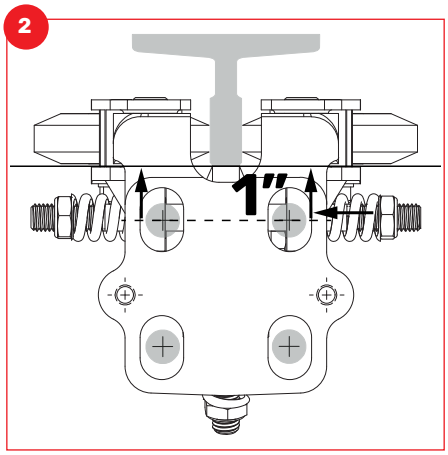
1



→ The Model D Guide comes completely assembled

› **MOUNTING HARDWARE IS NOT INCLUDED**

2

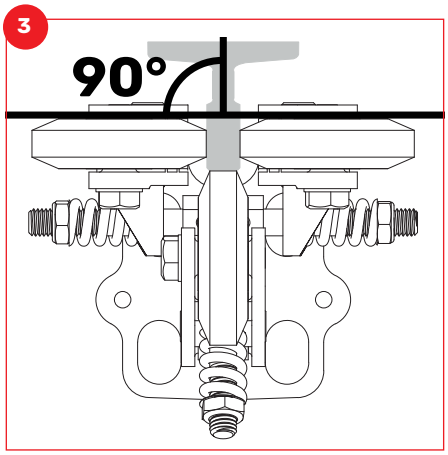


→ Position guide base over mounting holes or studs

› Install mounting hardware

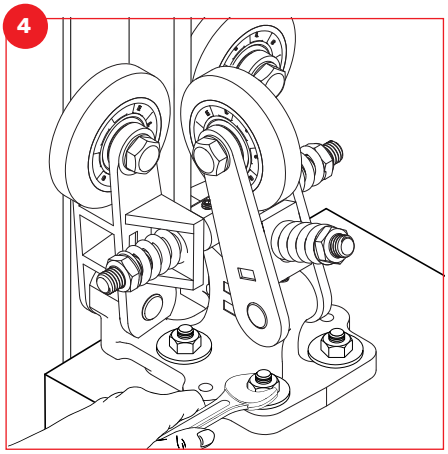
› Align so the centers of the front mounting slots are located 1” (25 mm) back from face of rail

3



→ Ensure the guides are aligned correctly (as shown)

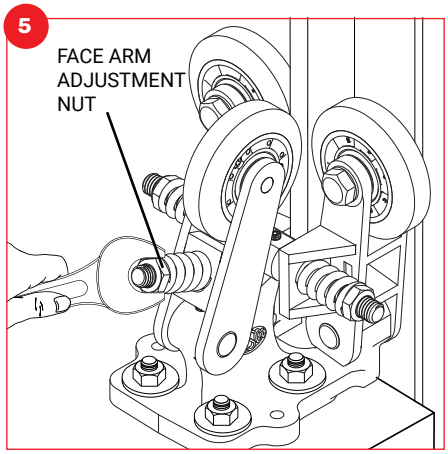
4



→ Securely tighten the mounting bolts and/or nuts and torque as required

› Now install the remaining roller guides on top and beneath the counterweight

5

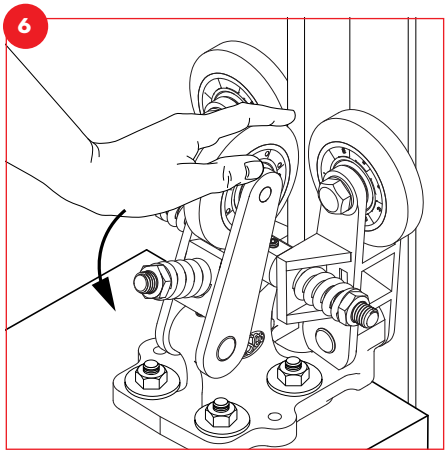


→ Set face arm wheel preload force on the rail

› Turn face arm adjustment nut until the face roller wheel is compressed 1/32” - 1/16” (0.8-1.6 mm)

Note: If installing guides with polyurethane roller wheels refer to note* on back page for allowable wheel forces.

6



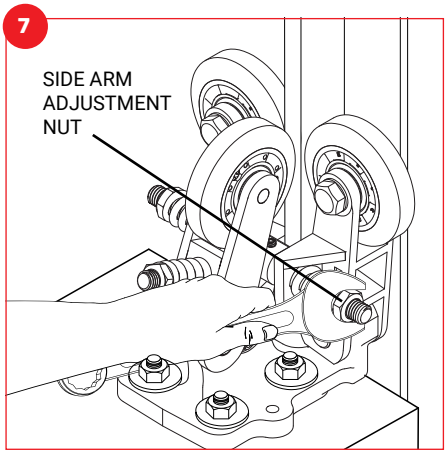
→ Test the preload force of the face roller wheel on the rail

› It should be possible to skid the roller wheel by hand with moderate effort

› This represents approximately 25 - 50 lbf (110 - 220 N) of force on the rail

› Ensure the face roller wheel forces are equal for each guide

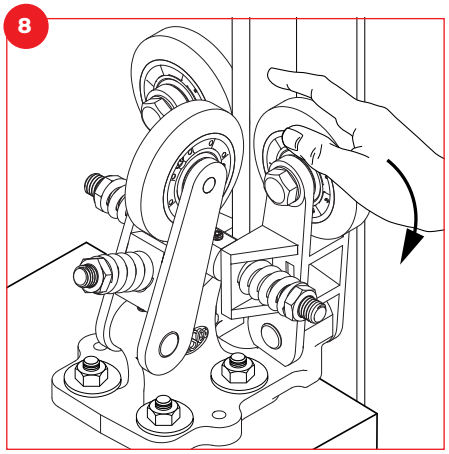
7



→ Set side arm wheel preload force on the rail

› Turn side arm adjustment nut until the side roller wheel is compressed 1/32” - 1/16” (0.8 -1.6 mm)

8



→ Test the preload force on each side roller wheel

› It should be possibe to skid the roller wheels by hand with moderate effort

› This represents approximately 25 - 50 lbf (110 - 220 N) of force on the rail

9

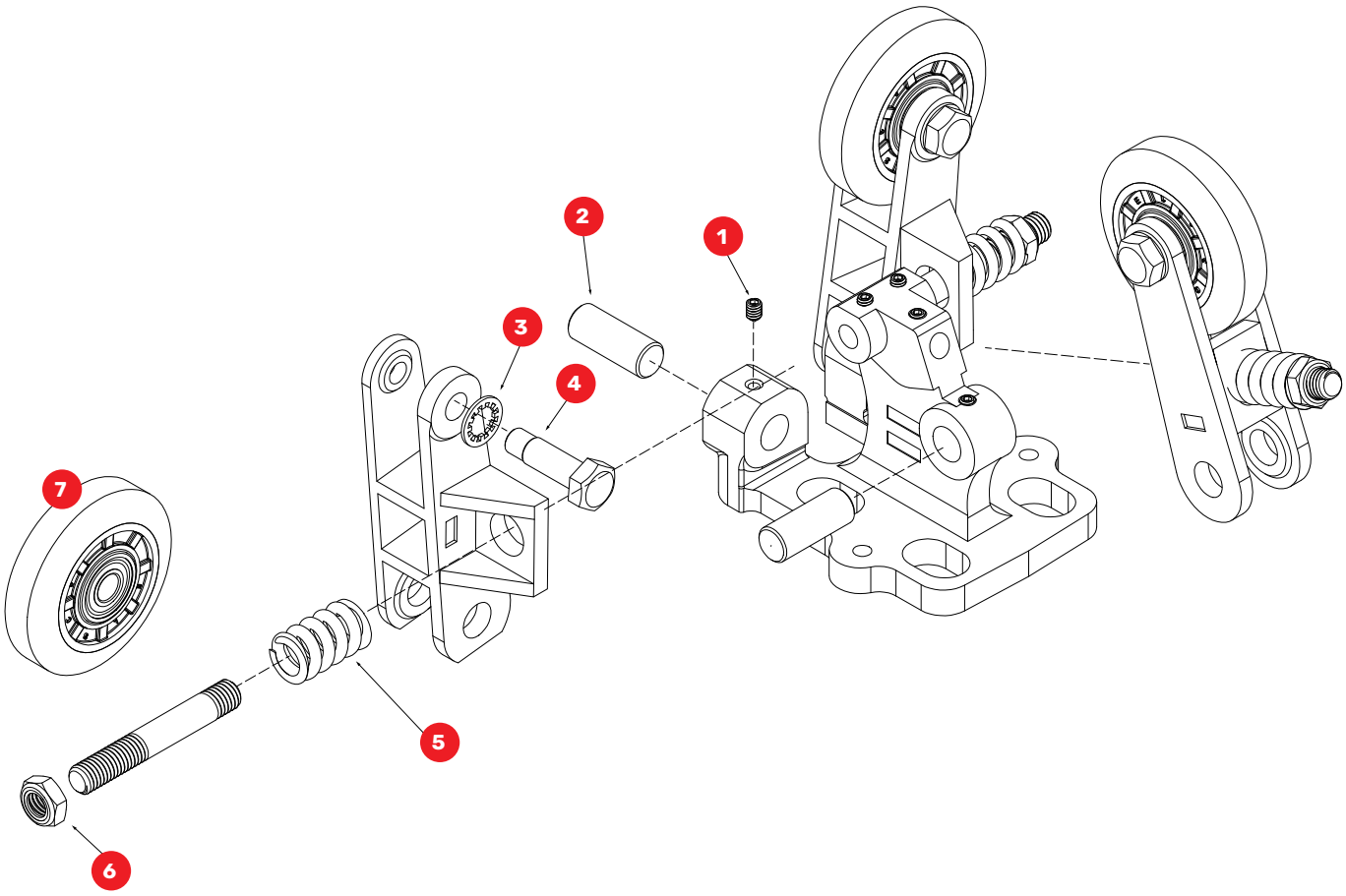
→ After all adjustments have been made, ride elevator in both the up and down direction at inspection speed to check hoistway clearances

→ Check mounting bolts and/or nuts and adjustment locknuts are securely fastened

→ Make several more runs at operating speed

→ Recheck float, roller wheel tracking and preload before returning elevator to service.

MODEL D ROLLER GUIDE SERVICE PARTS LIST



KEY	QTY	PART #	DESCRIPTION
1	6	ED02024	Set Screw
2	3	ED02006	Pivot Pin
3	3	EC18440	Wheel Stud Lock Washer
4	3	EC18417	Wheel Stud
5	3	EC18424	Side/Face Arm Spring
6	3	EC18422	Locknut
7	3	See Roller Wheel Configuration Options	

ROLLER WHEEL CONFIGURATIONS

Typical Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
ED02000	3	EC18405	3-1/4" Black Neoprene Roller Wheel

*OPTIONAL POLYURETHANE ROLLER WHEEL CONFIGURATIONS

- For use on elevators with high static loads
- Use when roller wheel preload forces clearly exceed the 25 - 50 lbf (110 - 220 N) recommended for neoprene roller wheels
- Polyurethane roller wheels can be used at forces up to 300 lbf (1,335 N) per wheel. However, keep static load as low as possible to avoid flat spotting

Heavy-Duty Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
ED02020	3	EC18446	3-1/4" Green Polyurethane Roller Wheel
ED02022	3	EC18441	3-1/4" Red Polyurethane Roller Wheel