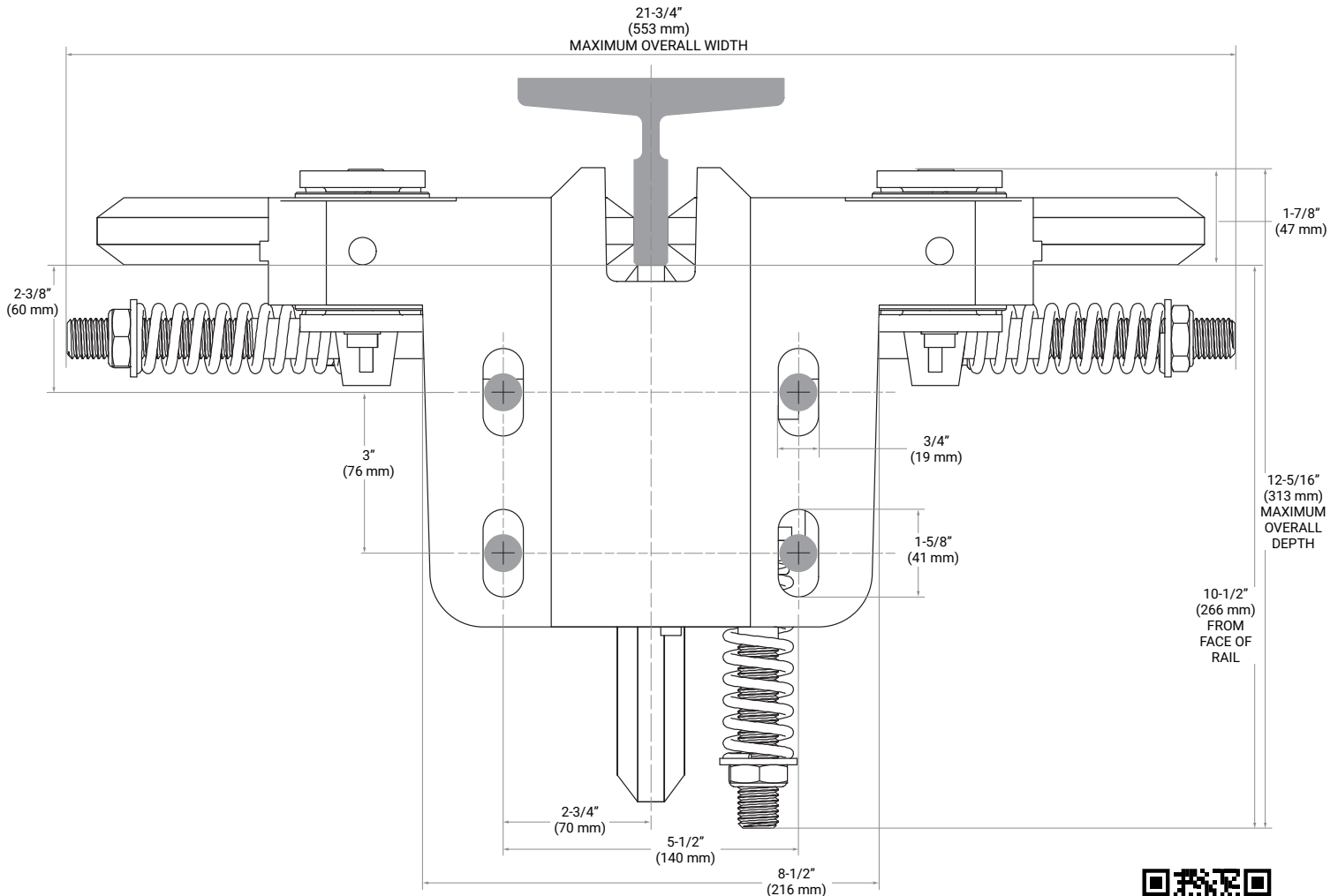




EXPRESS 3

MOUNTING SPECIFICATIONS



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



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

The Next Level in Ride Quality

Designed for elevator cars with speeds up to 2,000 fpm or capacities up to 5,000 lb in high-rise buildings

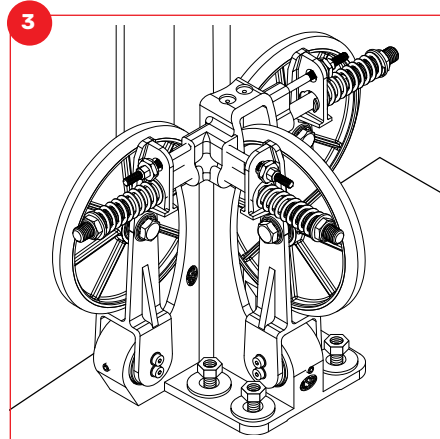
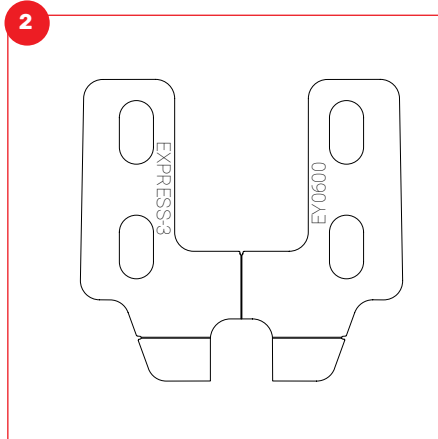
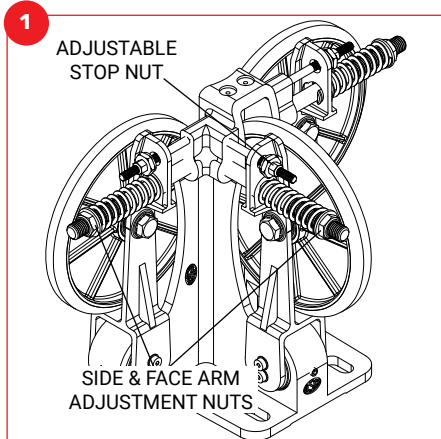
If the bolt pattern above does not line up exactly with your mounting pattern, **Flex-Mount™ Adjustable Adapter Plates** are the best time-saving, and money-saving solution. Contact us to find out more.

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.



→ The Express-3 roller guide comes completely assembled

› **MOUNTING HARDWARE IS NOT INCLUDED**

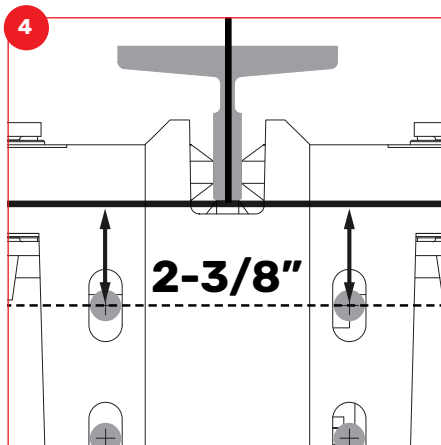
→ To comply with ASME A17.1-2013 requirements for limiting the lateral travel of guiding members, the roller guide **MUST** be installed with an ASME-compliant adapter plate beneath the roller guide base

→ Secure all four roller guides to the car frame

› Start with either of the top roller guides

→ Position guide base over mounting holes or studs

› Install mounting hardware

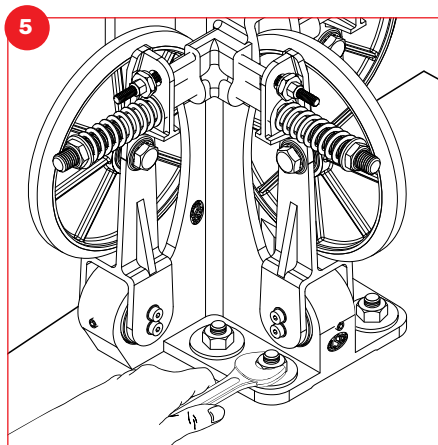


→ Ensure guides are aligned correctly (as shown)

› Center face roller wheel tread on the face of the rail

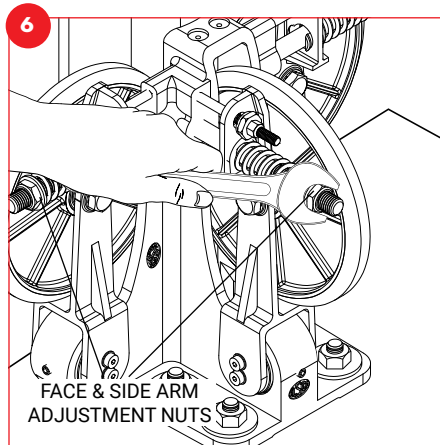
› Position guide base so entire side roller wheel will engage with guide rail once preload force is applied

› The centers of the front mounting bolt slots should be approximately 2-3/8" (60 mm) back from the face of the rail



→ Securely tighten mounting bolts and/or nuts and torque as required before making any adjustments

› Ensure all four roller guides are secured to the car frame

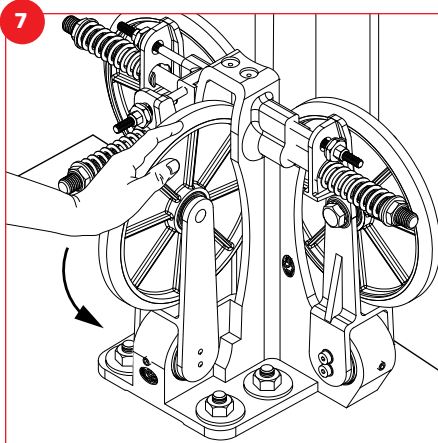


→ Begin face and side arm adjustment with top two roller guides

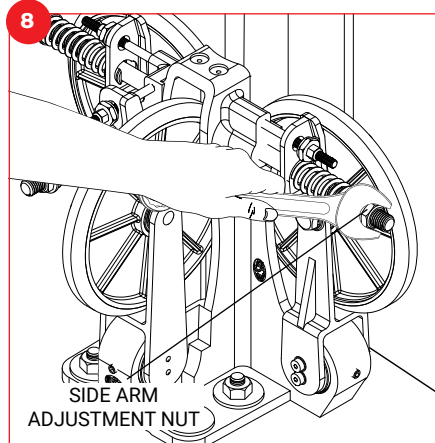
→ Turn face and side arm adjustment nuts on 1st guide until all three roller wheels just touch the rail

› There should be no force on the rail at this point

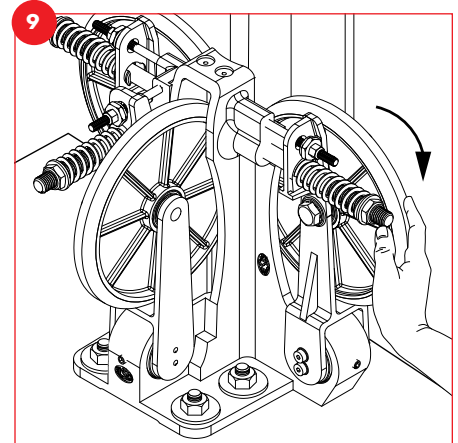
→ Repeat process for the opposite top roller guide



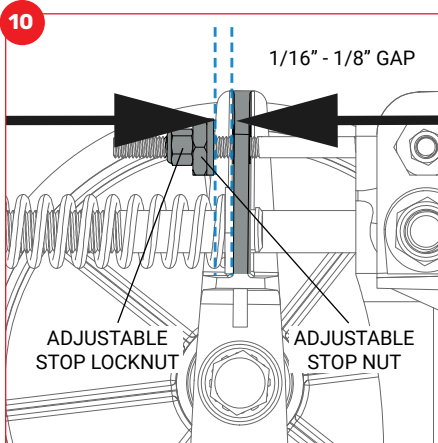
- Set face arm wheel preload force on the rail
- Turn face arm adjustment nut 2 full turns
- Repeat on face arm wheel on opposite guide
- Test the preload force of the face arm roller wheel on the rail
 - › It should be possible to skid the roller wheel by hand with moderate effort
 - › This represents approximately 25 - 50 lbf (110 - 220 N) of force on the rail
 - › Ensure face roller wheel forces are equal for each guide



- Set side arm wheel preload force on the rail
- Turn side arm adjustment nut 2 full turns on each side of the roller guide
 - › Entire side arm roller wheel tread should engage with the side of the rail
- Repeat on the opposite top roller guide



- Test the preload force of the side arm roller wheels 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



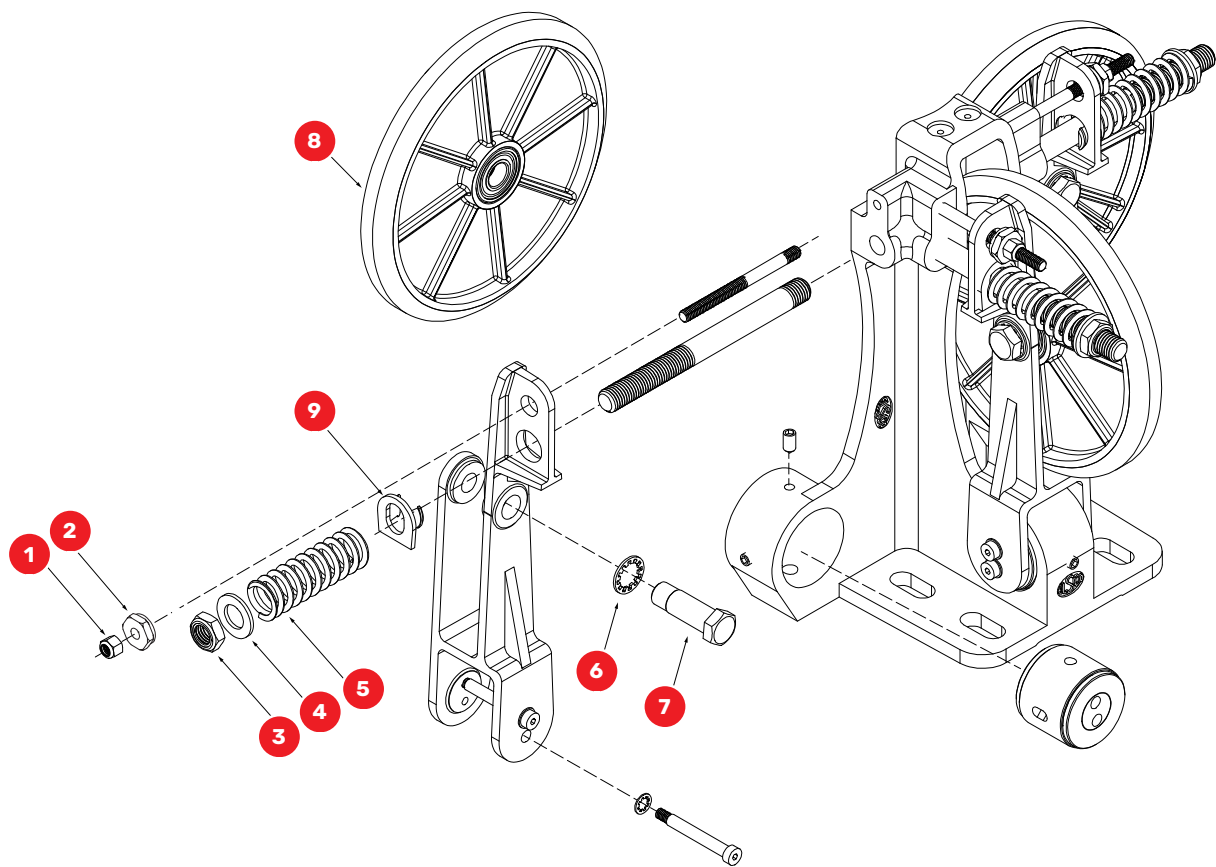
- Set roller guide float
 - › Turn adjustable stop nut to increase or decrease gap between the arm and the rubber surface of adjustable stop nut to achieve desired float
 - › Recommended gap is between 1/16" - 1/8" (1.6 - 3.2 mm)
 - › Tighten adjustable stop locknut to set float

- 11 → Repeat step 10 for all three adjustable stops on each top roller guide

- 12 → Repeat steps 6 - 10 on the bottom two roller guides

- 13 → After all adjustments have been made, ride elevator in both 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

EXPRESS-3 ROLLER GUIDE SERVICE PARTS LIST



KEY	QTY	PART #	DESCRIPTION
1	3	3100154	Locking Hex Nut
2	3	EY02011	Adjustable Stop Nut
3	3	EY02034	Locknut
4	3	EY05002	Flat Washer
5	3	EY02033	Side/Face Arm Spring
6	3	EA18388	Lock Washer
7	3	EX02013	Wheel Stud
8	3	See Roller Wheel Configurations	
9	3	EY02055	Arm Bushing

ROLLER WHEEL CONFIGURATIONS

Typical Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
EY02010	3	EX02002	10" Black Neoprene Roller Wheel