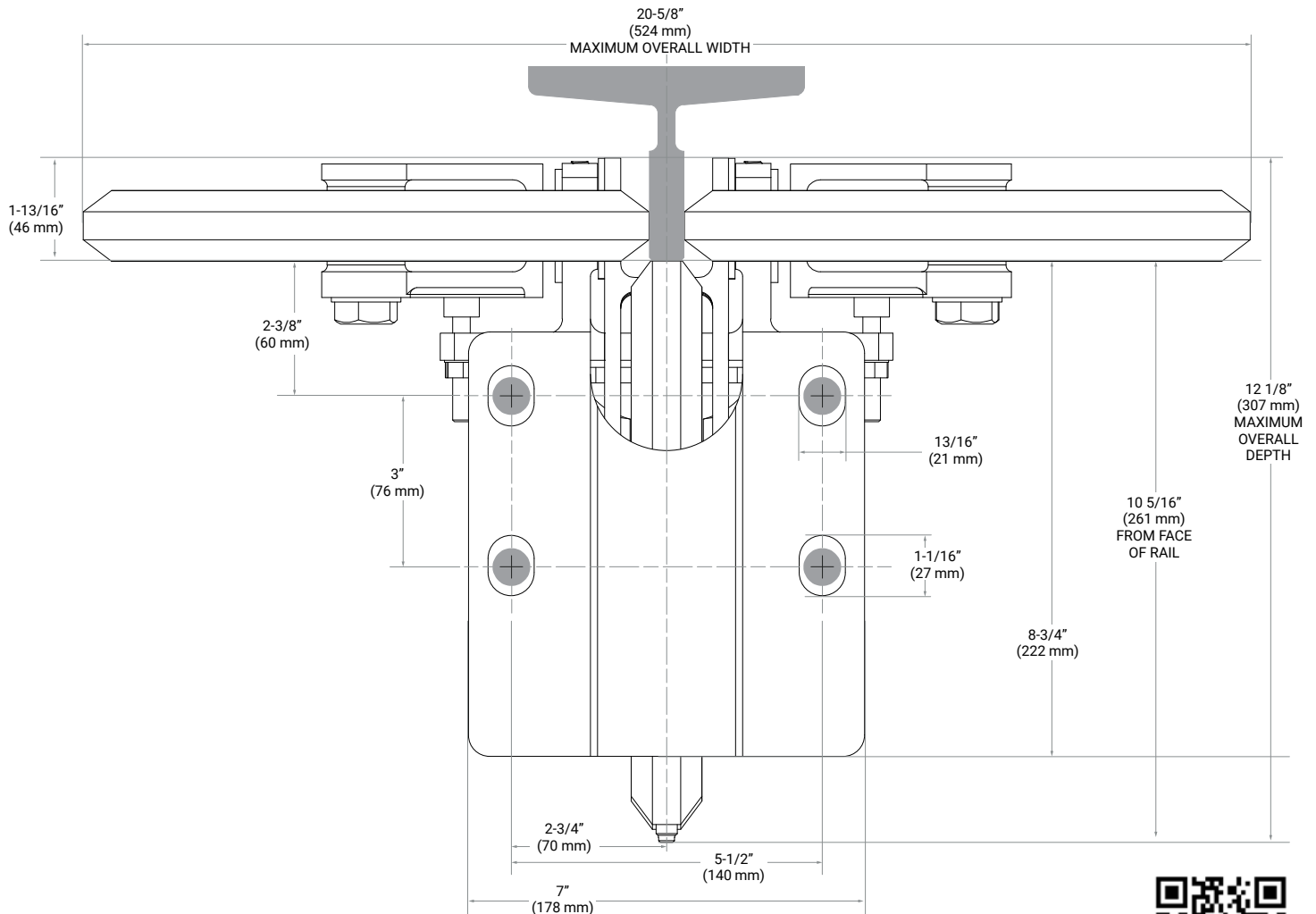




EXPRESS 6

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 Pinnacle of Roller Guide Performance

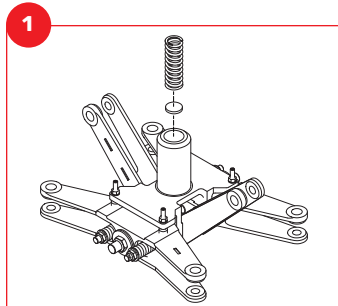
Designed for elevator cars with speeds up to 2,000 fpm or capacities up to 6,000 lb in standard applications in high-rise buildings. Contact ELSCO Customer Service for higher-speed or more challenging load applications.

For optimal roller guide performance and life, clean and properly align rails, and balance car before operation. Upon receipt of your shipment, inspect the contents and immediately file a claim with the carrier if there is any damage.

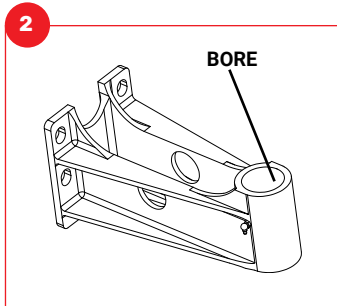
INSTALLATION INSTRUCTIONS:

The Express-6 roller guide includes:

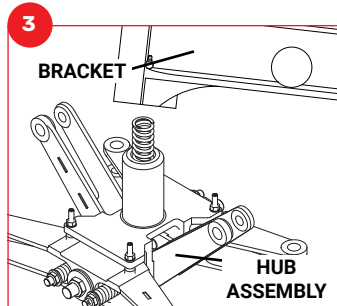
- › Mounting Bracket
- › Hub and Arm Assembly
- › 6 Roller Wheels
- › 6 Wheel Studs, 6 Lockwashers
- › Hub Adjustment Screw Assembly
- › Spring
- › Solid Stop Washer
- › **MOUNTING HARDWARE IS NOT INCLUDED**



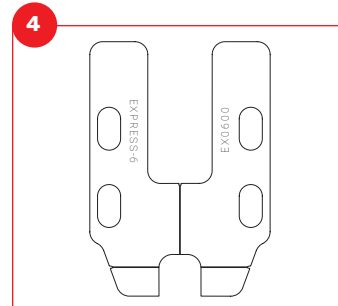
- Insert the solid stop washer into the hub
- Next insert the spring into the hub
- Coat the round shaft part of the hub with a light coat of grease



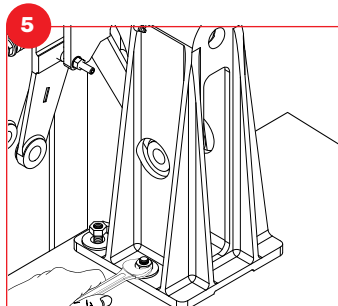
- Apply a light coating of grease to the bracket bore



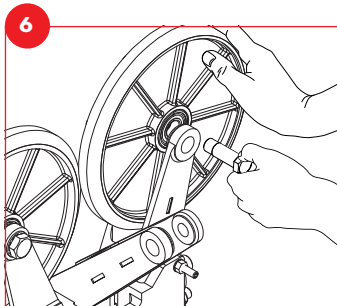
- Place the bracket on the hub assembly



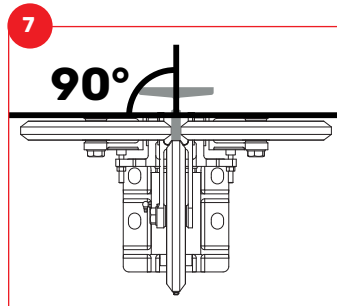
- To comply with ASME A17.1-2013 requirements for limiting the lateral travel of guiding members, the roller guide **MUST** be installed with an ASME-compliant adapter plate beneath the roller guide base



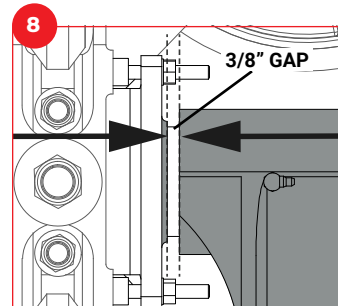
- Position the hub and bracket assembly over mounting holes or studs
- › Install mounting hardware
- › Tighten lightly to hold guide assembly in place prior to final assembly



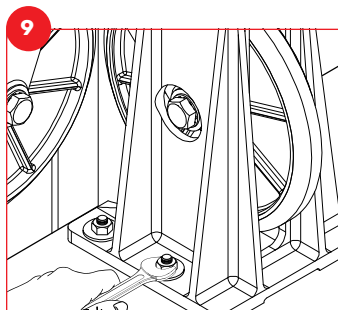
- Install wheels, wheel studs and lockwashers and tighten securely



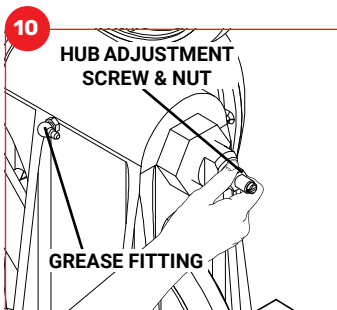
- Ensure the guides are aligned correctly (as shown)
- › The centers of the front mounting bolt slots should be approximately 2-3/8" (60 mm) back from the face of the rail



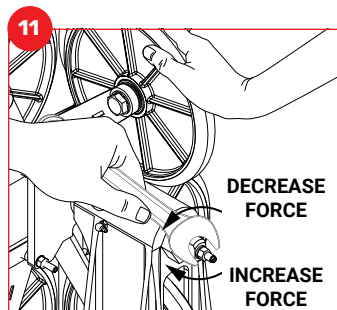
- Set 3/8" (9.5 mm) gap between wheel cluster assembly and bracket
- Note:** Ensure both face roller wheels are firmly seated against the rail.



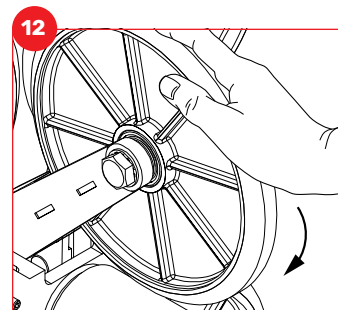
- Securely tighten mounting bolts and torque as required
- Install the remaining roller guides on top and beneath the elevator



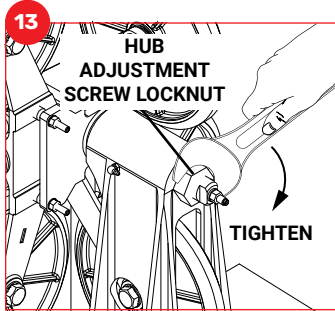
- Lubricate the bracket and hub with general purpose grease
- › A small amount of grease should appear between the hub and the bracket
- Install the hub adjustment screw assembly and nut in the bracket



- Set face arm wheel preload force on the rail
- › Turn the large hub adjustment screw until roller wheel tread is compressed 1/32" - 1/16" (0.8 - 1.6 mm) on the rail



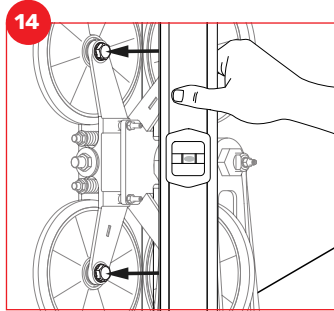
- Test the preload force of each face roller wheel on the rail
- › It should be possible to skid the roller wheel by hand with moderate effort
- › This represents approximately 25 - 50 lbf (110 - 220 N) of force on the rail



→ Verify the face wheel preload force and bracket and hub gap measurement (refer to step 8) are equal for each guide

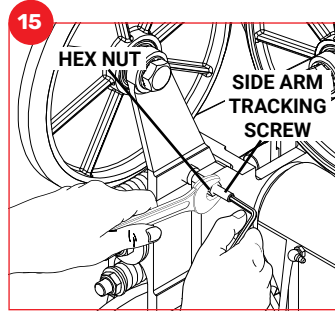
- › If correct, tighten hub adjustment screw locknut

CAUTION: This gap measurement may now be greater than 3/8" (9.5 mm), but should never exceed 1/2" (12.7 mm).



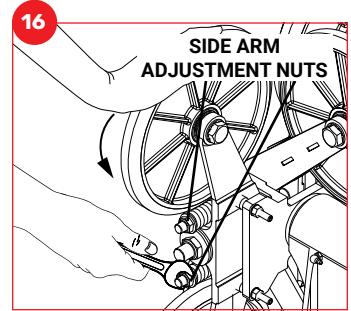
→ Verify each pair of side arm roller wheels is tracking parallel to the face of the rail

- › To check tracking place a level on the wheel stud heads or machined surfaces where tracking screw pads contact the arm
- › Adjust if necessary



→ Adjusting side arm tracking

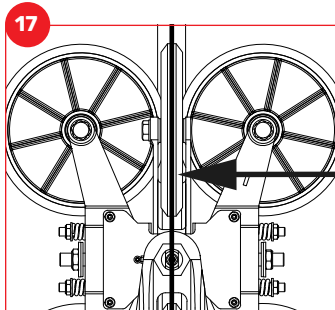
- › If necessary to adjust the side arm tracking, first loosen the hex nut
- › Next securely hold the hex nut with a wrench while using a 5/32" hex key to adjust the position of the tracking screws until top and bottom roller wheels are parallel to the face rail
- › Tighten the hex nut down against the hub



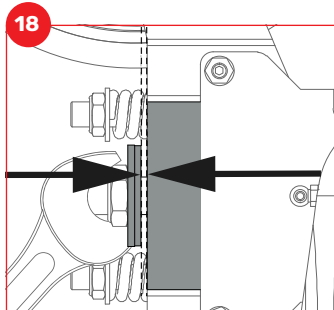
→ Set side arm wheel preload force on rail

- › Turn side arm adjustment nuts until side roller wheels are compressed 1/32" - 1/16" (0.8 - 1.6 mm)

Note: This adjustment also controls the centering and tracking of the face arm roller wheels.

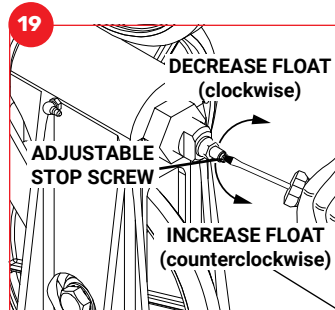


→ Verify face arm roller wheels are centered on the face of the rail



→ Fine tuning side arm float

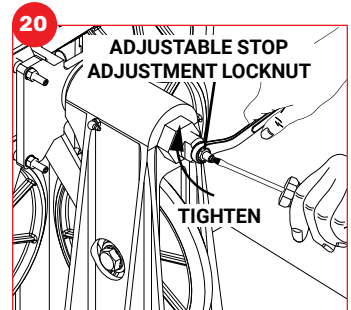
- › Set the positive stop to the recommended 1/8" (3.2 mm) gap



→ Fine tuning post-to-post float

- › First reduce float to zero - turn adjustable stop screw clockwise until it makes contact with the solid stop washer
- › Increase float - turn adjustable stop screw counterclockwise

Note: 1 full turn equals 1/16" (1.6 mm) of float. For optimal results set the float at 3/16" - 5/16" (4.8 - 8 mm).

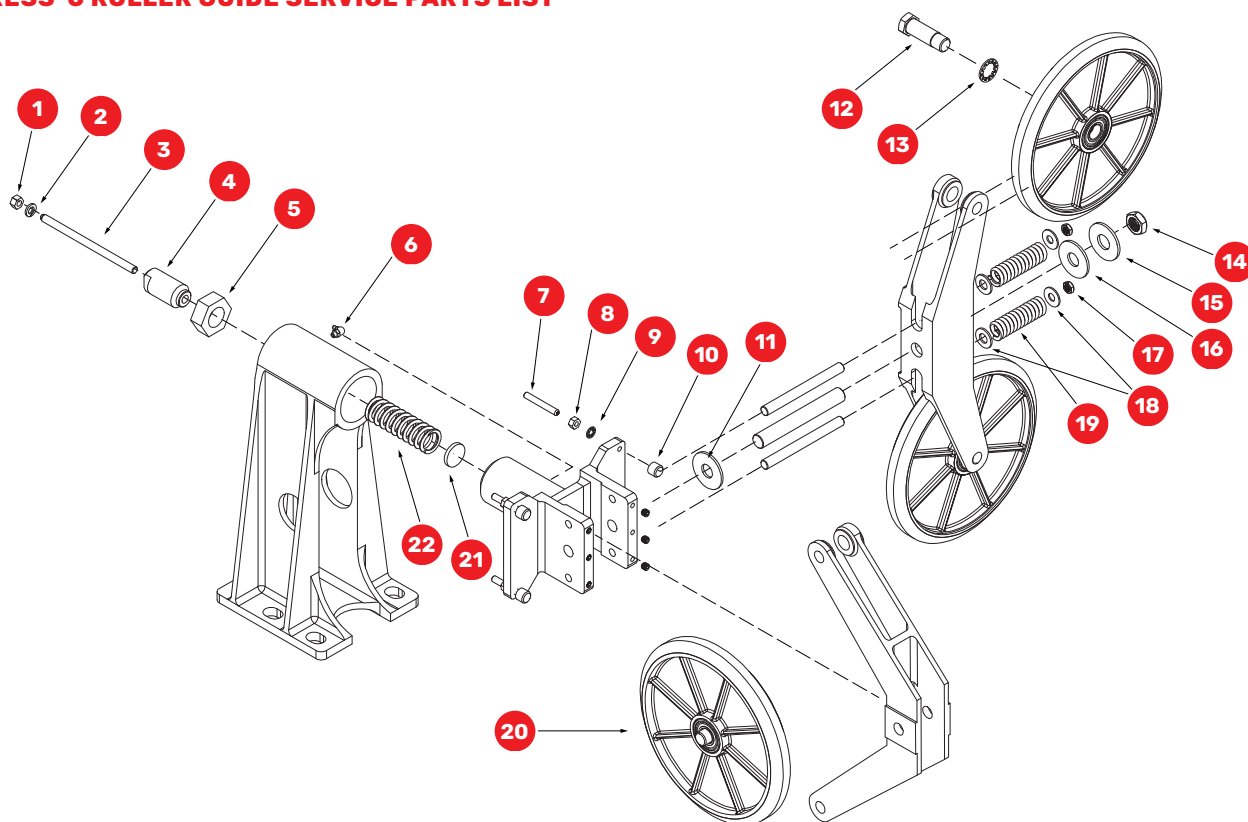


→ Set post-to-post float by tightening locknut while holding adjustable stop screw in place

21

- 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-6 ROLLER GUIDE SERVICE PARTS LIST



KEY	QTY	PART #	DESCRIPTION
1	1	EA18329 ◆	Hex Nut
2	1	EA18330 ◆	Lock Washer
3	1	EA18326 ◆	Adjustable Stop Adjustment Screw
4	1	EA18327 ◆	Hub Adjustment Screw
5	1	EA19763 ◆	Hub Adjustment Locking Nut
6	1	EA18362	Grease Fitting
7	4	EA19387	Side Arm Tracking Screw
8	4	EC18428	Hex Nut
9	4	EF04131	Lock Washer
10	4	EX02020	EX02020 Tracking Screw End Pad
11, 16	4	EA18378	Rubber Washer
12	6	EX02013	Wheel Stud
13	6	EA18388	Wheel Stud Lock Washer
14	2	EA18376	Locknut
15	2	EA18373	Flat Washer
17	4	EC18422	Locknut
18	8	EX02026	Flat Washer

KEY	QTY	PART #	DESCRIPTION
19	4	EX02025	Side Arm Spring
20	6	See Roller Wheel Configuration Options	
21	1	EA18328 ◆	Solid Stop Washer
22	1	EA18380 ◆	Hub Spring

ROLLER WHEEL CONFIGURATIONS

Typical Installations

ASSEMBLY	QTY	PART #	DESCRIPTION
EX02000	6	EX02002	10" Black Neoprene Roller Wheel

- ◆ Parts can be ordered together as a replacement kit under part #EA18331