

THREE-WHEELED ROLLER GUIDES

EXPRESS 3

Follow these tips to install the Express-3 roller guide and ensure it is set up correctly. Most roller guide issues can be resolved by following the steps and performing the checks listed below.

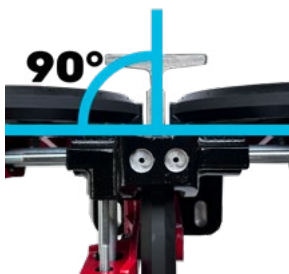
1. Roller wheel positioning

- › Face roller wheel should be centered on face of guide rail
- › Adjust roller guide left or right to center face roller wheel



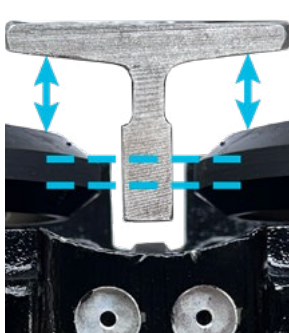
2. Roller guide and rail alignment

- › Roller guide must be aligned perpendicular to guide rail
- › Adjust roller guide until the alignment is correct



3. Guide base position

- › Position guide base so entire side roller wheel will engage with guide rail once preload is applied
- › Ensure side roller wheels and throat of base do not interfere with guide rail clips
- › Securely tighten down the guide before applying roller wheel preloads



4. Roller wheel preload (25 - 50 lbf)

- › Preload should be between 25 - 50 lbf on side and face roller wheels
- › It should be possible to skid roller wheels on guide rail by hand with moderate effort
- › Adjust face arm roller wheels on roller guides on **both** sides of elevator **before** adjusting side arm roller wheels



Face roller wheel preload

- › Adjust preload force on guide rail using the face arm adjustment nut
- › Ensure face arm forces on each guide are equal. Adjust as necessary

Side roller wheel preload

- › Adjust preload force on guide rail using the side arm adjustment nut
- › Ensure side arm wheels are still tracking in center of guide rail



5. Elevator float

- › Turn adjustable stop nut to increase or decrease the gap between arm and rubber surface of adjustable stop nut to achieve desired float
- › Recommended float gap 1/16" to 1/8"
- › Lock adjustable stop nut in place by tightening lock nut



Note:

Roller guide installation order

- › Install and adjust guides in correct order for optimum results
- › Secure all 4 roller guides to car frame
- › Adjust roller wheel force on top two guides first
- › Top roller guides
 - › First adjust face roller wheel on guide on each side of elevator
 - › Next adjust side roller wheels on guide on each side of elevator
 - › Finally set maximum float on face and side arms on both roller guides
- › Bottom roller guides
 - › Repeat steps in same order for bottom two roller guides

DO NOT lubricate any parts of Express-3 roller guide

Install the ASME adapter plates provided to be ASME A17.1-2013/CSA B44-13 code compliant

- › Position the plate using the alignment lines. The plate-to-rail gap should be less than 0.5" (12.7 mm)

If you still have questions about installing ELSCO roller guides, don't hesitate to call ELSCO Customer Service at 410.363.9020, or e-mail us at info@elscoguides.com. We are always available to help troubleshoot technical issues.