

THREE-WHEELED ROLLER GUIDES

MODEL B, MODEL D

Once the guides are installed, perform a final inspection to make sure they are set up correctly. Most roller guide issues can be resolved by performing the five checks listed below.

1. Roller guide and rail alignment

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

2. 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

3. Guide base-to-face of guide rail distance

- Install with correct distance from face of guide rail to the guide base
- Align center of the front mounting bolt slot the specified distance from face of guide rail
- Model B - 2" from face of guide rail
- Model D - 1" from face of guide rail

4. Roller wheel preload (25 - 50 lbf)

- Preload should be between 25 - 50 lbf on the side and face roller wheels
- It should be possible to skid roller wheels on guide rail by hand with moderate effort

Side roller wheel preload

- Adjust preload force on guide rail using the side arm adjustment nut

Face roller wheel preload

- Adjust preload force on guide rail using the face arm adjustment nut
- Turn side arm or face arm nuts clockwise to increase the force and counterclockwise to reduce it, until the correct force is achieved



5. Elevator float (MODEL B only)

- Set maximum float
- Turn square-head set screw to increase or decrease the gap between flat washer and head of square-head set screw
- Amount of float will be approximately twice the gap measured i.e. 1/16" gap = 1/8" float

Note:

- DO NOT lubricate any parts of Model B or Model D roller guide
- Model D does not have adjustable stops

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.