QUIET GLIDE ROLLING LADDER

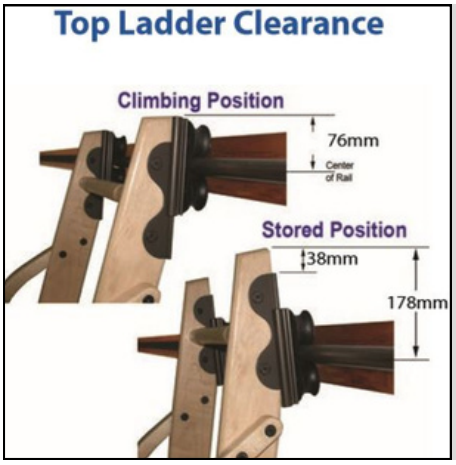
INSTALLATION GUIDE

QG.200-300-500-700 Series Hardware

General Installation & Specification Guide

For QG.200, 500, 700 Series Hardware Kits

Getting Started



Special Application Notes/Cautions:
178mm clearance is required above the rail's centerline when the ladder is in the storage position (to avoid contacting ceiling or crown molding), and at least 76mm is needed when the ladder is fully angled for climbing.

- **Do not mount rail brackets directly onto a drywall surface**, even if there is solid wood behind. Rail brackets will eventually crush the drywall, potentially causing the rail system to fail.
  Rail brackets need to be installed directly onto a solid wood surface.
- If installing a Classic Rolling or Swivel Rolling (200 or 700 Series), **the ladder will need to be placed onto the rail before fastening to wall.**

Step 1: Rolling Hardware Installation

Upper Hardware Assembly

1. Align the Upper Hardware Assembly on the beveled portion of the ladder by measuring down 38mm from the tip of the ladder (Figure 1) (the top turned rung will be centered between the bolt holes on the side of the hardware)
2. Using a Vix bit or similar self-centering drill guide, drill a pilot hole into the edge of the ladder for the (2) #10 x ¾" flat-head, Phillips-drive screws. Secure each Upper Hardware Assembly to the top of the ladder (Figure 2)
3. Using a 6.5mm drill bit, drill the holes for the ¼-20 KD bolts on the sides of the ladder (Figure 3)

Recommended procedure for this:

- Using the holes in the top roller guide as a drill guide, drill a 6.5mm hole half way through the thickness of the ladder slide rail.
- Drill the same hole on the opposite side of the top roller guide, producing a 6.5mm through hole in the ladder side rail.
- Follow this same procedure for all 4 through holes and complete the assembly by securing the top roller guide with the supplied ¼-20 KD bolts and acorn nuts.

Figure 1

Figure 2

Figure 3

Bottom Hardware Assembly

1. Place the bottom roller housing onto the bottom of the ladder using the “U” bracket portion of the housing. Verify that the bracket is flush with the bottom of the ladder. Because of the 12-degree angle of the bottom of the ladder this will align the housing diagonally across the ladder side rail.
2. Mark the location of the “U” bracket on the bottom of the ladder, approximately 38mm from the front edge of the ladder (Figure 4).
3. At the same time mark on the side of the ladder the location of the top mounting hole of the bottom roller housing. Measure these marks and transfer these measurements to the other ladder side rail so that the hardware will mount identically on both ladder side rails.
4. Using a 6.5mm drill bit, drill a through hole in the ladder side rail for the ¼-20 KD bolt (Figure 5)
5. Predrill the ladder side rail for the #10 x ¾” screw using a 3mm drill bit. This is critical step to help avoid splitting the wood, which can lead to failure of the ladder when weight is applied.
6. Install both the bottom roller guides using the included screws and KB bolts and acorn nuts.

Figure 4

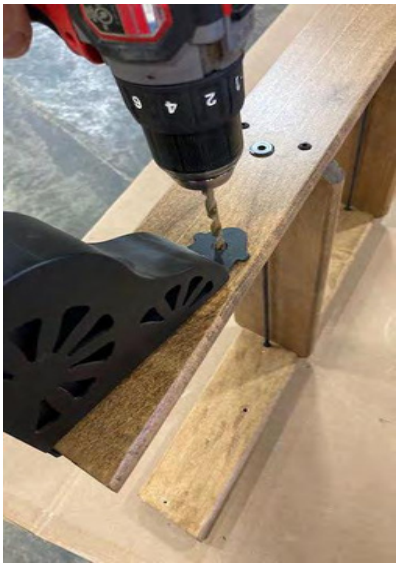


Figure 5

Bottom Wheel Locking Adjustment

The amount of weight needed to engage the breaking mechanism on the breaking bottom wheel assemblies is adjustable, the unit is preset for approximately 32kg.

1. Steps for adjustment (Use a 5.5mm Allen wrench for adjustments)
2. Locate the Allen drive screw in the bottom of the wheel housing (see blue box in Figure 6)
3. To decrease sensitivity (need more weight to engage breaking mechanism), turn screw clockwise. To increase sensitivity (need less weight to engage breaking mechanism), turn screw counterclockwise. Be careful not to loosen too much to prevent the spring from falling out (Figure 7).

Figure 6

Figure 7

Step 2: Splice Installation

If not using a Splice Kit to connect multiple rails, skip to section: Bracket & End Cap Installation

To connect track rails using the Quiet Glide Splice Kit (QG.41) follow these steps:

1. Insert half the length of the roll pin into one of the rail ends (Figure 8).
2. Slide the steel bar halfway into the rail and tighten one of the set screws (Figure 9).
3. Line up the other rail and slide it over the pin and bar, ensuring a snug connection (Figure 10).
4. Complete the splice by tightening the remaining set screw.

Figure 8

Figure 9

Figure 10

Step 3: Bracket & End Cap Installation

1. Slide all the brackets onto the rail -Figure 11 (brackets should be no more than 813mm apart).
2. Install the End Caps to each end of the rail.
   Using a 1/4"-20 tapping tool, tap the ends of the rail (Figure 12).
   Secure the end cap to the track using the supplied 1/4"-20 KD bolt and 4mm Allen wrench (Figure 13).

Do not tighten the end caps too tightly if using a ladder hardware designed to stay attached to the rail (such as the Classic Rolling or Swivel Rolling) as you will need to remove these to attach the ladder hardware in the next step.

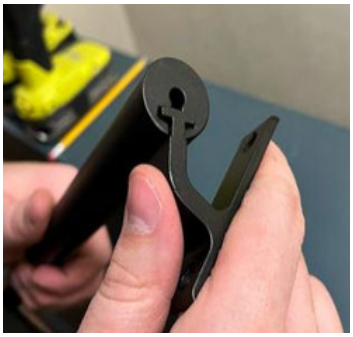


Figure 11

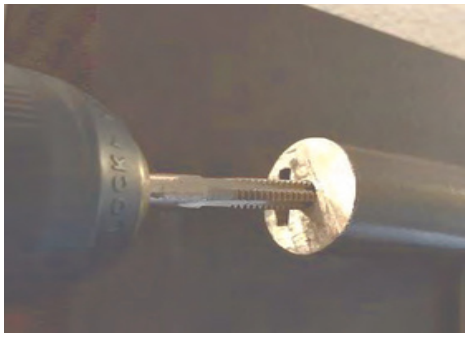


Figure 12

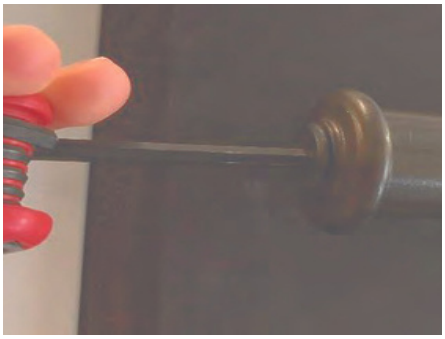


Figure 13

Step 3: Rail Installation

1. Determine the center rail installation height and mark the location for the bottom of the mounting brackets.
2. Hold the metal rail up to the mounting surface, lining up your brackets with the planned locations marked. Mark the center of both the fastener holes. (Figure 14 & 15)
3. Pre-drill your marked locations using 3mm bit for soft wood and 5mm for hard wood. (Figure 16)

Figure 14

Figure 15

Figure 16

If using a ladder hardware designed to stay attached to the track (such as the Classic Rolling or Swivel Rolling) your ladder will need to be placed on the rail before continuing to the next step. Remove an end cap to slide ladder onto the rail. Ensure both end caps are securely fastened once hardware is in place.

4. Bring your metal rail with brackets to your mounting surface and fasten each bracket to the wood surface with the included screws. (Figure 17)

Figure 17

5. Use an accurate leveling device to ensure that the horizontal locations of the bracket and rail are properly aligned.
6. Assuming your rail has been correctly installed and is level, your ladder is now ready to be attached, if it was not attached previously.
7. Check your rail rollers and ladder floor wheels are clean and free of debris and will not hit any obstructions when moving along the rail.

Congratulations on installing your Quiet Glide Ladder