INSTRUCTION MANUAL

for Installing

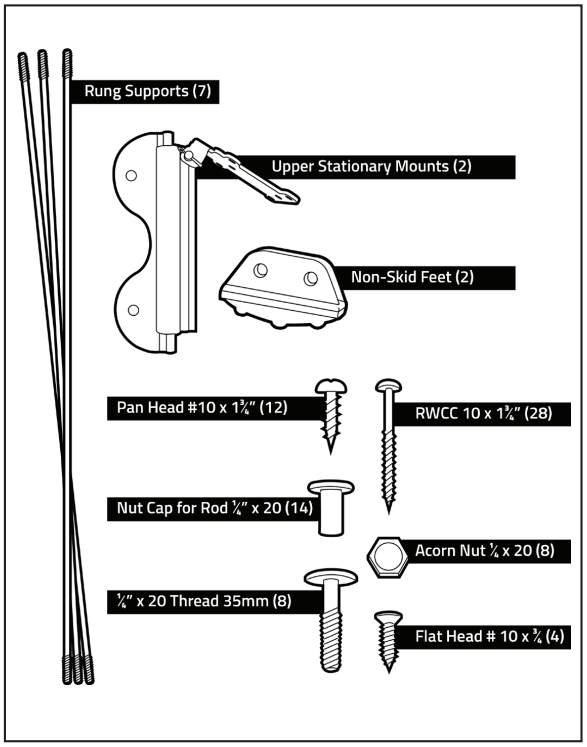
STATIONARY LOFT

LADDER HARDWARE

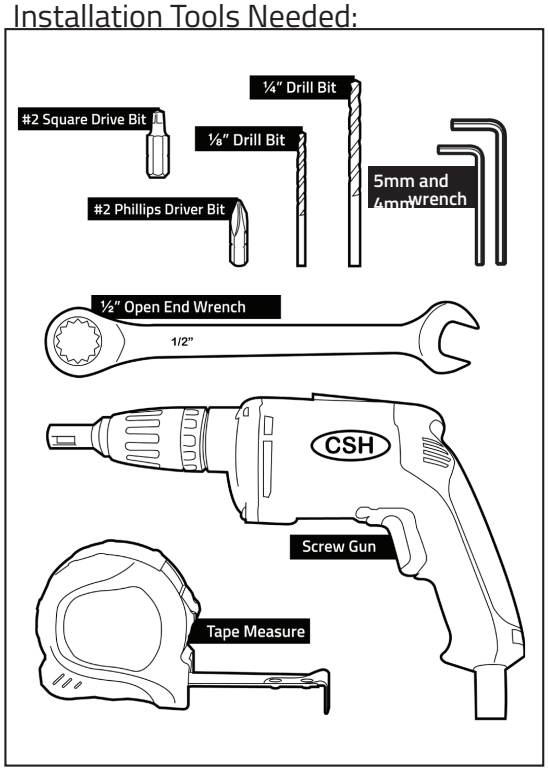
QG.830 Series

Instruction Manual for Installing Stationary Loft Ladder Hardware

Shown: QG.830.08



Installation Tools Needed:



Step 1: Calculating ladder length and clearances

- All ladders using the Stationary Loft Hardware are custom, made-to-order ladders.
- On all custom Stationary Loft Ladders, the top step will be 10" down from the top of the ladder. All other steps (except the bottom step) will be 11-1/2" apart.

The distance between the floor and the bottom step will be variable, depending on the total length of the ladder

- In order for the ladder to properly move from the stored to climbing positions (Figures 1a & 2a),

it is critical to order the correct length ladder based on the planned location of the sliding Upper Guide flat plate.

To calculate the length of the ladder required for your specific application:

1. Place the bottom of the Flat Plate of the Sliding Upper Guide hardware 3-1/2" down from the loft floor level.
2. Measure up from the floor to the bottom of the Flat Plate. Add 5" to this measurement to determine the custom ladder length.

Note: If the loft floor edge protrudes more than 1" beyond the vertical surface of the header board, place the bottom of the Flat Plat 3-1/2" down from the bottom of the protruding loft floor.

Figure 1a

Stored Position

Figure 1b

Climbing Position

Step 2: Installing the Sliding Upper Guide Hardware to the Ladder

1. On the back edge of both the ladder side rails, measure down ¾" down from the tip of the ladder and scribe a straight line (*see figure 3a and 3b)*.
2. Align the top edge of the **Sliding Upper Guide** hardware with the mark on the ladder.

Figure 3a

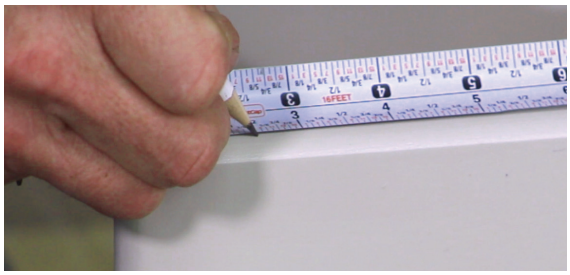
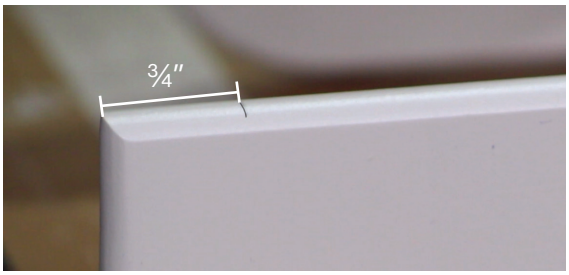
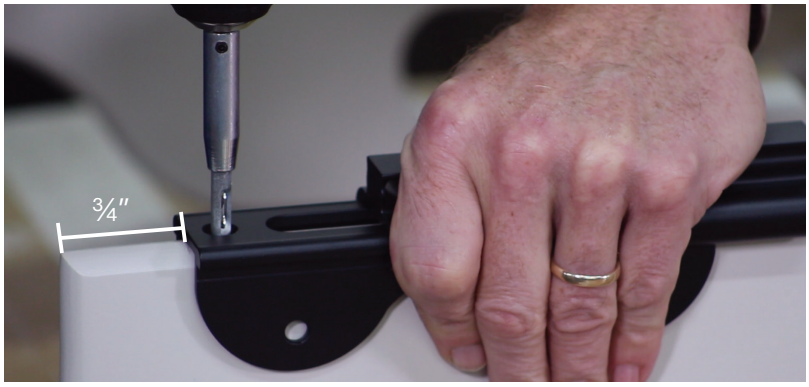


Figure 3b



3. Using a #9 Vix Bit or a ⅛" drill bit, drill (4) pilot holes into the edge of the ladder *(see figure 4a)*.
4. Use the supplied #10 x ¾" flat-head screws to secure the sliding upper guides to the top of the ladder *(see figure 4b)*.

Figure 4a



Pre-drilling using Vix Bit or 1/8" drill bit

Figure 4b

Securing hardware to ladder using Phillips-drive flathead screws

5. Complete the installation of the **Sliding Upper Guide** to the ladder using the ¼" x 20 bolts and acorn nuts by following the procedure below.

Using a ¼" drill bit and the holes in the top roller guide as a drill guide, drill a ¼" hole halfway through the thickness of the ladder slide rail.

Figure 5a

Drill the same hole on the opposite side of the top roller guide, producing a ¼" through hole in the ladder side rail (see figure 5a).

Follow this same procedure for all 4 through holes and complete the assembly by securing the Sliding Upper Guide with the supplied ¼" x 20 KD bolts and acorn nuts (see figure 5b and 5c).

Figure 5b

Figure 5c

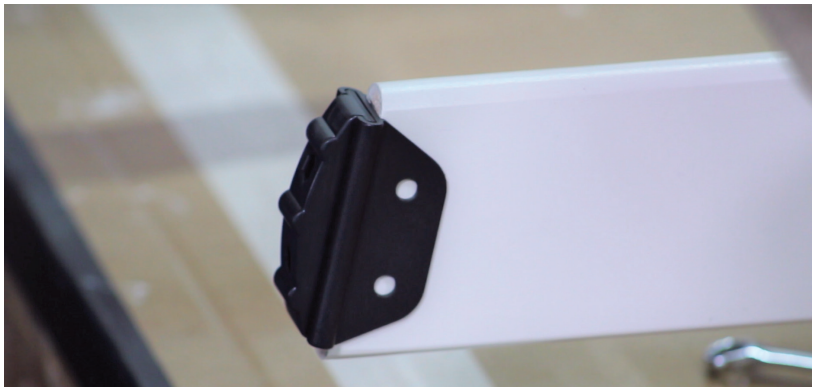
Step 3: Installing the Bottom Foot on the Ladder

1. From the back edge of the ladder side rails, draw a line on the bottom of the rail ¼" in from the edge *(see figure 6)*.

Figure 6

2. Align the back edge of bottom foot hardware to the scribed line, pushing the bottom foot hardware tight and flush to the bottom surface of the ladder *(see figure 7)*.

Figure 7



3. Fasten the bottom foot onto the rail with the ¼" x 20 KD bolts and acorn nuts following the procedure detailed above *(see figure 8a and 8b)*.

Figure 8a

Figure 8b

Step 4: Installing the Ladder onto the Header Board of the Loft

1. Align the ladder in the desired position in front of the opening to the loft.
2. Stand the ladder upright in the vertical stored position *(see figure 9)* and using the supplied **#10 x ¾" pan-head screws**, install the **Flat Plate** hardware. Be sure to position the bottom of the **Flat Plate** along the scribed line on the header board *(see figure 10a and 10b)*.

Figure 9

Figure 10a

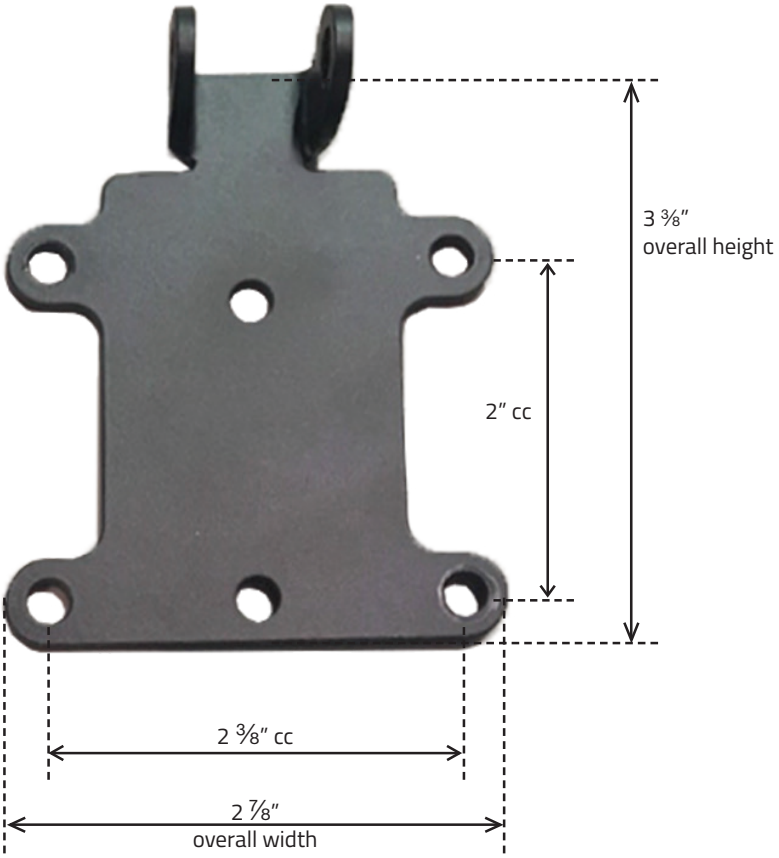
Figure 10b

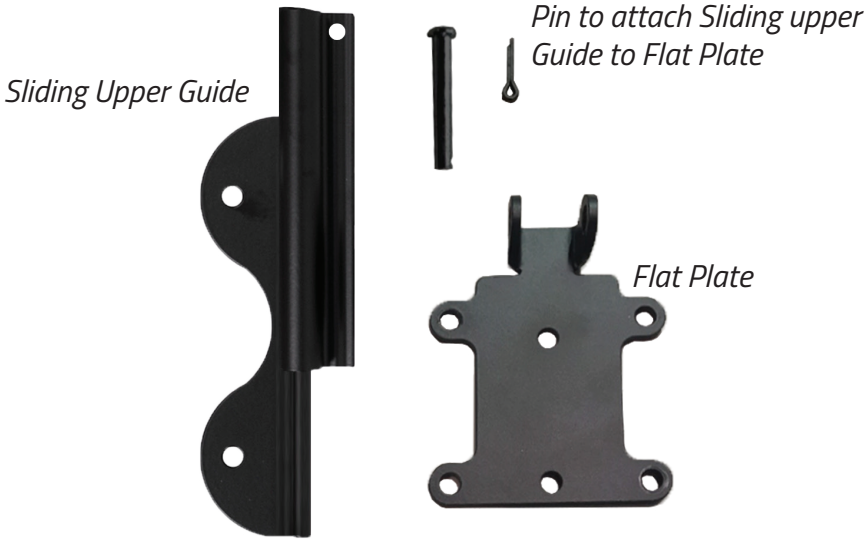
3. The ladder should now be able to be lifted and pulled out to the climbing position.

SPECIAL SAFETY NOTE:
Our stationary loft ladder and hardware will enable you to get up to the loft area. To ensure you can get up into and come back down from the loft safely, please install handrails firmly attached to the railing posts/ supports on either side of the opening. Also ensure these posts/supports are firmly attached to the loft floor.

Measurements for Flat Plate

Stationary Ladder Hardware
Flat Plate Dimensions





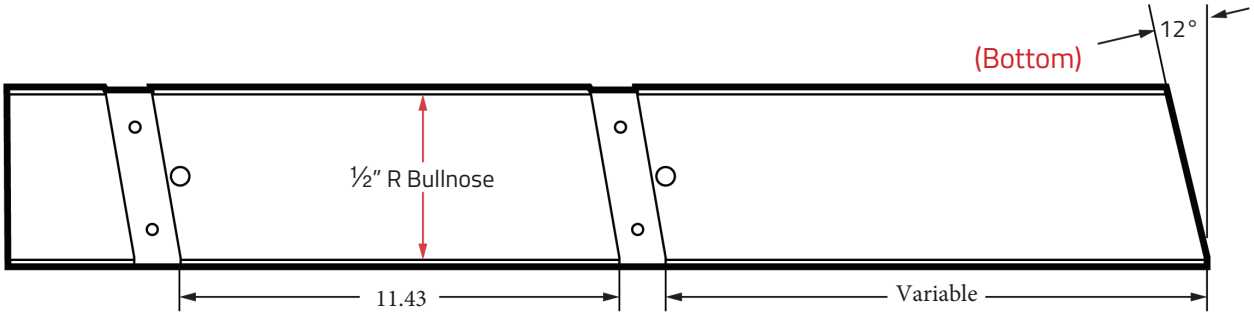
QuietGlide Ladder Dimensional Specification
Stationary Loft Ladder Application

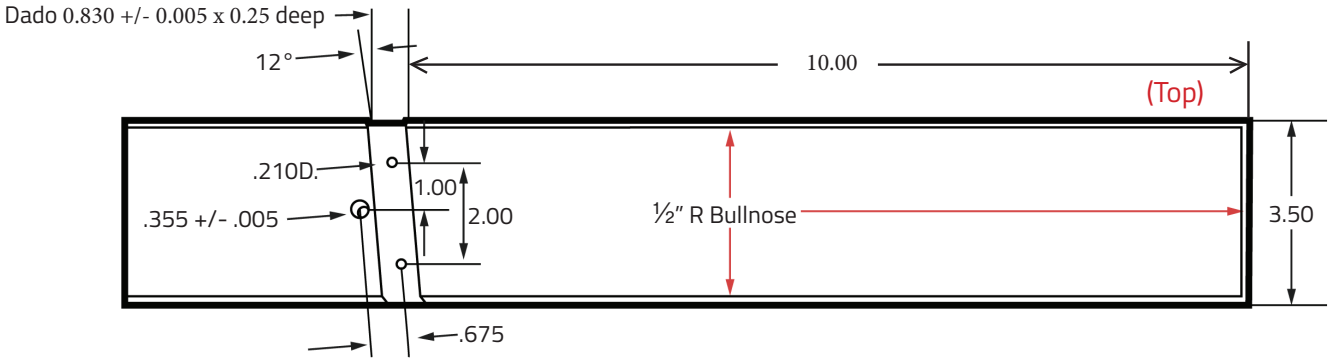
Notes:

All ladders are custom cut to length

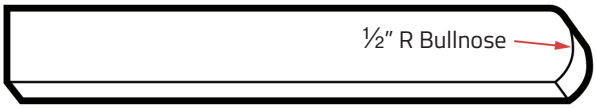
Sanded to 180 grit

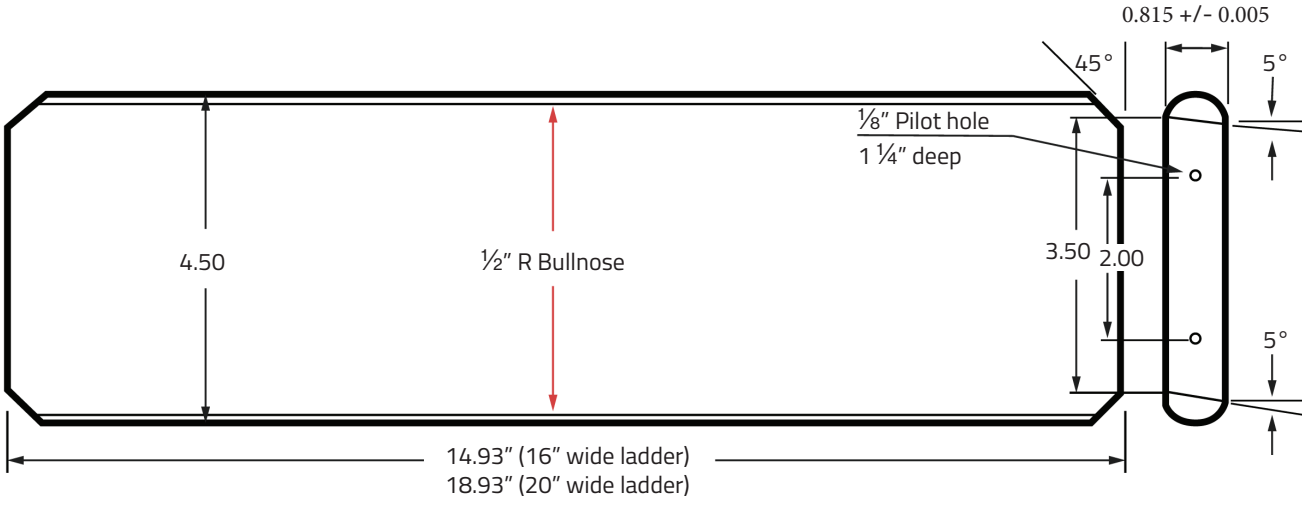
Material: Select or Better, Flat cut





Side Rail Material thickness 0.815 +/- 0.005





Rev. 04.21.23