VIEWRAIL

Surface Mount Glass Talon Installation Guide

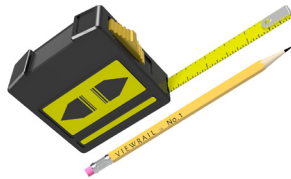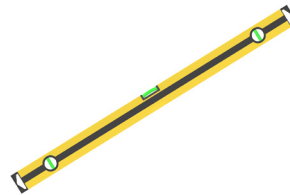## Tools Needed for the Installation
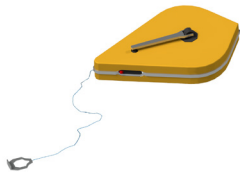
Chalk Line Tool

Tape Measure & Pencil

Level

Drill & $3/16$" Drill Bit

T-30 Torx Bits
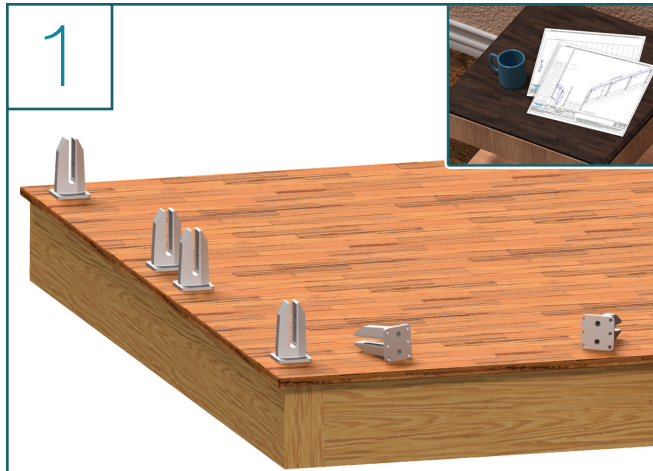
$3/16$" Allen Wrench

Silicone Sealant

Glass Suction Cup Handles

Things to Know Before You Get Started

- Read over the provided material prior to the start of your installation
- This is, at minimum, a 2 person job
- Viewrail Glass systems and fittings are normally designed to have a 1" gap between panels of glass

▶ YouTube

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youtube.com/viewrail

Surface Mount Glass Talon Installation Steps

1

- Before beginning, refer to your layout and compare the layout with the actual environment
- It will be useful to set up your Surface Talons on each run before continuing
- Site conditions may have changed
- Measuring and laying out your Surface Talons first will help ensure a smooth installation
- This will also help identify your starting points for a chalk line

2 **Optional**
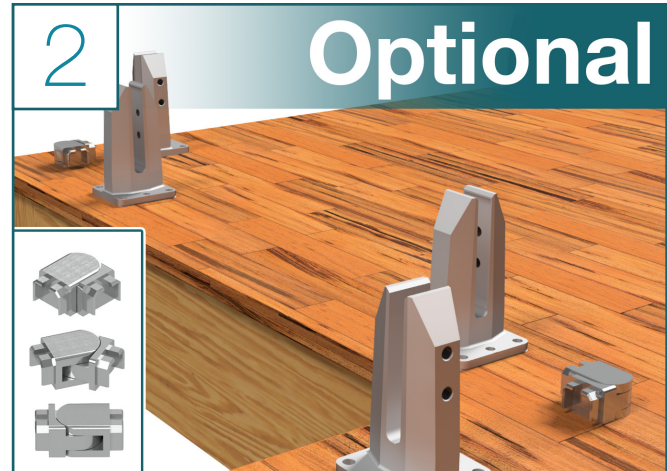
- If applicable, when identifying your Surface Talon Placements, corners should be double checked
- For any 90° or 45° corners, it will be useful to:
  1) Set your talons in place
  2) Refer to your layout & mark where each panel will end
  3) Use the 90° or 45° Glass Cap Couplers to make sure there is enough space in between panels
- If necessary adjust talon placement, ensuring to adjust the entire affected run


3
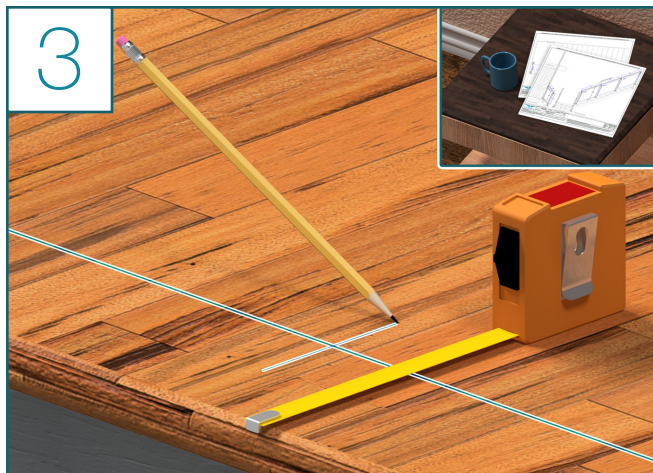
- Once completed, refer to your drawing and your set up Talons
- Snap a chalk line where the glass will need to run
- Make sure the glass line is far enough back from any nosing so the Surface Talon can mount into blocking
- Using the layout and hardware provided, identify, set up, and mark the center of where each talon will sit


4

- Take the talon and center it on your chalk line
- The foot plate has marks that are used to orient the talon properly along the chalk line
- Mark the hole placements
- There are 6 holes on the foot of the talon, a minimum of 4 must be populated, 2 on each side
- Set the talon aside

## Surface Mount Glass Talon Installation Steps (Continued)

5
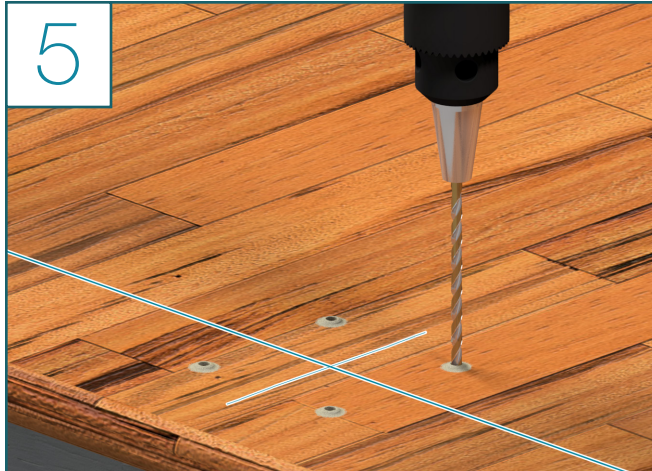
- Using a ³⁄₁₆" drill bit, drill a pilot hole for each marked location
- Pilot holes drilled into wood must be at least ¹⁄₂" shallower than the length of fasteners you are using

*Note: Orders to be mounted on wood flooring come with 3¹⁄₂" fasteners by default.*

6
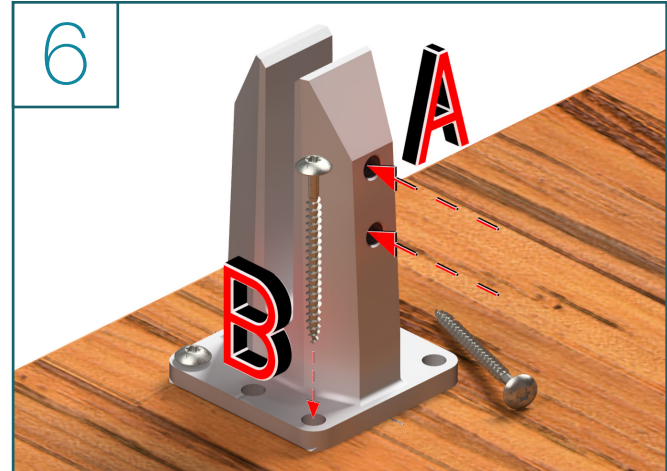
- It is easiest to install this system when the bolts holes (**A**) used to adjust the panel are facing an easily accessible location
- Set your talon accordingly
- Using the T-30 Torx Bit, screw the post mounting screws (**B**) down into your mounting structure


7
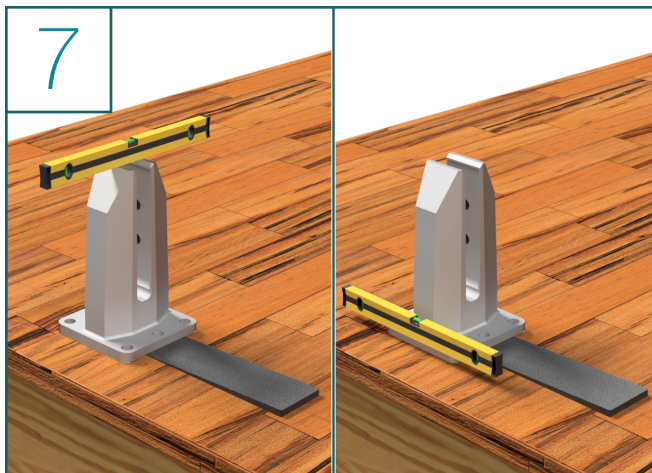
- It is important to make sure your Surface Talon is very level at this point
- Use a spirit level (or comparable alternative) to see if the talon is level
- If the talon needs adjustment, back the screws out enough to use the composite shims to adjust
- Adjust and repeat as needed, and break off any excess shim material

8
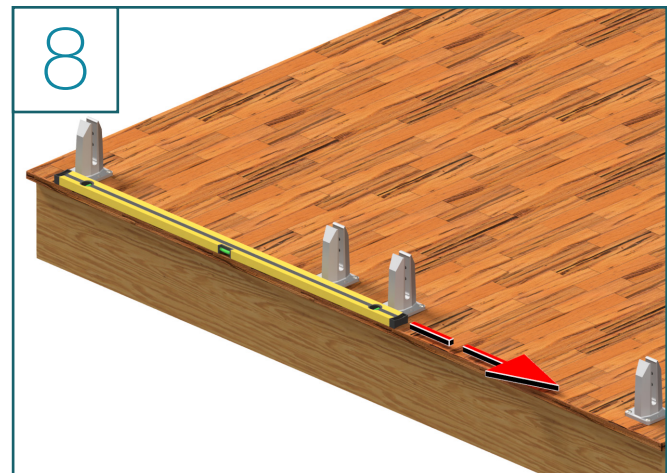
- Repeat steps 1-7 for the talons on this run
- Make sure the talons all line up on the run to ensure the best possible outcome

## Surface Mount Glass Talon Installation Steps (Continued)
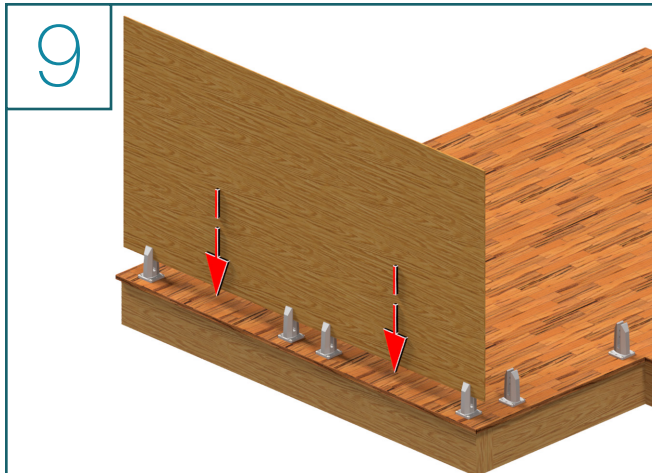
- It is very helpful to use a piece of straight ¾" plywood to drop into two consecutive talons as a test to ensure they are in line with each other
- When dropping in the ¾" plywood, there should be no pressure or significant resistance
- If there is, it is likely the talons are not square to each other and will create pressure on your glass panel
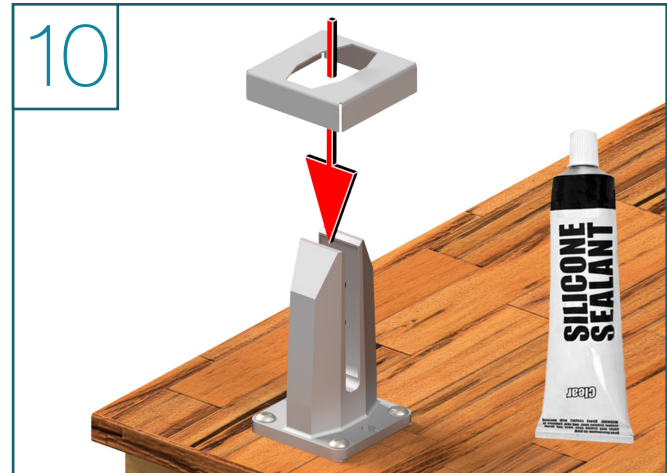
- Slide the foot cover in place over the talon
- You can use silicone, epoxy or equivalent to hold the foot cover in place
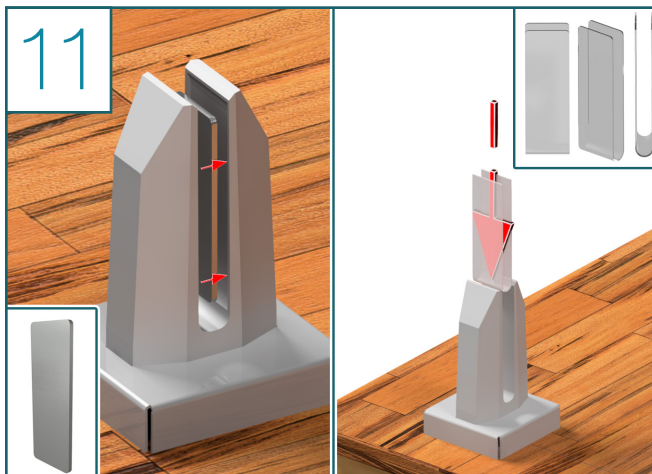
- Place the steel pressure plate into each talon
- Slide the Polycarbonate Gasket into place as shown
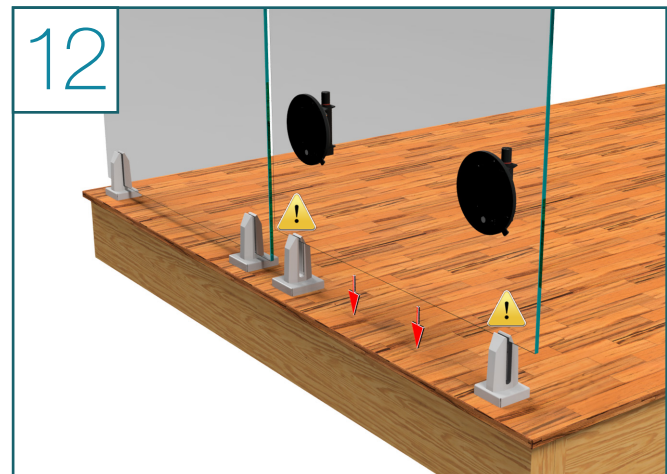
- Refer to your engineering drawings to locate the panel to install
- Using the glass suction cups, grab and move the panel into place
- Remember to avoid hitting edges or corners and to drop the glass straight down into the talons

⚠ *Caution: It is very important to keep the glass from hitting sharp edges or corners. Make sure you are setting the glass straight down into the talon grip.*

Surface Mount Glass Talon Installation Steps (Continued)
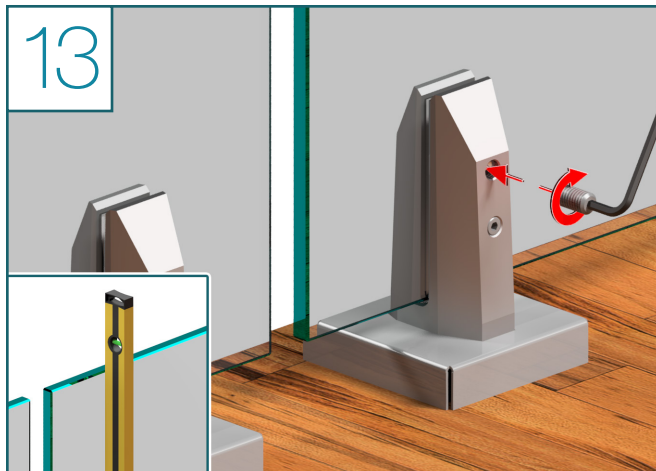
- With the glass panel in place, use the $3/16$" Allen wrench to tighten the two set screws in the talon
- You can adjust the level of the glass by alternately loosening or tightening the screws
- Use a level towards the top of the panel to help adjust your level
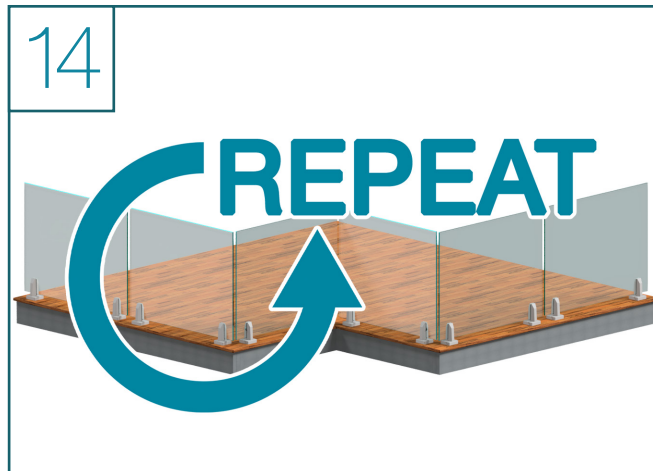
- Repeat all steps for any remaining runs of glass railing

Congratulations!
You're done with this section.

We'd love to see your work! Snap a few pics with your phone and send them to pictures@viewrail.com. Thanks for choosing Viewrail. Enjoy your new installation!