



ORANGE ALUMINUM

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LOCKING SLIDE TRACK SYSTEM

Installation Guide



The assembled bypass sliding door frame

Overview

Use Case: Enclosing and controlling access to open areas of furniture with lightweight bypass sliding doors. This system can support ¼" thick door panels made from glass, wood, MDF, acrylic, and more. Ideal for installation in both custom millwork construction and furniture, or in new casework furniture. Also ideal for retrofitting existing millwork or casework furniture.

BEFORE YOU BEGIN

Wear eye and hand protection when cutting or drilling, and when handling freshly cut aluminum edges. All dimensions in this guide are in inches. For retrofit projects, measure all four sides of the opening — do not assume the opening is plumb and square.

Materials & Tools Checklist

Materials

- ☐ Panel/sheet material for doors — ¼" thick acrylic, plexiglass, hardwood, plywood, MDF/fiberboard, etc.
- ☐ Fasteners — screws, nails, staples, etc.
- ☐ Adhesive (optional) — construction VHB tape or liquid/silicone adhesive
- ☐ Pull handles (optional)

Tools

- ☐ Metal-cutting tool — chop saw, hack saw, or similar
- ☐ Tape measure and pencil/marker
- ☐ Drill with ¼" bit (for the lock hole)
- ☐ Countersink bit (if using flat-head screws)
- ☐ Screwdriver/hex driver for set screws (rollers, push lock)

Note: the tools list above is inferred from the steps in this guide — confirm exact bit/driver sizes against your hardware kit before publishing.

Locking Slide Track Kit Contents



Figure 1 - Confirm that you've received all the contents for your Locking Slide Track kit order.

Optional Accessories Not Included in Locking Slide Track Kit



PHASE 1 — Measure the Opening

Measure the opening that you intend to close with bypass sliding doors. The overall width of the opening will be critical for cutting and installing the extruded aluminum tracks. The overall height & width of the opening will be critical for cutting and installing the door panels. For this guide, all dimensions are noted in inches. For retrofit projects, it is important to measure all 4 sides of the opening, in cases where the opening is not “plumb.”

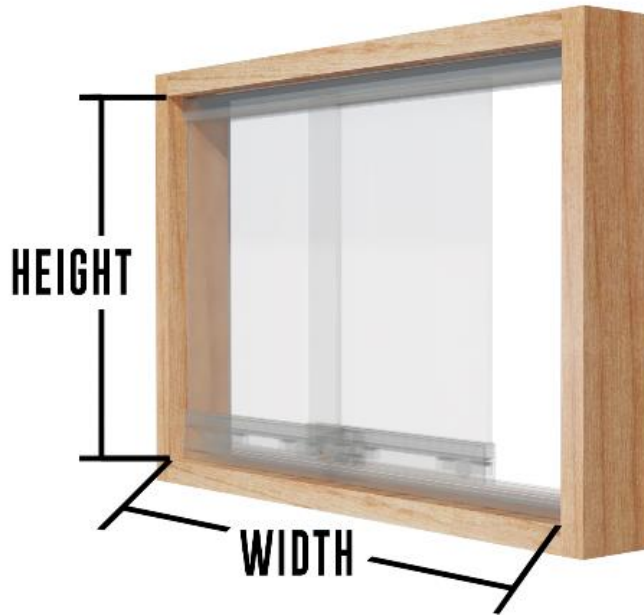


Figure 2 — Measuring the opening

PHASE 2 — Prepare the Track & Header Insert

Prepare the extruded aluminum tracks. Identify the top & bottom extruded aluminum tracks as well as the door “shoe” extrusion using the parts diagram below (Figure 1). Trim the top & bottom extruded aluminum tracks to the width dimension recorded in Phase 1. Trim the plastic Deep Header Insert at the same width as the top extruded aluminum track. The “Shoe” extrusion will be trimmed to length with the corresponding door panels in Phase 4. Cutting can be done with power tools (such as a circular chop saw) or hand tools (such as a hack saw).

PHASE 3 — Size & Cut the Door Panels

Prepare the sliding door panels and aluminum “Shoe” extrusion. Ensure the sheet or panel material is of compatible $\frac{1}{4}$ ” thickness. Using the dimensions recorded in Phase 1, plan the panel sizes. Sliding door panels should be cut to overlap when in the closed position, in order to secure the enclosed area. Use the following guidance to plan your door panels:

DOOR WIDTH

Use the formula $[(\text{OVERALL WIDTH} / 2) + (\text{OVERLAP} / 2)]$ to determine the door panel width. For the locking system to function correctly, a minimum overlap of 1” is recommended. A larger overlap can be customized to your preferences — see Figure 3. Note that if you plan on installing optional Jamb extrusions, you should deduct an additional $1/16$ ” from each Door Width.

DOOR HEIGHT

Use the formula $[\text{OVERALL HEIGHT} - 1-1/2"]$ to determine the door panel height. This deduction allows for the door panels to be dropped in once the track is installed — see Figure 3.

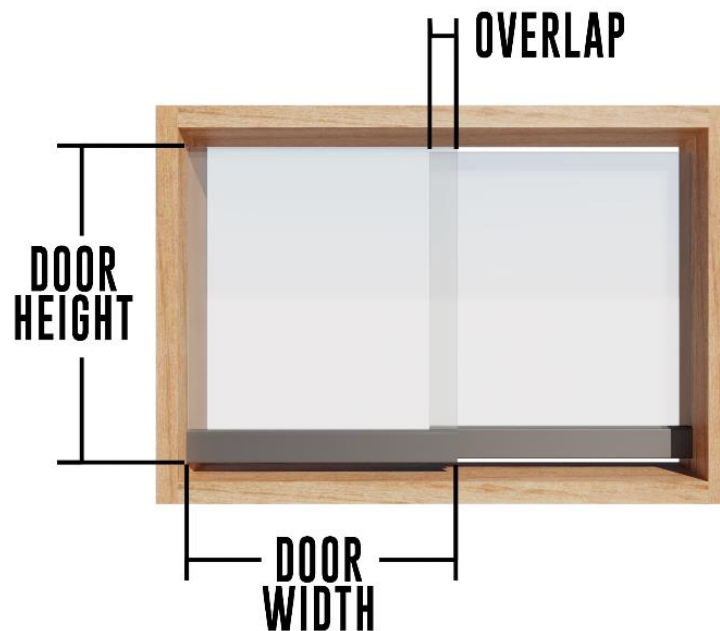


Figure 3 — Door Width, Door Height & Overlap reference diagram

Cut the sheet or panel material to the size determined above.

PHASE 4 — Prepare the Shoe Extrusion

Trim the “Shoe” extrusion & vinyl insert to the same width dimension as the door panels. One “shoe” extrusion must be drilled for the push lock mechanism to function.

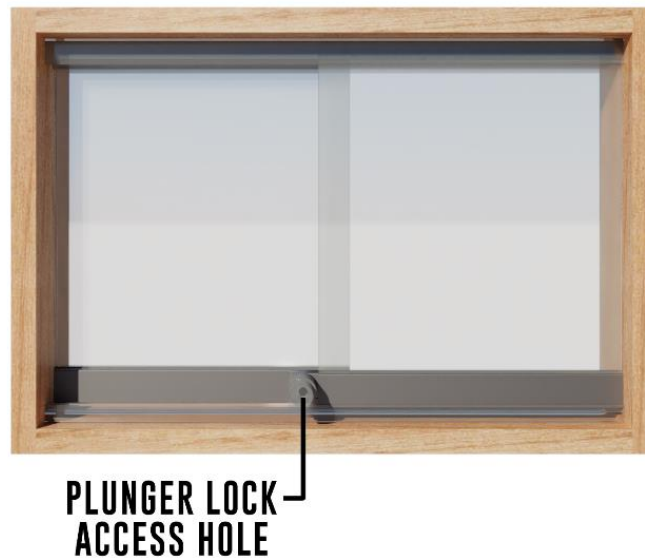


Figure 4 — Shoe extrusion & vinyl insert, with plunger lock access hole

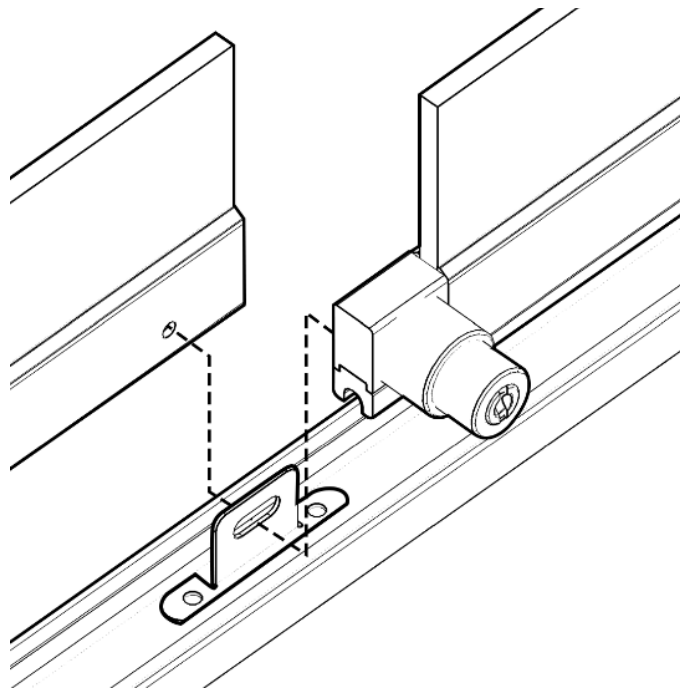


Figure 5 — How the push lock engages the security clip

Drill the Lock Hole

Plan the hole placement with the following guidance:

HOLE PLACEMENT

Use the formula $[\text{OVERLAP} + 7/16"]$ to determine the distance from the cut end of the shoe extrusion that the hole must be drilled. The hole should be centered $7/16"$ from the bottom edge of the "Shoe" extrusion — see Figure 6.

At the determined location, drill a $1/4"$ diameter hole through one wall ONLY of the shoe extrusion to allow the push lock to interface with the shoe extrusion.

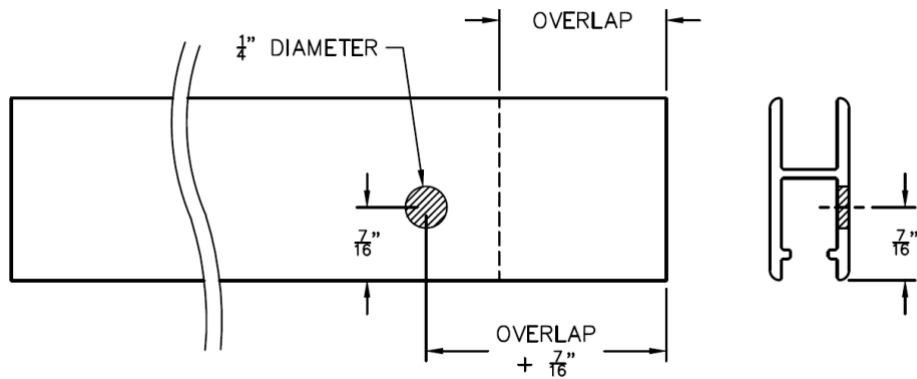


Figure 6 — Hole placement reference diagram



Figure 7 — Drilling the lock hole



Figure 8 — Drilling the lock hole (detail)

PHASE 5 — Prepare the Side Jambs (OPTIONAL)

Prepare optional side jamb profiles for installation. Using the overall Height dimension recorded in Phase 1, plan the required “jamb” length. Use the following guidance:

JAMB HEIGHT

Use the formula $[\text{OVERALL HEIGHT} - 1\text{-}3/8"]$ to determine the correct “jamb” extrusion cut length. This length will allow the jamb to fill the vertical space of your opening without interfering with the fit of the top and bottom sliding tracks.

PHASE 6 — Install the Tracks & Security Clip

Surface mount the extruded aluminum tracks at the top and bottom of the opening, along with the security clip. Determine the placement of the security clip before installing the bottom aluminum track — correct placement and installation of the security clip is critical for the locking function.

Mount the Tracks

Tracks can be mounted with a variety of fasteners (nails, screws, etc.) through the center of the track. It is recommended that flat head fasteners are flush with the track base to ensure proper clearance with the rolling doors; for flat head screws, this will require countersinking of the holes in the extrusion base. High-bond construction tapes and liquid adhesives may also be used to create a permanent bond. Ensure both tracks are aligned when mounting in order to properly guide the sliding doors.



Figure 10 — Mounting the upper and lower tracks

PRO TIP

Adhesive products have different use cases. Tape adhesives are ideal for smooth or non-porous surfaces. Liquid or silicone adhesives are ideal for rough or porous surfaces.

Position the Security Clip

When facing the opening head on, the locking mechanism will mount onto the door placed on the right side of the opening.

SECURITY CLIP LOCATION

Use the formula $[\text{OVERALL DOOR WIDTH} + 7/16"]$ to determine the distance from the rightmost side of the opening. This is the dimension you should center your installation of the security clip on — see Figure 9. Mark this location before installing the security base track.



Figure 9 — Security clip placement reference diagram

Install the Security Clip

The security clip should be installed between the two tracks on the security base profile. It is recommended that the clip be fastened with nails to avoid interference with the fasteners and the sliding doors. Small (#4) pan head fasteners will also allow the required clearance between the sliding doors.



Figure 11 — Installing the security clip

PHASE 7 — Install the Deep Header Inserts

Install the Deep Header inserts. These friction-fit in place and ensure the doors slide smoothly and quietly once installed.



Figure 12 — Installing the deep header inserts

PHASE 8 — Install the Side Jambs (OPTIONAL)

Surface-mount the extruded jamb parts along the vertical edges of the opening, aligning the channels in the jambs with the previously installed aluminum tracks. Jambs can be mounted with a variety of fasteners (nails, screws, etc.) through the base of the jamb.

PRO TIP

3/8" wide adhesive-backed foam tape can be installed in the base of the door jambs to soften the impact of sliding doors.

PHASE 9 — Assemble the Door Panels

Fit the Vinyl Insert

Fit the vinyl insert to the bottom edge of the door panel material. This can be temporarily fixed with masking or transparent tape or permanently fixed with a silicone adhesive.

Install the Rollers

Install the rollers into the bottom side of the extruded “shoe” parts. These rollers will slide into the lower track. Tighten the set screws to fix them in place. Install a minimum of 2 rollers per shoe (3–4 rollers per shoe may be required for larger doors to roll smoothly).

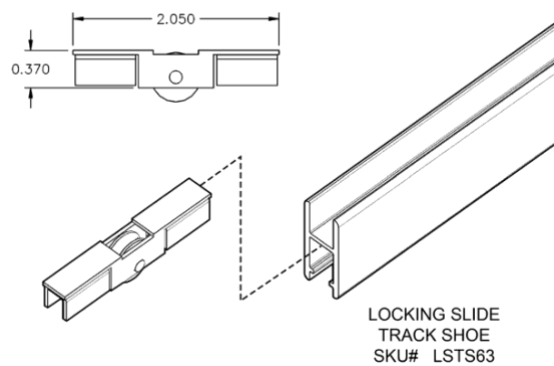


Figure 13 — Shoe & roller assembly dimensions



Figure 14 — Rollers seated in the shoe

Install the Push Lock

Install the push lock. This lock is installed on the un-drilled shoe extrusion. The push lock fits into the lower channel of the extruded shoe part and is fixed in place with a set screw when tightened.



Figure 15 — Installing the push lock

Insert the Door Panel into the Shoe

Insert the bottom edge of the door panel (fitted with the vinyl insert) into the top channel of the shoe extrusion. This can be friction fitted for removal at a later date or permanently fixed in place with a silicone adhesive.

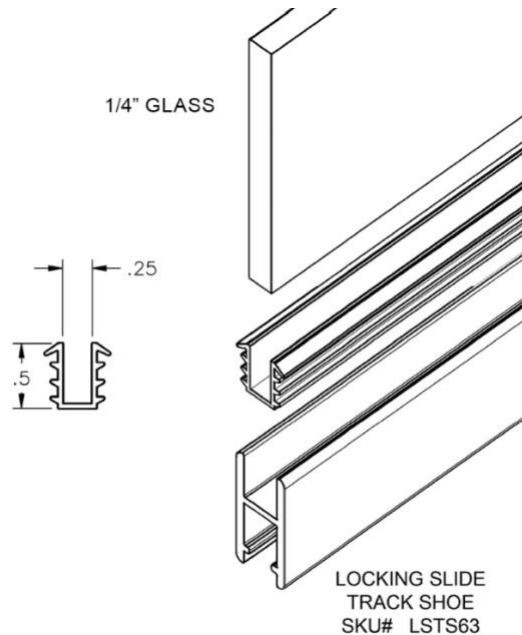


Figure 16 — Seating the door panel in the shoe extrusion

Optional: Install Additional Accessories

Install optional accessories such as end caps or finger pulls. These products are not included in the Locking Slide Track Kit and must be purchased separately. These products slide into the lower channel of the shoe extrusion and are fixed in place with set screws.

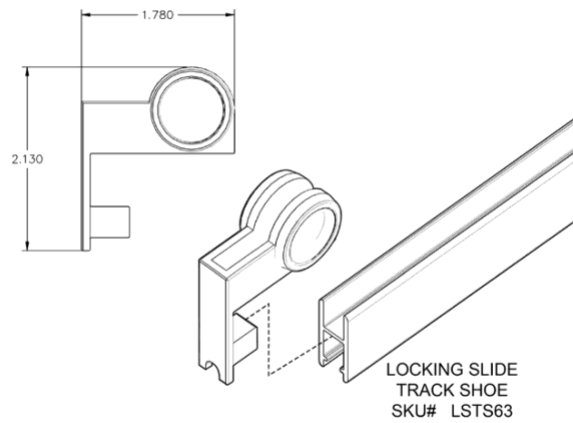


Figure 17 — Optional end caps / finger pulls

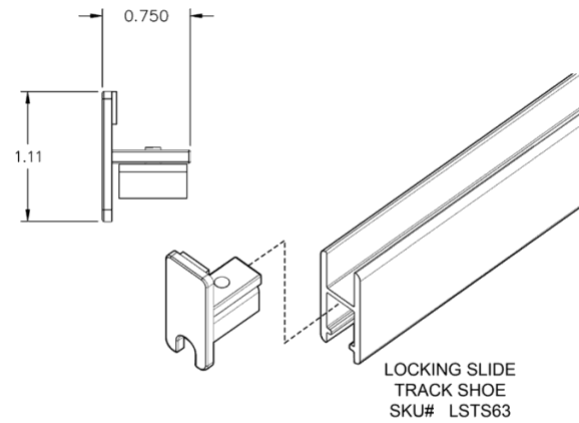
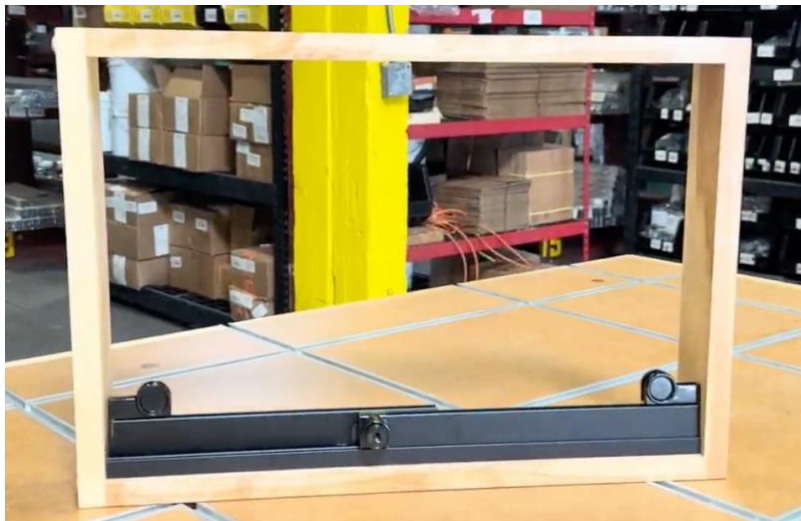


Figure 18 — Optional accessory dimensions

PHASE 10 — Lift & Drop-In the Door Panels

Install the door panels with a lift-and-drop method. Insert the door into the top extruded aluminum track first, then lift and swing the door panel into place over the bottom extruded aluminum track.



The finished installation

