The Slide 05 system from 3form is a clean, versatile sliding door system with excellent functionality that can have the weight borne on either the ceiling or the wall through the use of the wall-mount converter. The sleek frame profiles and matte silver-white finish make the hardware of this door a perfect complement to the aesthetic material it holds, making a beautiful, functional solution for your installation.

For more information, please visit 3-form.com or call 800.726.0126
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For Assembly Instructions Turn Directly to Page 16

Overview

A note on door selection and the presence of a bottom track:
Slide05 is aesthetically similar to Slide04, but Slide05 does not require a floor track like Slide04 and instead uses a bottom guide under the frame. However, this creates only one point of attachment at the floor instead of two points of attachment, which you get by having 2 rollers on a floor track. This causes Slide05 to be somewhat flexible at the unbound corner of the door. If an installation requires absolute stability then a floor track must be used with Slide04. If you cannot have a floor track then you should expect some flexibility at the bottom of any door system, regardless of the material used or the hardware manufacturer.

Ceiling or Wall Mounted Track

Since the top track (which bears the weight of the door) can be installed on the ceiling or the wall, there are a variety of possible applications. These include single sliding doors, biparting doors, bypassing doors (2 doors maximum, ceiling mounted track only), and Semi-Pocket Doors. Total single door weight should not exceed 130 lbs.

Framed Door Options and Details

The configuration of Slide 05 involves fully framing your choice of material with a nominal gauge of 1/4” or 3/8”. Some material gauges vary, especially glass, so please check with your sales representative to confirm compatibility. The thinner gauge capability of this door allows a more cost-effective panel to be specified without sacrificing panel rigidity or deflection resistance. Also, the minimalist, sleek aluminum frame complements the material without detracting from the overall appearance of the panel.

Additional Options and Accessories

With each door configuration, there are different options to choose from depending on the desired functionality and the aesthetic appearance of the panels. These include the wall mount converter, a mullion option, a bottom roller that can be anchored to the floor or the wall, end covers, bumpers, stops, and dust brushes. These will be detailed later in the document with specific conditions for when each is needed.
Overview

Parts Overview

Framed Door

Varia,
Duo,
Glass

Glazing Channel

T/hyphen.ucShaped Side Frame Pro/f.shortile

Rectangular Side Pro/f.shortile

Top and Bottom Frame Pro/f.shortile

Top Roller Track

Mullion

Stop

Bumper

Extra Strike Plate

Wall Mounted Floor Guide

Wall Mounted Door

Biparting Doors

Pocket Door Pull

Door Handle Kit

Latch Kit

Lock Kit

Flush Bolt Kit

Screw Cover

Dust Brush

Wall Mounted Floor Guide

Wall Mounted Adapted Kit

Wall Mount End Cover Left

Wall Mount End Cover Right

Wall Mount End Cover

Ceiling Mount End Cover

Valance

Floor Guide

Bottom Roller Track

T-Shaped Side Frame Profile

Shaped Side Frame Profile

Top Roller Assembly

Glazing Channel

3/8 in

1/4 in

For size dimensions and detail of parts go to:
http://www.3-form.com/hardware-catalog-Slide05.php

Bypassing Doors

Wall Mounted Floor Guide

Wall Mounted Adapted Kit

Wall Mount End Cover Left

Wall Mount End Cover Right

Wall Mount End Cover

Ceiling Mount End Cover

Valance

Floor Guide

Bottom Roller Track

T-Shaped Side Frame Profile

Shaped Side Frame Profile

Top Roller Assembly

Glazing Channel

3/8 in

1/4 in

For size dimensions and detail of parts go to:
http://www.3-form.com/hardware-catalog-Slide05.php

For more information, please visit 3-form.com or call 800.726.0126

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Solution 1
Wall Mounted Semi-Pocket Doors

Biparting doors (sometimes referred to as barn doors) are most commonly mounted with the weight born on the wall, as when the doors are open, they are situated in front of the wall. This particular biparting door configuration has the doors sliding into a semi-pocket door, so that when the doors are open the panels are still visible as an artistic addition to the space. When these doors are closed, they butt into one another and are flush. This can be accomplished by using a single top track, mounted to the wall using the wall mount converter. Bottom rollers are then placed at the outside edge of the door when it is closed. This way the bottom roller acts as a guide as well as a stop for the door. Since this is likely a wall mounted application, please consider wall mount end covers, end cover connectors, floor guides or wall mounted floor guides, and bumpers.
Solution 2
Ceiling Mounted Doors

With Slide 05 you can have 2 bypassing doors (no more than 2 are possible) in a ceiling mounted application. In order to achieve this installation, you simply place 2 top tracks next to one another on the ceiling. The details for this placement are outlined on page 7. Doors should be sized to accommodate an 80mm overlap when closed. Please be aware of the opening height and width and the panel and frame sizes and deductions when ordering. Bottom guides would then be placed at the appropriate locations in the bottom frame. When doing this, please take into consideration the desired travel of the doors, as the door will not travel past these floor guides on either side. If there is a high degree of variance in your floor, you can increase the height of the floor guide by using an additional ground plate under the guide.
Solution 3
Wall Mounted Single Door

A single sliding panel can be mounted either to the ceiling or to the wall. In this scenario the single panel door has been mounted to the wall through use of the wall mount profile. When using an installation such as this, please consider the overall travel of the door, as the track will need to span this entire length with some overlap against the wall. A single wall mounted floor guide has been placed in the center of the travel of the door, as the door will not travel past this guide on either side. Other finishing accessories have also been used in this installation, such as end covers and stops.

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Features

Ceiling Mounted Track

The ceiling mounted track permits an excellent sliding door installation when no floor track is desired. The smooth, self-centering rollers glide in the perfectly-sized track. The maximum recommended weight of each door is 130 lbs. You can have multiple doors on the same track, but each roller assembly should only bear 65 lbs. each, and it is not recommended that more than 2 roller assemblies are used per door, resulting in a maximum door weight of 130 lbs. Having no floor track will always allow a certain amount of flexibility in any door. For more information see page 1 of this document.

Top Guides

The top track may be fastened directly to an overhead substrate that is appropriate for the weight it will bear. The appropriate fasteners for the substrate should be provided by the installer, and can be drilled directly through the top of the track into the substrate. In general, it is recommended that screws be fastened through the track to the substrate at least every 2’, but it is up to the installer to choose the most appropriate number of screws depending on the condition. If the track is being mounted to the wall using the wall mount profile, screw the wall mount converter to the wall using appropriate fasteners (also provided by the installer). The installer should then attach the top track to the wall mount profile with an appropriate fastener, generally a simple hex nut and bolt spaced every 2’ apart.

Floor Guides

The floor guide is a set of rollers that can either be fastened directly to the floor or fastened to the wall. This roller stays flush inside the bottom frame profile, holding the door in place as well as acting as a stop for the door, as the side profiles of the door will not move beyond the bottom roller. There needs to be approximately 4mm of clearance between the bottom frame of the door and the floor when attaching the bottom roller directly to the floor, or 6mm of clearance when using the wall mounted floor guide. These bottom rollers also accommodate approximately 6mm of variance in the floor without coming out of the bottom profile. If the variance of the floor is greater than 6mm you can build up the height of the floor guides with additional ground plates, part 3-15-1112.

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Features

Bypassing Door Track Placement

When installing bypassing doors place 2 top tracks next to one another as shown below. You would also place 2 bottom guides next to one another inside the bottom frame on the floor at the distance shown below. You can have no more than 2 bypassing doors with this system. For more bypassing doors it is required to have a floor track to hold the doors in place. Please see the 3form Slide 04 system for more bypassing doors.

Ceiling Guide

Floor Guide
Features
Level Adjustment

The roller assembly attaches to the top profile of the frame. Once the door is installed, you can adjust the level of the door as shown below, using a standard wrench.

Valance

Once the door is properly adjusted, simply snap the valance directly onto the top track, whether it is ceiling mounted or wall mounted through use of the wall mounted adapter. If the track is mounted against a wall and will never be seen from the back side, no valance is needed on that side, but a valance should always be used on at least one side, and sometimes both if both sides are visible.
Features
Door Lock and Latch Options

The lock and latch options allow you to latch two bi-parting doors together or latch a door into a wall with or without a key. Below are the different lock and latch options for the door. Use the chart to specify the parts needed for a given application. Note that the end of the door must butt into a surface or another door for the latch or lock to work. If latching into the wall, use Wall Receiver Plate Kit 3-15-1693-K. If latching into a bi-parting door, use Door Receiver Plate Kit 3-15-0024-K.
Features

Typical Installations with Lock or Latch

Two Bypassing Doors
Use a flush bolt to fix the first door in place as you latch the second door to the wall. Slide 05 is limited to only 2 bypassing doors.

Biparting Doors
The door with the receiver plate needs a flush bolt to keep door in place when latching the doors together.

Pocket Door

Wall Mounted Single Door
The wall must be built out for the latch to hook into.
Overall Dimensions

Height

When ordering your door, please be aware of the following panel and frame deductions that need to be considered for your installation. All figures are in mm. For instance, your panel height must be 110mm less than the total opening height and 50mm less than the frame height. This accounts for the top track, the bracket and roller, and bottom guide.

Example:

\[
\begin{align*}
H &= 2200\text{mm} \\
Fh &= 2140\text{mm} \\
Ph &= 2090\text{mm}
\end{align*}
\]
Overall Dimensions

Width

When determining the width of your doors, please take into account the desired overlap of the door and the wall, or the 2 doors in a bypassing configuration. In a single door wall mounted opening, the frame width needs to be 60mm wider than the opening so that when the door is closed there will be no reveal between the door and the wall. Please pay careful attention to these deductions for all scenarios to determine proper door size. The roller placement and travel of the doors should also be considered. The doors will not travel beyond the roller, so if you have bypassing doors that you want to be flush when open then there will need to be more overlap in the doors, as shown below.

Frame
Frame Width = Fw
Panel Width = Pw = Fw – 26mm

For more information, please visit 3-form.com or call 800.726.0126
Overall Dimensions

Examples

A1 - Single Door: Full Opening (then Large Door)

Single Door Opening (WM) = SDO
Fw = SDO + 154mm
Pw = Fw – 26mm
SDO = 800mm
Fw = 800mm + 154mm = 954mm
Pw = 954mm – 26mm = 928mm

A2 - Single Door: Small Door (then Small Door)

Single Door Opening (WM) = SDO
Fw = SDO + 60mm
Pw = Fw – 26mm
SDO = 800mm
Fw = 800mm + 60mm = 860mm
Pw = 860mm – 26mm = 834mm

B1 - Two Biparting Doors: Full Opening (then Large Doors)

Two Biparting Door Opening (WM) = BDO
Fw = BDO/2 + 77mm
Pw = Fw – 26mm
BDO = 1600mm
Fw = 1600mm/2 + 77mm = 877mm
Pw = 877mm – 26mm = 851mm

B2 - Two Biparting Doors: Small Doors (then Small Doors)

Two Biparting Door Opening (WM) = BDO
Fw = BDO/2 + 30mm
Pw = Fw – 26mm
BDO = 1600mm
Fw = 1600mm/2 + 30mm = 830mm
Pw = 830mm – 26mm = 804mm

C1 - Two Bypassing Doors: Full Opening (then Large Doors)

Two Bypassing Door Opening (WM) = BDO
Fw = BDO/2 + 39mm
Pw = Fw – 26mm
BDO = 1600mm
Fw = 1600mm/2 + 39mm = 839mm
Pw = 839mm – 26mm = 813mm

C2 - Two Bypassing Doors: Small Doors (then Small Doors)

Two Bypassing Door Opening (WM) = BDO
Fw = BDO/2 + 15mm
Pw = Fw – 26mm
BDO = 1600mm
Fw = 1600mm/2 + 15mm = 815mm
Pw = 815mm – 26mm = 789mm
Overall Dimensions

Mullions

Mullions are a good solution in an application where more than 1 panel type is desired, or where the door is larger than the available panel size, so more panels can be used. Mullions can only be used horizontally. Mullions must be cut to length on site. Also, the holes in the side frame used to attach the mullion must be drilled on site; Please see page 10 of this document for drill hole sizes. Up to 3 mullions can be used in each door. Please use the below illustration for the panel deductions to accommodate the mullion.

Remove 7mm to both panels on each side of a mullion.
Installation

Door Parts

- Top Roller Track
- Top and Bottom Frame Extrusion
- T-Shaped Side Frame Profile (available in standard or custom sizes, including assembly components)
- Rectangular Side Profile (available in standard or custom sizes, including assembly components)
- Mullion (available in 400mm standard length increments)
- Wall Mount Profile
- Valance
- End Cover (Wall Mount Left and Right)
- End Cover (Ceiling Mount)
- Floor Guide
- Wall Mounted Floor Guide
- Ground Plate
- Stop
- Bumper
- Screw Cover
- Dust Brush
- Top Roller Assembly
- Flush Bolt Kit
- Lock
- Latch
- Handle
- Pocket Door Pull

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1. Install the glazing channel or gasket. Cut glazing channel or gasket (the rubber extrusion that holds the panel) to length in all frame profiles. When cutting the gasket to length for the vertical side frames, ensure that the gasket does not cover the pre-drilled holes.

In the top and bottom horizontal frame profiles the gasket does not need to be exactly the same length as the frame profile, but should be no less than 2" shorter than the frame on each side.
Installation Part 1
Assembly

2 Insert the gaskets into the appropriate frame profiles. Each frame profile should have a gasket inserted to attach to the material.

3a Push the profiles onto the material by pressing the rubber gasket (which should be inside the profile) onto the panel material.

3b When putting the vertical side frames onto the panel, ensure that the panel does not overlap the holes that are drilled in the frame.

3c Slide the Top Frame attachment piece (without the top roller attached), as shown below, onto the top frame profile prior to putting the top profile onto the panel. Place these an even distance from each edge. Then tighten this attachment piece in place using the provided set screw.

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Installation Part 1

Assembly

4a Attach the Top Roller Fixation (the bent piece of flat steel that holds the roller in place) to the Top Frame Attachment piece with the screws provided.

4b Once all of the frame profiles are attached to the panel with the gaskets, fasten the frame together with Frame Screws in all 4 corners. Holes for these screws will come pre-drilled. The frame screw should go through the vertical side frame profiles and into the small, partially open slots in the top and bottom horizontal frames. The screw slots in the top and bottom frame profiles are not pretapped, and get tapped by use of the Frame screw. The entire head of the frame screw should be concealed in the outside part of the side frame profile, so be sure to tighten the screw entirely.

4b After the door is fastened together cover the screws using either the self-adhesive plastic screw covers or the self-adhesive dust brush which also acts as a dampener when the side of the door meets another door or a wall.
Installation Part 2

Install

1a Install all hardware inside the top track that needs to be inside the track once it is attached to the top surface. This includes bumpers or stops, as well as the top rollers. Both rollers should be next to one another in the track, with the bumpers or stops on the outside.

1b Once the door is completely in place, tighten down the Stop or Bumper using the set screws.

2a Attach the top track to the top surface. The top track may be fastened directly to an overhead substrate that is appropriate for the weight it will bear, which should be no more than 130 lbs. per door. The appropriate fasteners should be provided by the installer and should be drilled and countersunk directly through the top of the track into the substrate. In general, it is recommended that screws be fastened through the track at least every 2', but this should be determined by the installer based on the condition.

2b If the track is being mounted to the wall using the wall mount converter kit (3-15-0200-K), Drill and screw the wall mount converter to the wall using appropriate fasteners (also provided by the installer) to studs and reinforcement. Mount Wall Adapter to wall prior to attaching top track. Mount the pre-drilled and countersunk top track with provided fasteners (M4C.7, 3-15-0865) to the wall adapter.
Fasten the bottom guides to the appropriate spot on the floor. Be sure that the center of the guide is directly centered below the top track. When determining positioning of the guides on the floor, also consider the overall travel of the door. The bottom guide will always stay inside the bottom frame of the panel, so travel is restricted to the width of the door. Additional anchoring, such as concrete anchors, must be selected by the installer. You can also have the wall mounted floor guide if the condition is appropriate. If this is the case, anchor the guide to the wall instead of the floor in the appropriate location using appropriate anchors.

3 Install the assembled panel door to the top track by placing the bottom of the door over the bottom guide first, then sliding the bolt in the Top Roller assembly into the opening in the top roller bracket.
Level the door by adjusting the top roller hanging bolt with a wrench. When adjusting for level, consider the plumb of the wall that the door will butt into as well to ensure that when the door is closed, it will be flush with the wall. Once you have achieved your desired level, tighten the top bolt down onto the bracket to secure the door in place.

Snap the valance securely onto the top track where it is exposed, as shown here. If the top track is exposed on both sides of the door, you should have two valances, one for each side.

If a side of your top track is exposed, install the end caps by inserting the connecting bracket of the end cap into the uppermost slot in the top track, then tightening the set screw to hold it in place.
The Flush Bolt option allows you to secure the door to a strike plate in the floor. This option can only be used with the Rectangular Profile and the fabrication for the Flush Bolt should be done by 3form prior to shipping the door. Please follow the instructions below to install the flush bolt.

1. Insert flush bolt in the profile.
2. Screw flush bolt in place.
3. Install the door.
4. Use the installed door to find and mark the desired location for the Strike Plate. Then drill a hole in the floor using a 5/16" bit for the main hole. Appropriate screws for the substrate (#10 screws recommended) must be selected by the installer.
Installation Part 3
Lock, Latch and Handle

Follow the below instructions to install the lock and/or latch assemblies and the door handles. This installation is usually done at the factory before shipment; Refer to page 24 for an extrusion fabrication diagram.

1. Insert the lock into the cutout in the profile.
2. Place the washer onto the lock and screw on the large nut tightly.
3. Fold the washer's fingers onto the nut to lock it in place.
4. Place the square cam with pin onto the lock in the orientation shown. The pin should be towards the panel and top side of the door.
5. Screw the small nut onto the lock and tighten with pliers.
6. Slide the latch into the profile.
7. Screw the latch in place using the 2 M3 screws provided.
8. Secure handles onto the profile using the #6 sheet metal screws.

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Installation Part 3
Lock/Latch Rectangular Extrusion Unrolled Diagram

The unrolled diagram below shows how each lock / latch accessory will be machined into the extrusion by 3form. This is for clarification only and specification only and is not intended as a fabrication drawing.

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Installation Part 3
Wall Receiver Plate

Follow instructions below for doors latching into the wall.

1. The door edge should be flush against wall when closed. Make sure there is no gap > 1/16” between the wall and door where the hook is located.

2. Slide door against wall with hook out. Measure distance from floor or track to horizontal line of hook.

3. Locate bottom of receiver plate slot 0.1” below the horizontal line of the hook. Center plate with floor track or center of door.

4. Mark the location of screw holes on wall and outline shape of the plate.

5. Drill the holes to 1/8”.
Installation Part 3
Wall Receiver Plate

6 Mill the outlined shape no more than .07” deep. Do not exceed this depth, otherwise the hook cannot reach pass the plate.

7 Place the receiver plate on the milled surface and mark the slot location on the wall.

8 Mill out the slot in the wall slightly larger than the slot in the plate on all sides, with the bottom edge extending at least 0.4” pass the plate slot.

9 Mill the slot at least 0.3” deep.

10 Install the plate and the screws.

11 Put the bumpers on the door frame: Put 2 next to the top and bottom screw covers and 2 closer to the latch. Make sure the bumpers are centered and fully in the indented feature of the extrusion.

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Installation Part 3
Door Receiver Plate

Follow instructions below for biparting doors latching together if not already installed at the factory. After doors are placed into tracks, level wheels on both doors so that the doors are at the same height.

1. Screw the plate onto the door frame using #6 sheet metal screws provided.

2. Place dust brush along the door frame, above and below the plate. Do not put dust brush on other door.

Pocket Door Pull

Install pull before door is assembled. Make sure pull orientation is correct before assembling doors.

1

2. Insert handle into the profile cutout.

3. Attach screws from the other side of the profile.

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ADA Compliance

Per the Department of Justice ADA Regulations, the following guidelines should be considered in the design of your custom Slide solution when used to treat doorway openings:

4.5.2 Changes in Level
Changes in level up to 1/4" (6 mm) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between 1/4" and 1/2" (6 mm and 13 mm) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Changes in level greater than 1/2" (13 mm) shall be accomplished by means of a ramp that complies with 4.7 or 4.8

4.13.5 Clear Width
Doorways shall have a minimum clear opening of 32" (815 mm) with the door open 90˚, measured between the face of the door and the opposite stop.

4.13.8 Thresholds at Doorways
Thresholds at doorways shall not exceed 3/4 in (19 mm) in height for exterior sliding doors or 1/2" (13 mm) for other types of doors. Raised thresholds and floor level changes at accessible doorways shall be beveled with a slope no greater than 1:2 (see 4.5.2).

4.13.9 Door Hardware
Handles, pulls, latches, locks, and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate.

*Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable designs. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for accessible door passage shall be mounted no higher than 48" (1220 mm) above finished floor.

Please refer to the following website for more information and diagrams:
http://www.usdoj.gov/crt/ada/reg3a.html#Anchor-Appendix-52467