

Stainless Steel (SST) FASTrack Basic Assembly Guide



Stainless Steel & brass Parts needed:

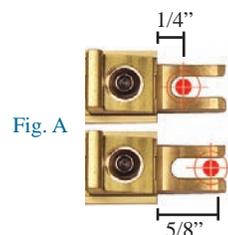
- (see page 4 for illustrations)
- track blades
 - track bridges
 - bridge clips
 - track clips
 - nut plate connectors
 - cap screws
 - flange nuts
 - hex bolts

Tools needed:

- allen (hex) wrench 5/32" and open end wrench 7/16"
- saw to cut the tracks and bridges into lengths needed
- gauge for spacing between the tracks (comb gauge or other type)
- drill, concrete epoxy, level (optional)
- vice grips, channel lock or C-clamp (optional)

Plan your assembly:

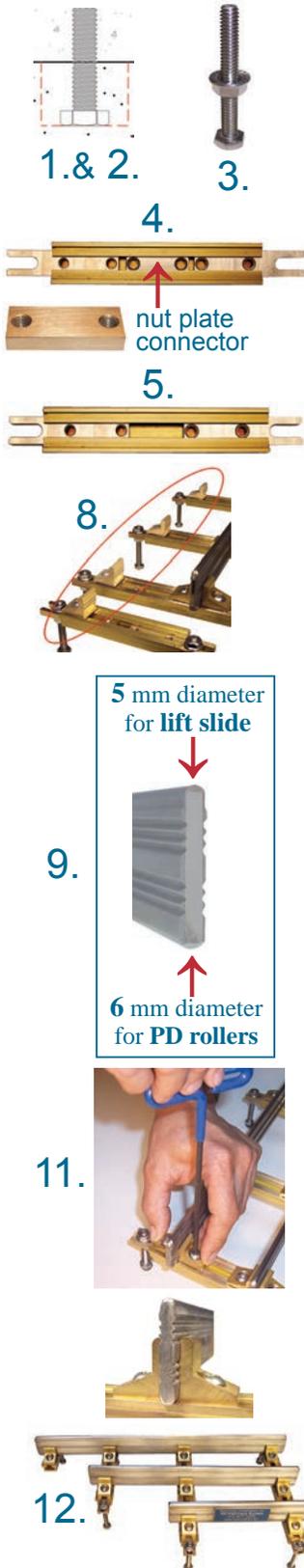
- Track blades have 2 reversible edges: 5 mm diameter for lift slide and 6 mm diameter for PD rollers.
- It is recommended that the **track blades** protrude 3/16" out of the finished floor. Lift slide track height needed is 3/16".
- FASTrack is compatible with any door manufacturer panels up to their stated weight capacity.
- Spacing between **tracks** will be panel width plus panel gap.
- Recommended space between **track bridges** is between 12" to 24", for effective height adjustment; conservatively 12" for maximum adjustability & stability until floor is laid, and up to 24" for simpler installation.
- Finished floor minimum depth is 1-7/8" (see page 4). FFI doesn't advise on floor/subfloor specs.
- FASTrack can either be assembled in the floor at the jobsite or pre-assembled elsewhere (with care taken to secure system during transport). **Track bolts** can be anchored in sub-floor holes before attaching FASTrack assembly on top, or, bolted to FASTrack structure first and then lowered into floor holes. Plan for drilled holes to be centered approx. 1/4" to 5/8" wider on each side than the bridge piece width (see Fig. A).
- FASTrack can be assembled to slope up to 2 degrees for **surface drainage**; it is not designed for sub-floor drainage.
- Low bottom track such as FASTrack is not recommended for doors directly exposed to weather; high bottom track offers more weather protection (see FFI catalog p. C-8).
- **Curved door/curved tracks:** If you have curved doors, you may be able to use FASTrack. Curve radius must be decided by door manufacturer; FFI does not advise on minimum/maximum curve radius. If using FASTrack with curved doors, assemble bridges at chosen radius, and bend track by hand to insert. Track must meet bridges at 90 degree angle. Do not bend carriages.
- FFI recommends using one continuous piece of track for each door cut to length, with no seams. If you do join 2 track pieces, use a FASTrack bridge and clips on both sides of the joint. Also place seam where wheels won't roll over the joint, for example, in the center for meeting panel layouts or in the pocket or behind a fixed panel for other layouts.
- To help plan your assembly, please read "Basic Assembly Steps" on the following page.
- **Stainless steel/brass vs. aluminum FASTrack are separate systems requiring different parts and installation methods—before starting, check that installers are using the correct parts and installation instructions for the system type being installed.**



Curved track installation
by Sliding Specialties
www.slidingspecialties.com

Basic assembly steps stainless steel & brass system

Note: this basic guide contains steps that are strongly recommended for all installations, as well as some optional suggestions.



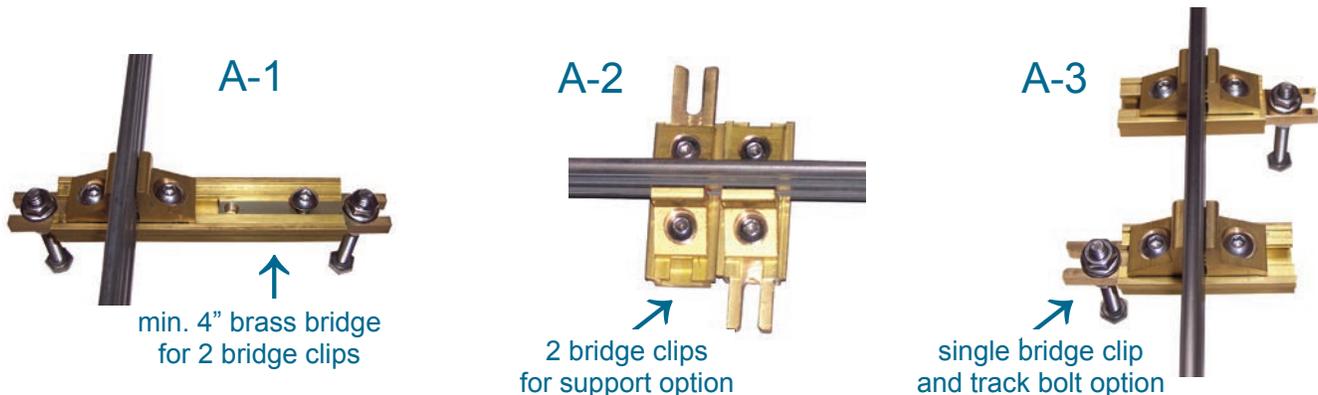
1. Plan placement/spacing of **track bridges** on sub-floor; mark where to place track bolts, head-down.
2. If using **2" track bolts** (available from FFI; optionally, source bolts elsewhere), drill holes in sub-floor, approx. 3/4" deep and diameter larger than 7/16" track bolt heads. If placing bolts in floor before attaching to track system, insert **track bolts**. Use epoxy to secure bolt heads; ensure bolts are straight up. (Optional method: use anchor bolts and no epoxy.)
3. Screw a **flange nut**, flange side up, onto each track bolt.
4. Take 2 **bridge clips** and slide them into each end of a **track bridge** channel, square end first. For **track bridges** with 3 or more tracks, a **nut plate connector** is needed for each intermediate panel track. Slide any **nut plate connectors** into the **track bridge** between the 2 **bridge clips**. You may notice that bridge clips slide more easily in the bridge than nut plates, this is by design.
5. For **track bridges** with only 1 track, there are optional methods to hold the single track. The basic option is to use 2 **bridge clips** (on a **track bridge** minimum length 4 inches), see picture 5; note the single track will not be centered in the **track bridge**. See *Appendix A* for more single track options.
6. Lay **track bridges** in place, with toes of **bridge clips** resting on flange nuts & track bolts.
7. Check and level tops of track bridges. Then place a **flange nut**, flange side down, on the tops of the bolts and spin down until firmly secure.
8. Place a **track clip** on a **bridge clip** over the outside hole, add a **cap screw** to secure it, tightening only slightly with an allen wrench. Repeat the process for other bridges supporting the same side of the track. This forms a wall to place the track against, making assembly simpler.
9. Determine which track sides to use: for lift slide (or LAR2500014 screen roller), place track with 5 mm diameter side up. For standard patio door or screen roller, place track with 6 mm diameter side up.
10. To insert track: set and hold a **track blade** in place against the **track clips** on one side. Slide the track to approximate lengthwise position, which can be adjusted later if needed. Clamps may be used to hold the track in place at this stage.
11. To tighten assembly: on a bridge, place a **track clip** on the other side of the track. Loosen the first track clip's cap screw, but keep screwed in. Hold both track clips together around the track for a tight fit. Now tighten the cap screw of the new clip completely. Then tighten the cap screw of the 1st clip completely. Repeat this process for all track blades.
12. Adjust and level blade heights so **track blades** will protrude the recommended 3/16" above finished floor. Adjust width between tracks by moving **track clips** along **bridge**. Ensure tracks are clipped in place, leveled and checked.
13. Flooring can be finished as planned, with concrete, tile, wood, or other flooring.
14. Install doors over finished floor.

Appendix A : Options for Track Bridges with only One Track (stainless steel/brass system only)

For brass track bridges that will hold only one stainless steel track, it is recommended to use a track bridge piece with a minimum length of 4 inches, so that 2 bridge clips will fit properly as shown in picture A-1. This way the track bridge can be supported on two sides, mounted on two track bolts for more stability. Only one bridge clip will hold the track, with the other simply adding support. The track will not be centered in the track bridge, so keep this in mind when planning the assembly. Also with the 2 bridge clip method, the bridge clip that is not holding a track or track clips can be secured by simply tightening cap screws down into the bridge.

If assembling track system at the shop and transporting, there may be some concern that the system could twist while being moved, if so you can choose to add a second bridge on the 'one track' areas (see picture A-2). Also, a backing board may be used to secure the track system if assembling elsewhere and then moving it to the installation area. Nonetheless when properly assembled, the system clips should remain secure. (Note that the ability of the system to twist and bend is a deliberate benefit, for use in radius jobs.)

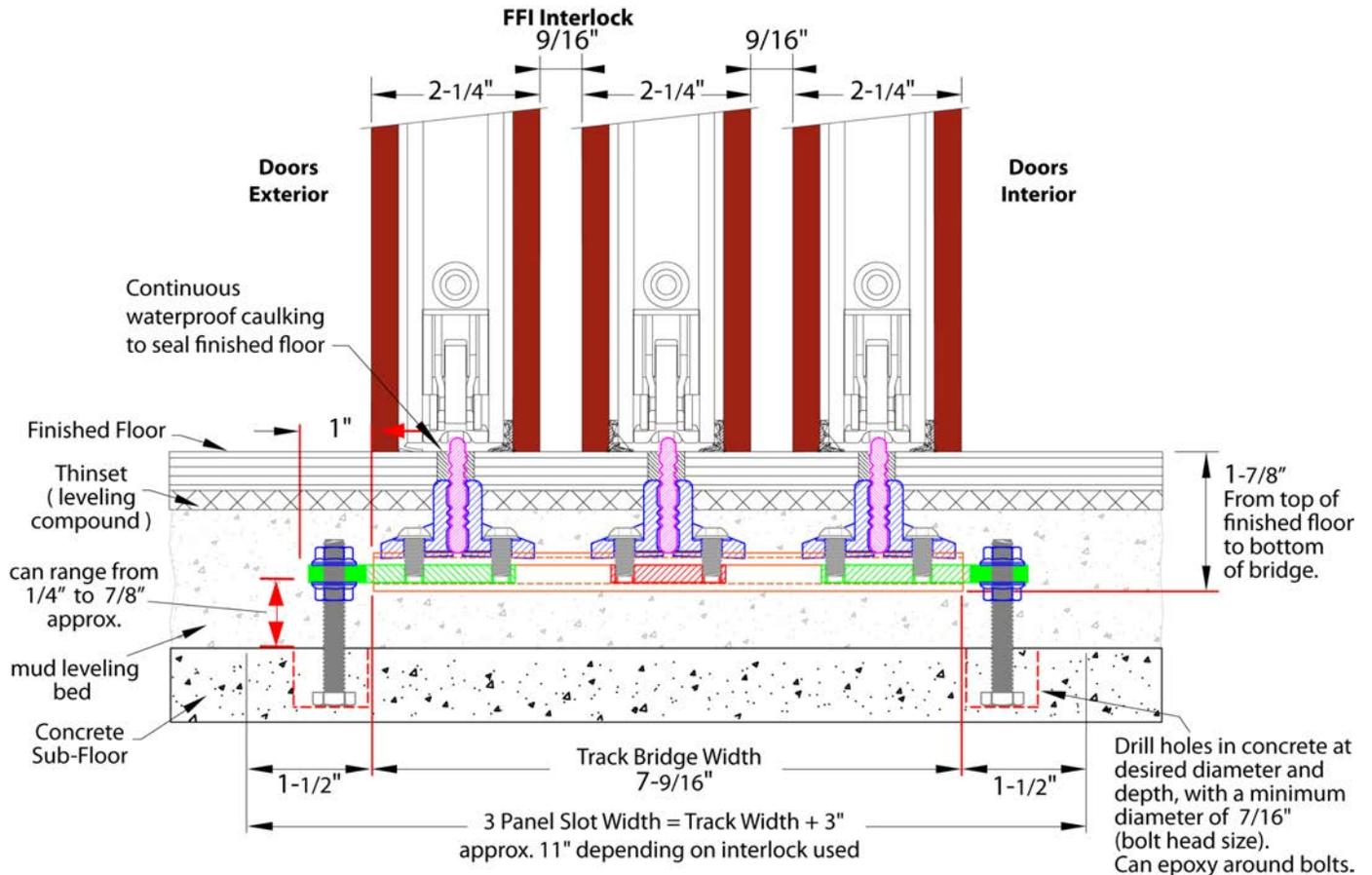
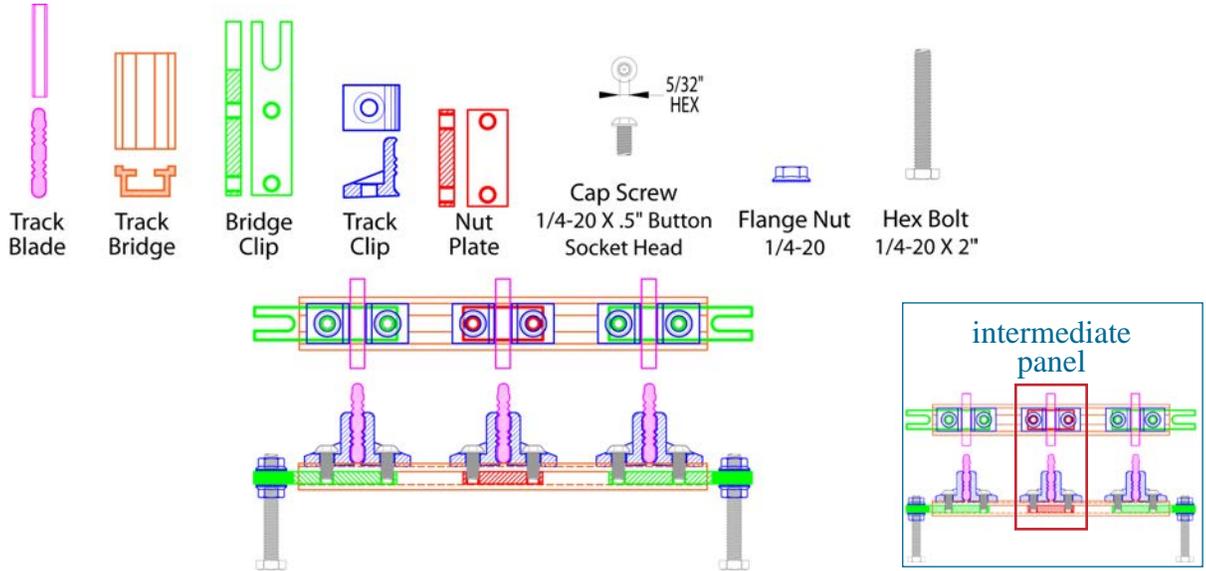
Alternatively, track bridges holding only one track can be secured with a single bridge clip. If using this method, only one side of the track bridge will be supported, since there is only a single bridge clip and a single track bolt. It will be necessary to alternate down the track the side on which the track bridges are supported, for example left side, then right side, then left side, etc (see picture A-3). This way the track will stand straight over distances and be less likely to lean to one side under heavy weight.



FFI Warranty for FASTrack: FASTrack components are warranted for one (1) year from date of original purchase against defects in materials and manufacturing, under normal installation and use. Stainless Steel and Brass parts are warranted for 15 years against corrosion-related functional failure. Aluminum is warranted for 1 year against corrosion-related functional failure. Surface rust discoloration is normal and won't affect product function. Warranty doesn't cover corrosion from direct exposure to harsh chemicals such as chlorine or chlorides, nor improper settling of floor. Any return or claim must be made according to FFI Terms and Conditions, see FFI catalog section A. **Maintenance:** Maintain sliding doors and tracks monthly; use water & mild soap to clean away debris and dirt; use a mildly abrasive pad such as Scotch-Brite to clean any surface discoloration or rust. **Material Recommendations:** Stainless steel is recommended for applications in concrete, coastal, pool areas, and other environments with corrosion risk. Aluminum is at risk for corrosion when embedded in concrete that contains chlorides. Use all SST/brass or aluminum system; do not mix parts (aluminum clips won't fit SST track). **Wheel compatibility:** Any track material is compatible with nylon wheels on FFI SST lift slide carriages. If using patio door rollers with steel or stainless steel wheels, aluminum track is not recommended; use stainless steel track.

Stainless Steel FASTrack Example Installation

Below is one example of how assembly might take place. FASTrack is a very flexible, adjustable system, adaptable to many different panel widths, and many different floor & subfloor materials and dimensions.



Above is one example scenario. FFI doesn't advise on materials, dimensions, or specifications of floor or subfloor.