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Questions? Suggestions? Ideas? We thrive on your feedback!
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⚠ DANGER

Danger indicates a hazardous situation that, if not avoided, will result in death or serious injury.

⚠ WARNING

Warning indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION

Caution indicates a hazardous situation that, if not avoided, may result in minor or moderate injury or property damage.

★ PRO TIP

Notice indicates important or helpful information and/or user tips.

ESSENTIAL SAFETY WARNINGS

This product is intended only for use with compatible track saw guide rail systems. Users must adhere to all safety and operating instructions provided by the manufacturer of the associated track saw and guide rail, in addition to those contained within this TSO Products StaySquare™ Guide Rail System guide.

Before use, verify that both positioners are securely fastened to your worktop or extrusion, that the guide rail is fully seated and both Levers are locked, and that the workpiece is securely affixed to a stable surface.

ESSENTIAL SAFETY WARNINGS (CON'T)

The StaySquare Guide Rail System works best on worktops approximately 28–30 in. (710–760 mm) deep, such as the Festool® MFT/3, used with a guide rail of approximately 42.5 in. (1,080 mm). StaySquare can be used on deeper worktops with longer guide rails, but the user must properly calibrate the positive stop strength (see below).

Positive stop strength is user-adjustable and must be set to suit the guide rail you are using — see *"Adjustments" on Page 16*. Before relying on the system, test each rest position with your own guide rail installed. A guide rail that is not held securely in a raised position can descend unexpectedly.

Failure to follow these instructions may result in tool damage, inaccurate cuts, serious injury, or death. TSO Products assumes no liability for damage or injury resulting from improper use, installation, or modification of this product.

⚠ WARNING — PINCH HAZARD

The Hinge snaps into its 75° and 95° positions with force. Fingers caught between the hinge plates can be pinched hard enough to cause injury. Keep hands clear of the hinge plates whenever the guide rail is pivoting, and take particular care when handling a Positioner off the worktop.

⚠ CAUTION

This guide provides installation and setup instructions only for the TSO Products StaySquare Guide Rail System. It does not provide instruction on the proper or safe operation of power tools, including track saws or other cutting equipment.

Users are responsible for understanding and following all safety, setup, and operational instructions provided by the manufacturer of any tools they use in conjunction with this system. Failure to do so may result in equipment damage, serious injury, or death.

TSO Products and the authors of this guide assume no responsibility or liability for injuries or damages resulting from improper use of power tools, misuse of this system, or failure to observe appropriate safety protocols.

Woodworking involves inherent risks. Always wear appropriate Personal Protective Equipment (PPE) and follow established safe work practices.

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■ What's Included in the Box

Part	Qty.	Note
	1	Fully assembled with base.
	1	Fully assembled with base.
	1	Fully assembled with torpedo nut and screw.
	2	Fully assembled, with torpedo nut and screw.
	2	Needed only when mounting to an extrusion bench other than the MFT/3.
	4	For use with Extra Torpedo Nuts, if needed (see above).
	4	For use with Extra Torpedo Nuts, if needed (see above).
	6	Needed only when mounting to a wooden bench apron.
	1	For installation.

■ Tools Needed for Installation

□ Included with Product

- Stubby 3 mm Hex Key

□ Not Included But Required

- 5 mm Hex Key

□ Might Be Required, Depending on Installation

- 2.5 mm Hex Key
- 3/32" and 7/64" Drill Bits
- PH2 Screwdriver
- Torx T20 Screwdriver
- Pencil

□ Recommended Additional Tools

- Precision Triangle or Square

■ Compatibility

Before installation, verify StaySquare™ is compatible with both your table and guide rail by reviewing the following two sections.

□ Compatible Tables & Extrusions

StaySquare can be mounted one of two ways. On a table with aluminum extrusion rails, or on the wooden apron of a shop-built table.

Table or Profile	Mounting	Notes
Festool® MFT/3	Extrusion	Replaces the factory guide rail supports. Mounts in the existing T-slot on the front and back rails.
Festool MFT 1080	Extrusion	Same as MFT/3.
Dash-Board® PWS	Extrusion	Mounts in the outside T-slot of the front and back profiles.
TrackTubes™	Extrusion	Mounts in the outside T-slot of the front and back tubes.
3090 Profile (30 × 90 mm)	Extrusion	Mounts in the outside T-slots of the profile. Orient the profile so the long face is vertical, putting two T-slots on the outside face.
4080-Lite Profile (40 × 80 mm)	Extrusion	Same as 3090 Profile.
Shop-Built Tables	Screws	Any vertical face at least 3.5" (89 mm) tall and 4.0" (102 mm) wide on both the front and the back aprons of the table. Wood screws are included; other substrates may require different fasteners not included.

□ Compatible Guide Rails

StaySquare has been tested to be compatible with guide rails from the following brands:

Compatible Guide Rail Brands

Festool®	Makita®	Milwaukee®
Triton®	Evolution®	WEN®
Powertec®	Eastvolt®	Kreg®†

† StaySquare is compatible with Kreg guide rails, but it has not been tested on the Adaptive Cutting Station table.

□ Guide Rail Length Considerations

Before completing installation of StaySquare on any table, including the MFT/3, it is critical to test that the positive stops at 75° and 95° hold your guide rail securely. The strength of StaySquare's positive stops should be adjusted to your specific guide rail. Do not assume the system has been properly configured to your guide rail from the factory. See ["Adjustments" on Page 16](#) for detailed steps.

⚠ CAUTION

Before using StaySquare on any worktop, including an MFT/3, test the positive stops with your own guide rail installed. Raise the guide rail to the 75° position and then to 95°, and confirm it locks securely at each one and does not descend on its own. Adjust the positive stop strength as needed before you rely on it (see ["Adjustments" on Page 16](#)). **A guide rail that is not held securely in a raised position can fall without warning.**

□ Mounting to Shop-Built Tables

To mount StaySquare to a table you built, you need:

- A vertical mounting face at least 3.5" (89 mm) tall and 4.0" (102 mm) wide on both the front and the back of the table.
- A substrate that will hold a fastener. Wood screws are included, ideal for solid wood, plywood, and MDF. For other materials, you will need to supply fasteners appropriate to that material.
- A PH2 screwdriver for the included wood screws, or the correct driver for the fasteners you supply.



Mounting height sets your maximum guide rail clearance. On the MFT/3, StaySquare enables the guide rail to raise up

to 4" (102 mm) above the worktop. On a shop-built table, clearance depends on where you mount the Positioners vertically relative to the top of the work surface.

■ Before You Install: Pre-Square Your Worktop

If you are mounting StaySquare to an MFT/3 or another extrusion bench with a 20 mm hole pattern, it is best practice to first make sure the hole pattern in your top is square to the back extrusion. (In this section, we assume you intend to mount the Hinged Positioner on your table's back extrusion. If, instead, you plan to mount to another extrusion such as the left or right, simply substitute that for any future references of the back extrusion).

We call this "pre-squaring your worktop," to distinguish it from checking for squareness, a procedure best done at the end of the StaySquare installation process.

This table squaring procedure matters most if you use a back fence that mounts into dog holes, or your dog hole pattern for squaring your workpiece when cutting.

□ Why "Pre-Square" Your Worktop?

The StaySquare Hinged Positioner carries a chamfered alignment rib that your guide rail rests on. As you tighten the guide rail to the hinge, this rib pulls the rail into alignment and holds it there.

That is what makes the system repeatable and drops the guide rail in the same spot every time. This also means the guide rail is now square to your back extrusion by design. There is no slop allowing you to coax it left or right once it is down on your worktop.



Close any gap visible between the extrusion and table top.

Since StaySquare keeps the guide rail square to the extrusion, the question becomes whether the things you register your work against are square to the extrusion, too.

This section is best practice for everyone, but it is strongly advised for those planning to use a fence that mounts into the 20 mm dog hole pattern. You can skip it if you work solely from the MFT/3 factory back fence, make your squareness micro-adjustments there, and do not mind the hole pattern being slightly out of square with respect to the guide rail.

□ Festool MFT/3 and Other Extrusion Tables

The goal is to square your worktop and hole pattern to your extrusion, and therefore to your guide rail. In practice, this means closing any gap between the edge of your worktop and the extrusion skirt, so the top is seated tight against the back extrusion along its whole length.

1. Remove the guide rail from the table and clear the worktop.
2. Using a 5 mm hex driver, loosen the four screws that secure the top to the frame—underneath the table, one at each corner—so the top can move inside the frame.
3. Push the top back against the back extrusion. Sight along the joint from one end to the other: there should be no visible gap between the edge of the worktop and the extrusion skirt, at any point along its length.
4. Maintaining pressure to keep the top firm against the back extrusion, tighten the four screws.
5. Sight along the joint once more to confirm nothing moved as you tightened. Optionally, use a thin shim (0.005" or thinner) to confirm the gap is fully closed.

□ Shop-Built Tables

The goal with a shop-built table is to make sure the back apron is square to the 20 mm hole pattern in your worktop. If your worktop has adjustability, loosen it, bring the hole pattern parallel to the back apron, and refasten. If the top is permanently fixed, it is still worth checking, because any fence you add later may have to be corrected — shimmed, for example — depending on the squareness you require.

■ **Configure StaySquare to Your Table**

StaySquare arrives set up for the Festool MFT/3. If that is your table, skip to *"Installing StaySquare on an MFT/3" on Page 6.*

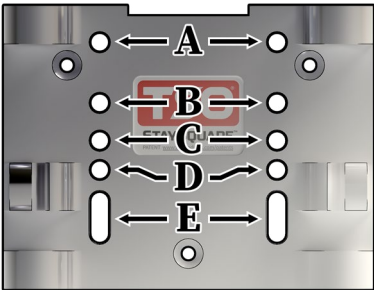
For every other table, you will need to determine which of the mounting holes on each Base you use, and which way the hook faces. Both are a quick adjustment. Find your worktop in the chart below and set both Positioners the same way before you mount anything.

□ **Settings by Table**

Table or Profile	Mounting Holes	Hook Faces
Festool® MFT/3	C	Inward
Festool MFT 1080	B	Outward
Dash-Board® PWS	A and E	Outward
TrackTubes™	B	Outward
3090 Profile (30 × 90 mm)	A and E	Outward
4080-Lite Profile (40 × 80 mm)	A and D	Outward
Shop-Built Tables	Countersunk holes	Outward

□ **Mounting Hole Locations**

Each Base carries five mounting hole pairs on its face, plus three countersunk holes for wood screws. The hole pairs are identified as A through E from the top down throughout this guide. These letters are shown in the figure to the right, and are not marked on the part itself. Use the figure to find the holes named in the chart above.



□ **Set the Hook**

The hook is the small plate on the back of the Base that catches the extrusion. It only engages on an MFT/3, so on any other table it gets reversed to face outward, out of the way.

However it faces, the hook must always point down. A hook pointing up will stop the Cradle or Hinge from lowering fully.

1. Remove the two screws holding the hook to the Base, using a 2.5 mm hex driver (not supplied).
2. Flip the hook front-to-back—not end over end—so it

faces the direction the chart calls for: inward on the MFT/3, outward on everything else.

3. Check that the hook still points down. It bolts up either way, so this is easy to get wrong.
4. Reinstall both screws and tighten them.
5. Repeat on the second Positioner. Both must be set the same way.



Example of hook set correctly—inward for MFT/3, always facing down.

□ **Set the Mounting Holes**

For extrusion tables, the mounting screws pass through the hole pairs named in the chart and thread into torpedo nuts that are inserted into the extrusion slot. For a wooden bench, the included wood screws pass through the countersunk holes instead. To set:

1. Find your table in the chart and note the holes it calls for.
2. Reposition the torpedo nut so that the two screws pass through the holes in the row identified in the chart. Repeat for each torpedo nut required.
3. Start the screws through the named holes into the torpedo nuts, leaving them loose enough that the Positioner can still be slid easily into the extrusion.
4. Repeat on the second Positioner. Both must be set the same way.

⚠ CAUTION

Ensure both Positioners are configured correctly for your intended table, and that both are set identically before proceeding to installation.

■ Installing StaySquare on an MFT/3

While the below process walks through installing StaySquare on a Festool MFT/3, the process is similar on other tables once you have set the Positioners properly in *"Configure StaySquare to Your Table" on Page 5.*

Step 1. Confirm your worktop is square to the extrusion. If you have not yet completed this process, see *"Before You Install: Pre-Square Your Worktop" on Page 4.*



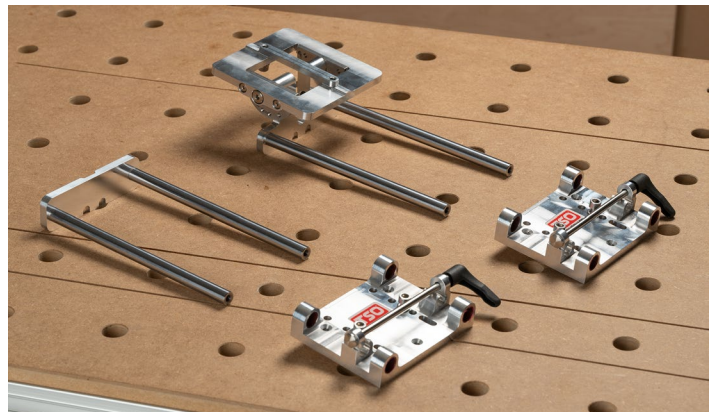
Step 2. If installing onto an MFT/3, skip to the next step. Confirm StaySquare is configured for your table. Both Positioners should already have the correct mounting holes and hook direction set. If you have not yet completed this process, see *"Configure StaySquare to Your Table" on Page 5.*



Step 3. Using a 5 mm hex driver, install both Position Stops in the front and back extrusions, in the approximate position you want the Positioners to be located, and leave them loose.

⚠ WARNING – PINCH HAZARD

The Hinge snaps into its 75° and 95° positions with force. Fingers caught between the hinge plates can be pinched hard enough to cause injury. Keep hands clear of the hinge plates whenever the guide rail is pivoting, and take particular care when handling a Positioner off the worktop.



Step 4. Release both Levers and lift the Cradle and the Hinge off their Bases.



Step 5. Slide both Bases into the front and back extrusions, near their final positions, and leave them loose. Ensure the hook slides over the top extrusion lip.

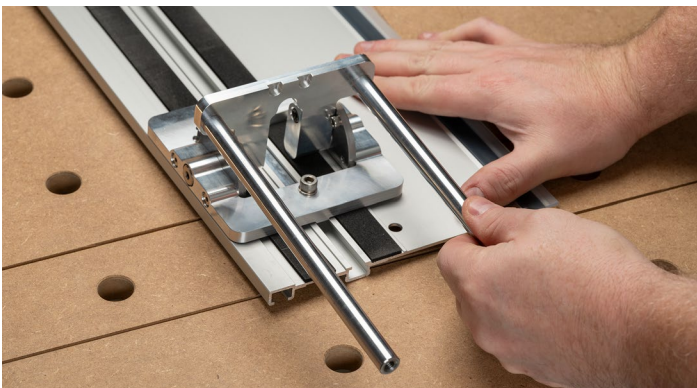


Step 6. Reinstall the Cradle onto the Front Base.

■ **Installing StaySquare on an MFT/3 (Continued)**



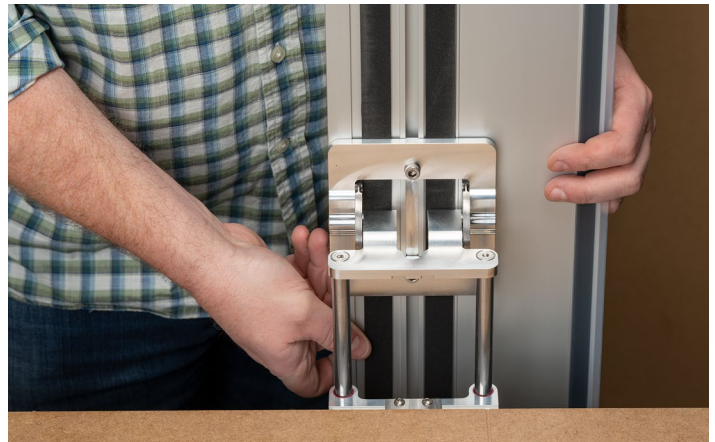
Step 7. Place the guide rail upside down on the table and install the Keeper Plate in the T-slot on the underside of the rail, roughly in position toward the front end. Secure enough that it doesn't fall out, but can be moved with finger pressure.



Step 8. Mount the Hinge to the guide rail. Turn it upside down, slide its torpedo nut into the guide rail's T-slot, and tighten the screws evenly with the assembly in the position you want, using a 5 mm hex driver. Ensure the Hinge is oriented in the direction shown in the image.

★ **PRO TIP: WHERE TO LOCATE HINGE**

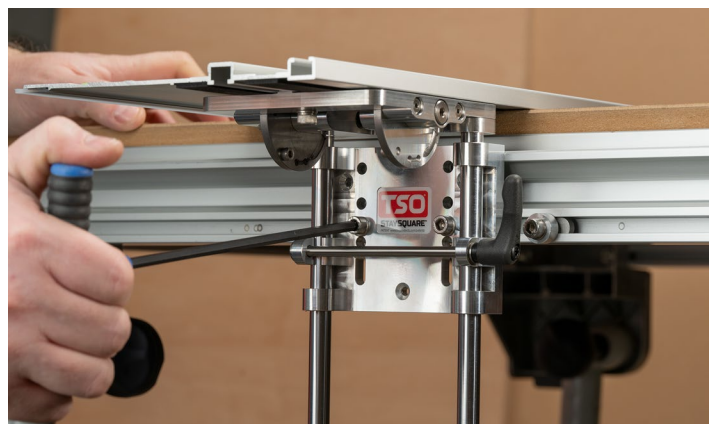
Aim for locating the StaySquare along the length of guide rail such that, once placed on the worktop, it extends beyond the front edge of the worktop approximately 6–7" (150–180 mm). This allows for saw infeed while keeping the guide rail stable.



Step 9. Lower the Hinge, guide rail attached, onto the Back Base.



Step 10. Lower the guide rail flat onto the table and tighten the Lever.



Step 11. Position the guide rail where you want it—aligned with previous cuts, or where your next crosscut needs to be—then tighten the Back Base screws into the torpedo nut, securing it to your table's extrusion.

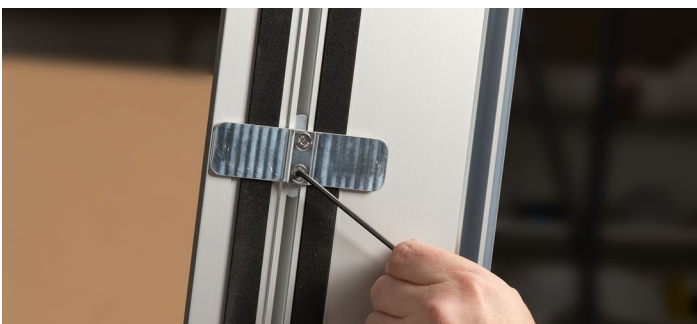
■ **Installing StaySquare on an MFT/3 (Continued)**



Step 12. Slide the Front Base until the Keeper Plate on the guide rail seats into the wedge-shaped recess in the Cradle, and clamp the Lever. You may need to move both the Front Base (left or right) and the Keeper Plate (forward or backward) to line them up.



Step 13. While keeping downward pressure on the guide rail, tighten the screws in the Front Base.



Step 14. Lift the guide rail and fully tighten the screws on the Keeper Plate.



Step 15. Confirm the guide rail lifts and is held at its positive stop locations of 75° and 95°. If the positive stops do not hold the guide rail upright, adjust the positive stop strength as outlined in *"Adjustments" on Page 16*. Do not assume StaySquare will hold your guide rail upright until you have completed this process.

⚠ CAUTION

Before using StaySquare on any worktop, including an MFT/3, test the positive stops with your own guide rail installed. Raise the guide rail to the 75° position and then to 95°, and confirm it locks securely at each one and does not descend on its own. Adjust the positive stop strength as needed before you rely on it (see *"Adjustments" on Page 16*). **A guide rail that is not held securely in a raised position can fall without warning.**



Step 16. Check the squareness of the guide rail and correct it if necessary, against your fence, your hole pattern, or whatever you use to locate your workpieces. See *"Checking for Squareness" on Page 14*.

■ **Installing StaySquare on an MFT/3 (Continued)**



Step 17. With the squareness checks complete, hold both Position Stops against the side of the Bases and tighten them.

★ **PRO TIP: LOCATING POSITION STOPS**

Affix the Position Stops on the longer side of the extrusion, whether that is left or right of StaySquare. It makes for a shorter path when you remove the Positioners later.

Installation Complete. This concludes installing StaySquare on an MFT/3 or other Extrusion Table.

■ Installing StaySquare on a Shop-Built Table

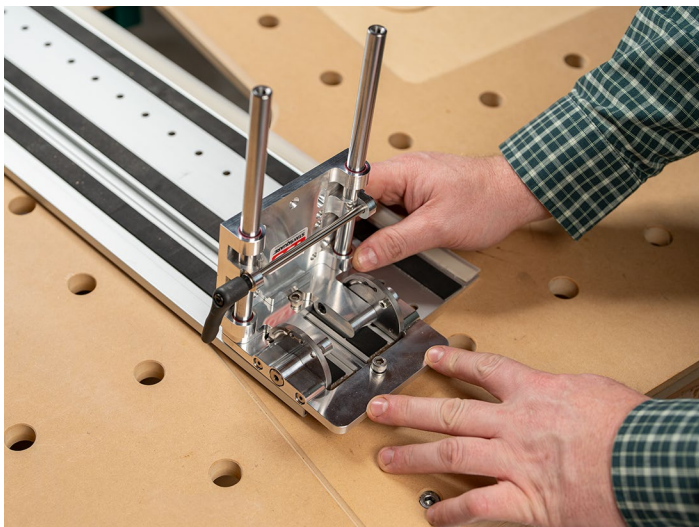
The following instructions assume you will be mounting StaySquare to a table with a wooden apron, and that you will be installing the StaySquare Hinged Positioner to the back apron.

Step 1. Confirm your worktop is square to the back apron. If you have not yet completed this process, see *"Before You Install: Pre-Square Your Worktop" on Page 4.*

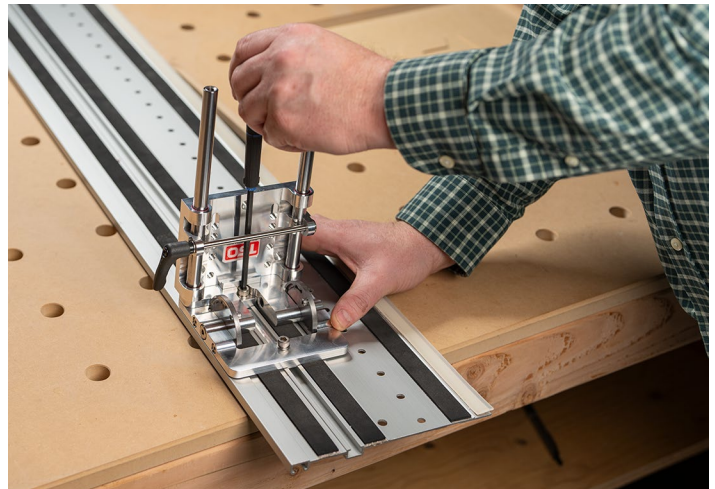
Step 2. Both Positioners should already have the correct configuration and hook direction set. If you have not yet completed this process, see *"Configure StaySquare to Your Table" on Page 5.*



Step 3. Holding the Back Positioner in hand, loosen the Lever, lower the Cradle and Hinge completely, and tighten the Lever to lock this position in place.



Step 4. Place the guide rail upside down on the table, and slide the Back Positioner, with Hinge installed and oriented as shown, into the guide rail. Be sure that the Positioner's torpedo nut feeds into the guide rail's T-slot.



Step 5. Locate the Hinge where it fits best on your guide rail and table dimensions, and tighten the screws evenly using a 5 mm hex driver.

★ PRO TIP: GUIDE RAIL OVERHANG

Aim for locating StaySquare along the length of guide rail such that, once placed on the worktop, it extends beyond the front edge of the worktop approximately 6–7" (150–180 mm). This allows for saw infeed while keeping the guide rail stable.



Step 6. With the Back Positioner mounted to the guide rail, flip the assembly over and place the guide rail at your intended cutting position on the table. Be sure the intended cutting position is free of dog holes or other obstacles.

■ **Installing StaySquare on a Shop-Built Table (Con't)**



Step 7. Using a pencil or other marking device, mark each of the three countersunk holes for pre-drilling.



Step 8. Remove the assembly and pre-drill for #8 wood screws using pilot drill bits of 3/32" diameter (for softwood, MDF) or 7/64" diameter for hardwoods.

★ **PRO TIP: OTHER FASTENERS**

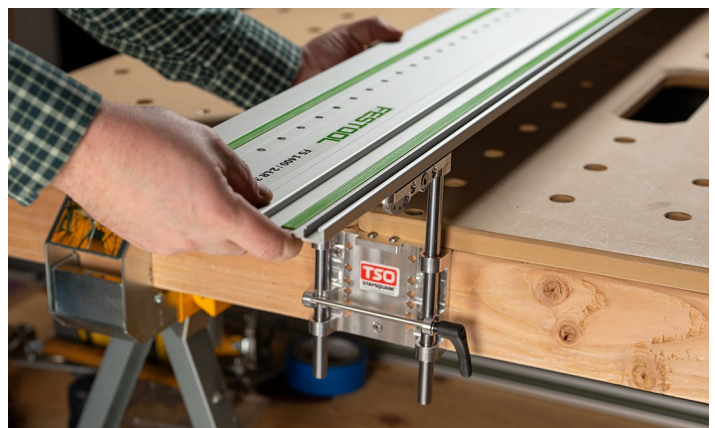
If you will be installing and removing StaySquare from a wooden apron often, consider substituting threaded inserts or nuts/washers along with countersunk machine screws of the same thread, in place of the supplied wood screws.



Step 9. Holding the Base, unclamp the Lever and pull it down, removing it from the assembly.



Step 10. Using a PH2 hand screwdriver, screw the Base in place using the included #8 × 1" wood screws. Alternate tightening until all three screws are secure.



Step 11. Re-insert the hinge and guide rail assembly into the Base, let it sit flat on the table, and clamp the lever in place.



Step 12. From the front of the table, test the rise and fall of the guide rail. It should land in the same spot consistently, with very little left/right "wandering." If not, revisit Step 5 and tighten both screws connecting the Hinge to the guide rail.

■ **Installing StaySquare on a Shop-Built Table (Con't)**



Step 13. Install the Keeper Plate into the bottom, front edge of your guide rail. Leave it a bit loose for now, so that it can still be moved by hand, but won't slide freely.



Step 14. Take the Front Positioner, loosen the Lever, and compress the Cradle all the way, leaving it at its lowest setting. Tighten the Lever to lock this position in place.



Step 15. Place the Front Positioner against the front apron of your table, and position the Cradle up snug against the Keeper Plate.

★ **PRO TIP: DOUBLE-STICK TAPE**

If you can't easily clamp the Front Positioner to your apron, some double-stick tape on its back side will keep it against your apron while you remove the Cradle and pre-drill for wood screws. Just remember to remove the tape before final installation of the screws.



Step 16. Using a pencil or other marking device, mark each of the three countersunk holes for pre-drilling.

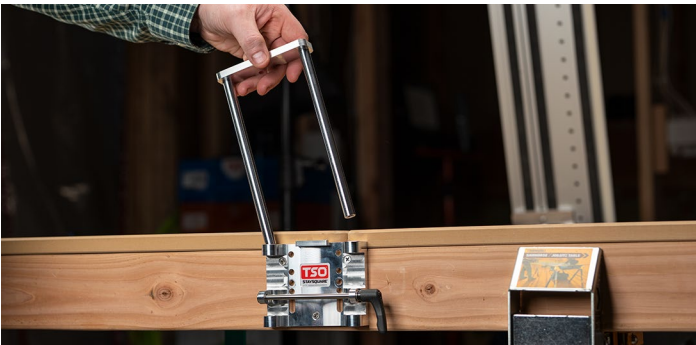


Step 17. Remove the Front Positioner, and tilt the guide rail into the fully upright position to get it out of the way. Pre-drill for #8 wood screws using pilot drill bits of 3/32" diameter (for softwood, MDF) or 7/64" diameter (for hardwoods).

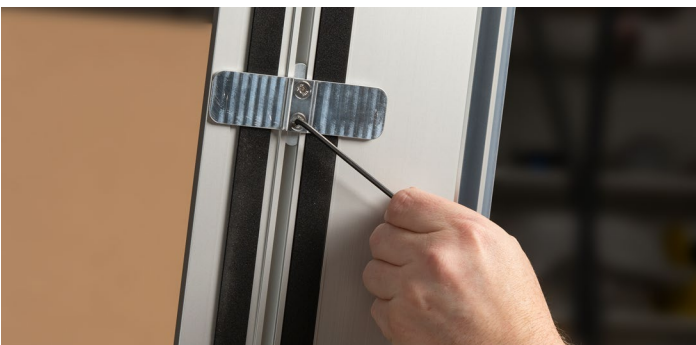
■ **Installing StaySquare on a Shop-Built Table (Con't)**



Step 18. Separate the Front Positioner by unclamping it and pulling out the Cradle from the Base. Using a PH2 hand screwdriver, attach the Base in place using the included #8 × 1" wood screws. Alternate tightening until all three screws are secure and the Front Positioner is firmly held in place.



Step 19. Re-install the Cradle onto the Base, set it to your desired height, and clamp the Lever.



Step 20. Lift the guide rail and tighten the screws to lock the Keeper Plate in place.



Step 21. Confirm the guide rail lifts and is held at its positive stop locations of 75° and 95°. If the positive stops do not hold the guide rail upright, adjust the positive stop strength as outlined in *"Adjustments" on Page 16*. Do not assume StaySquare will hold your guide rail upright until you have thoroughly tested its positive stop locations and, if necessary, completed the adjustment process.

⚠ CAUTION

Before using StaySquare on any worktop, including an MFT/3, test the positive stops with your own guide rail installed. Raise the guide rail to the 75° position and then to 95°, and confirm it locks securely at each one and does not descend on its own. If necessary, adjust the positive stop strength as needed (see *"Adjustments" on Page 16*). **A guide rail that is not held securely in a raised position can fall without warning.**



Step 22. Check the squareness of the guide rail and correct it if necessary, against your fence, your hole pattern, or whatever you use to locate your workpieces. See *"Checking for Squareness" on Page 14*.

Installation Complete. This concludes installing StaySquare on a Shop-Built Table.

■ Checking for Squareness

StaySquare is designed to fix your guide rail square to the extrusion it is mounted to. The chamfered alignment rib machined into the Hinge plate squares the guide rail to your extrusion and holds it there, eliminating the left-right slop and "wandering" common in other hinge designs.

Rather than squaring your table by adjusting the angle at which the guide rail sits, with StaySquare you adjust the table—and its hole pattern—to be square to your guide rail in its lowered position.

⚠ CAUTION

Do not try to square the guide rail by shifting the Front Positioner sideways. If the Front Positioner is offset from where the guide rail naturally lands, it can be forced up and out of the Cradle. The two Positioners belong at the same position along the front and back of the table.

□ What Reference Do You Use?

If you register work against...	Then...
Dog holes, bench dogs, or a fence that mounts in the dog holes.	The hole pattern must be square to your extrusion. See " Before You Install: Pre-Square Your Worktop " on Page 4.
The MFT/3 factory back fence	While it is still best practice to square your top to the back extrusion, you can square the MFT/3 fence to the guide rail at its protractor arm. See below.

★ PRO TIP: IMPORTANCE OF PRE-SQUARING

Even if you own the MFT/3 factory back fence—with its protractor arm and perimeter extrusion clamp—and intend to square that instead, it is still worth squaring the hole pattern to the back extrusion first. Squaring the fence is quick, but it squares one fence only. Any dog, dog-hole fence, or work stops you drop in later still carry whatever error the hole pattern has.

□ Squaring MFT/3 Factory Back Fence

The MFT/3 factory back fence mounts on a protractor arm along the back fence, with another clamp typically placed on the left perimeter extrusion. This allows you to make fine angular adjustments in the fence while the guide rail remains fixed.

1. Lower the guide rail onto the worktop and lock the Levers on both StaySquare Positioners.
2. With the MFT/3 protractor arm clamped tight to the extrusion, its angle set to 0°, and the fence knob also

tight, slightly loosen the two bolts holding the cursor to the protractor mounting rail using a 5 mm hex driver.

3. Loosen the clamp at the far end of the fence, typically mounted in the left extrusion. (Loosen its connection to the perimeter extrusion, not the upper clamp that secures it to the fence.)
4. Set a square or precision triangle against the guide rail and fence. Adjust the fence to remove any gap between it and the square or triangle. Verify there is no gap between the guide rail and the square or triangle either.
5. Lock the perimeter clamp and tighten the two screws on the protractor arm. Re-check for squareness.



Brian Sedgeley walks through squaring the Festool MFT/3 using the back fence adjustments. [Watch the video.](#)

□ Squaring to Dog Holes and Dog-Hole Fences

A fence that mounts in the dog holes is located by the hole pattern, and typically cannot be adjusted itself. Squareness comes from the hole pattern being square to the extrusion.

1. Confirm you completed "[Before You Install: Pre-Square Your Worktop](#)" on Page 4.
2. Mount your fence in the dog holes, fully seated, and fix it using the underside clamps.
3. Lower the guide rail and lock both Levers.
4. Check for squareness by placing a precision square or triangle against the fence face and the guide rail.
5. If there is an unacceptable gap, adjust the table as outlined in "[Before You Install: Pre-Square Your Worktop](#)" on Page 4.

■ **Everyday Use**

□ **Installing and Removing the Guide Rail**

There are two ways to take the guide rail off your worktop. Which one you use depends on whether you are clearing the table for other work, or packing StaySquare away.

Method 1: Remove the Guide Rail & Hinge Together

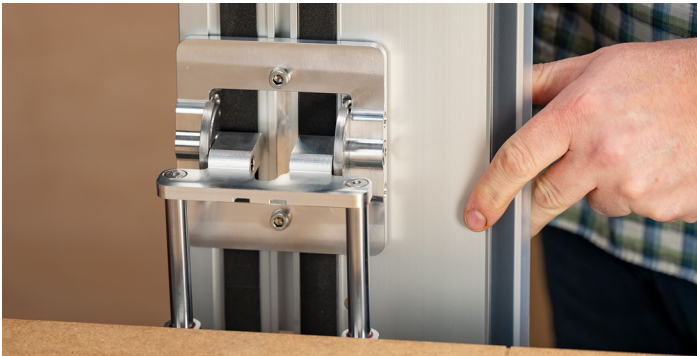
Loosen the Lever on the Back Positioner and lift the guide rail straight up. The Hinge comes with it as one assembly. No tools are required. To reinstall, lower the Hinge back onto the Back Base and tighten the Lever.

Method 2: Separate the Hinge from the Guide Rail

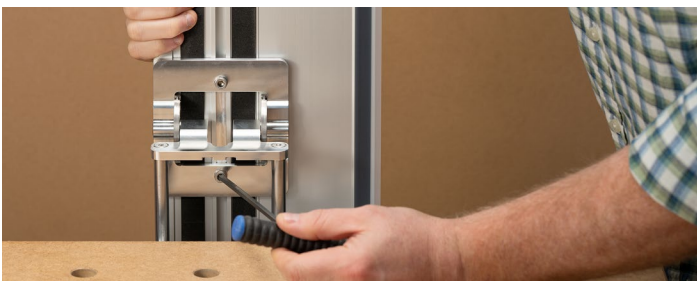
Use this method when storing StaySquare in its Systainer, or when moving StaySquare to a different guide rail.

⚠ WARNING — PINCH HAZARD

The Hinge snaps into its 75° and 95° positions with force. Fingers caught between the hinge plates can be pinched hard enough to cause injury. Keep hands clear of the hinge plates whenever the guide rail is pivoting, and take care when handling a Positioner off the worktop.



Step 1. Adjust the StaySquare Hinge height to approximately 2–3 in. (50–75 mm) above your worktop. Next, tilt the guide rail to its fully upright position. This puts the two screws that secure the guide rail easily within reach.



Step 2. Using a 5 mm hex driver, loosen the two screws evenly. Hold the guide rail so it does not slide or fall.



Step 3. Slide the guide rail up and out of the Hinge plate.

To install, reverse these steps with the Hinge in the fully upright position.

□ **Storing StaySquare**

The following applies if you purchased the StaySquare Systainer Kit with Foam Inserts. If you store StaySquare another way, the Hinge does not need to be folded down and you can skip this.

If you removed the guide rail with the Hinge fully upright, the Hinge is already open and will drop into the foam without folding. Otherwise, the hinge plate must be folded back to fit the case.

□ **Repositioning the Lever Handle**

The Lever handle is splined, so you can move the handle itself without disturbing the clamp. Use this when the Lever comes up tight at an angle that is hard to reach, such as when it is tight against the MFT/3 extrusion, preventing further clamping/unclamping.

1. Pull the handle outward, away from the Base, until the splines disengage.
2. Holding it out, rotate the handle to the angle you want.
3. Release. A spring forces the splines to re-engage and the handle is locked at its new angle. Now, you can continue clamping or unclamping.

■ **Adjustments**

□ **Positive Stop Strength**

The plungers that catch the guide rail at 75° and at 95° thread in and out. Turning them clockwise increases the effort it takes to move the guide rail between positions; turning them counterclockwise reduces it. Set them to suit the weight and length of the guide rail you are using. Follow these steps to adjust the positive stop strength.



Step 1. Lift the guide rail to its fully upright position.



Step 2. Using the 3 mm hex key, adjust the two black hex screws on the inside of the hinge—clockwise to increase positive stop strength, counterclockwise to reduce it.

Note: If you tighten these screws too far, the body of the plunger will hit the inner plate and make it difficult to pivot the assembly. If this happens, simply back the plunger off a bit to remove this interference.

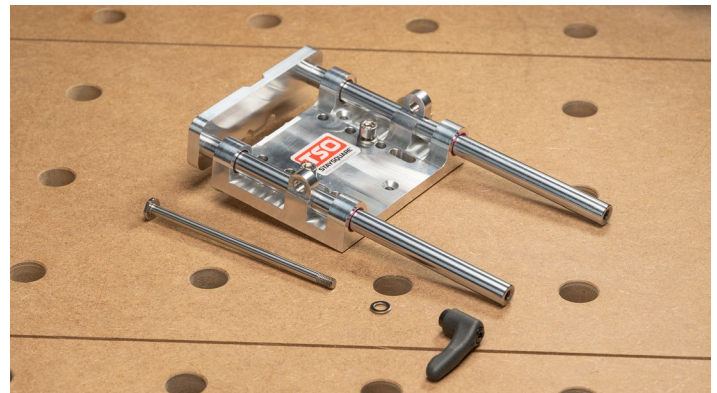
Step 3. Test by repeatedly lifting the guide rail into its positive stop positions at 75° and 95°. Once you are happy with the strength, the adjustment is complete.

□ **Reversing the Lever**

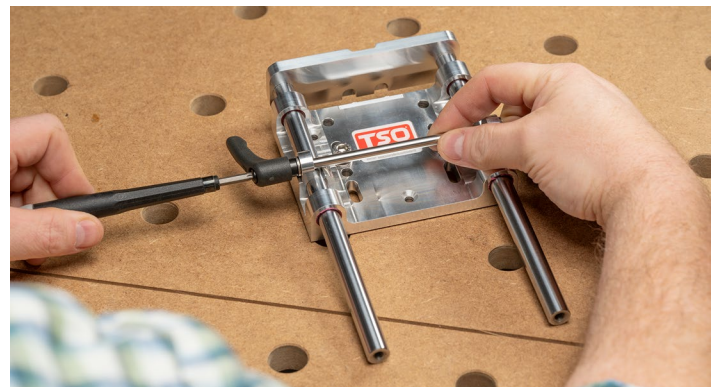
The Lever is repositionable and reverses to either side of the Base to suit your workbench and shop layout.



Step 1. Using a Torx T20 driver, unscrew the Lever completely. Hold the clamp shaft steady with your free hand.



Step 2. Pull the clamp shaft and washer out.



Step 3. Reverse components and re-attach the Lever on the opposite side. Hold the clamp shaft steady with your free hand.

■ Additional Compatible Accessories

The below accessories are available to build on your StaySquare Guide Rail System:

- [PTR-18 Precision Triangle](#)—Large format precision triangle with projection pins enabling rapid squaring of 20 mm tables, even with the guide rail in its elevated position.
- [Multifunction Fence & Stop Set](#)—Mounts in 20 mm dog holes. Laser-engraved dual-dimensioned scale and a dual-arm flip stop.
- [Bench Dogs](#)—A shop essential for precise, repeatable workholding. Whether you're positioning stock for cutting, mounting a guide rail, or connecting modular worktops, there's likely a bench dog for your specific application.
- [TDS-13 Low Profile Dog Stops](#)—Domino® mortising, sanding, planing and scraping are all made easier with the TDS-13 used as an extended length material stop.
- [Systainer³ M 137 & StaySquare Foam Insert Kit](#)—Store, organize, and protect your StaySquare System and its components in this TSO blue Systainer with custom CNC-cut Kaizen Foam inserts.

■ Questions, Comments, or Ideas?

We thrive on your feedback, so please let us know if you have any comments, concerns, feedback, or ideas on how we can continuously improve our products.

We're easy to reach! In the United States, call us toll-free at 800-727-0311. For our international customers, call us at 239-236-5526. To send us a message, visit us at www.tsoproducts.com or email info@tsoproducts.com, and we'll get back to you as soon as possible.

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Happy woodworking!