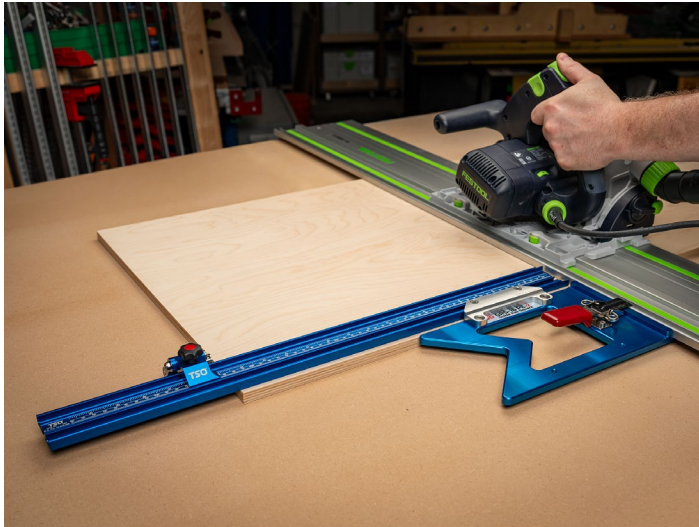


CROSSCUT SYSTEM FOR GUIDE RAIL SQUARES USER GUIDE

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Thanks for purchasing this genuine TSO Product.

Questions? Suggestions? Ideas? We thrive on your feedback! Contact us toll-free at 800-727-0311 (U.S.), 239-236-5526 (international), email us at info@tsoproducts.com, or visit www.tsoproducts.com/support for a copy of this guide.

⚠ 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 guide.

Before use, verify that all Crosscut System for Guide Rail Square components are securely attached to the guide rail, and that the workpiece is securely affixed to a stable surface.

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.

⚠ CAUTION

This guide provides installation and setup instructions only for the TSO Products Crosscut System for Guide Rail Squares when used with compatible track saw guide rails. 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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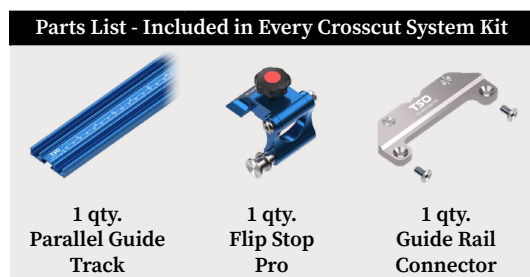
Compatible Track Saw Systems

Compatibility is determined by your Guide Rail Square, which is sold separately. Ensure you have the correct Guide Rail Square for your track saw system, shown below:

- **GRS-16 PE v2:** Fits Festool, Makita, Milwaukee, Powertec, Triton, and WEN track saw guide rails
- **GRS-16 PE v1:** Fits Festool, Makita, Powertec, Triton, and WEN track saw guide rails
- **GRS-16:** Fits Festool, Makita, Milwaukee, Powertec, Triton, and WEN track saw guide rails
- **GRS-16 PE D:** Fits DeWalt track saw guide rails
- **GRS-16 PE K:** Fits Kreg ACS track saw guide rails (not compatible with their AccuCut system)
- **GRS-16 PE R:** Fits Ridgid track saw guide rails

What's Included in the Box

Verify your kit includes the following parts:



What's NOT Included in the Box

The following items are required but not included:

- **Compatible GRS-16:** All GRS models featuring accessory mounting holes are compatible with the Crosscut System (see next section to verify compatibility)
- **3 mm Hex Driver or Key**

Determining Guide Rail Square Compatibility

All GRS-16 models featuring tapped accessory mounting holes are compatible with the Crosscut System. This includes any GRS-16 manufactured on or after 2018.

To verify the compatibility of your GRS-16, look for two tapped accessory mounting holes adjacent to the GRS-16 nameplate, located 100 mm (3.94 in.) apart, as depicted in the visual below.



Tools Needed for Setup

In addition to the aforementioned hex driver, the following tools are required for initial calibration and setup:

- A trusted measurement tool (such as a combination square or double square)

Note: All operations should be performed with hand tools. Do not use power drills/drivers. Power drills/drivers can easily cross-thread or overtighten/strip existing threads.

Additional Compatible Accessories

The following accessories are available to expand your Crosscut System:

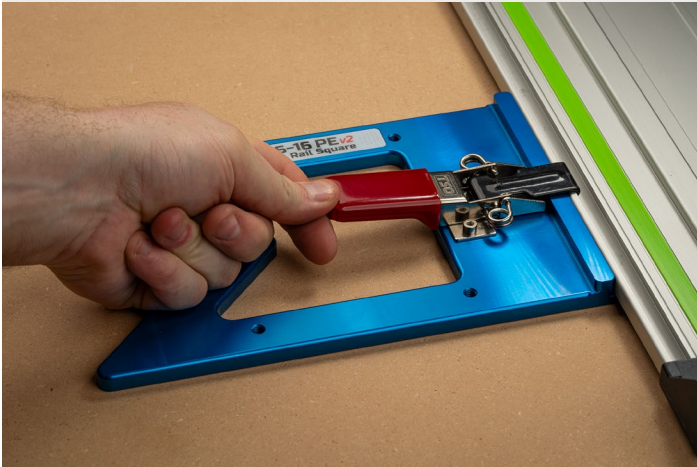
- **Extra Flip Stop Pros**—Keep multiple Flip Stop Pros on your Parallel Guide Tracks, preset for common dimensions, to save setup time between cuts.
- **Systainer Foam Insert for Parallel Guide System Gen 2 Accessories**—This custom foam insert is designed to hold the Guide Rail Square Connector, two Flip Stop Pros, two GRC-12 Guide Rail Connectors, and more.
- **TSO Systainer³ M 112**—A rugged, flexible, and convenient means of storing and transporting your GRS-16 Guide Rail Squares and other TSO products.

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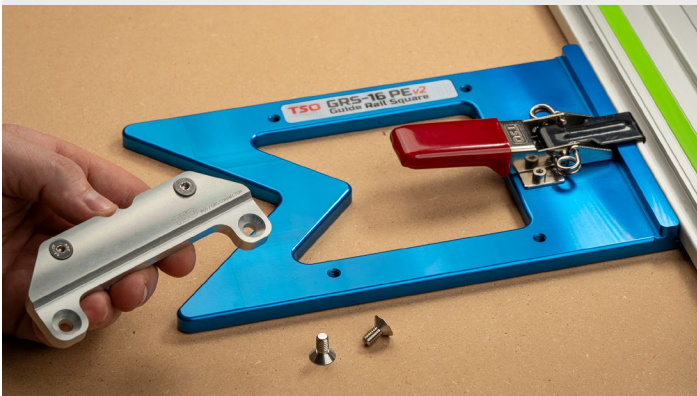
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Assemble Crosscut System

Step 1. Connect your *Guide Rail Square* to a compatible track saw guide rail.



Step 2. Assemble the *Guide Rail Connector* as shown, with the torpedo nut loosely attached to the connector body, and set aside the two larger flathead screws.



Step 3. Attach the *Guide Rail Connector* to the *Guide Rail Square* body using the two larger flathead screws as shown below. Hand-tighten.



Step 4. Slide the *Parallel Guide Track* through the torpedo nut of the *Guide Rail Connector*. If you encounter resistance, continue to loosen the two flathead screws of the torpedo nut.



Step 5. Continue sliding the *Parallel Guide Track* until the laser-engraved tick mark lines up with the cursor on the *Guide Rail Connector*.



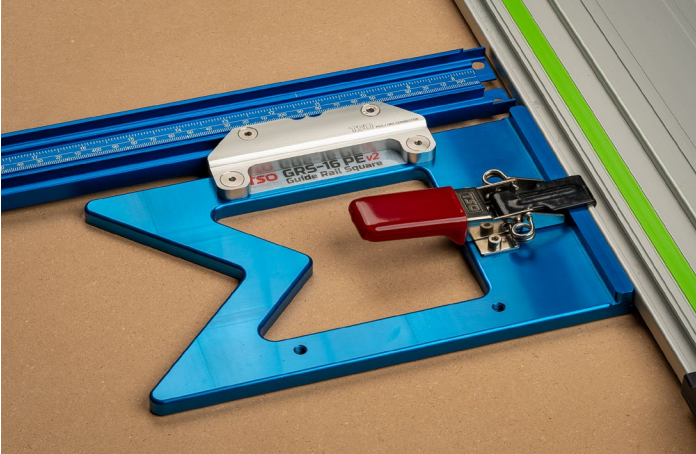
Step 6. With the cursor aligned to the tick mark, tighten the two topmost flathead screws, clamping the *Parallel Guide Track* to the assembly.



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Step 7. The *Parallel Guide Track*, *Guide Rail Connector*, *Guide Rail Square*, and guide rail should now be a unified, rigid assembly.



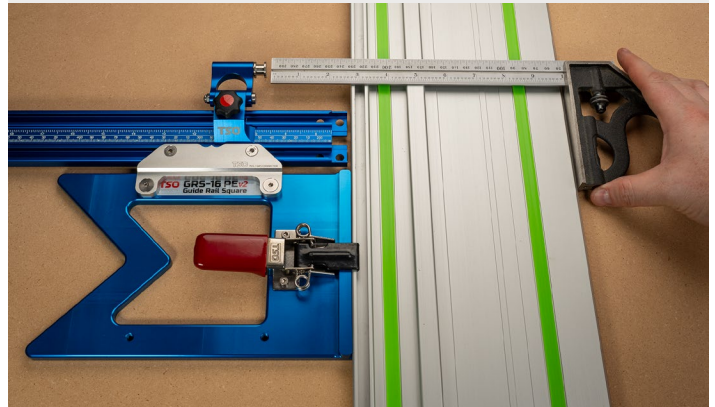
Step 8. Slide the *Flip Stop Pro* onto the open end of the *Parallel Guide Track*. Loosen the comfort-grip knob and press it downward slightly to make the Flip Stop Pro easier to slide into the track.



Step 9. Position the cursor at the desired calibration dimension (such as 10 in.) and tighten the knob of the *Flip Stop Pro* to prevent movement during calibration.



Step 10. Using a trusted measurement tool (such as a combination square or double square), set it to the same dimension you selected in Step 9. Extend the square over the guide rail and place its reference edge firmly against the splinterguard, ensuring the blade of the square remains perpendicular to the guide rail. *Note: If a suitable measuring tool is unavailable, a panel cut accurately to a known dimension, such as 10 × 10 in., may be used instead.*



Step 11. Using a 3 mm Hex Driver or Key, turn the calibration plunger on the *Flip Stop Pro* arm clockwise to extend and counterclockwise to retract. Adjust the plunger until it just contacts the reference surface. The *Flip Stop Pro* is now calibrated.



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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.

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Happy woodworking!