

NARROW STOCK PRO RIP CUTTING SYSTEM USER GUIDE

TSO™ PRODUCTS



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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.

NOTICE

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 Narrow Stock Pro Rip Cutting System guide.

Before use, verify that all Narrow Stock Pro components are securely attached to the guide rail, that the adjustable feet are level, and that the workpiece is securely clamped 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 Narrow Stock Pro Rip Cutting System on 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

This system was designed only to work with the below compatible track saw systems. Ensure your track saw guide rail is listed below:

- Festool® FS guide rails
- Makita® plunge saw guide rails
- Milwaukee® plunge saw guide rails
- RIDGID® track saw guide rails
- Kreg® Adaptive Cutting System guide tracks
- Powertec® track saw guide rails
- Eastvolt® track saw guide rails

What's Included in the Box

The Narrow Stock Pro System is available as a **Complete Set** or as a **Gages-Only Kit**. Find your kit below.



¹ Optional flathead screws can be used to replace the installed comfort-grip knobs, which may interfere with the track saw motor housing when making very deep plunge cuts.

Tools Needed for Setup

The following tools may be helpful for initial calibration and setup:

- Sharp pencil or fine mechanical pencil
- Small precision rule (e.g. machinist's rule)
- Optional: Combination square or double square
- Two thin scraps to elevate the guide rail (not needed if you're installing onto a Festool MFT/3 or similar worktop that already supports elevation and positioning)

Additional Compatible Accessories

While not included in the Narrow Stock Pro Rip Cutting System, these accessories pair well:

- **Additional Guide Rail Supports**—Available in pairs, these can be used to support the track saw at the start, end, or between Gages during longer rips.
- **Systainer Foam Insert for Narrow Stock Pro**—Precision CNC-cut foam insert designed to organize and protect all Narrow Stock Pro system components.
- **UJK Adjustable Height Guide Rail Dogs**—These specialized 20mm dogs fit the underside T-track of your guide rail, securing and elevating it on any 20mm worktop.
- **Axminster Guide Rail Ratchet Clamp**—Mounts into the bottom T-track in your guide rail for clamping the guide rail to your workpiece, or through any 20mm dog hole for clamping your workpiece to the worktop.

Converting to Cut Thicker Stock

When working with thicker material, your track saw plunges deeper—and your guide rail sits higher off the work surface. For cuts on stock thicker than 3/4" (19mm), convert the system as follows:

- Replace the top comfort-grip knob on each component with the included flathead screw to provide extra clearance for your saw's motor housing during deep cuts.
- Reverse the slotted support foot bracket so the long side of the bracket is vertical. In this orientation, the foot can extend to support material up to 1.5" (38mm) thick.

Always test your setup on a scrap workpiece first to ensure the guide rail is fully supported, the support feet reach the work surface throughout the entire cut, and that your workpiece is properly secured.

Pro Tip #1: Add Non-Skid Strips to Guide Rail

If you often cut narrow stock with your track saw, adding an extra strip of non-skid foam to the underside of your guide rail—close to the splinterguard—can make a big difference.

Narrow workpieces frequently don't reach the factory-installed non-skid strips, which are typically positioned near the outer edges or T-track features of most guide rail systems.

To improve grip in these situations, Festool offers a 10-meter (32.8') replacement non-skid strip, item 485724. Other brands offer similar products for their rails.

It's a simple, effective way to boost workholding between the guide rail and narrow or delicate workpiece.



Pro Tip #2: Check/Renew Splinterguard

Calibration of the Narrow Stock Pro depends on one critical reference point: your guide rail's splinterguard.

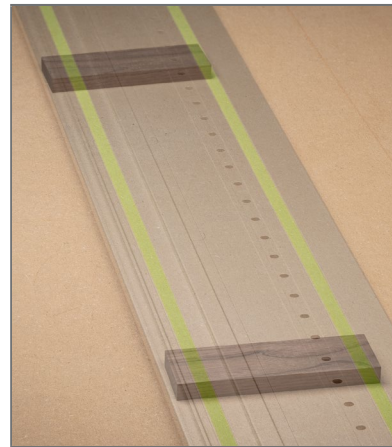
The edge of the splinterguard must be perfectly aligned (coplanar) with your track saw's cutting kerf. Even if it looks fine, repeated use can gradually wear it down.

To check if it needs to be "renewed," make a test cut. Before moving the guide rail, run your finger along the splinterguard and the freshly cut workpiece. If the workpiece projects beyond the splinterguard, it's time for renewal.

You typically don't need to replace the splinterguard — just shift it out 1–2mm and re-trim with your saw. Use a heat gun or hair dryer to gently warm the adhesive, then peel the strip away by hand. If done carefully, the original adhesive will still hold. If not, 3M VHB 4910 or 5952 tape makes a great substitute.



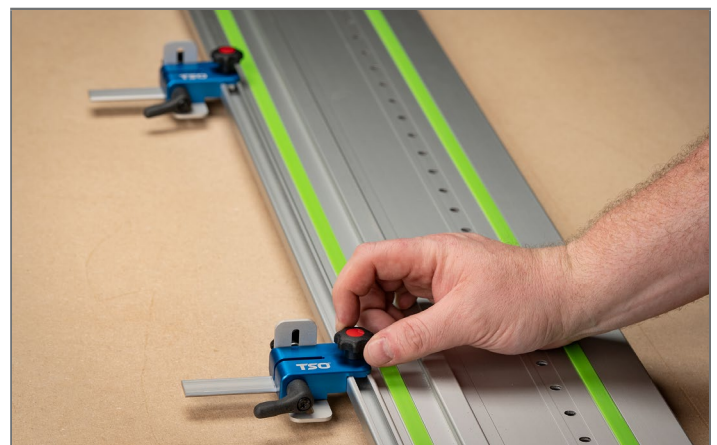
Installation & Calibration



Step 1. Elevate your guide rail with thin strips (roughly 3/8" in thickness) located at the far ends. Alternatively, if installing onto a Festool MFT/3 or other worktop with a means to elevate and fix the guide rail in place, position the guide rail about 3/8" above the worktop.



Step 2. Before installing the Gages, ensure their adjustable feet are fully retracted. Repeat for the other Gage and Support Feet, if used.

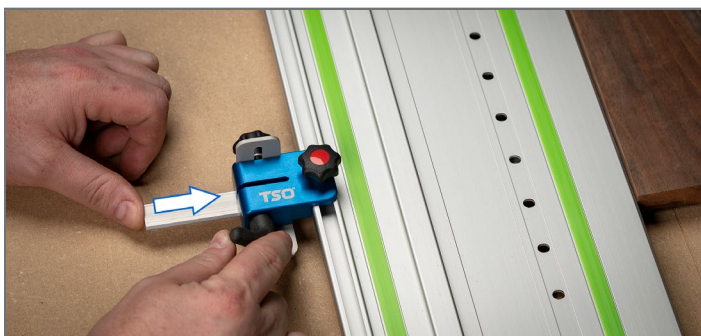


Step 3. Slide both Gages into the top T-track in your guide rail, and tighten the top comfort-grip knob to secure them in place. Keep the lever arms loose so the Gage Bars can slide back and forth.

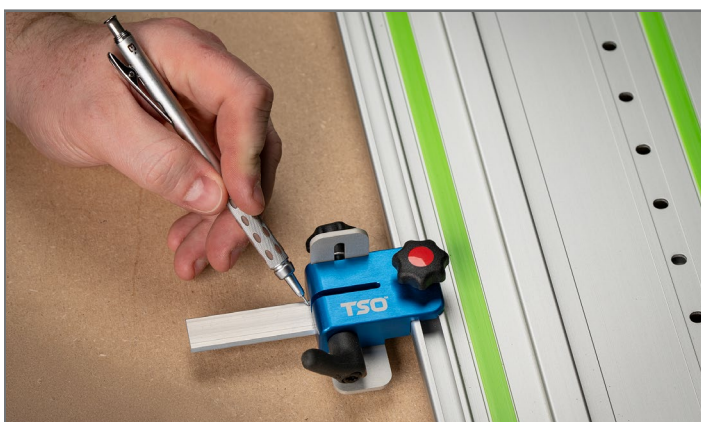
*Continue to the next step if using the Rule & Marking method of calibration. If using the Combination Square method, skip to **Step 8**.*



Step 4. Slide your workpiece snugly against the guide rail splinterguard.



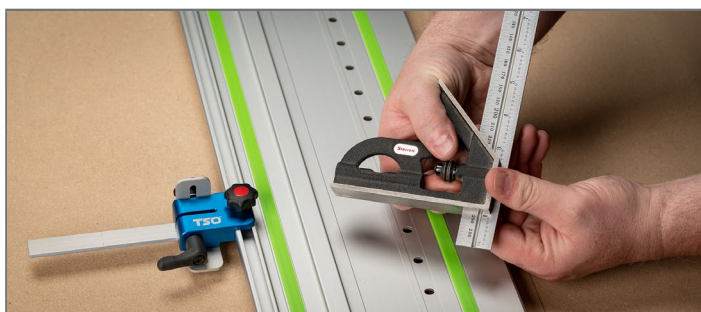
Step 5. Push the Gage Bar underneath the guide rail until it comes in contact with the workpiece. Rotate the clamping lever clockwise to secure it. Repeat for the other Gage Bar.



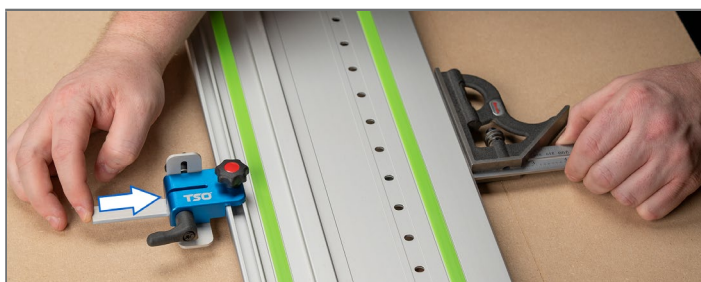
Step 6. Mark the "Zero Line" on the Gage Bar, where the bar meets the body, using a sharp pencil or fine mechanical pencil.



Step 7. Release the clamping lever and pull out the Gage Bar to your desired cut width. Using a precision rule, align your desired cut width on the rule to your pencil mark. (Above, we're showing a 1" cut.) Once aligned, tighten the clamping lever to fix the Gage Bar in place. Repeat for the other Gage Bar. *Skip to Step 11.*



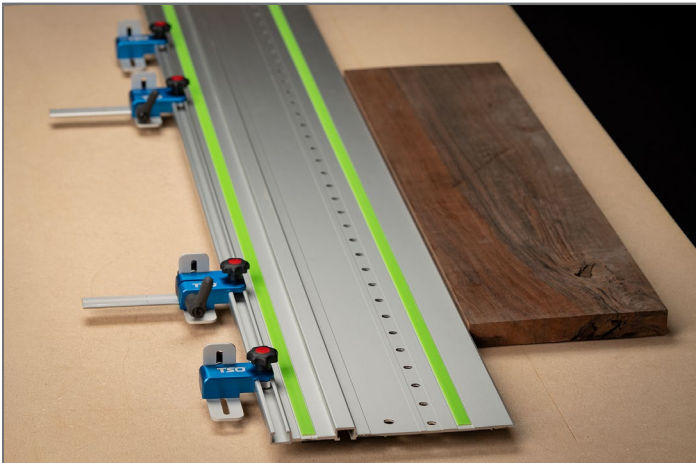
Step 8. Set the Combination Square or Double Square to your desired cut width.



Step 9. Keeping the face of the Combination Square against the splinterguard, push in the Gage Bar until it contacts the blade of the Combination Square.



Step 10. Secure the clamping lever and repeat **Steps 9 and 10** for the other Gage Bar.



Step 11. Slide on additional Guide Rail Support Feet as needed. Here, they are shown supporting track saw lead-in and lead-out, but they can also be helpful in preventing guide rail deflection between the Gage Bars for longer cuts.



Step 12. To set the foot height of the Gage Bar, release the side-mounted comfort grip knob and drop the foot to the work surface. Tighten the knob to secure the foot in place. Repeat for the other Gage Bar and Support Feet, if used.



Step 13. With the Narrow Stock Pro components installed and calibrated to your desired cut width, place your Guide Rail on top of your workpiece and slide right until both Gage Bars make contact with your workpiece edge. You're ready to make the cut!

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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