



TPG PARALLEL GUIDE SYSTEM

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INTRODUCTION

The **TSO Parallel Guide (TPG) System** utilizes two precision extruded T-tracks attached perpendicular to your guide rail with two precisely machined FlipStops which engage the edge of your workpiece parallel to your guide rail's cutting line—resulting in accurate and perfectly repeatable rip cuts. The TPG Parallel Guide System is compatible with any length of Festool®, Kreg®, Makita®, and Powertec® brand guide rails.

The **TPG Parallel Guide T-Track** is a proprietary aluminum extrusion incorporating a permanent laser-engraved scale in both inches and millimeters. When ordering the TPG System, you have the option of selecting 20" (508mm), 30" (762mm) and/or 50" (127cm) T-Tracks. Note that 20" (508mm) and 50" (127cm) T-Tracks can be ordered as standalone accessories. For added capability when making extra-wide rips, we also offer a T-Track connector to join multiple lengths of TPG T-Tracks.

The **TPG FlipStops** are precision machined and assembled to fit left- or right-hand T-tracks. The appropriate configuration is included with each TPG set. Note the FlipStops are designed to be reversible (left or right) should you need to reconfigure in the future. Each FlipStop features a unique parallax-free viewing cursor enabling fast, accurate adjustment. New with Version 2.0, a Calibration Memory collar eliminates the need to re-calibrate the FlipStop



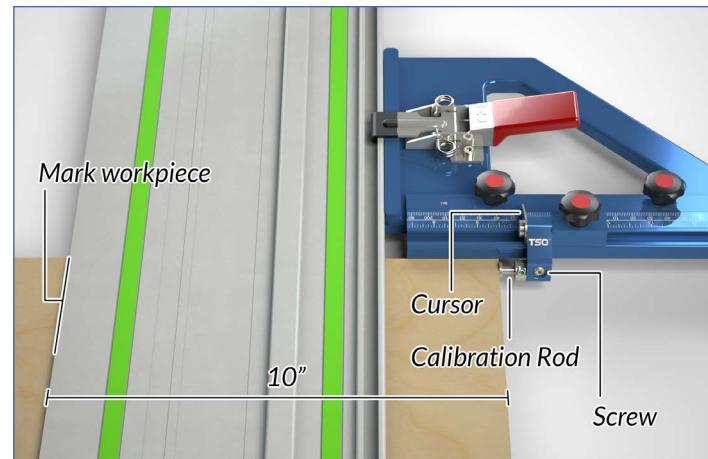
when changing between narrow cut and standard calibration rods.

Connecting TPG T-Tracks to your guide rail can be accomplished using either a **GRS-16 Guide Rail Square**, **GRS-16 PE Guide Rail Square**, or **TPG Adapter**.

Either two TPG Adapters can be used; or one TPG Adapter and one GRS-16 Guide Rail Square; or two GRS-16 Guide Rail Squares (one of which must be a GRS-16 PE for the left-hand T-Track, as it is the only square capable of referencing off the front or back edge of your workpiece).



CALIBRATION: FOR FINISHED PARTS WIDER THAN GUIDE RAIL



1. Mount the TPG Parallel Guide T-Track to the GRS-16 Guide Rail Square or TPG Adapter using the (2) M6 x 10 mm knobs provided.
2. Slide the FlipStop onto the TPG Parallel Guide T-Track, cursor end first, and tighten (secure) the knob.
3. Attach the GRS-16 Square + Parallel Guide assembly to the Festool, or Makita guide rail as shown.

If you own a combination square, skip to step 8.

4. Mark a line on the workpiece at 10 inches (254mm) from the edge.
5. Place the assembled Guide Rail + GRS-16 Square + Parallel Guide on the workpiece and set the cursor to the 10-inch (254mm) mark.
6. Loosen the Screw securing the Calibration Rod and slide the rod so that it contacts the edge of the workpiece. Then tighten the screw securely with the 3mm hex driver provided.
7. This calibration should be complete for this saw and guide rail combination, but cuts should be checked occasionally to confirm nothing has changed.

CALIBRATION: FOR FINISHED PARTS WIDER THAN GUIDE RAIL (CONTINUED)

If you have a combination square...

8. Set your combination square to 10 inches (254mm) and place the 90° face of the combination square flat against the guide rail splinter guard.
9. Extend or retract the Calibration Rod to touch the tip of the combination square blade. Ensuring the combination square is still flat against the guide rail splinter guard, secure the Calibration Rod with the 3mm hex driver provided.

USE: FOR FINISHED PARTS WIDER THAN GUIDE RAIL

1. Confirm that finished part will be wider than the guide rail.
2. Set the cursor on the TPG Parallel Guide to the required width of cut.
3. Set the saw to the required depth of cut.
4. Position the reference edge of the GRS-16 Guide Rail Square against the edge of the workpiece perpendicular to the cut.
5. Move the Parallel Guide + Guide Rail so that the head of the Calibration Rod rests against the edge of the workpiece which will be parallel to the cut.
6. It may be helpful to raise the guide rail slightly to ease the friction caused by its anti-slip strips and make it easier to reposition.

CALIBRATION: FOR FINISHED PARTS NARROWER THAN GUIDE RAIL

This calibration process requires use of the supplied **Narrow Part Rod**. It is the longer of the two calibration rods included in your TPG Set.

Although the TPG System, as with all parallel guide devices, can be used to cut narrow parts (narrower than the guide rail), the preferred method of making narrow part cuts is with a table saw. Extra care must be used to make a stable setup. We recommend practicing with scrap material to perfect your technique.

Cutting narrow parts requires using both the left- and right-hand parallel guides. Additionally, the workpiece must be supported with pieces of material under the guide rail of the same thickness as the workpiece to stabilize the **Guide Rail + GRS-16 Square + Parallel Guide** assembly and prevent the workpiece from moving while being cut. This is even more important when the workpiece is shorter than the guide rail being used.

1. Mount the TPG Parallel Guide T-Track to the GRS-16 Guide Rail Square or TPG Adapter using the (2) M6 x 10 mm knobs provided.
2. Slide the FlipStop onto the TPG Parallel Guide T-Track, cursor end first.
3. Attach the GRS-16 Square + Parallel Guide assembly to the right

end of the Festool, or Makita guide rail.

4. Remove the Standard Calibration Rod (used for wide parts) and insert the Narrow Part Rod.
5. Place the assembled Guide Rail + GRS-16 Square + Parallel Guide on the workpiece with the Narrow Part Rod under the Guide Rail and set the cursor to the 10" (254 mm) mark.
6. Place a piece of material against the Guide Rail splinter guard. Loosen the screw securing the Narrow Part Rod and slide the rod so that it contacts the edge of the material in contact with the splinter guard. Then tighten the screw securely with the 3 mm hex driver provided.
7. With this calibration method, zero-width corresponds to the 10" (254 mm) mark. As an example, to cut material 3" wide, the cursor would be set to the 13" (330 mm) mark.
8. This calibration should be complete for this saw and guide rail combination, but cuts should be checked occasionally to confirm nothing has changed.

For a video walkthrough of calibrating the TPG System, visit the TPG System product page at tsoproducts.com.



From the entire TSO Team, we wish you enjoyable use of this product. Please swing by our website and leave a review if you get a moment—it really makes a difference.