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Assembling Your MTR-18 Set

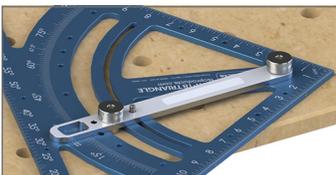
Attach the MTR-18 to your 20mm perforated worktop by following the steps below. For additional usage scenarios, see the next page.



Step 1: Place T-Bolt on your worktop



Step 2: Place triangle body over t-bolt through arched channel. Rotate T-Bolt until triangle sits flush to worktop.



Step 3: Place Indexing Pointer on top of triangle and secure through worktop with both dogs



Step 4: From under the worktop, install SpeedKnobs™ but don't tighten; triangle should still rotate



Step 5: Screw Brass Locking Pin over exposed T-Bolt thread to secure the triangle at a precise angle



Watch the assembly video on our YouTube channel by visiting <http://bit.ly/2vV4mg6>

What's Included with Your MTR-18 Set

Qty	Item & Description
	1 MTR-18 Triangle Body An 18" (457mm) precision system triangle body, anodized blue
	1 MTR-18 Triangle Foot Removeable foot enables freestanding use or referencing off edge of workpiece
	2 Edge Index Pins Used to form a foot on just one side of the triangle's face
	6 Socket Head Cap Screw, M4x0.7 Used to attach the removeable foot to triangle body; stowable inside triangle
	6 Socket Head Cap Screw, M6x10 Used to attach clamping angles to the triangle body
	1 Brass Locking Pin Use to lock the <i>Indexing Pointer</i> in place, or lock in a cardinal angle
	1 Star Knob Can be used as an alternative to the Brass Locking Pin to lock the <i>Indexing Pointer</i> in place (provides additional purchase)
	1 T-Bolt Mounts to the underside of the triangle and accepts <i>Brass Locking Pin</i> or <i>Star Knob</i>
	1 Indexing Pointer Aluminum pointer with non-parallax viewport for angle finding
	2 DoubleGroove™ Large Dogs Use these dogs to secure the triangle and <i>Indexing Pointer</i> to perforated worktop
	2 M8 SpeedKnobs™ Clamp these knobs into <i>DoubleGroove™ Dogs</i> to secure assembly to worktop
	2 Clamping Angles (7") Secure to triangle face so that you can clamp the triangle in its upright position
	2 Allen Drivers Use the M3 and M5 allen drivers to quickly add and remove optional parts
	1 Storage Tin A handy cubbie for all of the small components included in the MTR-18 Set

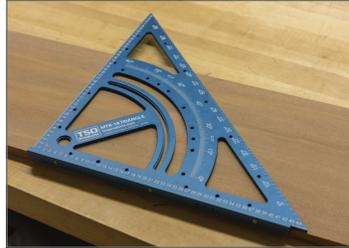
User Guide for MTR-18 Set

More Applications for Your MTR-18 Set

See below for other common applications of the MTR-18 Precision System Triangle. Got an application we haven't listed here? We'd love to hear about it!

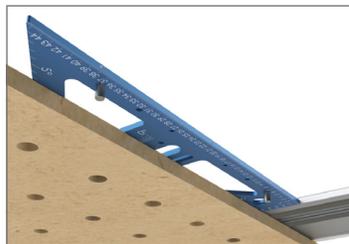
Referencing Off the Edge

Attach the removeable foot and use this edge to mark or score a perfect 90 or 45 degree line on your workpiece. When the foot is not in use, be sure to stow its screws inside the triangle foot so they're never misplaced.



Reference Off the Single-Sided Edge

If you find that the removeable foot "gets in the way," try deploying the single-sided edge. Screw the two included Edge Index Pins into one face of your triangle. If possible, utilize the holes at opposite ends to maximize the length of the reference edge and maximize measurement accuracy. Now, you can flip the triangle when you need a reference edge, or flip it back when the edge is no longer necessary.



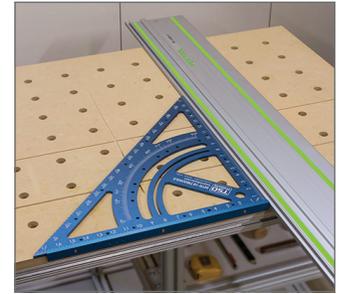
Square a Cabinet Interior

The MTR-18 Set provides two ways to confirm the interior squareness of a cabinet: using the removeable foot, or using the included Clamping Angles. For quick measurement, the removeable foot allows the triangle to stand upright. If a more rigid or semi-permanent attachment is preferred, attach the Clamping Angles to one face of the triangle and secure the perpendicular edge to your workpiece with a separate clamp.



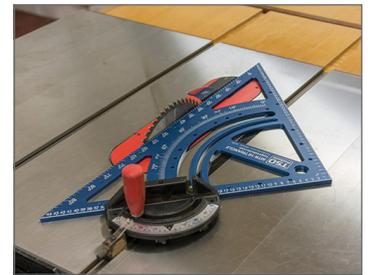
Setup Guide Rail or Fence Perfectly Square

Not sure if your guide rail is positioned at a perfect 90 degree angle for your cut? Use the triangle to quickly confirm squareness by referencing off the edge of your worktop. If your worktop has an adjustable fence, use the triangle to confirm the fence is perfectly perpendicular to your guide rail.



Adjust Your Miter Gauge to a Perfect 45 or 90 Degrees

Confirm your miter gauge is at a perfect 45 degrees to the table saw blade by first aligning the hypotenuse edge of the triangle with your table saw blade. Ensure the triangle spans the entire length of the blade, including the carbide cutters which are usually wider than the core. Loosen your miter gauge angle adjustment and slide it into your miter channel, up to the edge of the triangle as shown in the picture above. To calibrate your miter gauge at a perfect 90 degrees to your table saw blade, follow the same procedure but use the two shorter ends of the triangle.



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.

Thank you for supporting us!

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