

INSTRUCTIONAL GUIDE FOR

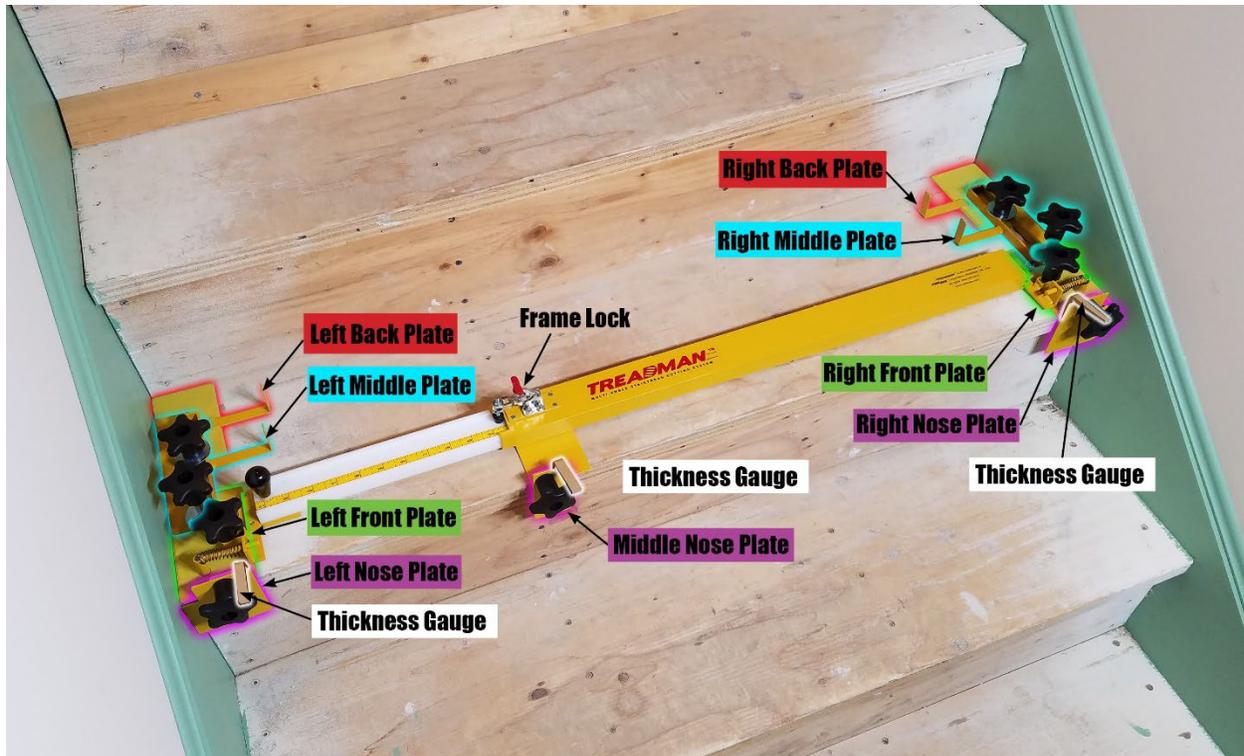


Figure 2: Treadman Multi Angle Stair Tread Cutting System

By securely locking in each step and tread's specific geometry, the Treadman® Multi-Angle Stair Tread Cutting System by ProKnee® acts as your template and cutting guide for quick, accurate and perfectly cut stair treads every step of the way.



Figure 1: Tool box covers to cutting surface

The optional self storage **Tool Box/Cutting Block** is constructed from blade friendly high density polyethylene which expands and doubles as a sturdy heavy duty cutting surface specifically designed to cut and handle rubber stair treads up to 6.5' in length. It boasts an overall cutting surface of 12.875"W x 6' 5.5"L with a 2" vertical surface provided for cutting nosings.



Figure 3: Cutting your "Thickness Gauges"

To get started, open & flip the box to extend the cutting surface (Figure 2), then place your rubber tread flush against the edge of the box.

Pro tip: Place Treadman ¼" from the salvage edge of material you are going to be cutting and cut 3 shims to be used as "thickness gauges". (Figure 3) Loosen all knobs on Treadman so that ALL plates move freely, then insert the 3 thickness

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gauges/shims into the provided slots of the left, middle and right **Nose Plates** (Figure 1). Tighten plates enough to hold the shims in place. This important step will help determine the depth of the cut.

Check to ensure all knobs are loose and plates move freely, then unclamp the **Frame Lock** and adjust the Treadman out until **Left Front Plate** and **Right Front Plate** are completely touching the wall on each side, ie. there should be no gaps between the plates and the wall. (Figure 4) Then clamp the **Frame Lock** down and tighten the knobs at both the **Left and Right Front Plates** to lock in the width.



Figure 4: Locking in plates flush with wall

Next, adjust the **Left Nose Plate** until the plate is flush against the wall with no gaps (making sure your thickness gauge/shim is in place) and tighten the knob to lock in the plate. Repeat for **Right Nose Plate**. Then tighten the knob at the **Middle Front Plate** with the thickness gauge/shim in place.

Similarly, repeat this process for the **Left Middle Plate** and then the **Left Back Plate**. Additionally, ensure that the **Left Back Plate** is flush against the riser with no gaps. Repeat this process for the **Right Middle Plate** and **Right Back Plate**.

Next, take note of the measurement denoted on the tape measure where the clamp meets. We recommend writing it on a piece of tape stuck to the step. Additionally, write this measurement down on a piece of paper.

Unclamp the **Frame Lock**, slide the Treadman together and remove the thickness gauge/shims BEFORE you place it on the stair tread you are going to be cutting.

Place the Treadman on the stair tread, expanding it to the measurement you previously took. *Pro tip: ADD 1/16" to that measurement so that the tread will fit nice and snug once cut.* Clamp down the **Frame Lock** to secure this width.

Mark the depth of the step onto the tread (using the top of the **Left and Right Back Plates** as a guide) then use the wall edge of the plates as a cutting guide and make your cut into the stair tread material on the left and then the right.



Figure 5: Undercut & bevel edge of finish cut

Next remove the Treadman and align a straight edge with the two depth markings made in the prior step then make your finish cut.

Pro tip: Put a slight bevel on finish cut edges. Be sure to undercut and NOT to overcut (Figure 5)

Place tread on step and there you have a perfect fit without the use of tricky technical techniques or pattern scribing. (Figure 6)



Figure 6: Outcome is a perfectly cut stair tread

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FOR CUTTING STAIR TREADS WITH RISERS:

Stick the reusable template strips from the **One Piece Step/Riser Template Kit** to the underside of the left and right **Back Plates** aligning with the notch on the template.

Pro tip: Cut out a pliable scribing bar from scrap material of the stair tread by using the kit's metal scribing bar as an exact cutting guide. (Figure 7)

Place 2" piece of masking tape from the kit over the template.

Once Treadman is locked into position as described above, press the template firmly with two fingers while holding the template flat against the cove stick and riser then smooth the tape over the cove stick and riser to ensure that it sticks well.

Then slide the pliable scribing bar under the nosing (oriented horizontally) and mark the bottom with a pencil onto the template. Next, orient the pliable scribing bar vertically against the skirt board and mark the side onto the template. Repeat this process for the other side.

Record your measurements, then carefully unstick the template and transfer Treadman to your stair treads pushing it against the edge of the nosing. Firmly stick the templates to the tread on both sides. Next place your metal scribing bar horizontally above the templates and mark the depth of the step with a pencil.

Subtract $\frac{1}{4}$ " from the depth of the step (the thickness of the stair tread), because the radius of the stair tread on the top is different from the radius of the stair tread on the bottom after it is installed. Then connect these two markings with a straight edge and make your finish cut.

To cut the width of the step, align the metal scribing bar with the edge of the template and cut vertically. Repeat for the other side.

Remove Treadman and apply slight undercut bevel to edges of stair tread.

Place tread onto step for another perfect fit! (Figure 8)

We also have comprehensive videos on our website that give demonstrations on both how to use the Treadman® tool and also how to complete One Piece Step/Riser installations at:

ProKnee.com/Treadman-videos

Additionally, more videos can be found on the Treadman playlist at: [YouTube.com/MrProKnee](https://www.youtube.com/playlist?list=PLMrProKnee)



Figure 7: Pliable Scribing Bar



Figure 8: Finished Treads with Step/Riser Template Kit