



Woodsmith[®] PLANS

ROUTER TABLE MICRO-ADJUSTER



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Set up your router table fence quickly and accurately with the turn of this easy-to-build micro-adjuster.

Sometimes, setting up the router in the router table and tweaking the position of the adjustable fence seem to take more time than actually routing the workpiece.

Not to say that you ever want to sacrifice precision and accuracy for speed. After all, with a hurried setup, your workpiece could easily end up in the scrap bin. And that would

mean you'd have even more work to do.

Still, there are all sorts of simple shortcuts you can take that will cut down the hassle and make the router table setup process

a lot quicker. One of the best examples is this easy-to-build device that will help you position your router table fence in record time — without adding to your scrap bin.

Router Fence Micro-Adjuster

Fine-tuning a router fence can be a hassle. It's hard to see how much you're adjusting the fence, and there's no measuring tape like there is on a table saw. Plus, it's easy to "bump" the fence too hard (or not quite hard enough) so that a simple setup takes several test passes before it's right.

To solve this, I made a micro-adjuster that can be

clamped to the edge of the table top behind my router fence, as you can see in the photo here. The adjuster isn't connected to the fence in any way (so you can use it with just about any type of router fence). Instead, the micro-adjuster simply pushes the fence forward (or acts as a stop that you can push the fence against).

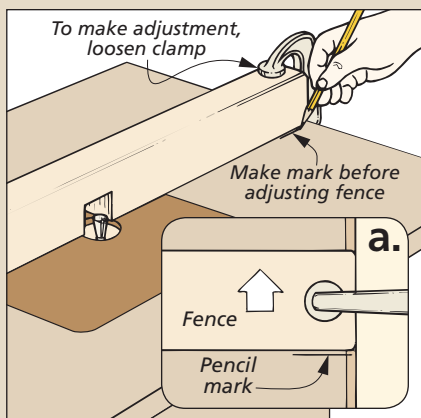
What makes the whole thing work is a hex bolt that runs through a common T-nut in the block, as shown in Fig. 1 below. A wing nut makes the bolt easier to turn, and a spring keeps tension on the bolt and prevents it from vibrating loose.



When using the micro-adjuster, roughly position the fence and clamp the adjuster to the table. Then with the opposite end of the fence tightened, you can fine-tune its position

by turning the adjuster. (If you need to back off the bolt, the fence will need to be pushed back against it.) Once the router fence is in the right position, simply clamp it down.

REFERENCE MARK



▲ When fine-tuning the router fence, it's hard to see how much it's actually being moved. So to make the adjustments easy to see, I simply make a reference mark beside the fence.

