

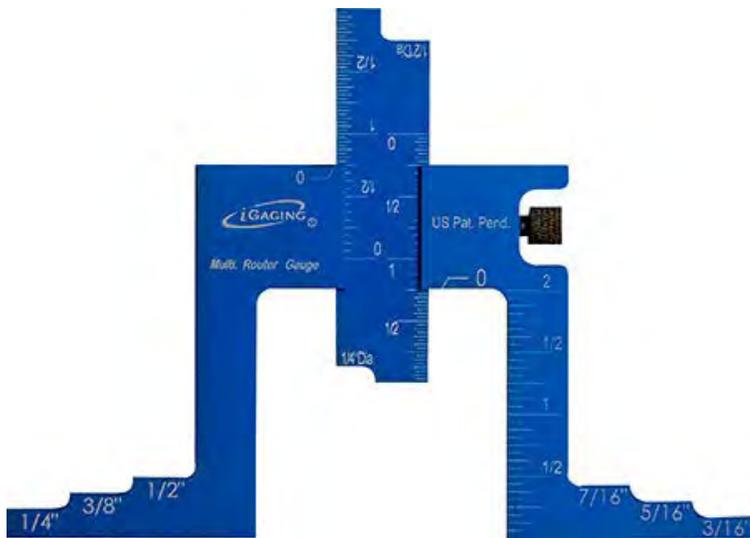
iGaging Mini Gauge Set

Instructions, Guides, & Suggestions

The iGaging Multi/Mini Gauge Set (MMGS) is designed to make it fast easy to set the height of a saw blade or router bit or the distance of a router bit to the router table's fence, even if you want to set the center of the bit to the fence. In fact, any tool setup can be made fast, easy, and accurate with the Mini Gauge Set.

Breakdown of Parts

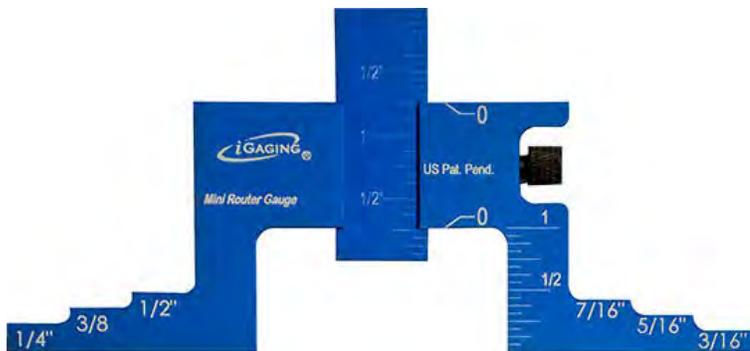
There are two Mini Router Gauge units, one tall and one short.



The Tall base unit is 3" tall with an internal slider, also 3" tall. The crossbeam is 1" tall. The locking screw can hold the slider at any vertical position.

Each "foot" of the base on both units have built-in setup blocks at thicknesses of 3/16", 1/4", 5/16", 3/8", 7/16", and 1/2".

The center measurement slider on the tall Gauge Set has cutouts of 1/8" and 1/4" to align with the center of 1/4" and 1/2" router bit shafts to measure to the centerline of a router bit. You can use either end by removing the slider, rotating it 180°, and re-insert.



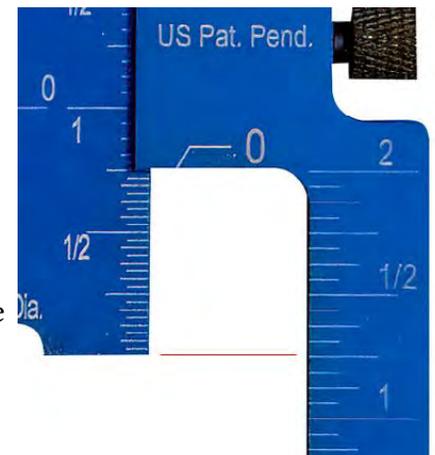
The Short base unit is 2" tall with an internal slider, also 2" tall. The crossbeam is 1" tall. The locking screw can hold the slider at any vertical position.

The top and bottom of the slider of the short MMGS are both cut square.

Basic Operation

Setting any desired measurement is simple: you are either adding measurements above the crossbeam of the unit or subtracting measurements from the bottom of the crossbeam.

Let's say you wanted to set the height of a router bit 1-1/4" above the router table using the tall MMGS. First, align the 3/4" mark of the slider so that it is adjacent to the zero line of the base. (Notice this coincides with the 1-1/4" line on the leg to verify your setting). Next, tighten the locking screw, and you're done setting the measurement. Now raise the router bit until it just grazes the bottom of the sliding section.

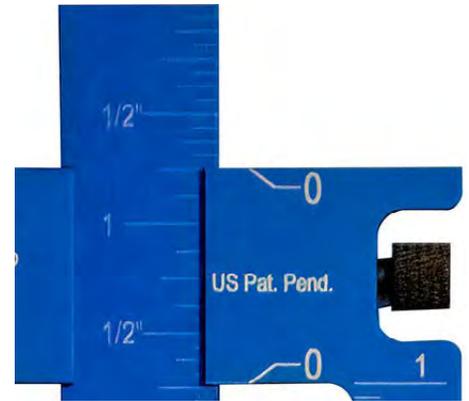


Basic Operation (continued)

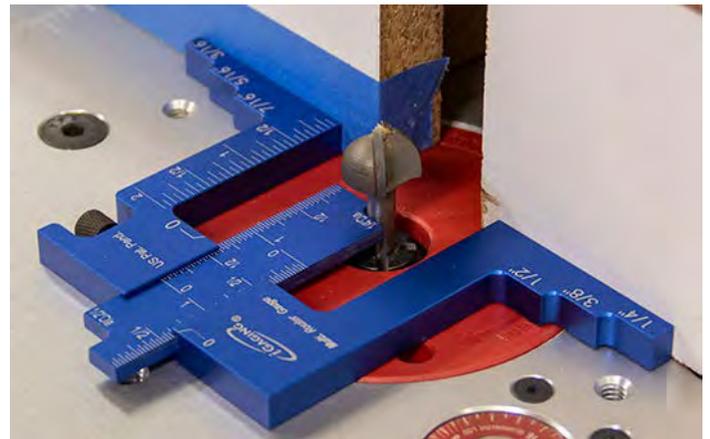
To set a measurement above the crossbeam, add the slider's length to the height of the MMGS. That is, if you wanted to set the height of your table saw blade to 2-3/4", you'd use the short MMGS and extend the slider above the main beam.

As you can see to the right, the 3/4" mark of the slider is set to the upper zero line of the crossbeam. Since the short MMGS is 2" tall, the slider's extra height (3/4") is added to the height of the MMGS to give you the 2-3/4".

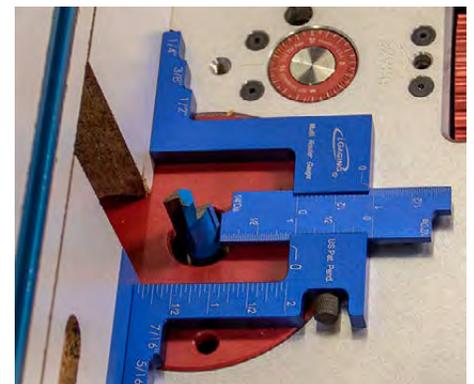
Now, using this as a setup block, you can raise the height of the blade until it matches the MMGS height.



Sometimes you need to set the distance from the fence, but not to an edge of the router bit but rather to the middle of the router bit. You can do that with ease with the MMGS. First, set the slider of the tall MMGS to the desired height. If the bit has a 1/4" shank, press the 1/4" indent on the tall MMGS' slider against the shank of the bit. Now bring the fence to the feet of the MMGS, and you're done. If the bit has a 1/2" shank then use the other end of the slider that shows "1/2" Dia."



If you need to measure the side of the fence to a router bit's cutting edge, press against the bottom of the slider but do not press into the 1/4" or 1/2" recess (used for locating the center of the bit).



You can also measure the dimensions of objects if they can be laid on a flat surface and fit under the crossbar of the MMGS. First, release the set screw and let the slider slip down until it touches the object. The object's height has now been measured.

