

SCOPE-TRU™ ALIGNMENT BAR

US Patent # 8745914

Listed below are **FOUR numerical parameters** that can be applied to ring height differences when mounting your scope rings

*These numbers are intended to be used only as a **general guideline** in order to help you in your installation procedure, in the unfortunate event that you might either suspect—or visually detect—a significant difference in the height of your rings.*

Between **.000 and .003** -- is **Excellent**

Between **.004 and .007** -- is **Good**

Between **.008 and .011** -- is **Acceptable**

Equal to, or **more** than **.012** -- is **Excessive and Unacceptable**

*If your rings and bases measure a total of **.012 difference—or more**: you will need a competent gunsmith to machine the base; or, you will need to purchase a shim of the correct height to bring the front and rear ring and base combinations into nearly the same height on the receiver of the rifle.*

How can you MEASURE the ring height differences on your rifle?

If you have a set of the “pointed-end” appropriate diameter scope alignment bars—or two pieces of appropriate diameter precision shaft about 5 inches long—you are set to measure the height disparity. You can also use the **Scope-Tru™** in conjunction with *one piece* of either of the above: a single “pointed-end” scope alignment bar; or, a single 5 inch long piece of appropriate diameter precision shaft.

Put the “pointed-end” scope alignment bars in the rings, so that the back—or flat ends—of the bars just about touch each other above the loading port on the rifle, and between both rings. Next, *use a straight edge that is short enough to fit between the rings, and place it along the top edge of the higher bar. If there is a gap between the straight edge and the lower bar, slide a feeler gauge into this gap and obtain an accurate reading to determine the height difference. Compare that number to the parameters given above, and you will generally know how to proceed from there.*

If using the **Scope-Tru™** in conjunction with either a piece of appropriate diameter precision shaft about 5 inches long; or, one of the “pointed-end” scope alignment bars, do the following: Put the **Scope-Tru™** into the front ring, so that the rear pointer of the tool is just above the loading port on the rifle, between the two rings. Place the other rod into the rear ring, so that the ends of each are nearly touching. *Place a short straight edge along the top edge of the higher bar, and if there is a gap between the straight edge and the lower bar, slide a feeler gauge into this gap and measure the distance. This measurement will determine a course of action, based upon the general parameters as outlined above.*