

## SCOPE-TRU™ ALIGNMENT BAR

US Patent # 8745914

### How to use the Scope-Tru™ to install standard “dovetail front / windage rear” rings

After either the single piece base—or two piece bases—have been correctly mounted to the receiver, you are then ready to install the front and rear rings into their scope mounting base, or bases.

Place the front ring with the rotary dovetail onto the rear of the **Scope-Tru™**, positioning the ring just in front the short beveled end. Tighten the ring cap screws to about 15 inch pounds of torque. Apply a small amount of resizing lubricant to the mount base, the base of the ring, and the dovetail surfaces.

### CAUTION

If the rifle has a rear iron sight: Before turning the **Scope-Tru™** the full 90 degree arc, make certain that the tool will *pass above* and *clear* the rear iron sight and blade. It may be necessary to flip the rear sight blade down, or move it to its lowest position on the elevator, or inclined ramp. In the event of installing either low, or super low rings, the **Scope-Tru™** may not *clear* the rear iron sight unless the rear iron sight has been temporarily removed from the barrel.

Put the front ring into the front base and turn the **Scope-Tru™** 90 degrees, until the pointer appears to be centered on the barrel, and so that the space on both sides of the “*reduced diameter cylinder*” behind the pointer tip are *equal* on each side of the barrel. Check the pointer from several different viewpoints to ensure that it is well centered. Loosen the front ring screws and move the tool to the rear several inches, and then lightly re-tighten the front ring cap screws until they just begin to feel snug.

Next, start the left and right windage screws into the rear base by turning each one in a couple of turns. Place the bottom half of the rear ring under the **Scope-Tru™** and onto the base—if the bottom half of this rear ring just fits nicely into place, the height alignment is usually good. Take care to position the bottom half of the rear ring so that it correctly engages each windage screw by alternately turning each screw in about ½ turn, until each one fully engages the ring mating surfaces and captures the ring. Then, install the top half of the rear ring, and tighten the ring cap screws to about 15 inch pounds of torque. Check to verify if the front pointer is centered on the barrel. For example, if the front pointer is to the left of center on the barrel, loosen the left windage screw ¼ to ½ turn, and tighten the right windage screw the same amount. Once again, check the front pointer to ensure that it is well centered on the barrel. If it is not centered, continue the process by moving the windage screws either right or left as necessary, until the front pointer is well centered on the barrel. As you are doing this, *make certain that the rear pointer of the tool is centered on either the bolt plug, the tang itself, or the groove in the tang.*

**When both pointers are well centered, carefully tighten each windage screw a slight amount on the one, and then a slight amount on the other, until about 45 inch pounds of torque is achieved on both screws.** Remove the ring cap screws, and the top of the ring halves, along with the **Scope-Tru™** tool. Mount your new scope in the rings as desired.