

# SADLAK INDUSTRIES LLC

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## IMPROVEMENTS TO THE BROOKFIELD DESIGN

Brookfield Precision Tool was the original designer and manufacturer of this type of mount known in the industry as a 3-point contact M14 scope mount. When it was first developed, it was a significant improvement over the original aluminum mounts developed by the military and has served with distinction since the late 1980s. While Brookfield Precision Tool ceased operations in the mid-1990s, the military continues to use the original Brookfield mounts from stock still remaining in their inventory, in addition to the Sadlak Industries LLC mounts and other scope mount manufacturers. What sets Sadlak Industries LLCs mounts apart from the rest are a few small but useful improvements to the original design which are listed below.

Sadlak Industries LLC makes six improvements to the original design.



Sadalak Industries LLC



Brookfield Precision Tool

### 1. INCREASED LENGTH AND ADDED TWO OUTBOARD SET SCREWS TO THE CLIP GUIDE KEY.

The outboard setscrews wedge the key into the dovetail groove of the stripper clip guide for maximum surface contact and holding power. The “locked-in” key acts as an immobile stationary “threaded nut” rather than a “floating nut” as used in the Brookfield design. This more secure “nut” allows for a better anchoring point for the mount at the stripper clip guide area that is better able to withstand the recoil forces without loosening.



Sadalak Industries LLC



Brookfield Precision Tool

### 2. SLOTTED HOLE IN MOUNT FOR CLIP GUIDE SCREW.

With the Clip Guide Key now securely wedged and locked into the dovetail groove, the elongated slotted hole allows more adjustability without sacrificing holding power and allows the screw to “find” the stationary “nut.” With the Brookfield design, it’s the other way around. The screw is confined in its hole thru the mount and the Clip Guide Key has to “rock” to properly align with the screw. The cocking of the key to align with the screw does not provide maximum surface contact with the receiver and is prone to loosening. The Brookfield design demands too much from such a small #10 socket head cap screw. It must: 1) hold the Clip Guide Key in the receiver groove to prevent it from moving; AND, 2) securely hold the mount against the receiver’s angled face. One screw cannot do both reliably, which is one reason for some of these improvements.



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Brookfield Precision Tool

Top view shown with socket screw



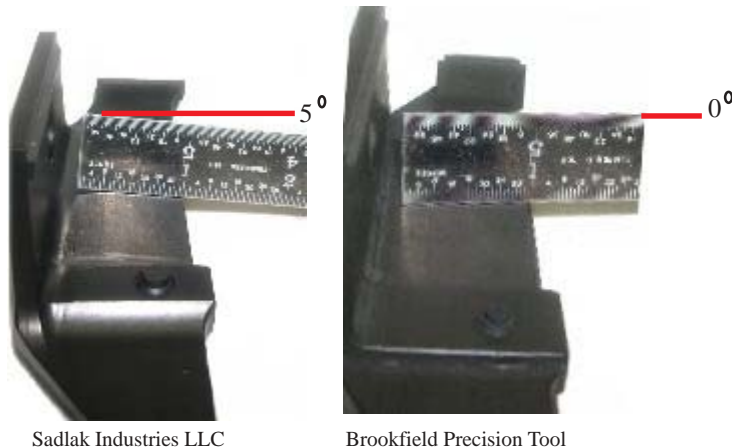
Slotted Hole



Bottom view shown without socket screw

**3. ADDED 5 DEGREE CASE DEFLECTION ANGLE ON UNDERSIDE OF MOUNT.**

This feature allows deflection of spent cartridges caused by a worn ejector parts. With worn parts, the ejected case can be thrown vertically, thereby hitting the underside of the mount and deflecting directly back down into the bolt. This can result in the case being jammed between the bolt and the chamber. This new feature greatly reduces the chances of this occurring.



**4. ADDED SEMI-CIRCLE NOTCHES TO ACCESS SET SCREWS ON CLIP GUIDE KEY.**

The two new notches on either side of the mount allows the Clip Guide Key to be tightened in the receiver groove while the mount is attached, making it a faster and a more convenient installation.



**5. INCREASED SCREW SIZE OF THIRD CONTACT POINT.**

The size of the screw that contacts the top front of the receiver was increased from 1/4-28 to 5/16-24 half-dog flat point setscrew. This gives a greater contact surface with the receiver.

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Bottom View, flat point diameter .196

Bottom View, flat point diameter .150

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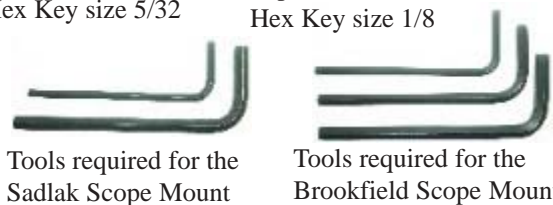


Top View Hex Key size 5/32

Top View Hex Key size 1/8

**6. ELIMINATED ONE SERVICE TOOL.**

Only two hex wrenches are required, not three, to service the mount. By increasing the size of the flat point screw, described in #5 above, it eliminated one hex wrench to make it a little more convenient for the user. One less tool to worry about. Note: a 3/8 box wrench is still required for the left-side Hex Screw.



**Using Iron Sights with a Brookfield Style Scope Mount**

Similar to the original Brookfield Precision Tool mount, the Sadlak Industries LLC mount also has a U-shaped channel thru the precision machined Picatinny rail that provides an opening under the rings to use the iron sights with the scope and rings attached (see photo to right). In addition to this feature aiding in the initial zeroing of the scope, it serves as an alternate aiming option should the scope malfunction. The U-channel is machined with a downward slope to provide a clear view even when the rear sight is elevated for longer distances.



Sadlak Titanium Scope Mount with Sadlak Titanium rings

**Other Benefits of a SADLAK INDUSTRIES LLC Scope Mount:**

In addition to the six physical improvements described above, we are the first M14 scope mount manufacturer to offer an optional custom fitting service for your Sadlak Industries LLC mount to your out-of-spec. M1A receiver. You do not need to ship your rifle to us. By using the precision ground pins contained in our Inspection Kit, you can properly inspect the receiver at home. Simply fax or email the data from your inspection to us. We will then modify your mount to fit your receiver perfectly just like on a genuine M14 government issued receiver. **Our military doesn't compromise on their equipment and now you won't have to either!**