

Torque Rod Manual

46003 rev b

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Torque Rod Overview

The Mesatac Torque Rod is a general purpose solid steel tool for AR-15 armors and hobbyists that is used in place of a vise block or receiver clamshell clamp. The Torque Rod can be used to install barrels and free float handguards onto AR-15 upper receivers as well as attach muzzle devices.

The Mesatac design features flats in the shaft for secure mounting in a vise. During use, the Torque Rod is held in place by the vise while the upper receiver and barrel extension are slid over it. A barrel nut can be torqued onto the upper receiver without of scuffing or damaging the upper receiver.



Installation

For detailed instructions on the use of the Torque Rod for securing barrel nuts, consult the manufacturer of the rifle receiver, barrel, or handguard you are working on. The following information is general.

Tools Required

Use of the Torque Rod requires a suitable barrel nut

- A vise;
- A wrench, armorers' tool or crowfoot wrench sized to the barrel nut you are working on;
- A torque wrench.

General Installation Notes

To install a barrel on an AR-15 upper receiver, first secure the Torque Rod firmly in a vise. Insert the barrel into the upper receiver with the index pin in the cut at the front of the receiver. Slide the assembly onto the end of the Torque Rod engaging the teeth of the torque rod with the barrel lugs. Then thread the barrel nut onto the receiver threads until hand tight.

Set your torque wrench at 30 ft. lbs. to begin. Using the appropriate torque wrench or crows foot wrench, tighten the barrel nut until the indicator of the torque wrench reaches 30 ft. lbs. Check alignment of the gas tube ports. Add additional torque to further install the barrel nut until the gas tube can be installed properly.

Do not exceed 80 ft. lbs. of torque to install the barrel nut.

If using anti-seize compound reduce torque to avoid over torque of the receiver/barrel nut.

Remember to attach crow foot wrench to torque wrench at ninety-degree angle to avoid over torque of the receiver/barrel nut.

It is recommended to season receiver/barrel nut threads.

The Mesatac Torque Rod can also be used with a breaker bar to remove a barrel nut or remove muzzle devise from an upper receiver.

Support and Warranty

If you have any problems or questions, please feel free to contact Mesa Tactical for assistance at 775-333-9800. Sending an e-mail to support@mesatactical.com automatically opens a support ticket.

Mesa Tactical warrants that all products are free from defective material and workmanship and, subject to the conditions set forth below, agrees to repair or replace any part of a product that proves defective by reason of improper workmanship or materials without charge for parts and labor.

In no event will Mesa Tactical be liable for damages, lost revenue, lost wages, lost savings or any other incidental or consequential damages arising from purchase, use or inability to use this product.

No express or implied warranty is made for Mesa Tactical product damaged by accidents, misuse, natural or personal disaster, or any unauthorized disassembly, repair or modification. Mesa Tactical's warranty covers only repair or replacement of defective Mesa Tactical products.

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