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PART NUMBER 46003  
REVISION 0

# INSTALLATION MANUAL



# TORQUE ROD



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## TORQUE ROD OVERVIEW

The Mesatac Torque Rod is a general purpose tool for AR-15 armors and hobbyists. It can be used to install barrels and float tube handguards onto AR-15 upper receivers.

The Mesatac design features flats in the shaft for secure mounting in a vise, so that during use the torque rod stays stationary while the upper receiver and barrel extension are slid over it. A vise block or receiver clamp is not required. A barrel nut can be torqued onto the upper receiver without scuffing or scarring 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 float tube you are working on. The following information is general.

## TOOLS REQUIRED

Use of this tool 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 (for example), secure the torque rod in a vise firmly. Insert the barrel into the upper receiver with the locator pin in the cut at the front of the receiver and 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 shows 30 ft.lbs. Check for 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.

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