SP3Rv3 BARREL NUT MOUNTING

WARNING: Make sure your firearm is UNLOADED first!!

- When using the IMRT-R upper, the black mounting nut that comes with the rail is not used, and the steel barrel nut will thread directly into the upper.
- The steel barrel nut will need a 1 1/8” crow’s foot, end wrench, or adjustable crescent wrench, and a torque wrench to fit any of these.
- The screws in the screw pack will need a T20 torx bit. The screw size is 8-32x3/8” (quantity of 8) flathead cap screws.

The SP3Rv3 rail comes with a black triangle nut with steel barrel nut threaded into it. The triangle nut threads onto the front of any standard upper. To install, back the steel nut out completely, and then thread the SP3 nut onto your upper. Place the threaded screw holes towards the muzzle end. Tighten the black mounting nut until it bottoms out or lightly contacts the dust door rod, and then back it off so that the gas tube hole is at the 11 o’clock position.

Insert the barrel into the upper and then thread the steel barrel nut into the black mounting nut. You will notice that the SP3 nut will turn when torquing the barrel in with the barrel nut. Backing the SP3 nut off 1/4 turn will help index it for proper torque of the barrel nut. Torque on the barrel nut should be a minimum of 35 ft. lbs. and a maximum of 60 ft. lbs, with the gas tube hole lining up at the 12 o’clock position. Once proper barrel torque is met, you are now able to put your SP3 rail onto your upper. It will slide onto the mounting nut with some force as the tolerances are close.

SP3Rv3 Flat sides
Depending on the SP3Rv3 rail, it will accept most manufacturers M-LOK accessories at the 3, 6, and 9 o’clock positions.

SP3Rv3 QD points
You will also notice that there are 2 QD anti-rotation attachment points on the 3, 6, and 9 o’clock positions: one close to the mounting nut the other close to the end of the rail.