



**AR MODEL 308**

## **SUPER SLIM FREE FLOAT RAIL SYSTEM**

Item No.: MTU020SSA / MTU020SSB / MTU020SSC  
& Additional Length and Color Variants

- Proudly Designed and Manufactured in the USA
- Free Floating Handguard with Proprietary Attachment Design and Extremely Compact Profile
- Super Lightweight with Top Rail in Perfect Alignment with Flat Top Receiver to Form a Continuous Picatinny Mounting Platform
- Includes 3 User Configurable 2-slot Rail Sections for 3,6 and 9 O'clock Positions
- Integral Anti-rotation Tab for Rock-solid Locking
- Slim Tubular Profile for Most Positive Handling
- Simple and User Friendly Installation



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## COMPATIBLE FIREARMS



| Product                                         | Compatible Firearms                           |
|-------------------------------------------------|-----------------------------------------------|
| MTU020SSA, MTU026SSA, all SSA and SSAD versions | ArmaLite AR10 & Variants                      |
| MTU020SSB, MTU026SSB, all SSB and SSBD versions | DPMS LR-308 & Variants                        |
| MTU020SSC, MTU026SSC, all SSC and SSCD versions | S&W M&P10, DPMS Low Profile LR-308 & Variants |

## PRODUCT FEATURES



Integral Anti-rotation Tab

Integral Anti-rotation Tabs for Rock-solid Locking

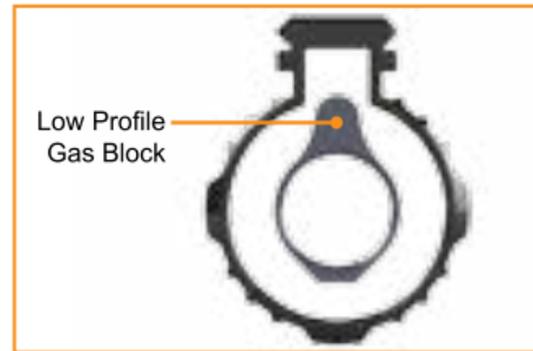


Top Rail Extends

Top Rail Perfectly Level with Flat Top Receiver



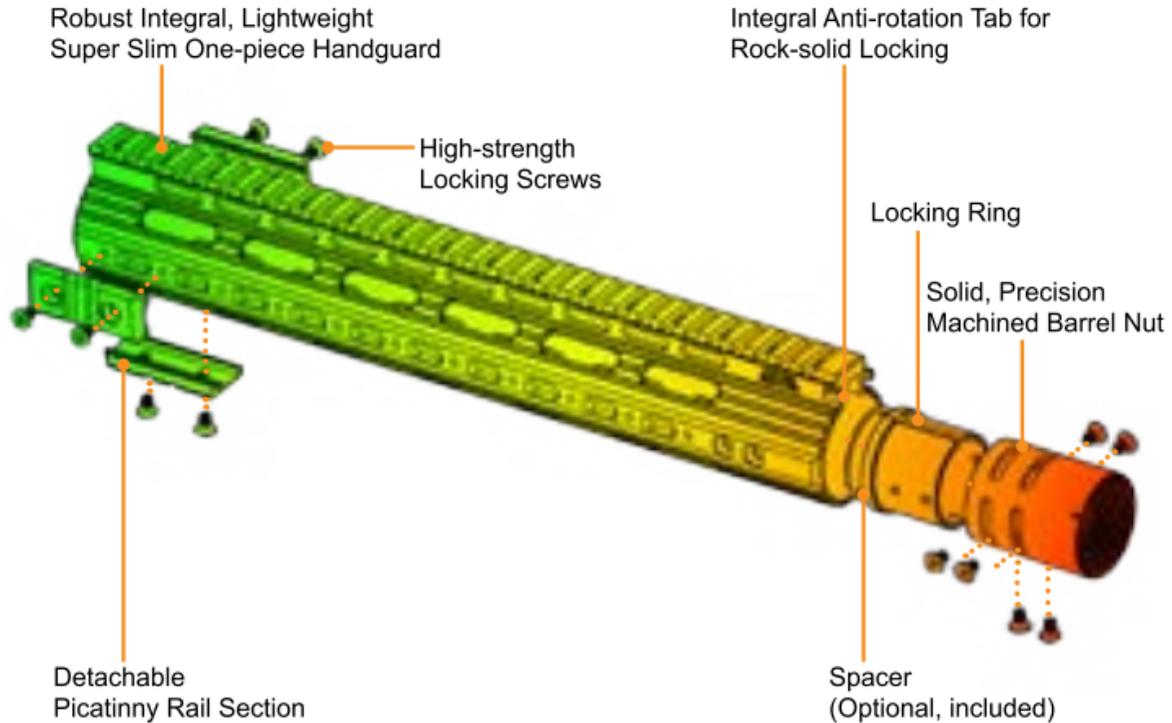
Includes 3 User Configurable 2-slot Rail Sections



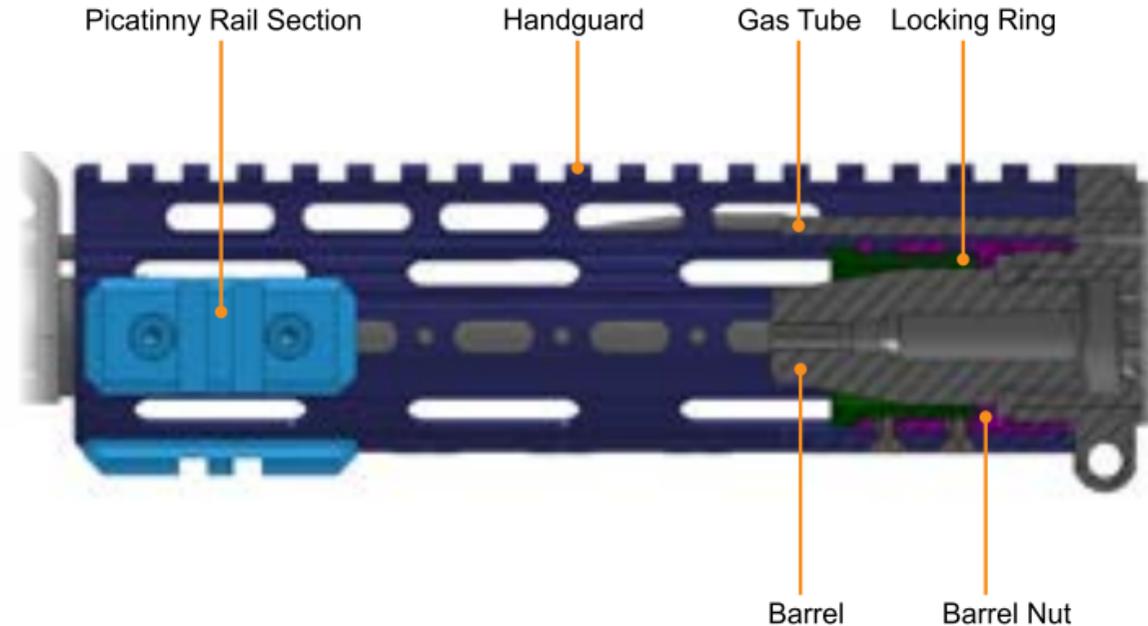
Low Profile Gas Block

Compatible with Low Profile Gas Block

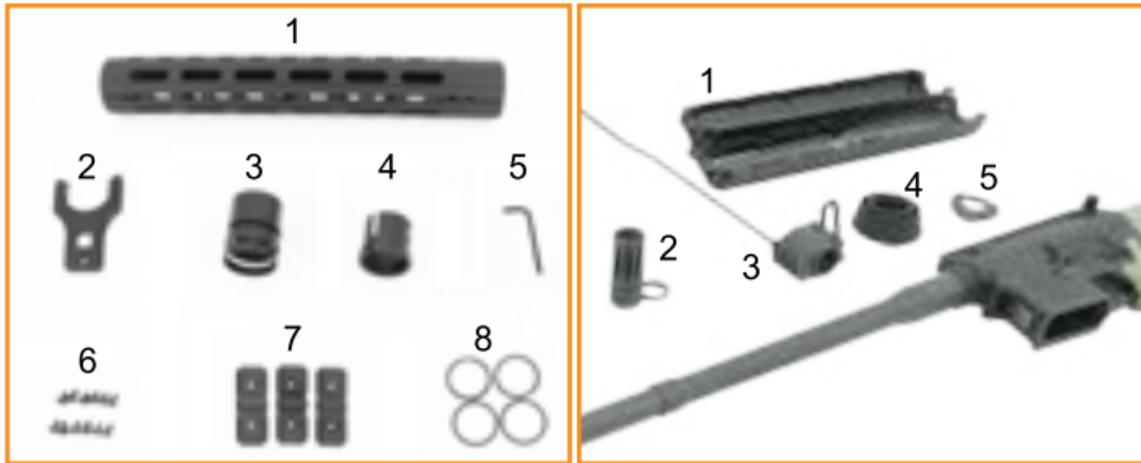
## UTG INNOVATIVE FREE FLOATING DESIGN (Patent Pending)



## AFTER INSTALLATION



**Caution:** Make sure firearm is not loaded. Remove magazine and examine chamber. Use safe handling procedures at all times.



**Parts Included:**

1. Super Slim Rail
2. Barrel Nut Wrench
3. Barrel Nut
4. Locking Ring
5. Allen Wrench
6. Barrel Nut / Rail Section Locking Screw X 16Pcs
7. 2-Slot Picatinny Rail Section X 3Pcs
9. Spacer X 4Pcs

The following parts need to be removed from your firearm before installation of this free float rail. Refer to your firearm owners manual or contact a certified gunsmith for assistance in disassembly.

1. Original Handguard
2. Muzzle Device/Crush Washer
3. Gas Block/A2 Sight Post
4. Delta Ring Assembly
5. Front Hanguard Cap

For proper installation of this product, you also need to prepare the following **necessary tools:** AR-15 combo wrench, AR-15 handguard removal tool, a hammer, a punch, AR-10 upper receiver vise block, and a vise.



After removal of all necessary parts, use the Take-down Pins on the firearms receiver to Separate the Upper and Lower Receiver.

**Caution:** Failure to use Vice Blocks designed for your specific firearm may result in damage to the Upper Receiver. Consult your firearm manufacturer for information regarding the proper sized Vice Blocks.

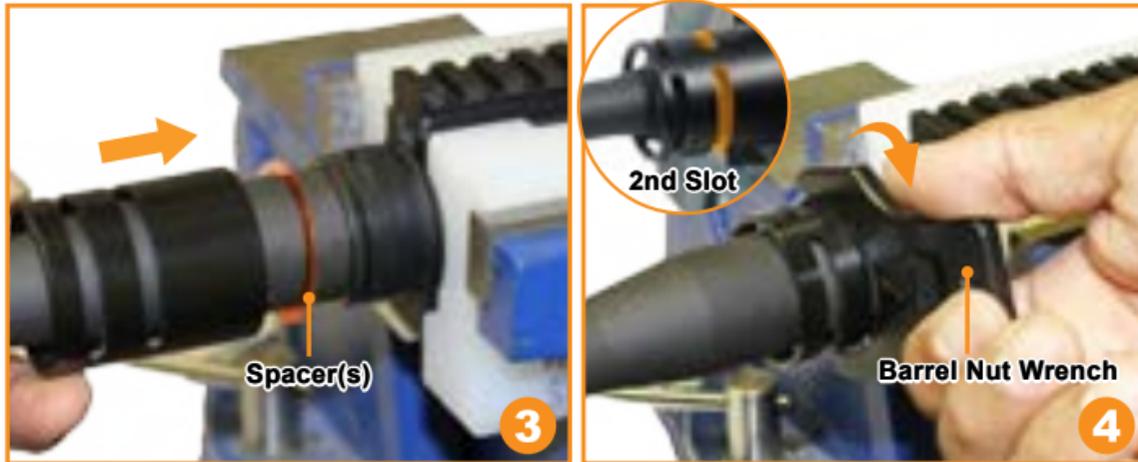


**INCORRECT**  
(SPACERS REQUIRED)

**CORRECT**



Fit the free floating Barrel Nut on the Upper Receiver and hand tighten. To test alignment, fit the handguard over the barrel and place over the Barrel Nut. Ensure the screw hole on the handguard align with the slots on the Barrel Nut. If the alignment is correct then move to step 4, if not, proceed to step 3.

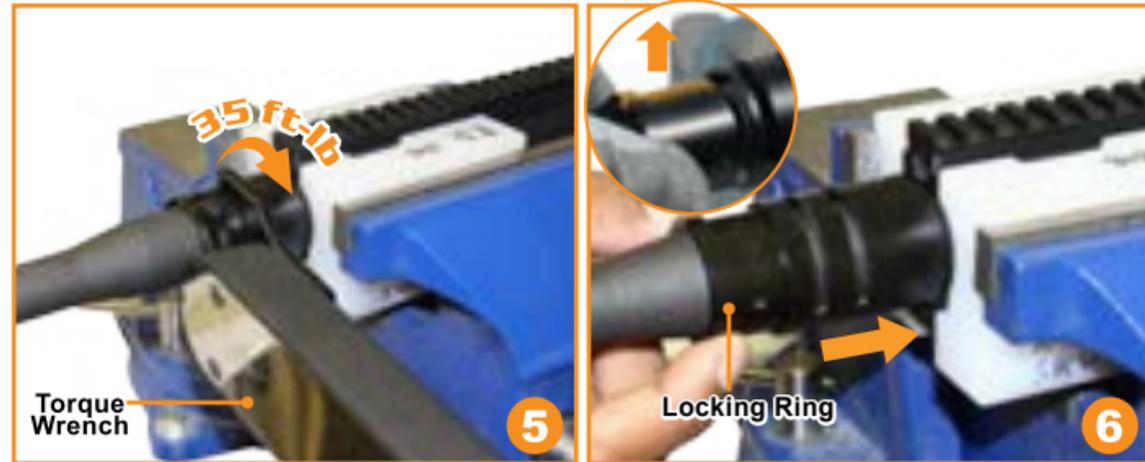


**THIS STEP IS RARELY NEEDED.**

If you cannot achieve the proper alignment, use included Spacer(s) to achieve proper alignment of the threaded holes on the handguard with the slots on the Barrel Nut.

Carefully read the yellow warning sticker on the Barrel Nut regarding which correct slot to use for installation before removing the sticker. Place the Barrel Nut Wrench in the 2nd Slot on the Barrel Nut (closer to the receiver) making sure the teeth of the Barrel Nut Wrench are fully seated into the 2nd Slot on the Barrel Nut.

**Note:** Max. torque value for installing barrel nut should not exceed 50 ft-lb.



Use the Barrel Nut Wrench to securely tighten the Barrel Nut with enough tension (**35 ft-lb**). **(We recommend using a torque wrench to achieve proper tension).**

Slide the Locking Ring into the Barrel Nut, making sure the alignment slot on the Locking Ring is vertical and facing upward.



INCORRECT

CORRECT



Make sure none of the 6 threaded screw holes on the Locking Ring are blocked by the Barrel Nut. **If necessary, refer to step 3 to install a Spacer or tighten the Barrel Nut a little further to allow access to the 6 screw holes. MAKE SURE NOT TO EXCEED 50 ft-lb OF TORQUE.**

**Caution:** Installation of a low profile gas block must occur before locking the Handguard to the barrel nut if used.



Carefully slide the handguard over the Barrel Nut/Locking Ring assembly. Make sure there is a positive connection between the top rail of the handguard and the top rail of the receiver (there should be NO gap here). If you lose the alignment of the Locking Ring, use your Allen wrench to re-align the threaded holes.

**Note:** If desired, apply a small amount of locking compound to the screws prior to tightening.



Once you achieve the proper alignment of the threaded holes on the Locking Ring to those on the handguard rail, use 6 of the Locking Screws to securely lock the handguard to the Barrel Nut/Locking Ring assembly.

- Apply **25 in-lb** of torque to secure screws
- 6 Screws: 2-left, 2-right, 2-bottom

**Note:** Re-install Front Handguard Cap, Gas Block and Muzzle Device, if desired, to complete the installation.



If you wish to add your 2-slot Detachable Picatinny Rail Sections, just fasten them to any of the available areas based on your personal preference. Use 2 locking screws and the included Allen wrench to fully secure the rail section to the handguard.

- Apply **20 in-lb** of torque to secure screws

Now your handguard is ready to install additional accessories.

**Additional Rail Sections can be purchased separately.**