

SIDEWINDER™ MUZZLE BRAKE 5.56MM

Installation Instructions

READ THIS FIRST:

Firearm safety is YOUR responsibility. You must memorize and put into practice the 4 Rules of Firearm Safety:

1. **ASSUME EVERY WEAPON IS LOADED.**
2. **KEEP YOUR FINGER OFF THE TRIGGER UNTIL YOU ARE READY TO SHOOT.**
3. **DO NOT LET THE MUZZLE POINT AT ANYTHING YOU ARE NOT WILLING TO DESTROY.**
4. **KNOW YOUR TARGET AND WHAT IS BEYOND.**

ALG Defense' new Sidewinder muzzle brake is machined from 17-4 Stainless Steel and fits 1/2"-28" threaded 5.56mm barrels. Vents angled upward at 3 and 9 o'clock deflect gas to the sides, away from the ground, reducing dust and debris signature when firing from the prone position. The vents also are larger on top than on the bottom which adds muzzle rise compensation to the ALG Sidewinder. Twin angled canards in front of the vents boost the recoil dampening effects of the Sidewinder by increasing the forward surface area while still keeping the slim, minimalistic profile of the ALG Sidewinder. The ALG Sidewinder includes a peel washer for proper timing and concentricity during installation. The ALG Sidewinder's unique design reduces muzzle rise and recoil, allowing the shooter to quickly get back on target for rapid follow up shots. Available in both polished stainless or black Nitride finish, Sidewinder is form inspired by function, a unique addition to your weapon system.

INSTALLATION INSTRUCTIONS:

1. Be certain the firearm is unloaded and the muzzle is pointed in a safe direction before starting this removal and installation process. Remove the magazine and visually inspect the chamber to verify no rounds are in the weapon.
2. Remove any existing muzzle attachment and clean the threads of your barrel.
3. Install the peel washer on to the barrel then the Sidewinder. Tighten snugly, but not forcefully with a 3/4" wrench. The desired location of the "TOP" when snugged is 11 o'clock when looking down the barrel from the muzzle end. If it is not, move on to step 3A. **If it is, move on to Step 4.**

A. Before proceeding, please review the pictures in **Figure 1 and Figure 2**. The peel washer when inspected closely, has a noticeably thicker ring than the rest of the laminations of the washer, that ring is 0.032" thick. When peeling the layers back, please begin from the opposite side of this ring. Each of the other layers are measured at 0.002" (**Figure 1**). Familiarize yourself with the process of removing layers of the washer as well as the width of each layer that is removed.

B. Using one of the supplied peel washers and a single edge razor blade, peel back one of the lamination layers one at a time by applying force on the edge of the peel washer with the razor blade (**Figure 2**) It will require some force. We have found that heating up the washer with a heat gun can help loosen the adhesive and assist in removing the layers. Test the snugged screw fit before each additional layer is removed until the "TOP" is at the 11 o'clock position, when looking down the barrel from the muzzle end.

4. Using a 3/4" wrench, tighten the Sidewinder so that the "TOP" is sitting at the 12 o'clock position. Please be cautious when tightening down the Sidewinder. It should be an easy turn to securely position the Sidewinder in the proper location. Over tightening can result in permanent damage to the barrel.



Figure 1



Figure 2A

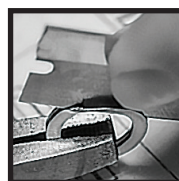


Figure 2B

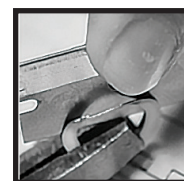


Figure 2C

Thank you for your purchase.
Contact ALG Defense with any questions.

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