



BOTNIA
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Muzzle Brake Safety Instructions and Mounting Guidelines

Mounting Instructions for the Muzzle Brake

1. Preparation:

Unload your firearm and ensure it is completely safe before proceeding with installation.

- Inspect the barrel threads and muzzle brake threads to ensure they are clean and free from debris.

2. Apply Lubricant:

- Apply a small amount of firearm-grade grease or lubricant to the threads on the barrel. This reduces friction and ensures smooth threading.
- Note: The muzzle brake is made of 316L steel, which is prone to cold welding if proper lubrication is not applied. Ensure sufficient lubricant is used to prevent this issue and facilitate easy removal in the future.

3. Thread the Brake:

- Gently thread the muzzle brake onto the barrel by hand. It should turn freely without resistance. Do not use tools or excessive force during this step.

4. Alignment:

- Once the muzzle brake is fully threaded, check its alignment with the barrel. Ensure the ports or baffles are oriented correctly according to your desired setup.
- Position one bubble level on the muzzle brake and one on the scope base or cap to help with precise indexing and alignment.

5. Secure the Brake:

- Use the self-timing nut to secure the muzzle brake in place. Tighten the nut to achieve proper alignment and secure the brake. While the brake nut is designed to withstand high torque, it is recommended not to exceed 30 Nm. Over time, carbon buildup can increase the break-off torque, making removal more difficult if overtightened.

6. Final Check:

- Confirm the brake is securely attached and properly aligned. Check for any obstructions in the bore or ports before using the firearm.

Safety Instructions for Using the Muzzle Brake

The following safety instructions are crucial for ensuring safe operation when using your muzzle brake:

1. Compatibility Check: Ensure that the muzzle brake is designed for the same caliber as your rifle. Mismatched calibers can result in severe damage to the firearm and may cause injury.

2. Alignment Verification: Always verify that the muzzle brake is properly aligned before firing. Misalignment can cause dangerous malfunctions.

3. Inspect Regularly: Periodically inspect the muzzle brake and firearm to ensure the device remains securely attached and in good condition. Check for signs of wear, damage, or corrosion.

4. Be Aware of Blast Direction: Muzzle brakes redirect gas to reduce recoil. Always be mindful of the blast direction, especially when shooting near others.

5. Use Protective Equipment:

- Always wear appropriate eye and ear protection when firing your firearm.
- Be aware that debris from manufacturing and carbon buildup can exit the brake along with the gas at any point during the brake's lifetime. Maintain a safe shooting environment to mitigate any potential risks.

6. Follow Firearm Safety Protocols: Always follow the manufacturer's safety instructions for your firearm, including proper maintenance, handling, and operation practices.

7. Do Not Modify: Do not modify the muzzle brake or attempt to use it with firearms for which it was not designed.

8. Consult a Professional: If you encounter any issues during use or suspect improper installation, consult a qualified gunsmith or contact our support team for assistance.

Limitation of Liability

Botnia Solutions and its vendor's does not accept responsibility for any misuse, improper installation, or failure to follow the instructions provided with this product. Users assume all risks associated with the use of the muzzle brake, including but not limited to damage to the firearm, personal injury, or property damage. By using this product, you agree to use it responsibly and adhere to all safety guidelines. For additional questions or support, please contact us at Info@botniasolutions.com.

Complaint and return

Returns and Warranty Policy

At Botnia Solutions, we take pride in the quality and durability of our products. To ensure your satisfaction, we offer the following policies for returns and warranties:

Lifetime Warranty

We stand behind the quality of our products, which is why we offer a lifetime warranty. If your product has a defect in materials or workmanship, we will repair or replace it at no additional cost to you. This warranty does not cover damages caused by misuse, modifications, or normal wear and tear.

Returns

We accept returns under the following conditions:

- The product must be **unused** and in its **original condition**, with no damages.
- Returns must be initiated within **14 days of purchase**.
- The original receipt or proof of purchase must be provided.

Please note:

- We **do not refund shipping costs** for returned items.
- Products that show signs of use or damage are not eligible for return.

How to Initiate a Return or Warranty Claim

To initiate a return or warranty claim, please contact us at info@botniasolutions.com with the following details:

- Your order number
- A description of the issue or reason for the return
- Photos of the product (if applicable)

We will review your request and provide further instructions on how to proceed. At Botnia Solutions, our goal is to ensure your satisfaction and provide products you can rely on for a lifetime. Thank you for choosing us!

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