

ROEDALE RASP-LOCK

Rapid Attach Safety Precision - Lock

Description

For hunters who are tired of the tedious screwing and unscrewing of the silencer, Roedale's RASP-Lock quick-mount system is the technically best and safest solution. With just three quick turns (3x360°), the silencer can be attached or detached in less than 2.5 seconds.

This system not only allows the use of one silencer for multiple firearms of the same caliber group but also the use of multiple silencers on one firearm, as well as testing and swapping different silencers on various firearms.

With the Roedale RASP-Lock system (such are also known as Quick-Mount or Quick-Lock), fast and simple attachment and detachment of the silencer with just 3 turns is possible. Moreover, thanks to a powerful 3x 360° connection surface, it offers maximum safety. Its specially developed TRS18 quick thread stands out due to its solid flanks, cross-sections, and excellent force transmission, complemented by numerous safety features. This makes it the safest and most reliable hunting quick-mount system on the market. Comprehensive examinations by TÜV Nord also confirm its outstanding resilience and reliability. Compared to conventional quick-mounts, the 3x 360° connection ensures that the silencer remains securely on the firearm even if not adequately tightened. Significantly reduced dependence on the adapter's functioning against wear ensures consistent reliability and safety.

In conclusion, this system combines the connecting force of a conventional thread with the advantages of rapid assembly and disassembly, while also ensuring consistent precision and application safety.



Characteristics of the Roedale RASP-Lock

ROEDALE: The trusted promise of quality at the highest level.

RAPID ATTACH: Only 3 turns are needed for attachment. In comparison, a conventional metric thread requires 15 to 17 turns for a silencer to be secured.

SAFETY: Roedale's RASP-Lock system offers maximum security thanks to a robust 3x 360° connection surface. Its specially developed TRS18 quick thread stands out due to its solid flanks, cross-sections, and exceptional force transmission, complemented by numerous safety features. This makes it the safest and most reliable hunting quick-mount on the market. Comprehensive tests by TÜV Nord also prove its outstanding resilience and reliability. RASP-Lock embodies robustness and safety at the highest level.

PRECISION: Thanks to the RASP-Lock, the precision and point of impact remain consistent, regardless of how often the silencer is screwed on and off. Optimal silencer centering is guaranteed by the consistent mounting position (in comparison, cut threads have at least two possible positions) and by the cone-shaped contact surface.

LOCK: A silencer screwed tightly with both hands remains securely on the firearm. This is ensured by the self-locking conical surface and the solid thread flanks. Even during prolonged firing sequences, the connection remains reliable. Moreover, the RASP-Lock provides an exceptionally high shot stress tolerance, even when mounted with just one hand, before the connection might potentially loosen (always ensure the silencer is securely fastened). Regardless of the thread type, a silencer should ideally always be screwed on tightly with both hands so that it cannot be loosened with one hand. An average person can tighten a silencer with 15 to 18Nm - the ideal torque for attaching a silencer to a firearm.



Detailed description of the adapter's functions



A: Hexagonal Key Face

- × Tool interface (SW10) for mounting/dismounting the RASP-Lock adapter.
- × The RASP-Lock adapter needs to be tightened to 25Nm and fixed to the muzzle thread using high-strength thread lock.

B: Front Spigot

- × Guides the silencer during attachment and removal, preventing the silencer from contacting the barrel surface. This ensures a smooth screwing process.
- × Prevents significant tilting in loosely attached silencers, thus minimizing the risk of bullet contact.
- × Acts as a seal to protect against thread and cone surface contamination.

C: Dirt-Catch Groove

- × Catches incoming dirt in addition to the front spigot, largely preventing contamination of the thread and cone surface.
- × Simplifies the cleaning process.

D: Quick Thread TRS18

- × The special thread designed by Roedale is characterized by its robust gears, wide flanks, and generous cross-section, ensuring high load capacity and effective power transmission. The connection becomes extremely tight and secure after just 3 turns.

E: Conical Surface

- × Designed as a self-locking cone, the torque transmission between the cone surfaces of the adapter on the barrel and in the silencer is based on static friction, ensuring a force-fit connection. The correlating cone surfaces ensure optimal silencer centering.

F: Collar

- × Serves as a contact surface and counter bearing on the rifle barrel.
- × Diameter 20.5mm - adapters from M17x1 have a diameter of 22mm.

G: Surface Finish

- × For enhanced durability, the barrel thread adapter comes with a DLC coating for minimal wear and excellent corrosion resistance.

Mounting the RASP-Lock System

SAFETY FIRST! Adhere to all safety measures! Ensure the firearm is unloaded & in a safe state!

You can mount the RASP-Lock system yourself or have it done by Roedale or a chosen gunsmith. It's crucial that the barrel thread adapter and the silencer adapter are correctly installed. If unsure, consult us or another professional.

To mount the barrel thread adapter (Part 1), use an SW10 hex socket; for the silencer adapter (Part 2), use an SW12 hex socket. Additionally, you'll need a ratchet, ideally with a torque indicator, and high-strength thread locker, such as Loctite270®, Liquimoly 3803 or similar. All required tools and materials are available at Roedale, hardware stores, or general retailers.

Proceed with the mounting process without interruption. Connections fixed with thread locker should always be fully assembled to prevent sticking in a semi-tightened state.

Mounting steps – RASP-Lock Silencer-Adapter for installation in the Silencer:

1. **SAFETY FIRST!** Ensure the silencer is free from foreign objects.
2. Degrease and clean the external thread of the RASP-Lock silencer adapter and the thread in the silencer.
3. Apply the "High Strength" thread locker to the external thread of the Silencer-Adapter.
4. Insert the adapter into the silencer, hand-screw initially, then tighten to 25Nm using the SW12 hex socket. Assistance or a rubber-jawed vice might be helpful.
5. Remove excess thread locker.
6. Allow the thread locker to dry according to the manufacturer's specifications.

Mounting steps – RASP-Lock Barrel-Adapter for installation on the muzzle thread:

1. **SAFETY FIRST!** Ensure the firearm is unloaded and safe.
2. Degrease and clean the inner thread of the RASP-Lock barrel thread adapter and the muzzle thread of the firearm.
3. Apply the "High Strength" thread locker to the muzzle thread.
4. To attach the RASP-Lock adapter to the barrel, use the SW10 hex socket in combination with a ratchet or torque wrench and tighten to 25Nm.
5. Remove excess thread locker.
6. Allow the thread locker to dry according to the manufacturer's specifications and then apply a bit of grease or oil to the adapter.
7. Attach the silencer to the rifles adapter and establish a fully screwed connection. Subsequently, visually check if the silencer's bore axis aligns with the firearm's bore axis.

Tips for use and cleaning:

- × When mounting the silencer to your firearm, the following method has proven effective: Observing all safety measures, hold the rifle stock between your feet and turn the silencer tightly with both hands. Typically, this produces a torque between 15 to 18Nm.
- × The adapters can be cleaned, for instance, with a metal-free brush (e.g., toothbrush).
- × The gap between the muzzle and hex face of the barrel thread adapter should be cleaned regularly. Small brushes (e.g., interdental brushes) are a good tip.
- × We recommend Flunatec Guncoating as a universal lubricant for the connection between barrel and silencer adapters and for silencer care. Additionally, a Metalfree paste or grease can be applied to the unglued screw connections. We recommend CRC Metalfree or Molykote P40. Copper paste or similar should not be used!
- × Do not remove the silencer from the adapter of a still-hot barrel. There's a risk of burns! Allow the barrel and silencer to cool. An open breech and vertical positioning of the firearm speed up the cooling process.

Compatibility

- × The current models from Roedale are optionally available with the RASP-Lock system.
- × Existing Roedale silencers, which are based on the thread adapter principle (M22x1.5 and M18x1), can be easily retrofitted.
- × The RASP-Lock system is compatible with many models from other manufacturers.
- × To retrofit, you only need the appropriate RASP-Lock set.
- × **Important:** Accepts a maximum bullet diameter of 9.5 mm (e.g. max. caliber .375 H&H)!

Dimensions compared to the standard thread adapter

- × Extension for M22x1.5 base: 7 mm; Extension for M18x1 base: 18 mm
- × Additional extension for threads 5/8x24, M16x1, M17x1, M18x1: 15 mm

Included in the set

- × Part 1: Barrel thread adapter (for mounting on the rifle barrel).
- × Part 2: Silencer adapter (for installation in the silencer as a receptacle for Part 1).
- × Part 3: Protective cap for Part 1.
- × Additionally, all parts can also be purchased separately.

