

ITI TAILPIPE SERIES PRODUCT MANUAL



VISIT
WWW.IRONTORCHINDUSTRIES.COM

EMAIL
SUPPORT@IRONTORCHINDUSTRIES.COM



WARNING

Read Before Installation or Use

Failure to read and follow the instructions in this manual may result in serious personal injury, death, or damage to your firearm and suppressor.

Every owner and user of this suppressor must read this manual completely before installing or operating the product. The ITI Tailpipe Series suppressor is intended for use only by individuals who are knowledgeable in the safe handling and operation of firearms.

Always follow the safety instructions provided by your firearm manufacturer.

Firearm Safety

A suppressor reduces sound and muzzle blast but does not eliminate the dangers associated with firearm use. A suppressed firearm must always be treated with the same level of care and respect as an unsuppressed firearm.

Before installing, removing, inspecting, or servicing the suppressor:

- Verify the firearm is completely unloaded.
- Open the action and visually inspect the chamber.
- Remove all ammunition from the work area.

If you are unfamiliar with the proper unloading procedure for your firearm, consult your firearm owner's manual or contact the firearm manufacturer or a qualified firearms dealer.

Suppressor Compatibility

Always verify that your suppressor model is rated for the caliber being fired.

The suppressor is engineered to reduce sound and muzzle blast along with escaping gases. The

Never use ammunition larger than the suppressor's rated caliber. Doing so may result in a baffle strike, catastrophic suppressor failure, firearm damage, and serious personal injury.

If you are unsure which suppressor model is appropriate for your firearm, contact Iron Torch Industries Customer Support before use.

Installation Safety

Before firing:

- Inspect all threads for dirt, debris, or damage.
- Verify the Bravo Direct Thread mount is fully seated against the barrel shoulder.
- Ensure the suppressor is completely threaded onto the mount.
- Confirm the suppressor is properly aligned with the firearm bore.

Never install or use a crush washer with this suppressor.

If a crush washer is currently installed with another muzzle device, it must be removed before installing the suppressor.

Avoid cross-threading during installation. Cross-threading may damage the suppressor, mounting adapter, and firearm while causing dangerous bore misalignment.

Before Firing

Always inspect the suppressor for obstructions before use. It is recommended that users purchase a suppressor alignment rod for the caliber in use.

Never fire a suppressor containing mud, dirt, cleaning patches, snow, water, or any other foreign material.

projectile does not contact the suppressor during normal operation.

Supersonic ammunition will still produce a ballistic crack as the bullet exceeds the speed of sound. This is normal and is not an indication of suppressor performance.

During Operation

Direct-thread suppressors may gradually loosen during firing due to heat and vibration.

To maintain safe operation:

- Check suppressor tightness after the first **5 rounds** fired.
- Thereafter, verify tightness every **30 rounds**.
- Stop shooting immediately if the suppressor becomes loose.
- Allow the suppressor to cool before re-tightening.
- Hand tighten firmly only. Do not use tools.

The suppressor becomes extremely hot during firing. Use caution when handling after use. A suppressor cover or heat-resistant gloves are recommended.

Heat Warning

The ITI Tailpipe Series is **semi-automatic rated**.

During continuous extended firing, monitor the barrel and suppressor.

If the barrel and/or suppressor begins to glow red or orange:

- Stop firing immediately.

- Allow the suppressor to cool naturally before resuming fire.

Continuing to fire an overheated suppressor may result in permanent damage to the suppressor, firearm, and potential personal injury.

After Shooting

Before removing the suppressor:

- Verify the firearm is unloaded.
- Open the action.
- Visually inspect the chamber.

Once removed, allow the suppressor to cool before handling.

Iron Torch Industries recommends installing a thread protector or another approved muzzle device to protect the barrel threads and muzzle crown during storage or transport.

SPECIFICATIONS

ITI Tailpipe Series

The ITI Tailpipe Series is engineered for shooters who demand lightweight construction, superior sound suppression, and exceptional durability.

Four models are available. For optimal performance, always choose the suppressor that is rated for your caliber while remaining as close to your caliber as possible without exceeding the maximum allowed caliber of the model. Never fire ammunition larger than the suppressor's maximum rated caliber.

Available Models & Maximum Rated Caliber

- **Tailpipe 23** – maximum allowed .23 caliber
- **Tailpipe 31** – maximum allowed .31 caliber
- **Tailpipe 36** – maximum allowed .36 caliber
- **Tailpipe 46** – maximum allowed .46 caliber

Each suppressor features Iron Torch Industries' patent-pending controlled-flow architecture utilizing eight vented baffles and helical gas vents to reduce back pressure while delivering outstanding sound and flash suppression.

The Tailpipe Series is compatible with Bravo-pattern direct-thread mounting systems.

Features

- Length: 7.0 in (178 mm)
 - Diameter: 1.75 in (44.5 mm)
 - Weight: 8.5 oz (241 g)
 - Grade 5 Titanium construction
 - Bravo Direct Thread mounting system
 - Eight vented baffles
 - Controlled-Flow™ technology
 - Helical gas vent design
 - Reduced back pressure
 - Enhanced flash suppression
 - Anti-loosening geometry
 - Semi-automatic rated
 - No barrel length restrictions
 - Protective Cerakote® finish
 - 100% Made in the USA
 - Limited Lifetime Guarantee
-

MOUNTING (DIRECT THREAD)

Always verify the firearm is unloaded before installing or removing the suppressor.

Select the correct suppressor model for the intended caliber.

Never fire ammunition larger than the suppressor's maximum rated caliber.

Each Model's Maximum Rated Caliber

- Tailpipe 23 – maximum allowed .23 caliber
- Tailpipe 31 – maximum allowed .31 caliber
- Tailpipe 36 – maximum allowed .36 caliber
- Tailpipe 46 – maximum allowed .46 caliber

Installation

1. Confirm the Bravo Direct Thread mount is securely installed on the firearm.
2. Inspect all barrel, mount, and suppressor threads for cleanliness and damage.
3. Align the suppressor carefully with the mounting threads.
4. Thread the suppressor onto the mount by hand until it seats firmly against the shoulder.
5. Hand tighten firmly only. Do not use tools.

Take care to avoid cross-threading. Improper thread engagement may cause suppressor misalignment and result in a dangerous baffle strike.

Because direct-thread suppressors may loosen during firing, periodically verify the suppressor remains securely tightened.

If tightening becomes necessary after firing, allow the suppressor to cool first or use a suppressor cover or heat-resistant gloves before handling.



CLEANING

Routine maintenance helps ensure long-term suppressor performance.

Iron Torch Industries recommends cleaning the suppressor every **500–600 rounds** under normal operating conditions.

The use of solid lead or plated lead ammunition is not recommended.

Before cleaning:

1. Verify the firearm is unloaded.
2. Remove the suppressor from the firearm.
3. Allow the suppressor to cool completely.

The Tailpipe Series features a one-piece Grade 5 Titanium construction. The internal baffles are not user-serviceable and should never be disassembled.

Suitable cleaning solutions include:

- Mild firearm cleaning solvents
- Ultrasonic cleaning solutions approved for titanium
- Mild dish soap

Do not use chemicals that may damage or remove the Cerakote finish.

If necessary, remove the Bravo Direct Thread adapter and thoroughly clean all threads.

Cleaning Procedure

1. Completely submerge the suppressor in an approved cleaning solution.
2. Allow it to soak for approximately 24 hours.
3. Drain the cleaning solution.
4. Use compressed air, if available, to remove any remaining solution and loosened debris.

Always wear appropriate eye protection when using compressed air.

Allow the suppressor to dry completely before reinstalling.

During your next range session, fire approximately **10–15 rounds** through the suppressor to clear any remaining loosened carbon deposits.

LIMITED LIFETIME GUARANTEE

Iron Torch Industries proudly stands behind the quality, craftsmanship, and performance of every suppressor we manufacture.

Every ITI suppressor is designed, manufactured, and assembled in the United States and is backed by our Limited Lifetime Guarantee against defects in materials and workmanship under normal use.

This guarantee does not cover damage resulting from:

- Unauthorized modifications
- Abuse or neglect
- Improper installation
- Improper maintenance
- Misuse
- Use of defective or incorrect ammunition
- Criminal or unlawful use
- Theft or loss
- Cosmetic damage that does not affect product performance
- Normal wear from use beyond the product's intended design limits

Coverage under this guarantee is determined solely by Iron Torch Industries following inspection of the suppressor.

Iron Torch Industries assumes no liability for personal injury or property damage resulting from misuse, improper installation, unauthorized modification, or failure to follow the instructions contained in this manual.

Warranty Service

To request warranty service, contact Iron Torch Industries Customer Support before shipping your suppressor.

Email: support@irontorchindustries.com

Please provide your name, suppressor model, serial number, and a description of the issue. If the suppressor qualifies for warranty service, you will receive a Warranty Return Authorization and shipping instructions.

Note: NEVER ship your ITI suppressor without first contacting ITI and obtaining authorization.
