

OWNER'S MANUAL & SAFETY INFORMATION

# RYN1 **.30 CAL**

*PLAN B MOUNT AND FLASH HIDER INCLUDED.*



**REIN IN THE NOISE.**

**ONEHORSE<sup>®</sup>**



**SUPPRESSOR SYSTEMS**



# ONEHORSE<sup>®</sup>



## **READ BEFORE USE**

Read this manual completely before installing, using, removing, cleaning, transporting, or storing your suppressor.

Improper installation, poor alignment, incorrect ammunition, or use on an incompatible firearm may result in suppressor damage, firearm damage, serious injury, or death.

## **ALWAYS:**

- Verify the firearm is unloaded before installation or removal
- Use only compatible firearms, mounts, and ammunition
- Verify suppressor alignment before firing
- Wear eye and hearing protection
- Allow the suppressor to cool before handling

## **NFA NOTICE**

This suppressor is an NFA-regulated item. Possession, transport, transfer, or shipment must comply with all applicable federal, state, and local laws.



## PRODUCT OVERVIEW

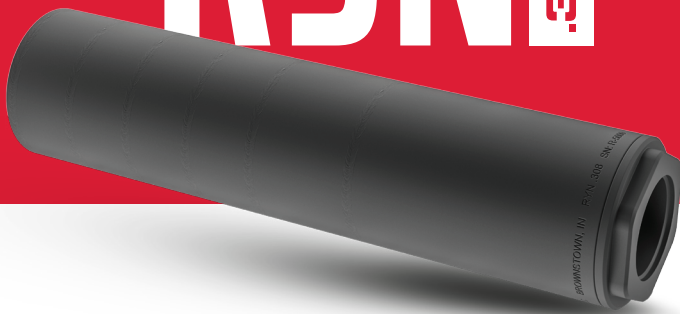
One Horse suppressors are lightweight, American-made rifle suppressors engineered to help reduce muzzle blast, flash signature, and sound exposure while maintaining durability, balance, and repeatable performance.

Built from **Grade 5 Titanium** and designed around a **1.375x24 HUB-compatible rear interface**, the One Horse suppressor lineup supports versatile mounting options across compatible host platforms.

## CURRENT MODELS

# RYN

**.30 CAL**



A multi-platform .30 caliber suppressor designed for broad caliber compatibility.

# ASHE

**5.56**



A dedicated 5.56 suppressor optimized for modern 5.56 rifle platforms.

## WHAT'S INCLUDED

Each suppressor package includes:

One Horse suppressor

OH-Hub Mount

Pike Flash Hider

The **OH-Hub Mount** is designed to pair with the **Pike Flash Hider** for secure attachment and repeatable alignment.



**SPECIFICATIONS**

	<b>RYN .30 CAL</b>	<b>ASHE 5.56</b>
SKU	<b>OH-RYN30</b>	<b>OH-ASHE556</b>
CALIBER	.30 Cal	5.56
MATERIAL	Grade 5 Titanium	
FINISH	Hard Coat Cerakote	
WEIGHT	6.4 oz	5.4 oz
LENGTH	6.7 in	6.0 in
DIAMETER	1.5 in	
REAR INTERFACE / THREAD PITCH	1.375x24 HUB	
COMPATIBLE MOUNTING OPTIONS	1/2x28 Direct, 5/8x24 Direct, Plan B	5.56, 6mm ARC
INTERNAL TESTED CALIBERS	300 Blackout, .308, 5.56, 6.5 Creedmoor, 6.5 Grendel	5.56, 6mm ARC
CALIBER RESTRICTIONS	Not rated for magnum or high-pressure calibers	
RATE OF FIRE RECOMMENDATION	Not full-auto rated	

**MOUNTING COMPONENTS**

**OH-HUB MOUNT**

The **OH-Hub Mount** is a low-profile suppressor mount designed for secure lockup and repeatable alignment.

**SPECIFICATIONS**

- Grade 5 Titanium
- 1.0 oz
- Black DLC finish
- 0.70" x 1.49"
- Torque spec: **35 ft-lbs**

**FEATURES**

- Universal HUB threading
- Low-profile design
- Minimal point-of-impact shift
- Secure, repeatable lockup
- Designed to pair with the Pike Flash Hider

**PIKE FLASH HIDER**

The **Pike Flash Hider** is designed to interface with the **OH-Hub Mount** for fast, secure suppressor attachment.

**SPECIFICATIONS**

- 4140 Hardened Steel
- Hard Coat Cerakote
- 1.75" in length
- 2.2 oz (.223 / 5.56), 1.8 oz (.30 cal)
- Thread Pitch: 1/2x28 TPI (.223 / 5.56), 5/8x24 TPI (.30 cal)
- Exit Hole: 0.369 in
- Torque spec: **20–30 ft-lbs**



## **INSTALLATION**

### **1. VERIFY FIREARM SAFETY**

Before installing any suppressor, mount, or muzzle device:

- Remove the magazine
- Open the action
- Visually and physically inspect the chamber
- Confirm the firearm is completely unloaded

Never install or remove a suppressor on a loaded firearm.

### **2. INSPECT THE HOST FIREARM**

Before installation:

- Inspect barrel threads for damage, oil, debris, carbon, or burrs
- Confirm the barrel shoulder is clean and square
- Verify the firearm is compatible with the suppressor, mount, and intended caliber

Do not proceed if thread condition or alignment is questionable.

### **BARREL SHOULDER COMPATIBILITY**

One Horse Suppressor Systems require a barrel and mounting setup that provides proper shoulder geometry so the mount can seat squarely and concentrically.

Do not install the suppressor, **OH-Hub Mount**, or **Pike Flash Hider** on a barrel that lacks the required shoulder geometry.

Barrels with tapered shoulders are not supported unless an approved adapter or taper cap is installed to create the proper shoulder for the mounting system.

Improper shoulder geometry may cause misalignment, suppressor damage, firearm damage, serious injury, or death. Always verify bore alignment before firing.

### **3. INSTALL THE PIKE FLASH HIDER**

- Confirm the barrel threads and shoulder are clean and free of debris
- Hand-thread the Pike Flash Hider until hand-tight
- Confirm it rotates freely without cross-threading
- Tighten using a 13/16 in wrench
- Torque to **20–30 ft. lbs**

Do not exceed recommended torque.

### **4. INSTALL THE OH-HUB MOUNT**

- Thread the **OH-Hub Mount** into the suppressor's rear HUB interface
- Tighten using a 11/4 in wrench or approved tool
- Torque to **35 ft-lbs**



## 5. ATTACH THE SUPPRESSOR

- Attach the suppressor using the **OH-Hub Mount** and **Pike Flash Hider** interface, or other approved direct-thread interface if applicable
- Seat the suppressor fully against the mating surface
- Hand-tighten according to the mounting system's design
- Never force the suppressor into place

Stop immediately if the suppressor does not thread smoothly or seat fully.

## 6. VERIFY ALIGNMENT BEFORE FIRING

Before live fire on any new host/mount/suppressor setup:

- Confirm the suppressor is fully seated
- Verify thread engagement is smooth and complete
- Verify bore alignment before firing

If alignment is uncertain, do not fire. Consult a qualified gunsmith.

## 7. CHECK TIGHTNESS DURING USE

During firing sessions:

- Periodically confirm the suppressor remains secure
- Stop immediately if the suppressor loosens, shifts, or sounds abnormal
- Remove from service if damage or a strike is suspected

## ***AMMUNITION & USE LIMITS***

Use only quality ammunition appropriate for both the firearm and suppressor.

### **RYN .30 CAL**

- Not rated for magnum calibers
- Not rated for high-pressure calibers
- Not full-auto rated

### **ASHE 5.56**

- Not rated for magnum or high-pressure calibers
- Not full-auto rated

Use only with approved host firearms and compatible mounting systems.



## PERFORMANCE

Suppressor performance varies depending on barrel length, host firearm, caliber, ammunition, mount type, environmental conditions, and test protocol.

### RYN .30 CAL VERIFIED TEST DATA

HOST	CALIBER	AMMO	MOUNT	MUZZLE (DB)	EAR (DB)	MUZZLE REDUCTION	EAR REDUCTION
20" Rifle Unsuppressed	.308	Super	Direct Thread	172.3	158.7	NA	NA
20" Rifle Suppressed	.308	Super	Direct Thread	148.8	139.0	23.6 dB	19.8 dB
8" Pistol Unsuppressed	300 Blackout	Super	Direct Thread	169.5	163.4	NA	NA
8" Pistol Suppressed	300 Blackout	Super	Direct Thread	148.9	138.2	20.6 dB	25.1 dB
8" Pistol Unsuppressed	300 Blackout	Sub	Direct Thread	166.3	161.8	NA	NA

### ASHE 5.56 VERIFIED TEST DATA

TEST SETUP	UNSUPPRESSED MUZZLE	SUPPRESSED MUZZLE	MUZZLE REDUCTION	UNSUPPRESSED EAR	SUPPRESSED EAR	EAR REDUCTION
10.3" Carbine 5.56 Super	171.4 dB	147.9 dB	23.5 dB	166.7 dB	145.5 dB	21.2 dB
14.5" Carbine 5.56 Super	170.6 dB	146.4 dB	24.2 dB	162.7 dB	144.0 dB	18.7 dB

### IMPORTANT

Suppressors reduce sound exposure, but they do not eliminate all report or impulse noise. Always wear hearing protection.



## **CLEANING & MAINTENANCE**

Before handling, ensure the suppressor has cooled fully.

### **HEAT PROTECTION RECOMMENDATION**

To help prevent accidental burns, use a **compatible suppressor heat guard** and **heat-resistant gloves** when handling a recently fired suppressor.

Ensure the heat guard is correctly sized and used within the manufacturer's stated temperature and firing-rate limits. A heat guard may also help reduce heat mirage and incidental heat transfer to gear.

### **ROUTINE MAINTENANCE**

- Remove carbon buildup from threads and mounting surfaces
- Inspect internal and external surfaces for visible damage
- Inspect mounts, muzzle devices, and tapers for wear or debris
- Confirm all mating surfaces are clean before installation

### **INTERNAL CLEANING**

Carbon and fouling inside the suppressor may be cleaned using a **suppressor-safe immersion cleaner or carbon solvent tank**, provided the cleaning solution is verified as compatible with the suppressor's materials and finish.

Follow the cleaner manufacturer's instructions for soak time, rinsing, drying, and post-cleaning handling. Do not use any cleaning method that may damage titanium, Cerakote, threads, or mounting surfaces.

If compatibility with the suppressor finish is unknown, test in a small area or contact One Horse before use.

### **APPROVED CLEANING METHOD**

A suppressor-safe immersion cleaner may be used to help loosen internal carbon buildup on the suppressor interior and baffle surfaces.

Always confirm chemical compatibility with titanium and Cerakote-finished components before extended soaking. Avoid aggressive cleaning methods or any tool that may damage threads, bore surfaces, or alignment features.

### **CARBON LOCK PREVENTION**

To help reduce carbon lock:

- Keep all mount threads, tapers, and interface surfaces clean
- Periodically inspect and clean the suppressor mounting surfaces and mating muzzle device
- Apply a **small amount of high-temperature anti-seize** to approved threaded interface areas when appropriate

Do not over-apply lubricant or anti-seize

Do not allow excess compound to enter the bore path or other critical alignment surfaces

Keep any moving interface area clean and lightly lubricated as appropriate for the mounting system design



## **IMPORTANT CLEANING NOTE**

Not all suppressors, finishes, or mount systems tolerate the same cleaning methods. Do not use ultrasonic cleaning, immersion cleaning, or aggressive solvents unless the method is confirmed compatible with the suppressor's materials, finish, and construction.

## **REMOVE FROM SERVICE IF:**

- The suppressor becomes loose during firing
- You suspect a strike or misalignment
- The suppressor shows cracking, bulging, or deformation
- Thread damage prevents smooth installation

Do not attempt unauthorized modification or disassembly.

## ***SAFETY WARNINGS***

### **HOT SURFACE**

Suppressors become extremely hot during and after firing. Contact may cause severe burns. Allow adequate cooling time before handling.

### **USE ONLY CORRECT AMMUNITION**

Use only the correct caliber and compatible ammunition for both the suppressor and firearm. Improper ammunition may damage the suppressor or firearm and may result in injury.

### **VERIFY ALIGNMENT BEFORE FIRING**

Improper threading, damaged barrel shoulders, poor concentricity, debris, or incompatible mounts may cause baffle strikes or end-cap strikes.

### **BARREL SHOULDER COMPATIBILITY**

One Horse Suppressor Systems are compatible only with barrels and mounting setups that provide proper shoulder geometry for safe mount seating and alignment. Do not use on tapered-shoulder barrels unless an approved adapter or taper cap is installed to create the proper shoulder.

Failure to use the correct shoulder geometry may result in baffle strikes, firearm damage, suppressor damage, serious injury, or death.

### **EYE AND HEARING PROTECTION REQUIRED**

Suppressors reduce sound but do not eliminate it. Always wear appropriate eye and hearing protection.

### **UNLOAD FIREARM BEFORE INSTALLATION OR REMOVAL**

Always verify the firearm is unloaded before installing, removing, or inspecting the suppressor, mount, or muzzle device.

### **REMOVE FROM SERVICE IF DAMAGED**

Do not continue use if the suppressor loosens, becomes misaligned, or shows signs of damage.

### **NFA REGULATED ITEM**

Suppressors are regulated items. Possession, transfer, and shipment must comply with all applicable laws.



## **WARRANTY & REPAIR**

### **ONE HORSE SUPPRESSORS ARE COVERED BY A LIMITED WARRANTY AGAINST MANUFACTURING DEFECTS FOR THE ORIGINAL RETAIL PURCHASER.**

This warranty applies to defects in materials and workmanship when the suppressor is used under normal, intended conditions with compatible firearms, proper mounting systems, restricted barrel lengths, and ammunition meeting **SAAMI and/or NATO specifications**.

#### **THIS WARRANTY DOES NOT COVER:**

- Normal wear
- Cosmetic finish wear
- Erosion from use or heat
- Damage caused by improper installation
- Damage caused by misalignment
- Improper or out-of-spec ammunition
- Unauthorized modification or disassembly
- Improper cleaning methods
- Corrosion, neglect, or abuse
- Use of excluded mounting systems

#### **EXCLUDED MOUNTING SYSTEMS**

Dead Air KeyMo and compatible KeyMo-style mounts are excluded from warranty coverage.

#### **SERVICE INSTRUCTIONS**

**DO NOT** ship a suppressor without prior authorization.

**For service or warranty support, contact:** [CustomerService@theonehorse.com](mailto:CustomerService@theonehorse.com)

Include:

- Suppressor serial number
- Proof of original purchase
- Description of the issue
- Relevant host, mount, and ammunition details

Because the suppressor is an NFA-regulated item, unauthorized shipment may violate federal law.

## **SUPPORT**

For current support information, warranty assistance, compatibility questions, and service authorization, contact One Horse customer support through the official website or by email at:

[CustomerService@theonehorse.com](mailto:CustomerService@theonehorse.com)

