

## Vortex CM-404

# Vortex Optics Precision Quick-Release Extended Cantilever 30mm Riflescope Mount

**MODEL: CM-404**

**Brand: Vortex**

## 1. INTRODUCTION

The Vortex Optics Precision Quick-Release Extended Cantilever 30mm Riflescope Mount is engineered for optimal performance and durability. This mount is specifically designed to securely attach telescopic sights with 30mm tubes to a rifle, providing a forward offset that ensures proper eye relief and head placement for the shooter. Constructed from high-grade 6061 T6 aluminum through precision CNC machining, it features a robust hard coat type 3 mil-spec anodized black finish for lasting resilience. Weighing 8.9 ounces, this mount is proudly made in the USA, reflecting a commitment to quality and precision.



Figure 1: Front view of the Vortex Optics Precision Quick-Release Extended Cantilever 30mm Riflescope Mount.

## 2. SETUP AND INSTALLATION

Proper installation of your cantilever mount is crucial for maintaining accuracy and reliability. This mount is designed to position the center of the riflescope tube at a height of 1.45 inches (37 mm) from the top surface of the Picatinny base.

### 2.1 Mounting the Mount to the Firearm

1. Ensure the firearm is unloaded and safe.
2. Place the mount onto the Picatinny rail of your firearm. It is essential to position the mount onto the firearm first before attempting to adjust tension.
3. To adjust the quick-release tension, open both quick-release levers.
4. Push down on the quick-release side with the springs until it bottoms out in the mount. This will expose the threaded nut on the opposite side.
5. Carefully rotate the exposed nut using your fingernail. Do not use a screwdriver, as this can mar the nut. Turn the nut one flat surface at a time to make small adjustments.
6. After a few turns, try to flip the quick-release levers to engage the mount. Ensure it is good and tight on the firearm. Repeat adjustment if necessary until a secure fit is achieved.

### 2.2 Mounting the Riflescope to the Mount

Once the mount is securely attached to the firearm, proceed with mounting your 30mm riflescope.

1. Place the riflescope into the rings of the cantilever mount.
2. Ensure the riflescope is level and positioned for optimal eye relief.
3. Tighten the ring screws evenly using the provided T-25 Wrench. The recommended torque for the ring screws is 15-18 inch-pounds (in/lbs). Overtightening can damage the scope tube.



Figure 2: The cantilever mount with a riflescope attached to a firearm, demonstrating proper eye relief.

## PRECISION QRX (CM-404)

WEIGHT: 8.9 OZ

RING TORQUE: 15-18"/LBS

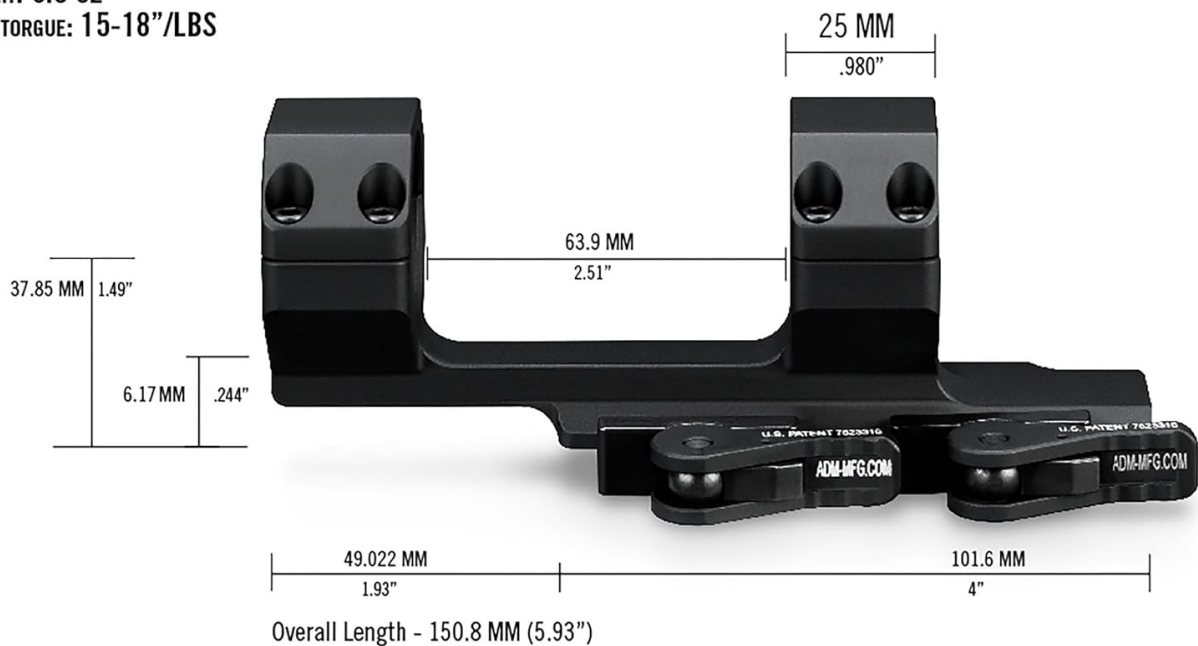


Figure 3: Detailed dimensions and recommended ring torque for the Precision Quick-Release Extended Cantilever Mount.

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Video 1: An overview of Vortex Optics Cantilever Mounts, including details on the quick-release mechanism and its benefits for switching optics between multiple firearms.

## 3. OPERATING THE QUICK-RELEASE FEATURE

The quick-release levers on this mount provide a convenient way to rapidly attach and detach your riflescope and mount assembly from various firearms. This feature is particularly useful for users who wish to utilize a single optic across multiple platforms without needing to re-zero each time, provided the mount is properly adjusted for tension.

To engage or disengage the mount, simply manipulate the quick-release levers. Ensure the levers are fully closed for a secure lock and fully open for removal. The precision engineering of the mount ensures consistent return-to-zero capability when re-attaching to a properly dimensioned Picatinny rail.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your Vortex Optics Precision Quick-Release Extended Cantilever Mount, regular maintenance is recommended:

- **Cleaning:** Wipe down the mount with a clean, dry cloth after each use to remove dirt, dust, and debris. For stubborn residue, a slightly damp cloth can be used, followed by immediate drying. The hard coat anodized finish is durable; minor marks can often be wiped away.
- **Inspection:** Periodically inspect all screws and the quick-release levers for tightness and proper function. Ensure no components are loose or damaged.
- **Lubrication:** The quick-release mechanism may benefit from a very light application of a high-quality, non-corrosive lubricant on its moving parts if operation becomes stiff. Avoid over-lubricating.
- **Storage:** Store the mount in a clean, dry environment when not in use to prevent corrosion and damage.

## 5. TROUBLESHOOTING

While the Vortex Optics Precision Quick-Release Extended Cantilever Mount is designed for reliability, some common issues can arise during initial setup or prolonged use:

- **Mount Not Securing Tightly to Rail:** If the mount feels loose on the Picatinny rail even after engaging the quick-release levers, the tension nut likely needs adjustment. Refer to Section 2.1, "Mounting the Mount to the Firearm," for detailed instructions on how to properly adjust the tension. Remember to push down on the quick-release levers to expose the adjustment nut.
- **Difficulty Engaging/Disengaging Levers:** If the quick-release levers are excessively stiff or difficult to operate, ensure no debris is obstructing the mechanism. A very light application of lubricant on the pivot points of the levers may help. If the levers are too loose, the tension nut may need to be tightened slightly.
- **Scope Slipping in Rings:** If your riflescope is moving within the rings, the ring screws may not be torqued correctly. Ensure the ring screws are tightened to the recommended 15-18 in/lbs using a torque wrench (or the provided T-25 wrench with careful attention to tightness). Ensure the scope tube and inside of the rings are clean and free of oil or grease.

## 6. SPECIFICATIONS

Brand	Vortex
Model Name	Precision Quick-Release Extended Cantilever Riflescope Mount
Part Number	CM-404
UPC	875874007048
Color	Black
Style	Extended Cantilever
Sport	Hunting, Shooting
Item Weight	8.9 Ounces
Material	Aluminum (6061 T6)
Compatible Devices	Rifle
Mounting Type	Cantilever Mount
Ring Diameter	30mm

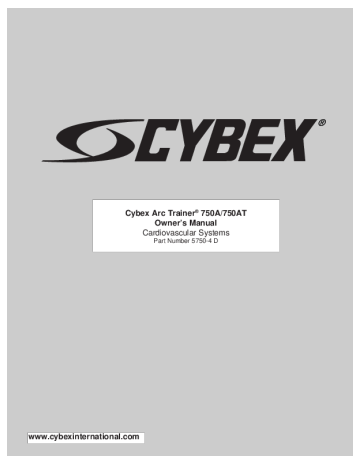
Offset	2-Inch (forward)
Center Height	1.45 inches (37 mm) from Picatinny base
Ring Torque	15-18 in/lbs
Manufacturer	Vortex Optics
Item Dimensions (LxWxH)	7.8 x 3.3 x 2.3 inches
Included Components	Cantilever mount, Hardware, T-25 Wrench

## 7. WARRANTY AND SUPPORT

The Vortex Optics Precision Quick-Release Extended Cantilever Mount is backed by Vortex's unlimited, unconditional, lifetime VIP Warranty. This is a fully transferable promise to repair or replace your item if it becomes damaged or defective. Please note that this warranty does not cover loss, theft, deliberate damage, or cosmetic damage that does not hinder performance.

For warranty claims, technical support, or additional product information, please visit the official Vortex Optics website or contact their customer service directly. You can also explore more products and resources at the [Vortex Store on Amazon](#).

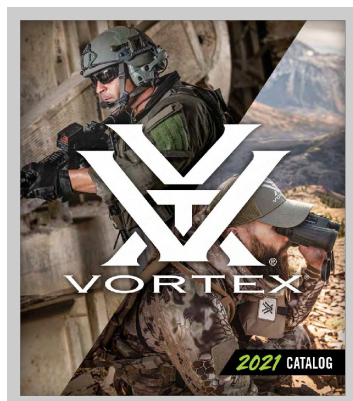
Documents - Vortex – CM-404



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 placement when used on an AR-15. 30mm 1.45 **CM-404** PRECISION EXTENDED  
 CANTILEVER MOUNT The options, and precise machining, you need to get that...  
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