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.

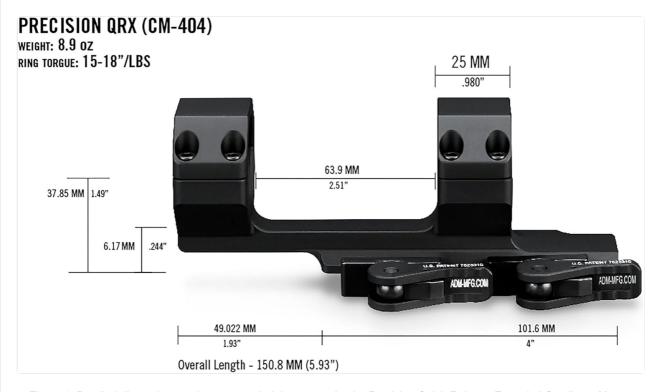


Figure 3: Detailed dimensions and recommended ring torque for the Precision Quick-Release Extended Cantilever Mount.

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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

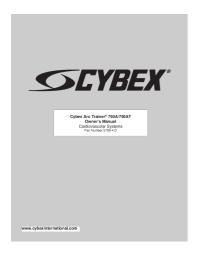
Offset	2-Inch (forward)
Center Height	1.45 inches (37 mm) from Picatinny base
Ring Torque	15-18 in/lbs
Manufacturer	Vortex Optics
Item Dimensions (LxWxH)	7.8 x 3.3 x 2.3 inches
Included Components	Cantilever mount, Hardware, T-25 Wrench

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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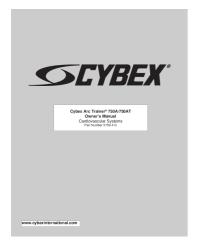


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TABLE OF CONTENTS VORTEXOPTICS.COM 2 TABLE OF CONTENTS
RIFLESCOPES 25 Razor HD Gen III 26 Razo ... forward location, providing correct
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[pdf] User Manual Owner's Manual

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5 KU	QTY	DESCRIPTION	NEW	MSR
		RIFLESCOPES		
		RAZORS HD GEN III		
RZR-63602	\neg	Rezorti HD Gen III 6-36x56 FFP EBR-7D MRAD		\$4,799.
RZR-63601		Rezorti HD Gen III 6-36x56 FFP EBR-7D MOA		\$4,799.
RZR-11002		Razor® HD Gen III 1-10x24 FFP EBR-9 MRAD		\$3,999.
RZR-11001		Rezorb HD Gen III 1-10x24 FFP EBR-9 MOA		\$3,999.
		RAZORE HD GEN II		
RZR-42710		Razor® HD Gen II 4.5-27x56 FFP Tremor 3 MRAD		\$4,499.
RZTR-62709		Rezorti HD Gen II 4.5-27x56 FFP H59 MRAD		\$4,499.
RZR-42708		Rezor® HD Gen II 4.5-27x56 FFP EBR-7C MRAD		\$3,999.
RZR-42707		Rezor® HD Gen II 4.5-27x56 FFP EBR-7C MOA		\$3,999.
		RAZOR® HD GEN II-E		
RZR-16009		Razor® HD Gen II-E 1 6x24 SFP VMR-2 MRAD		\$2,399.
		Rezor® HD Gen IHE 1-6x24 SFP VMR-2 MOA		\$2,399.
R274-16008		Razor® HD Gen IFE 1-6x24 SFP JM-1 BDC		\$2,300.
		RAZORS HD LHT**		
RZTR-42202		Report LHT™ 4.5-22x50 FFP XLR-2 MRAD		\$2,199.
RZR-42301		Rezor® LHT™ 4.5-22x50 FFP XLR-2 MOA		\$2,199.
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R27R-31502		Rezorti HD LHT** 3-15s42 SFP HSR-51MRAD		\$1,899.
R27R-31501		Rezor® HD LHT™ 3-15s42 SFP HSR-51MOA		\$1,899.
		GOLDEN EAGLE® HD		
TC8-1503		Golden Eagle® HD 15-60x52 ECR-1 SFP MOA		\$2,799.
TC8-1501		Golden EagleS HD 15-60x52 SCR-1 SFP MOA		\$2,799.
		VIPER® PST™ GEN II		
PST-5259		Vipexti PST™ Gen II 5-25x50 FFP EBR-7 C MRAD		\$1,499.
PST-5256		Vipex9 PST™ Gen II 5-25x50 FFP EBR-7 C MOA		\$1,499.
PST-5251		Viperti PST™ Gen II 5-25x50 SFP EBR-4 MOA		\$1,349.
PST-3159		Vipexti PST™ Gen II 3-15 el-4 PFP EBR-7 C MRAD		\$1,349.
PST-3156		Vipex8 PST™ Gen II 3-15x44 FFP EBR-7 C MOA		\$1,349.
PST-3151		VipedDPST™ Gen II 3-15x64 SFP EBR-4 MOA		\$1,199.
PST-2105		Viper® PST™ Gen II 2-10x32 FFP EBR-4 MRAD		\$1,129.
		Viped0 PST™ Gen II 2-10x32 FFP EBR-4 MOA		\$1,129
PST-1607		Viperti PST™ Gen II 1-6x24 SFP VMR-2 MRAD		\$800.5
PST-1605		Viper® PST™ Gen II 1-6x24 SFP VMR-2 MOA		\$899.5
		VIPEROHD		_
VPR-52502		ViperO HD 5-25x50 FFP VMR-4 MRAD		\$1,299.
VPR-52501		Violeto HD 5-25x50 FFP VMR-4 MOA		\$1,399
VPR-52504		ViperB HD 5-25x50 SFP VMR-3 MRAD		\$1,299.
VPR-52503		ViperO HD 5-25150 SFP VMR-3 MOA		\$1,299.
VPR-31503		ViperSHD 3-15H44 SFP VMR-3 MRAD		\$1,049.
VPR-31502		ViperDHD 3-15MH SFP VMR-3 MDA		\$1,049.
VPB-31501		Viger® HD 3-15 e44 SFP Dead Hold BDC MOA		\$999.5
VPR-21001		Vicero HD 2-10as2 SEP Dead-Hold RDC MOA		\$899.5
		VIPERO		
VPR-MOSMD	$\overline{}$	Viper0-6.5-20x50 SFP MI Dot MOA	-	\$600.5
VPR-MOSRDC		VipedD-6.5-20x50 SEP BDC MOA		\$609.5
		STRIKE EAGLED		
SE 62504	$\overline{}$	Stilke EagleS 5-25x56 FFP EBR-7C MRAD	$\overline{}$	\$1,149.
SE-62503		Stake Eagleti 5-25x56 FFP EBR-7C MOA		\$1,549.
SE-31602		Stake Eagleti 3-18x44 FFP EBR-7C MRAD		\$1,099.
SE-31801		Stake Eagle® 3-18x44 FFP EBR-7C MOA		\$1,099
SE-1801	-	Stake Eagleti 1-6x24 FFP EBR-6 MOA	_	\$600.0

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SKU RZR-63602 RZR-63601 RZR-11002 RZR-11001 RZR-42710 RZR-42709 RZR-42708 RZR-42707 RZR-16009 RZR-16 ... 99 119.99 119.99 119.99 SKU PR30-L PR1-M PR1-L 30MRNG-H 30MRNG-M 30MRNG-L RING-H RING-M RING-L **CM-404** CM-534 CM-534-20 CM-530 CM-530-20 PMR-DB-30 PMR-DB-34 CVP-34 CVP-30 CVP-1 SCM-30-150 SCM-01-1...

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SKU DESCRIPTION RIFLESCOPES Razor HD Gen III RZR-63602 Razor HD Gen III 6-36x56 FFP EBR-7D MRAD ... 1 Rings Med - .87 RING-L Hunter 1 Rings Low - .63 Cantilever Mount Precision Quick-Release **CM-404** Precision QR Extended 30mm Cantilever Mount - 1.45 Cantilever Mount Precision Extended CM...

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