Leupold® Dual-Enhanced View Optic (D-EVO™)

Mounting & Operation Instructions

Operating Instructions

For optimum performance and to prevent damage to this precision instrument, carefully follow all instructions.

Features

- DiamondCoat™2, scratch resistant lenses for maximum brightness, and resolution
- Extremely durable ultra-light aluminum housing
- 0.1 milliradian (mil) per click elevation/windage adjustments
- Wide field-of-view
- Waterproof to 66ft, fogproof, and shockproof

Specifications

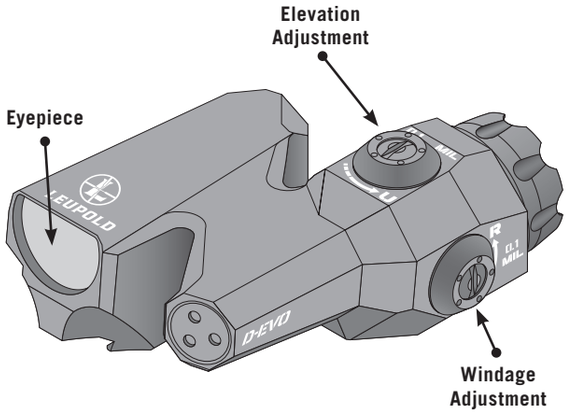
- Magnification: 6.0x
- Elevation adjustment range: 50 MOA
- Windage adjustment range: 50 MOA
- 6 mil or 21.6 MOA per revolution of adjustment
- Operating Temperature Range: -20°F to +120°F (-29°C to +49°C)
- Storage Temperature Range: -40˚F to +160˚F (-40˚C to +71˚C)
- Dimensions: (LxWxH) 4.6" x 3.3" x 2.0" (11.7cm x 8.4cm x 5.1cm)
- Weight: 13.8oz. (391g)

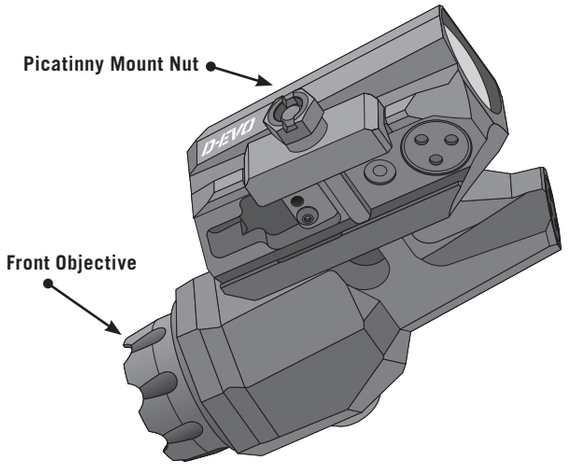
Package Contents

- Dual-Enhanced View Optic (D-EVO) 6x20mm Scope
- Operating Instructions

Cautions & Warnings:

Check to ensure that the magazine of the firearm has been removed or emptied, that the action is open, and that there is not a round in the chamber. Only after double checking the firearm, and verifying it is empty and safe, should you proceed with the installation of the Leupold D-EVO. Do not look directly into the sun, light arcs or other high-intensity light sources. Keep away from children.





Installing the D-EVO 6x20mm on a Flat-Top Picatinny Mounting Rail

1. Place the Leupold D-EVO 6x20mm scope atop the Picatinny mounting rail so that the recoil lug engages the cross slot of the rail.
   Note: Leupold recommends initial positioning of the D-EVO in the T1 slot of the Picatinny rail.
2. Finger tighten the keeper nut to hold the scope in place, check the eye relief of the scope; adjust the position of the scope as necessary until a full sight picture is achieved when the firearm is shouldered.
3. Make certain that the recoil lug engages the mounting rail cross slots and that the base rails hook over each side of the mounting rail.
4. When properly positioned, press down and forward to ensure a solid mount engagement, finger tighten the hex nut of the base until the assembly is snug.
5. Using a 1/2-inch hex wrench or socket, tighten the keeper nut to 65 in-lbs. (The use of the Mark 4 Torque Wrench is recommended for this procedure.)

NOTE: The windage and elevation adjustments on new Leupold scopes are centered as part of the assembly process. If you are mounting a scope that was previously mounted on another rifle, you should center the adjustments.

Making Precise Elevation and Windage Adjustments

The Leupold D-EVO windage and elevation adjustments are 0.1 milliradian (approximately 1/3 MOA) per click. To move the point of impact up, rotate the elevation adjustment counterclockwise. To move the point of impact down, rotate the adjustment clockwise. To move the point of impact to the right, rotate the windage adjustment counterclockwise. To move the point of impact to the left, rotate the adjustment clockwise.

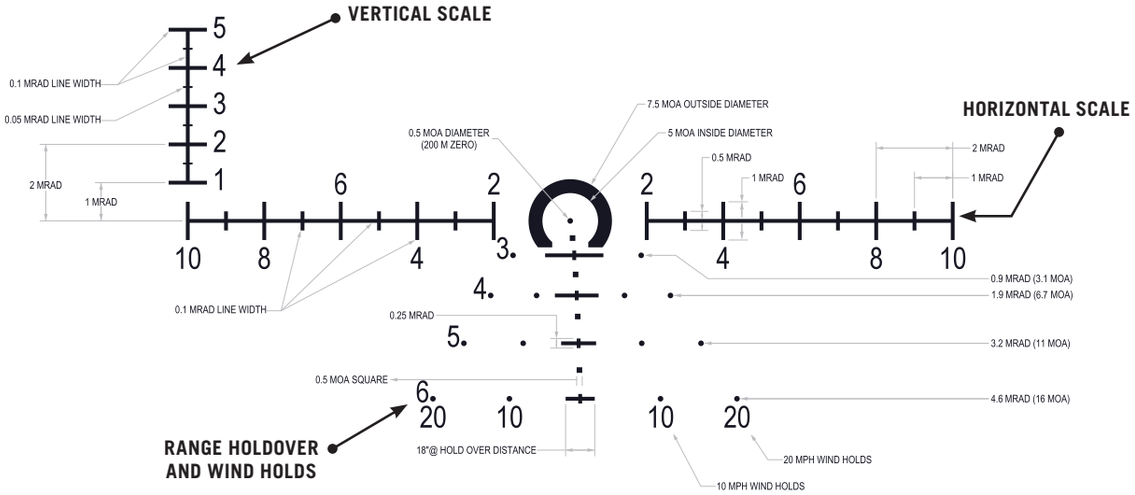
Centering Windage and Elevation Adjustments to Achieve Optimum Adjustment Travel

Making windage and elevation adjustments moves an internal mechanism horizontally and vertically inside the scope. If this mechanism is off to one side, the adjustments won't provide equal travel in all directions. To regain full balanced travel, you must recenter the adjustments as follows:

1. Turn the windage adjustment to the point that it stops moving.
2. Counting the clicks, turn it all the way in the other direction.
3. Turn the dial back half the amount of clicks counted.
4. Repeat this process for the elevation adjustment.

Caution: Boresighting the Leupold D-EVO

Verify that the magazine of the firearm has been removed or emptied, and that there is not a round in the chamber. Only after double checking the firearm, verifying it is empty and safe, should you proceed with the boresighting process. Be sure to remove the Boresighter from the the barrel prior to loading the magazine or chamber.



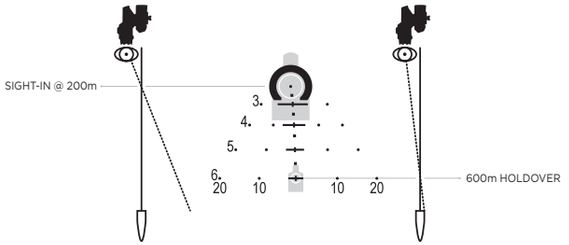
Close Mid-Range Reticle with Wind Holds (CMR-W™)

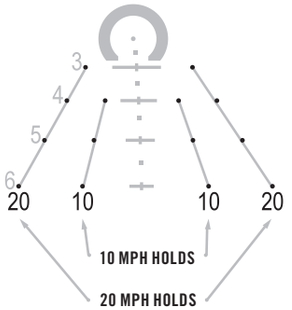
The CMR-W reticle is comprised of a 0.5 MOA center dot surrounded by a 5.0 MOA inverted horseshoe for a perfect combination of precision and speed. The D-EVO reticle is designed for use with either 5.56/.223 or 7.62/.308 cartridges. The two mil scales built into the reticle design—hash marks on the horizontal stadia and the vertical scale on the left side above the main horizontal line—can be used for both calculating distances and measuring objects downrange. The tic marks on the vertical stadia serve as precise holdover points for targets between 300 and 600 meters. The horizontal bars down the center of the reticle are 18" wide at the distance indicated. For best results, the CMR-W reticle should be zeroed at 200 meters, allowing the center point of the reticle to also serve as a 50 meter aiming point.

Note: The vertical post of the D-EVO reticle is angled to the right to account for the horizontal offset of the optic to the bore.

CMR-W™ Range Holdover and Wind Holds

When looked at closely, the shooter can notice that the vertical line of the reticle is a canted line, top to bottom running from left to right. This is not a mistake but a calculated reticle that has been designed to maintain accuracy while utilizing the range holdover subtensions. Due to the fact that the D-EVO has been engineered with an off-axis bore line of sight, there would have potentially been a point of aim, point of impact shift had these calculations not been worked out. As the flight of the bullet reaches farther out, the line-of-sight/bore-line intersection becomes more of a prolonged angle. If the shooter simply zeroed the firearm with one intersection point and a perfectly vertical reticle line, the optic would only be accurate at a single point, and not be versatile throughout the ranges of the weapon system's capabilities.



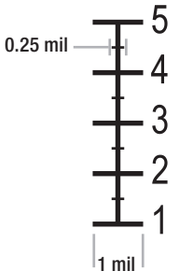


CMR-W™ Horizontal Scale

The horizontal line of the reticle outside of the center circle area are standard milliradian subtensions. The shorter lines represent single mils while the taller lines are in 2 mil increments. The tall lines are 1 mil and the shorter lines are 0.5 mil in measurement (this is a measurement of the length of the line itself, not the distance between lines). This allows the shooter not only the ability to utilize mils for windage correction holds, but also gives the shooter a versatile measuring tool within the reticle as well.

CMR-W™ Vertical Scale

The vertical scale outside of the centralized reticle area contains measurements that are standard milliradian subtensions. The shorter lines represent 0.5 mils while the wider lines are in 1 mil increments. The wide lines are 0.5 mil and the short lines are 0.25 mil in measurement (this is a measurement of the length of the line itself, not the distance between lines). This allows the shooter the ability to utilize the optic and reticle system not only as a shooting tool, but a spotting and measuring tool as well.



Leupold Lifetime Warranty

Anyone can offer you a lifetime warranty, but guaranteeing performance takes serious dedication and craftsmanship. From our Beaverton, Oregon factory to the wilderness, the battlefield, and everywhere in-between, we won't let you down.

If your Leupold scope, sight, binocular, or spotting scope doesn't perform, we will repair or replace it for free, whether you're the original owner or not – forever.

For complete details visit leupold.com/warranty

Leupold Product & Technical Service

If your Leupold product fails to perform in any way, please contact a Leupold Product Specialist within our Product Service department to determine if the problem can be solved without sending the product to Leupold. Many times, the problem can be solved without sending the product to us. Leupold Technical Service will assist you with the problem in the best and most efficient manner.

Please register your product at leupold.com/register.

To Reach Leupold Product Service

Phone:
7:00 a.m. - 4:30 p.m. PST M-F 1 800-LEUPOLD
or (503) 526-1400

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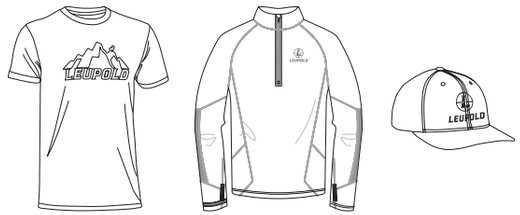
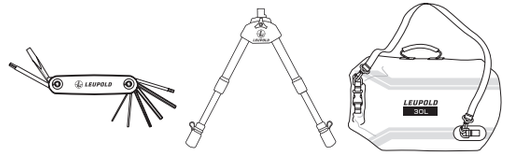
Leupold Pro Gear

From outerwear to shooting accessories, Pro Gear is tested in the field and built to perform. You can see the full lineup at Leupold.com.





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