



RETICLE MANUAL

READ IT BEFORE USE!!!

READ AND UNDERSTAND THE CONTENTS OF YOUR RETICLE MANUAL.

▼ Scan the QR code to learn more about VectorOptics.



VECTOROPTICS



USER MANUAL



FACEBOOK



INSTAGRAM

CONTENTS

MOA EXPLAINED	4
VEPS-MBR MOA RETICLE	5
DIAGRAM	6
BULLET DROP COMPENSATION	7
NOTE	9

MOA EXPLAINED

Minute of Angle (MOA) is a unit of angular measurement that is commonly used in shooting sports and ballistics. It is a unit of measurement that describes both accuracy and scope adjustments.

1 MOA is approximately 1 inch(1.047") at 100 yards. This means that if a shooter can consistently hit a target with a group of shots that measures 1 MOA in size, they can expect to hit the same-sized target at any distance. For example, a group of shots that measures 2 MOA in size at 100 yards will measure 4 MOA at 200 yards, 6 MOA at 300 yards, and so on.

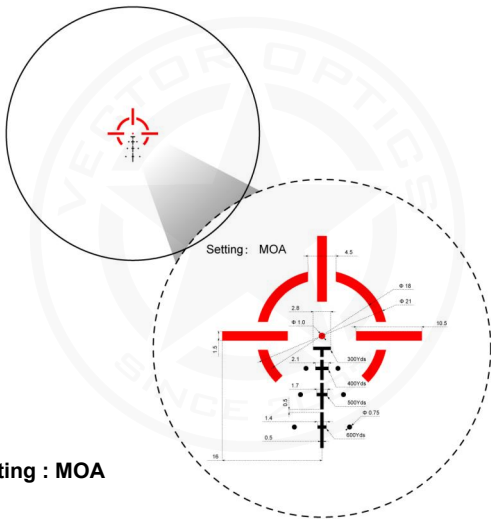
In addition to measuring shot groups, MOA is also used to describe the adjustments that need to be made to a rifle scope in order to compensate for bullet drop and windage. For example, if a shooter is shooting at a target 500 yards away and the bullet is hitting 4 inches low, they will need to adjust their scope by 4 MOA to hit the target.

Understanding MOA can help shooters improve their accuracy and make the necessary adjustments to hit targets at longer distances.

THE Vector Optics® VEPS-MBR MOA RETICLE

The **VEPS-MBR** reticle has an interrupted circle around the center, a center dot, BDC hashmarks and windage dots. The interrupted circle design helps draw your attention to the center more quickly and facilitates faster target acquisition.

This reticle is calibrated for 5.56x45 / .223 Rem. 55gr FMJ ammo and is designed for a 100-yard zero. It provides holdovers for bullet drop and wind holds up to 600 yards. The windage dots corresponds to holdovers at a wind speed of 5 mph. The design of this reticle is particularly advantageous for quickly acquiring targets in dynamic shooting scenarios. With its holdovers for bullet drop and wind holds, the VEPS-MBR reticle allows for accurate aiming at various distances. It equips shooters with the necessary tools to make precise shots in challenging conditions.



BULLET DROP COMPENSATION

The VEPS-MBR reticle is designed for bullet drop compensation, shooters can estimate bullet holdover at long distances. The dots and hash marks below the interrupted circle can offer bullet-drop reference for all distances. **The VEPS-MBR reticle is designed to follow the trajectory of a .223 rifle bullet, with the gap increasing each time to better match fixed distances.**

There are various firearms that the VTC-CMIL reticle can be used with, like high powered rifles, rimfire rifles, black powder rifles, slug shotguns and so on. The hash marks of this reticle can also be used as reference for bullet drift compensation in windy days or to estimate range.

USING THE RETICLE FOR BULLET DROP COMPENSATION

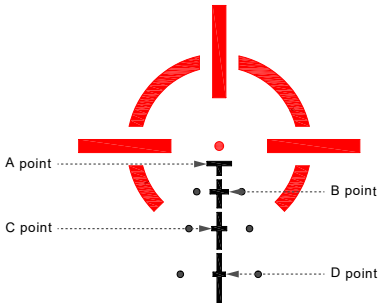
If you are using the VEPS-MBR reticle for bullet-drop compensation, please first zero your rifle at 100 yards, then use the dots and the hash marks on the reticle to compensate for bullet drop. Here is an examples with the .223 caliber:

Caliber: 30-06, .308, .270

5.56mm/.223 55gr, FMJBT, 3050 FPS muzzle velocity. Main crosshair zeroed at 100 yds.

Bullet Drop:

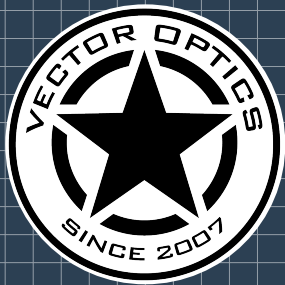
A point: 2.0MOA | 300 yds | 6.3" drop
B point: 5.2MOA | 400 yds | 21.8" drop
C point: 9.4MOA | 500 yds | 49.2" drop
D point: 14.6MOA | 600 yds | 91.7" drop



NOTE

NOTE

NOTE



VEPS-MBR

USER MANUAL

@ vector_optics
www.vectoroptics.com