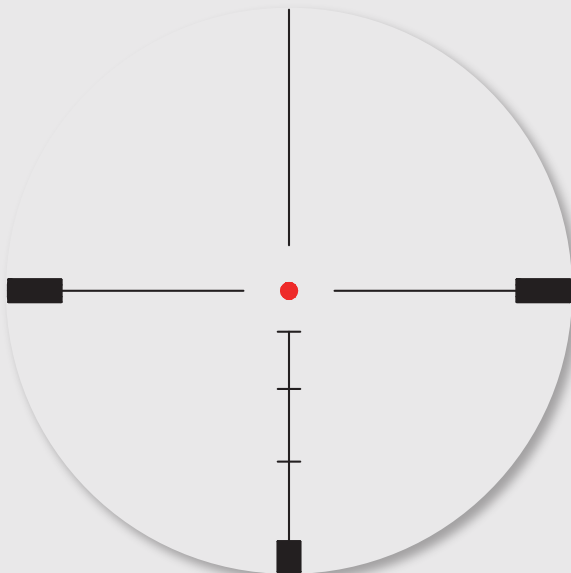
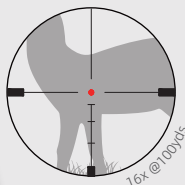
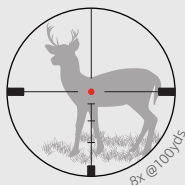
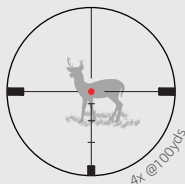


# VOI-10BDC MOA SFP RETICLE

The VOI-10BDC reticle is a specialized design that enhances long-range shooting precision for small caliber, high-velocity rifles. It features bullet drop compensation (BDC) and illumination settings for various shooting conditions, which ensure quick target acquisition. The center point provides 11 brightness settings for daytime use and 1 night vision (NV) setting, ensuring optimal reticle visibility in different lighting. The center point's diameter is 0.75 MOA, with a 2 MOA gap between the center dot and horizontal line, and a 1.5 MOA gap between the center dot and vertical line. Each horizontal line extends 10 MOA in total length.

For VOI-10BDC reticle, the suspension is valid at 10x.



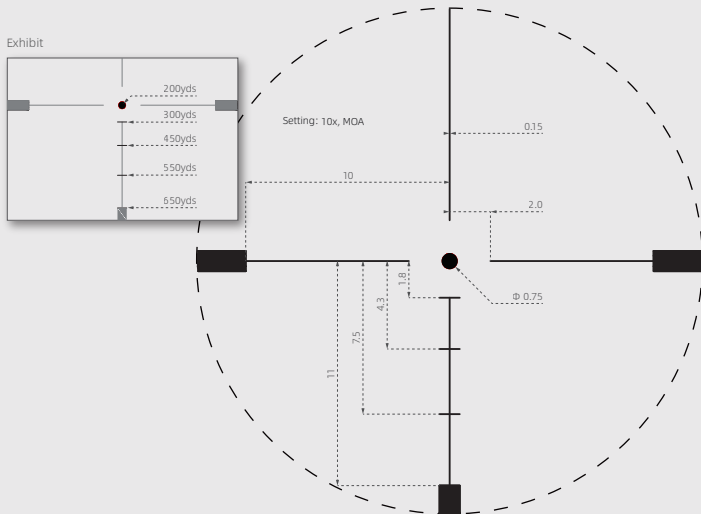
Red indicated illuminated portion of the reticle

# COMPENSATION BULLET DROP

The VOI-10BDC reticle is designed for bullet drop compensation, shooters can estimate bullet holdover at long distances. The hash marks below the reticle center can offer bullet-drop reference for all distances.

The VOI-10BDC reticle is designed to follow the trajectory of a .223/556 rifle bullet, with the gap increasing each time to better match fixed distances.

There are various firearms that the VOI-10BDC 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.

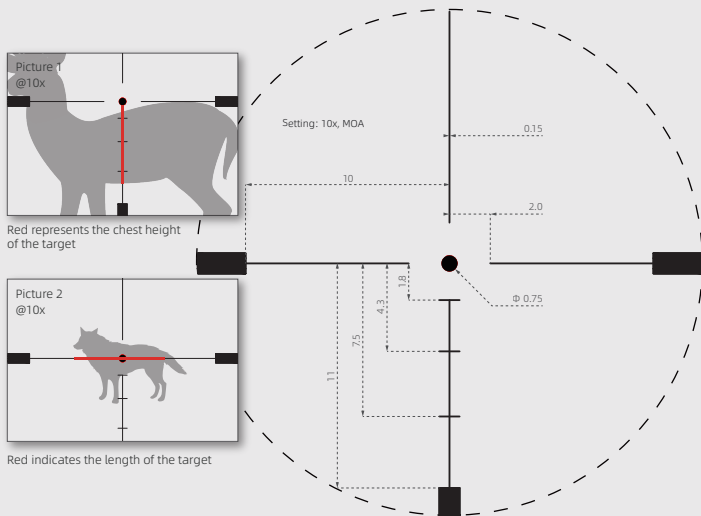


# HOW TO MEASURE TARGET HEIGHT & LENGTH

The VOI-10BDC reticle can also help the shooter estimate the range to a target. If the shooter knows the target object's size at shooting distance, then he can compare it to either the vertical or horizontal hash mark spacing and roughly estimate the range.

The formula for range estimation is as follows:

**Range (yards) = Target Height or Width (inches) \* 100 / Target Height or Width measured on reticle (MOA)**



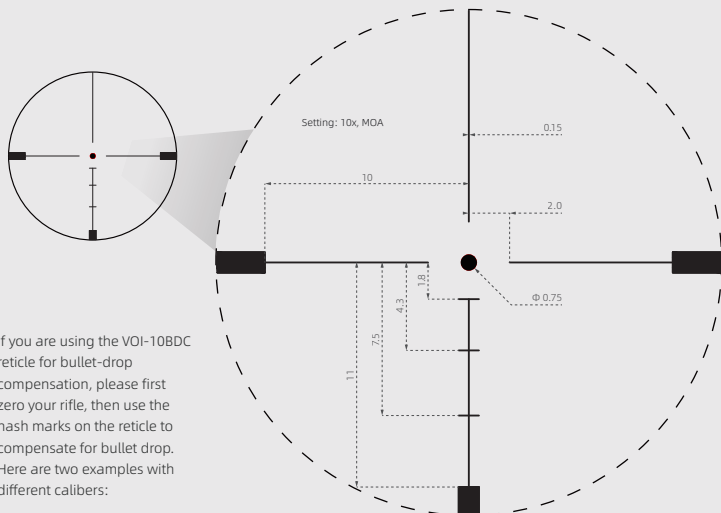
Reticle at 10x, If a shooter is looking at a deer, its chest height is 18 inches, and it spans about 9MOAs on the vertical line. Using the formula above, the range to the elk is calculated as follows:

$$\text{Range} = 18 \text{ (inches)} * 100 / 9 \text{ MOA} = 200 \text{ (yards)}$$

Reticle at 10x, If a shooter is looking at a 60 inches long wolf, and it spans about 10MOAs on the horizontal line. Using the formula above, the range to the coyote is calculated as follows:

$$\text{Range} = 60 \text{ (inches)} * 100 / 10 \text{ MOA} = 600 \text{ (yards)}$$

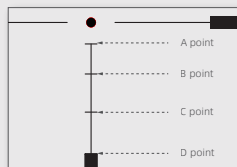
# USING FOR BULLET DROP COMPENSATION



If you are using the VOI-10BDC reticle for bullet-drop compensation, please first zero your rifle, then use the hash marks on the reticle to compensate for bullet drop. Here are two examples with different calibers:

## .223, 5.56 ZERO @200yds

A point: 300yds | 4.5" drop  
 B point: 400yds | 18" drop  
 C point: 500yds | 37.5" drop  
 D point: 600yds | 66" drop



## .308, 7.62 ZERO @100yds

A point: 200yds | 1.5 MOA  
 B point: 300yds | 4.5 MOA  
 C point: 400yds | 7.5 MOA  
 D point: 500yds | 11 MOA

