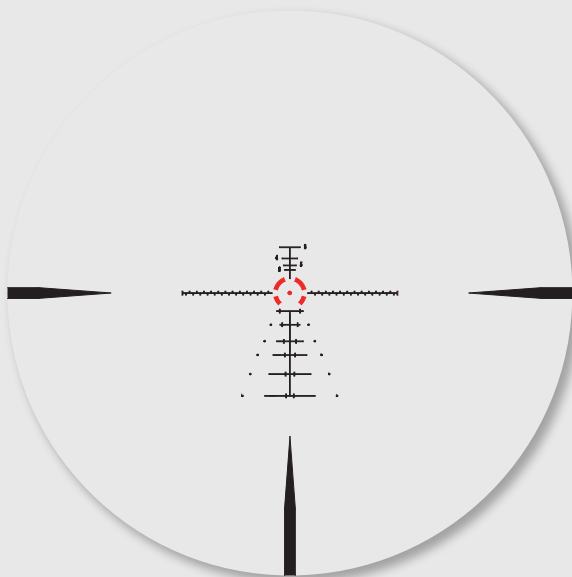
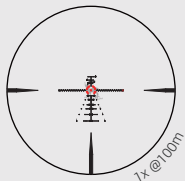


VOS-TMOA SFP RETICLE

The VOS-TMOA reticle is an advanced optical system designed for precision shooting and long range target acquisition. The combination of MOA-based subtensions, BDC marks, and distance ranging marks makes this reticle suitable for tactical and hunting scenarios.

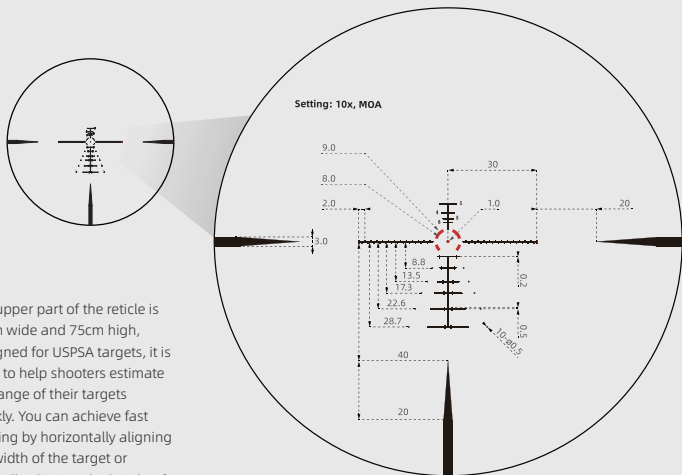
The VOS-TMOA reticle features a distance ranging function. Shooters can align the mark lines below or above the center point with a USPSA (United States Practical Shooting Association) target's "shoulder" to quickly estimate the distance to the target. This significantly improves shooting efficiency in various scenarios.

For VOS-TMOA reticle, the suspension is valid at 10x.



Red indicated illuminated portion of the reticle

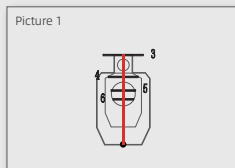
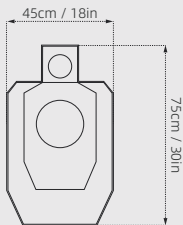
FAST RANGING



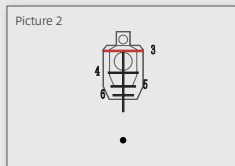
The upper part of the reticle is 45cm wide and 75cm high, designed for USPSA targets, it is used to help shooters estimate the range of their targets quickly. You can achieve fast ranging by horizontally aligning the width of the target or vertically aligning the height of the target.

If you vertically align the bottom of the USPSA target, and its highest point reaches mark 3 on the reticle, then the target is 300 meters away from you. (Picture 1)

If horizontally align the USPSA target's width, and its shoulder at the widest point reaches mark 3 on the reticle, then the target is 300 meters away from you. (Picture 2)



Red indicates the height of the target



Red indicates the shoulder width of the target

HOW TO MEASURE TARGET HEIGHT & LENGTH

To use the VOS-TMOA reticle for ranging, the shooter first needs to know the height of the target in question. Once the height of the target is determined, the shooter can use the VOS-TMOA reticle to measure the target in mils.

$$\text{Height of Target (yards) / mils} * 1000 = \text{Distance to Target (yards)}$$

If the height of target is in Inches, then the formula should be:

$$\text{Height of Target (inches) / mils} * 27.78 = \text{Distance to Target (yards)}$$

(1 inch \approx 0.0277778 yards)

This formula works equally well with meters, but don't mix meters and yards:

$$\text{Height of Target (meters) / mils} * 1000 = \text{Distance to Target (meters)}$$

If the distance of the target is determined, then the shooter can use the VOS-TMOA reticle to measure the target length. You can use the following formula:

$$\text{Distance to Target (yards) / 1000} * \text{Mils} = \text{Length of Target (yards)}$$

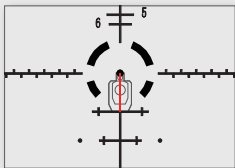
$$\text{Distance to Target (yards) / 27.78} * \text{Mils} = \text{Length of Target (inches)}$$

(1 inch \approx 0.0277778 yards)

This formula works equally well with meters, but don't mix meters and yards:

$$\text{Distance to Target (meters) / 1000} * \text{Mils} = \text{Length of Target (meters)}$$

Measure the object in yards to find the distance in yards, and use meters to yield distances in meters.



Red indicates the height of the target

If the height of an adult male is 5.91ft, and measures 5Mils across the reticle, that is:

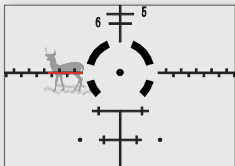
$$\text{Distance to Target (yards) / 27.78} * \text{Mils} = \text{Height of Target (inches)}$$

5.91ft = 70.9 inches

$$70.9 \text{ (inches) / 5 mil} * 27.78 = 394 \text{ (yards)}$$

$$2.0 \text{ (yards) / 5 MIL} * 1000 = 394 \text{ (yards)}$$

$$1.8 \text{ (meters) / 5 MIL} * 1000 = 360 \text{ (meters)}$$



Red indicates MILs of the target in reticle

If the Distance to Target is 400m, and the target measures 4.5Mils across the reticle, then the target length is:

$$400 \text{ (meters) / 1000} * 4.5 \text{ MIL} = 1.8 \text{ (meters)}$$

$$437 \text{ (yards) / 1000} * 4.5 \text{ MIL} = 2.0 \text{ (yards)}$$

$$437 \text{ (yards) / 27.78} * 4.5 \text{ MIL} = 70 \text{ (inches)}$$