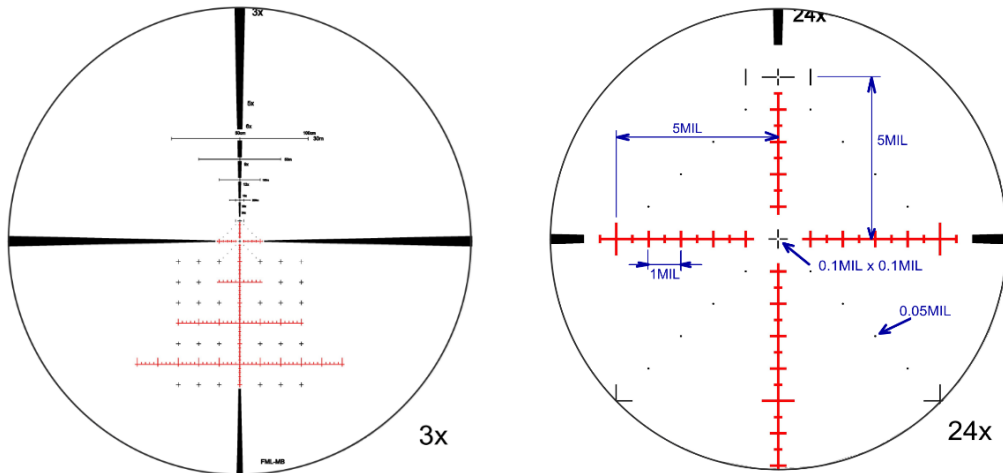


FML-MB Reticle

This reticle was originally developed for air rifle shooting where bullet fall distance is large.

1) Specification



• Design of Illuminated part

Center Horizontal: Left and right each 5 MIL (0.5MIL scale)

Vertical: UP 5MIL (0.5MIL scale)

Down 35MIL (0.5MIL scale)

10MIL under Horizontal line: Left and right each 5 MIL (1MIL scale)

20MIL under Horizontal line: Left and right each 15 MIL (1MIL scale)

30MIL under Horizontal line: Left and right each 25 MIL (1MIL scale)

• Non illuminated part

For every 5 MIL in the downward “+” mark (black)

Horizontal: Left and right each 15MIL, Down to 35MIL.

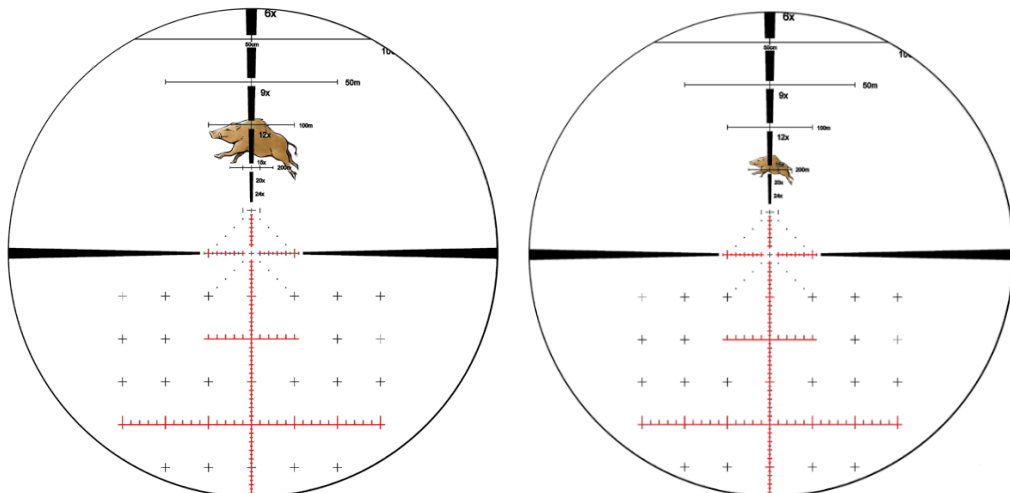
Center cross section: non Illuminated

0.1x0.1MIL space

0.05MIL dot diagonally from center above 5MIL

4 dots on each side at intervals of 1 MIL

2) Ranging

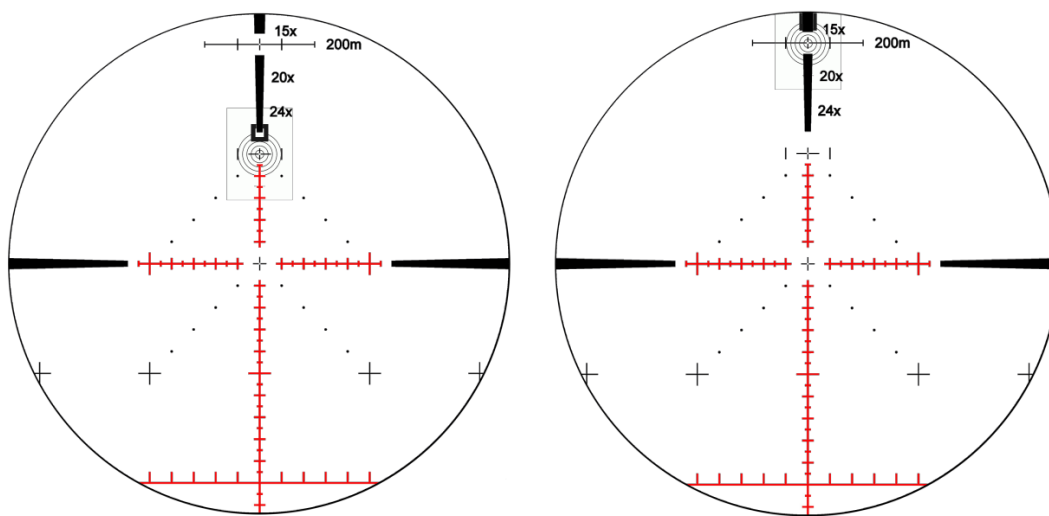


The ranging scale is set at 30m, 50m, 100m, and 200m. For example, assume that the width of the target is 1m. By matching the 1-meter wide target to a ranging scale of a similar length, it is possible to estimate the distance. Conversely, if the distance is known, the size of the target can be determined by the ranging scale.

3) 0 Position selection

When zeroing in the scope, if you zero in at 5 or 10 mils above the center, you can use the extra 5 or 10 mils in the direction of fall as the adjustment amount. For this reason, there are no numbers on the scale.

In the case of air rifle shooting, the conventional zeroing in at the center of the reticle requires a reduction in magnification to match the change in bullet impact position at long range. This feature allows the shooter to aim at more distant targets with higher magnification.



4) Magnification Confirmation Function

When zoomed in, the reticle is enlarged (or reduced) and the magnification can be confirmed by the numbers appearing at the top. This makes it possible to change the magnification without taking one's eyes off the target (i.e., without having to check the magnification number on the zoom ring).

Reticles generally known as Christmas trees (e.g. Horus) have dots placed finely downward, but for this reticle, we have made them every 5 mils to ensure the clearest possible view.

