

RETICLE GUIDE

RAPTR-1F (2-12 HELIX HD COMPACT SFP)

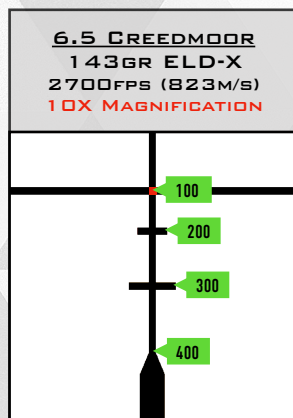
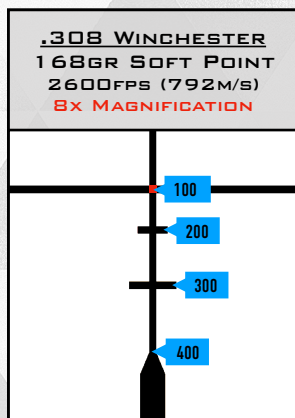
RAPTR stands for "Rapid Trajectory". We've designed this reticle to make bullet drop compensation at close to moderate distances SIMPLE.

For an unobstructed view, we've placed an illuminated center dot and fine crosshair at the core of this design. If you don't plan to shoot much further than 100-150m/yds, you're all good to go!

For those who want to make use of the smart features of the holdover markings, here's what you need to know:

- 1) The hash marks below the reticle centre are spaced to follow the trajectory of a rifle bullet, with the gap increasing each time to better match fixed distances (e.g. 200, 300, 400 Meters/Yds)
- 2) The width of these hash lines roughly indicate wind drift at these intercept points, assuming a 5mph crosswind at 90 degrees (halve the wind hold for a half value wind, etc)
- 3) Adjusting your magnification higher or lower changes the subtensions of the reticle relative to your target, allowing you to CALIBRATE your reticle to roughly match your bullet's trajectory.

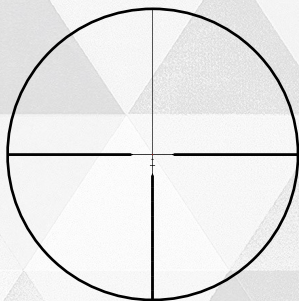
We've chosen 8x as the baseline magnification, allowing for adjustment both ways. Here is an example of how two popular cartridges can both work simply by using different magnifications:



TIPS FOR EFFECTIVE CALIBRATION

There are a couple ways you can set up your drop data. The first option is to pick a magnification first, and then determine the distance that matches each drop point. This may be the preferred method if you want to make use of the higher magnifications.

The other option is to play with your magnification setting until you find the magnification that happens to match your rifles drop data at convenient distances. For example, your .243 Win shooting an 87gr V-Max may line up well at 13.6x. This may be an arbitrary value that isn't marked, but you can use a piece of tape or a sticker to mark a precise point if you need to, and return to this point if you need to shoot at a specific distance.



Validation can be done using a ballistic calculator - the Element Ballistics App has our reticles loaded on it which makes things very simple. You can also work this out by physically shooting at 200, 300 and 400 meters/yards and changing your magnification so that your center dot is on your point of aim, and your corresponding hold point lines up with your point of impact. KEEP IN MIND that variance in ballistic coefficient, atmospheric conditions and even the angle of your shot WILL affect your trajectory, and so the hold points for elevation & wind will never be a 100% match. The idea is to get you CLOSE, QUICKLY.

A	Center Reticle
B	Line Thickness: 0.45 MOA

	ELEVATION	WINDAGE
C	0.7 MRAD (2.4 MOA)	0.26 MRAD (0.89 MOA)
D	1.66 MRAD (5.8 MOA)	0.41 MRAD (1.41 MOA)
E	2.82 MRAD (9.6 MOA)	-

