

How to adjust 5-42x56

By shortening the objective focal length of 5-42x56, we were able to realize a great amount of elevation travel compared with other scopes which has the same 34mm body tube diameter.

cf. 5-40x56 : 22MIL/76MOA, 5-50x56 & 10-60x56 & 8-80x56 : 60MOA (equivalent to about 17.1MIL)

This 5-42x56 has 40MIL (equivalent to about 140MOA) which has the most travel amount among all the 34mm body tube diameter March scopes.

However the focal depth will be shallower due to short objective focal length, and this will require finer adjustments for the side focus.

In case you find the image to blur, please readjust by following.

- 1) Please set the magnification at 5x.
- 2) Rotate the eyepiece and find the spot where you can see the reticle the best. Please check below to see how to properly adjust the diopter.
<https://marchscopes.com/news/4946/>
- 3) When you find the position where you can see the best, rotate the stop ring and stabilize the eyepiece. You only need to set the eyepiece once to suit your diopter.
- 4) Please set the magnification at 42x.
- 5) Adjust the side focus and bring the target into focus.

* When you rotate the elevation, focus may shift. In this case, please readjust the side focus turret.

In any riflescope the best image quality is at or near the center of the adjustments. This riflescope has an internal adjustment range of 40MIL; 20 up, 20 down. Because of the very wide adjustment range of this riflescope, you may experience some image quality degradation as you near the limits of the adjustment range. This can occur because of the extreme refraction of the incoming light at the edges of the objective lens.

This degradation will worsen as the magnification increases but if you readjust the focus turret each time, you will be able to see the image clearly.

In case you do not wish to adjust each time, we recommend using an appropriate canted rail if you plan to use this riflescope consistently near the limits of the adjustment range and at higher magnification.

It can be utilized to gain additional elevation and to keep the scope optically centered as much as possible.

A 20MOA rail will shift the adjustment range by about 5.7MIL to 25.7MIL up and 14.3MIL down.

A 30MOA rail will shift the adjustment range by about 8.6MIL to 28.6MIL up and 11.4MIL down.