



MASTER MARKSMANSHIP TRAINING COURSE



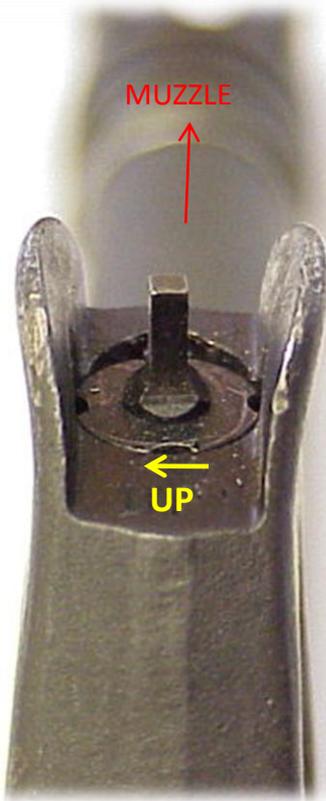
Sights for M16 and M4 weapons systems



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Front Sight Post



Elevation

M16 A2 - 1 click=1 $\frac{1}{4}$ MOA

M4 - 1 click=1 $\frac{3}{4}$ MOA

- When zeroing, adjust elevation with the front sight post and make windage adjustments with the rear sight
- The arrow that is stamped on the front sight housing, is indicating the direction of your impact downrange.



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BUIS

300m zero at 25m (BDC setting)

- **M16A4 use white line for zeroing**
- **M4 use 300 setting**
- **Point of aim / point of impact zero at 25m**

Windage

M16A4- 1 click=1/2 MOA

M4- 1 click=3/4 MOA



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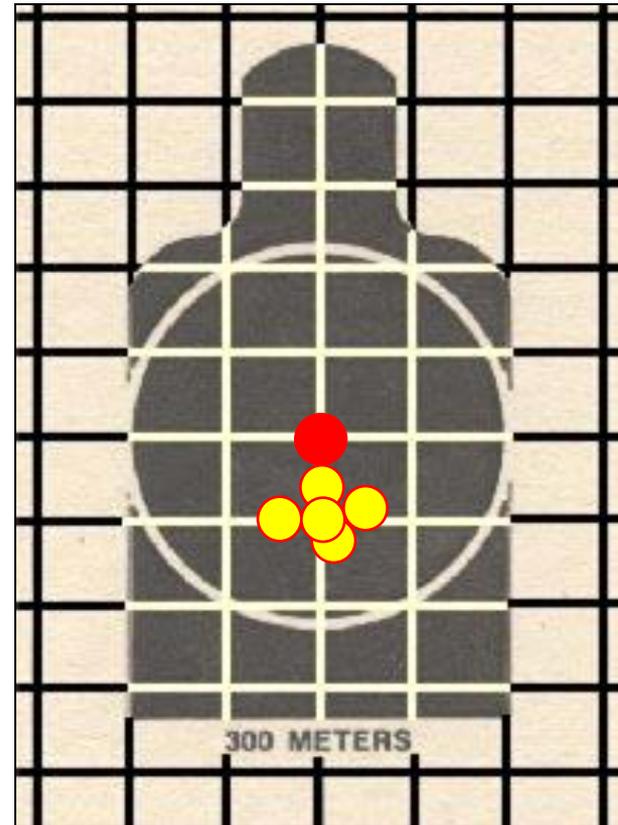
M68



Non-magnified

**300m zero offset = approx. 1cm low at
25m**

**Always confirm optic zero at actual
distance (300m)**



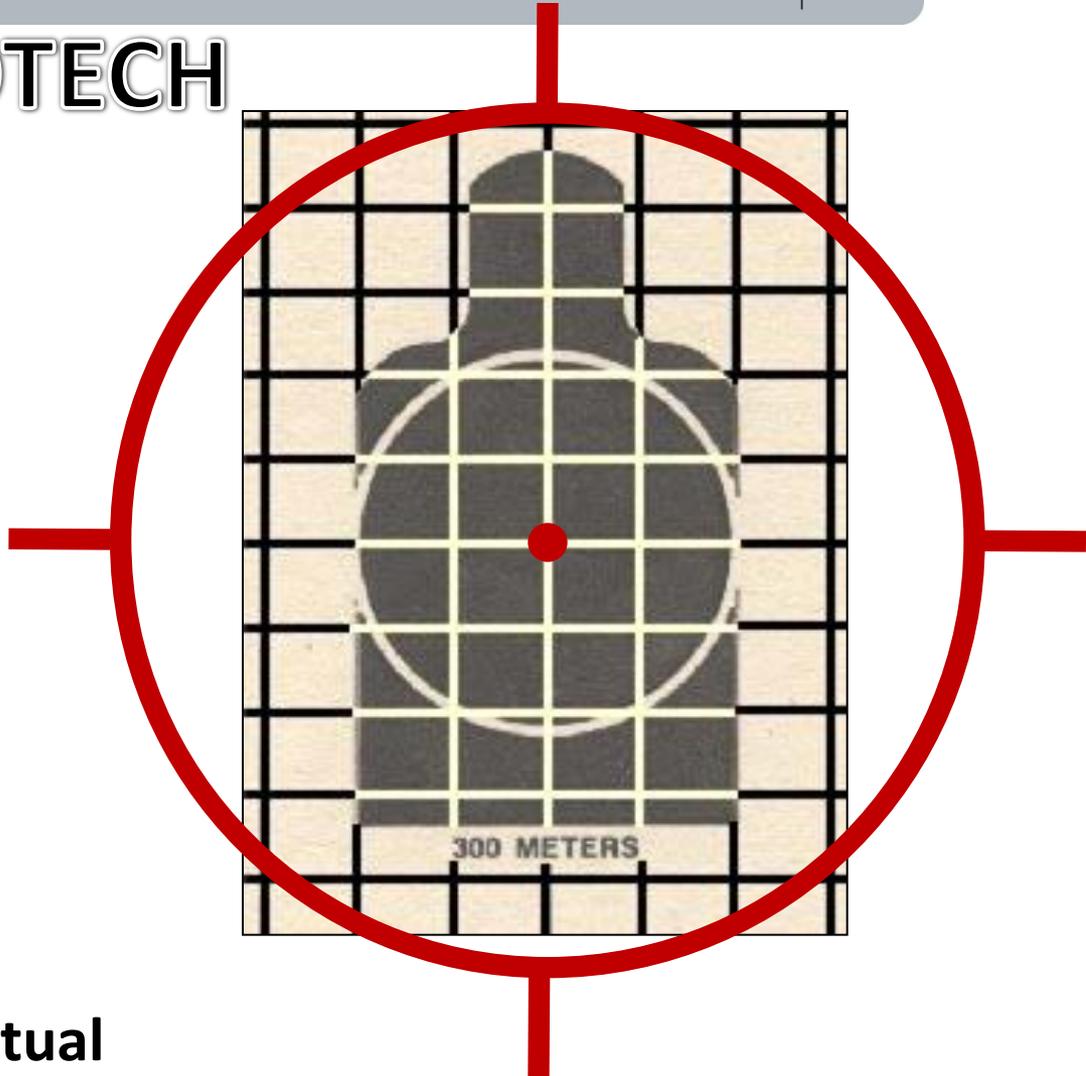
1 click=1/2 MOA



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EOTECH



Non-magnified

300m zero offset:

With riser= 2 cm low at 25m

W/O riser= 1 cm low at 25m

Always confirm optic zero at actual distance (300m)

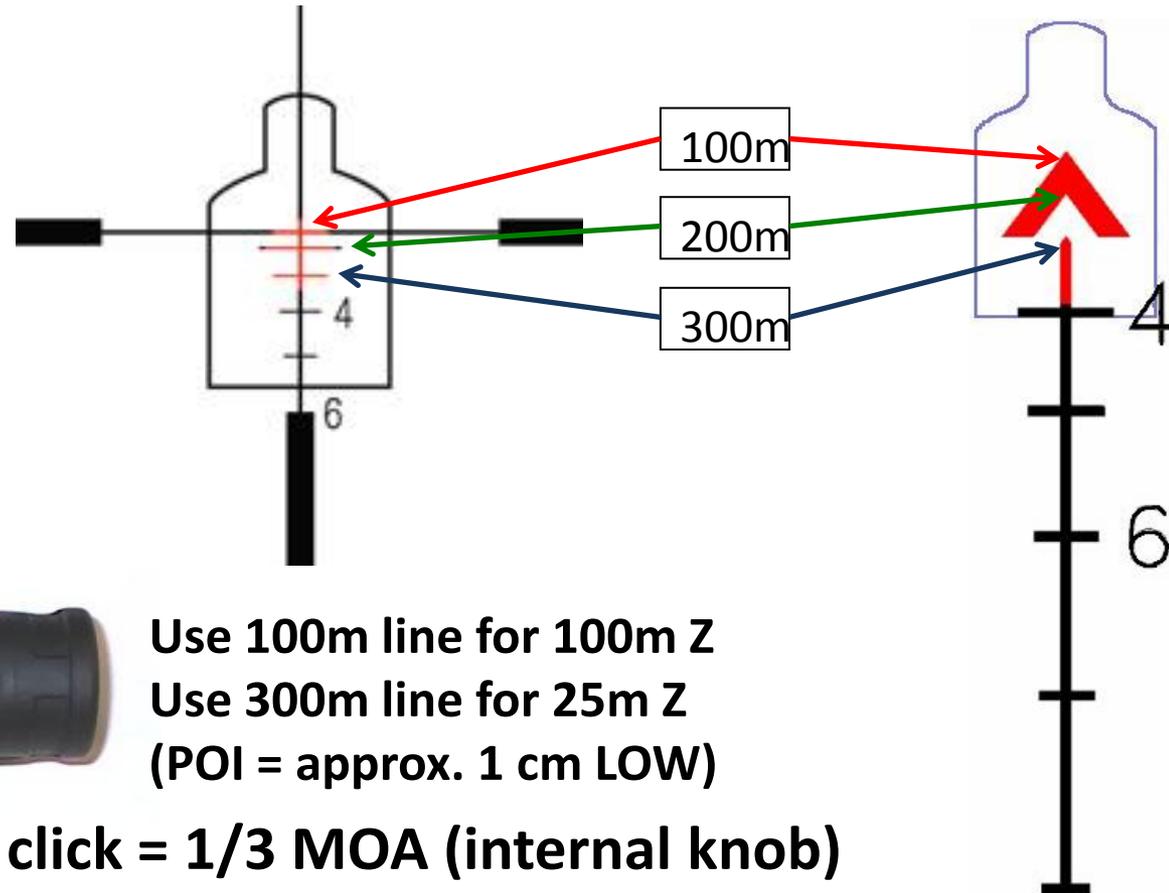
1 click=1/2 MOA



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ACOG



4x magnification



Use 100m line for 100m Z
Use 300m line for 25m Z
(POI = approx. 1 cm LOW)

1 click = 1/3 MOA (internal knob)
1 click = 1/2 MOA (external knob)



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ELCAN



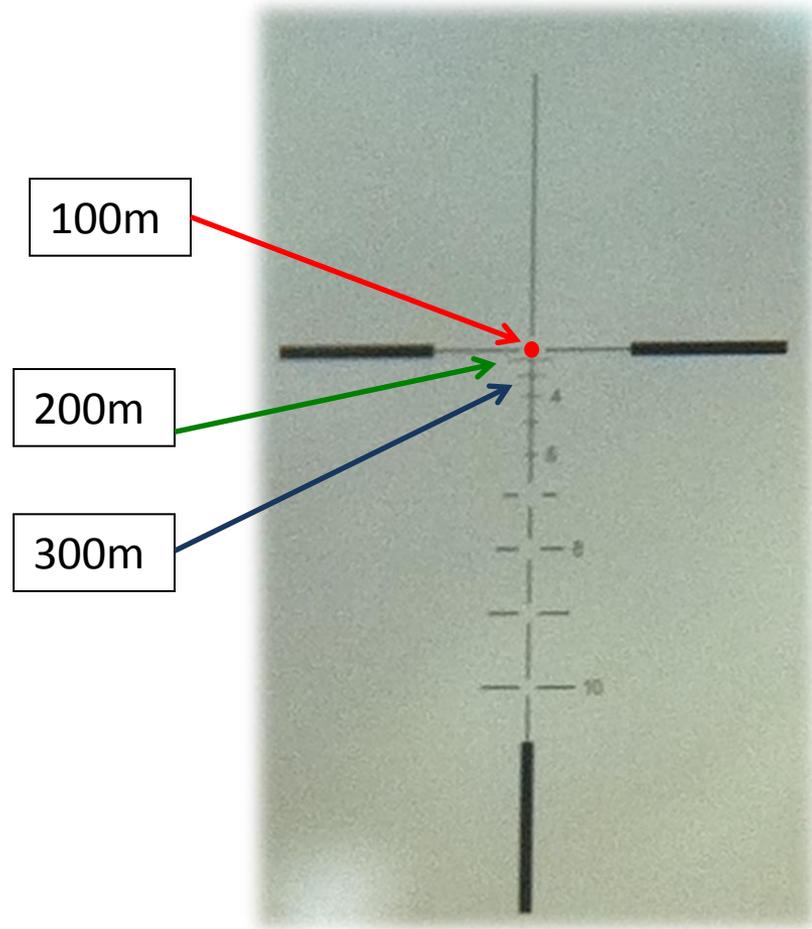
1x or 4x magnification

NOTE: Must be zeroed on 4X

Use 100m line for 100m Z

Use 300m line for 25m Z

1 click=1/2 MOA



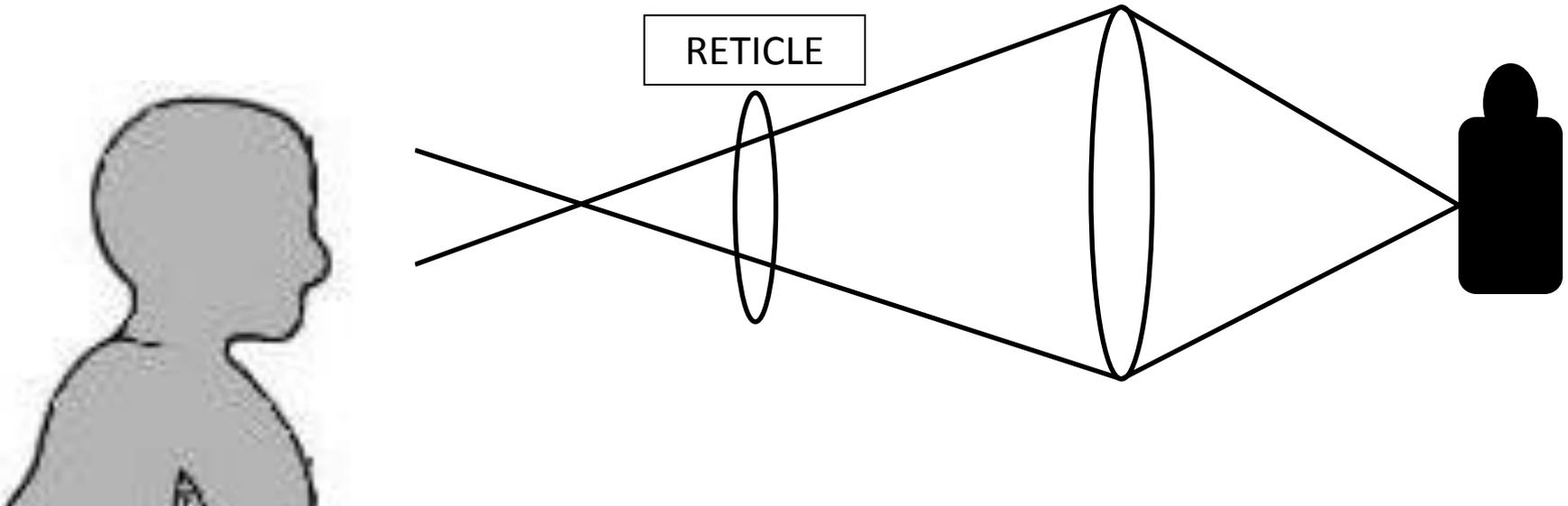


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Parallax

➤ Parallax in a rifle scope is the apparent movement, or displacement of objects when viewed from different perspectives



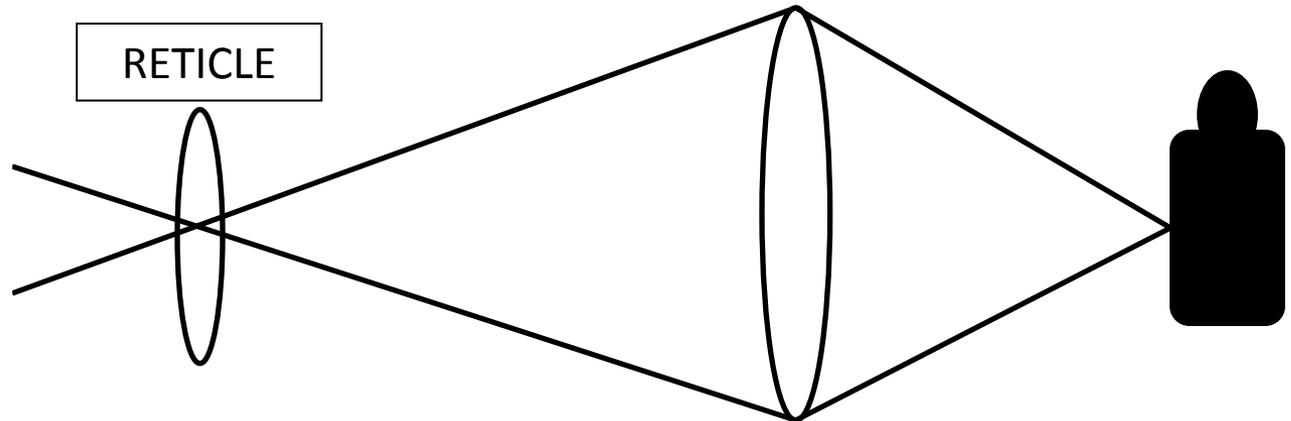


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Parallax

- Adjusting the parallax knob on the left side of the scope will bring the target and the reticle on the same focal plane
- The appropriate adjustments cannot always be made in the heat of combat. This is why consistent head position is important



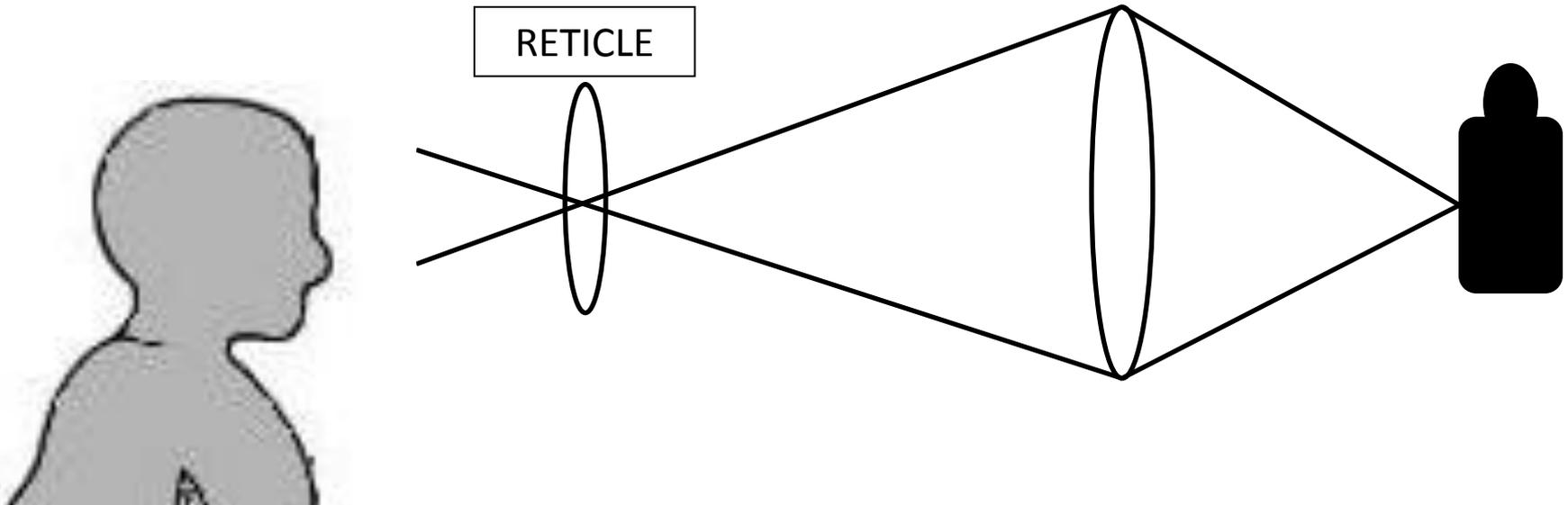


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Parallax

- When parallax is adjusted properly the reticle and the target should not move independently





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Eye Relief

- Your eye should be positioned to see the full field of view of the eyepiece
- Scopes/optics should be mounted to provide the best eye relief in all shooting positions, and magnifications



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Scopes

A scope does not improve the shooter's fundamentals of marksmanship

A scope can help with....

- Target ID
- Reading wind and seeing wind indicators
- Confirming reduction of target
- Range estimation
- Compensating for wind

A scope does not reduce the importance of...

- Sight alignment
- Trigger control
- Body position
- Follow through
- Natural Point of aim



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PCI – always make sure sight systems
are secure

