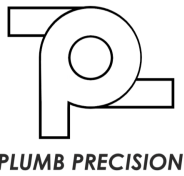


**PLUMB PRECISION**

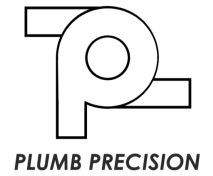
# ***PLUMB PRECISION COMPETITION RETICLE INSTRUCTIONS***

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



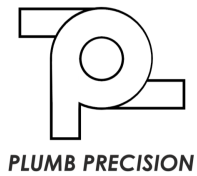
# **END USER SAFE USE STATEMENT**



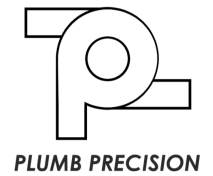
- 1. Always control the direction of the firearm's muzzle.**
- 2. Keep the safety on and fingers off the trigger at all times until ready to shoot.**
- 3. Identify the target and what is beyond it before shooting.**
- 4. Treat every firearm as if it is ready to fire.**
- 5. Be sure the barrel and action are clear of obstructions.**
- 6. Ensure only the proper ammunition, of good condition, is used in a firearm.**
- 7. Always unload a firearm when it is not in use.**
- 8. Carry firearms empty, in a locked case, to and from shooting areas.**
- 9. Never aim a firearm at anything that you do not intend to shoot.**
- 10. Avoid all horseplay with a firearm.**
- 11. Ensure backstops and berms are adequate during firearm use.**
- 12. Store firearms and ammunition separate and beyond the reach of children or other at risk persons.**
- 13. Prevent all use of firearms by those impaired by alcoholic beverages and/or drugs.**

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# **TABLE OF CONTENTS**



## **1. Features of the Plumb Competition Reticle**

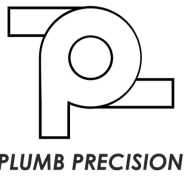
## **2. Zeroing the Plumb Competition Reticle**

## **3. Use of the Plumb Competition Reticle**

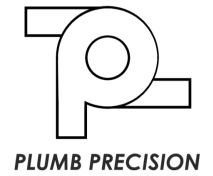
## **4. FAQs**

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



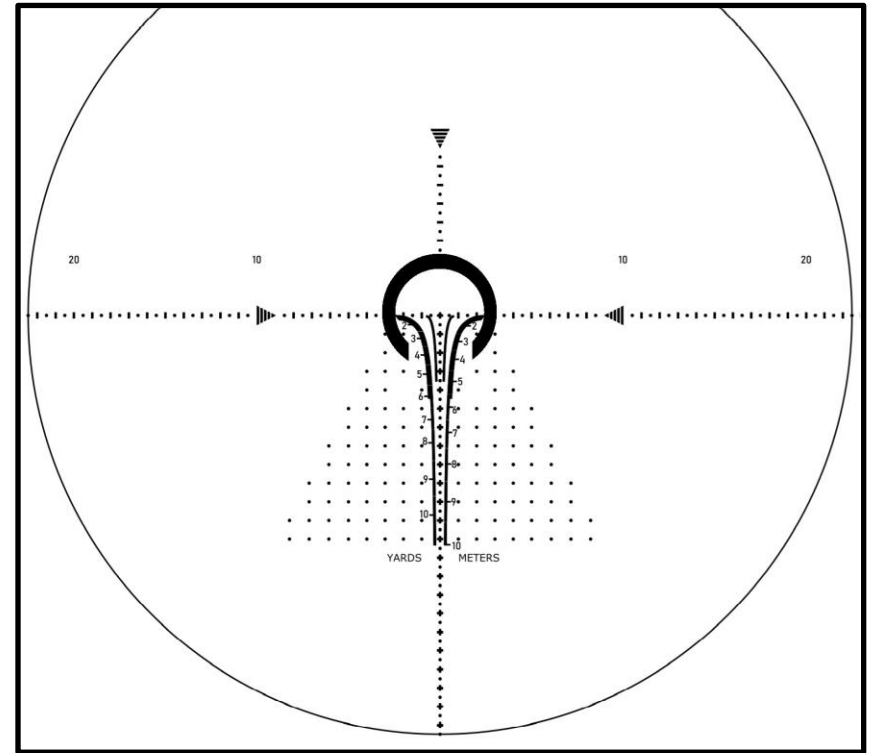
# FEATURES OF THE PLUMB COMPETITION RETICLE



**The Plumb Competition Reticle is a non-caliber specific self ranging reticle. It is calibrated for Yards and Meters.**

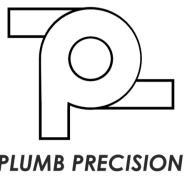
**This is accomplished by using parabolic arcs which provide a graphic representation of the projectile's trajectory.**

**This allows the user to understand and compensate for the path of the projectile throughout the duration of its flight.**

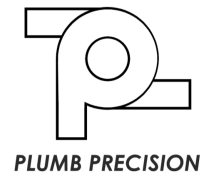


**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# FEATURES OF THE PLUMB COMPETITION RETICLE



**The Plumb Competition Reticle uses a common trajectory against the known size of a target.**

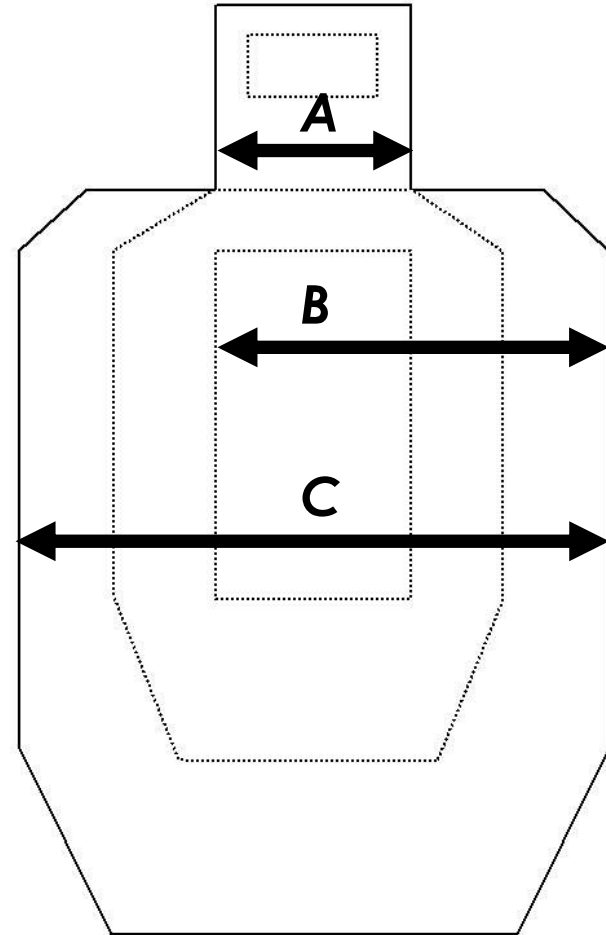
**The Plumb Competition reticle is calibrated on the full size, standard IPSC target.**

**The IPSC full sized targets have the following widths :**

**A = 6 inches or 150 millimeters**

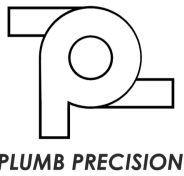
**B = 12 inches or 300 millimeters**

**C = 18 inches or 450 millimeters**

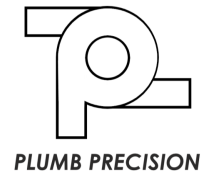


**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# FEATURES OF THE PLUMB COMPETITION RETICLE



The width of the target across the trajectory, is represented as the space between the parabolic arcs.

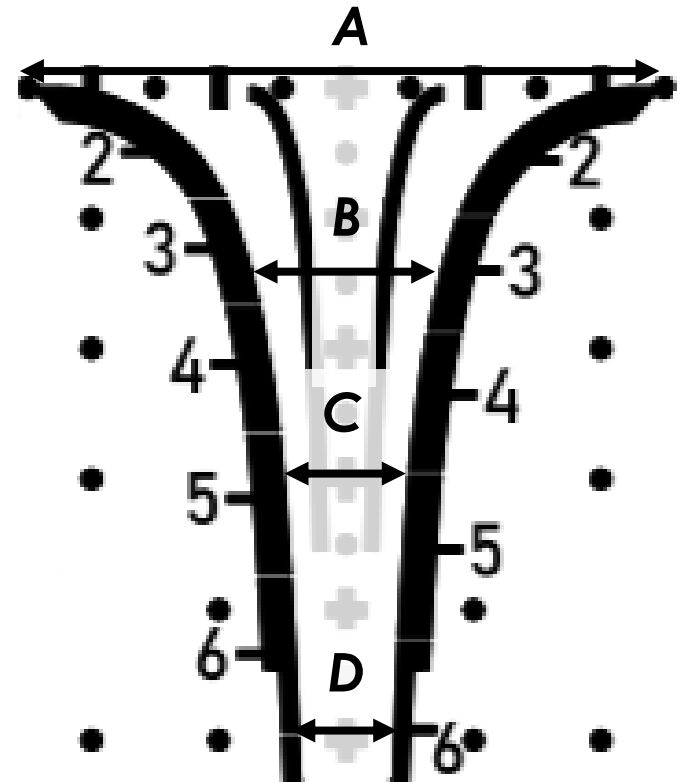
The numbers on the side of the parabolic arcs also represent the viewed size of the 450 mm (18 inch) wide IPSC target at that distance for the shooter. (meters on the right/ yards on the left)

$A = 450\text{mm} / 4.5 \text{ mils} = 100 \text{ meters}$

$B = 450\text{mm} / 1.5 \text{ mils} = 300 \text{ meters}$

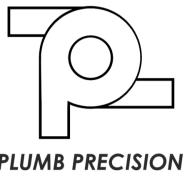
$C = 450\text{mm} / 1 \text{ mil} = 450 \text{ meters}$

$D = 450\text{mm} / .75 \text{ mil} = 600 \text{ meters}$

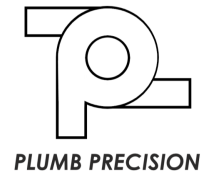


PROTECTED UNDER US PATENT 10,073,277 (PLUMB)

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# FEATURES OF THE PLUMB COMPETITION RETICLE



**The Plumb Competition Reticle allows for shooting targets of other widths.**

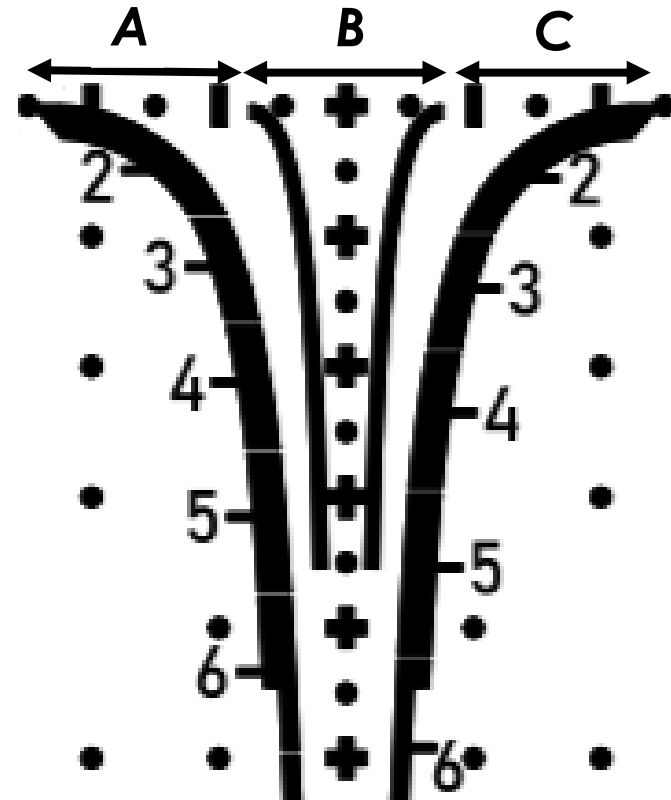
**The spaces between the parabolic arcs (A, B, C) represent 1/3<sup>rd</sup> of the viewed size IPSC target at that distance for the shooter.**

**Each of the spaces represent 6 inches or 150 millimeters. This allows for the accurate estimation of 1/3 and 2/3 full size IPSC targets.**

**A, B, or C = 150mm / 6 inches @ 100**

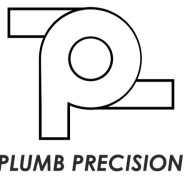
**A+B = 300mm / 12 inches @ 100**

**A+B+C = 450mm / 18 Inches @ 100**



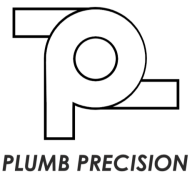
**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



PLUMB PRECISION

# ZEROING THE PLUMB COMPETITION RETICLE



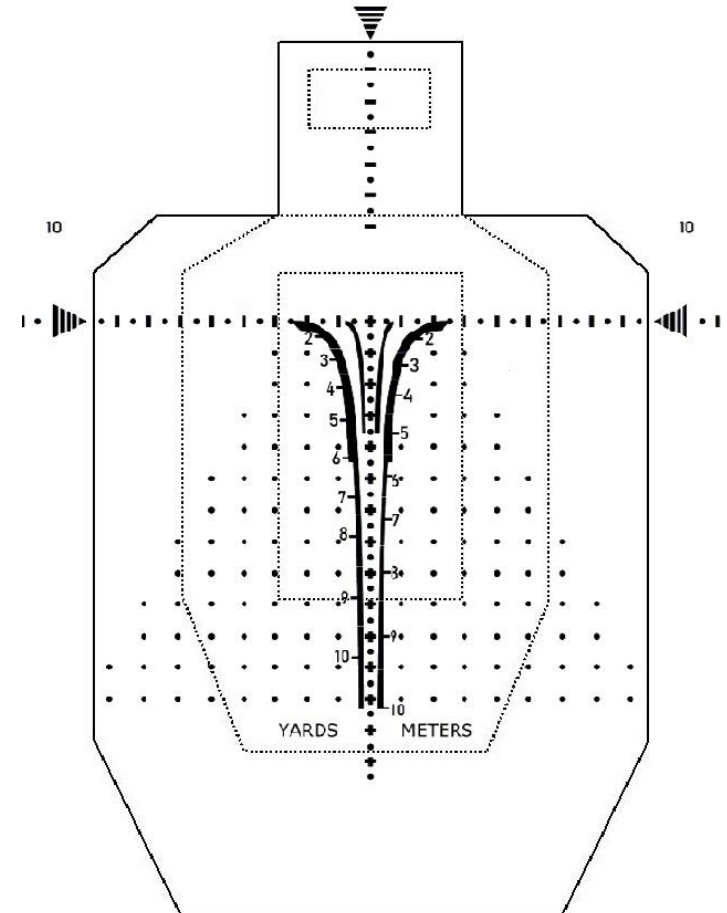
PLUMB PRECISION

**The Plumb Competition Reticle requires zeroing twice for best results.**

**Ensure the firearm is ready and the scope is properly leveled and attached to the firearm.**

**The initial zero target is to be placed at 25 meters or yards. The indexing arrows are to be placed at the top and sides of the target.**

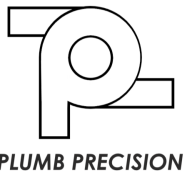
**Fire 3-5 round groups and make adjustments until the groups are within the center of the reticle.**



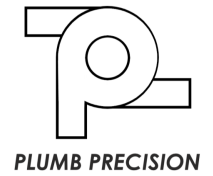
**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.





# ZEROING THE PLUMB COMPETITION RETICLE

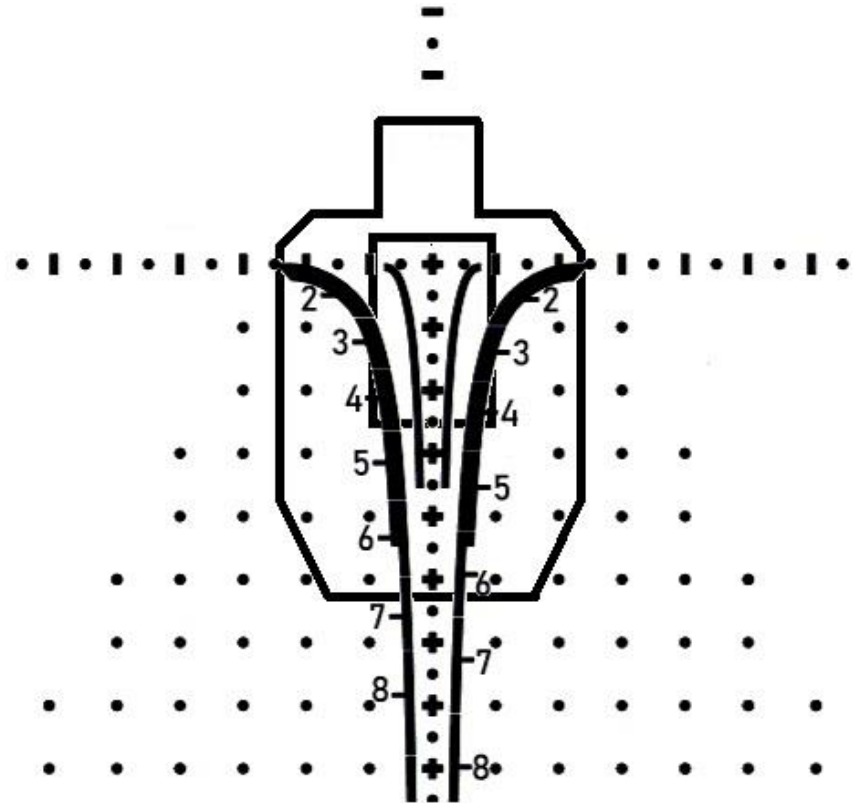


**The second zero is to be done at 100 meters or yards.**

**The horizontal bar line is placed where the “shoulders” and sides of the target meet, the top of the center “A” zone.**

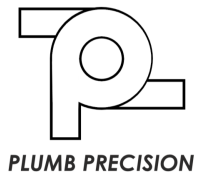
**Your first group will be zeroed at 25 meters or yards, keep this data. This is your close range off set.**

**Fire 3-5 round groups and make adjustments until the groups are within the center of the reticle.**

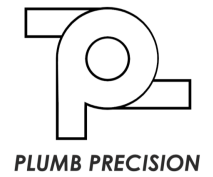


**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# USE OF THE PLUMB COMPETITION RETICLE

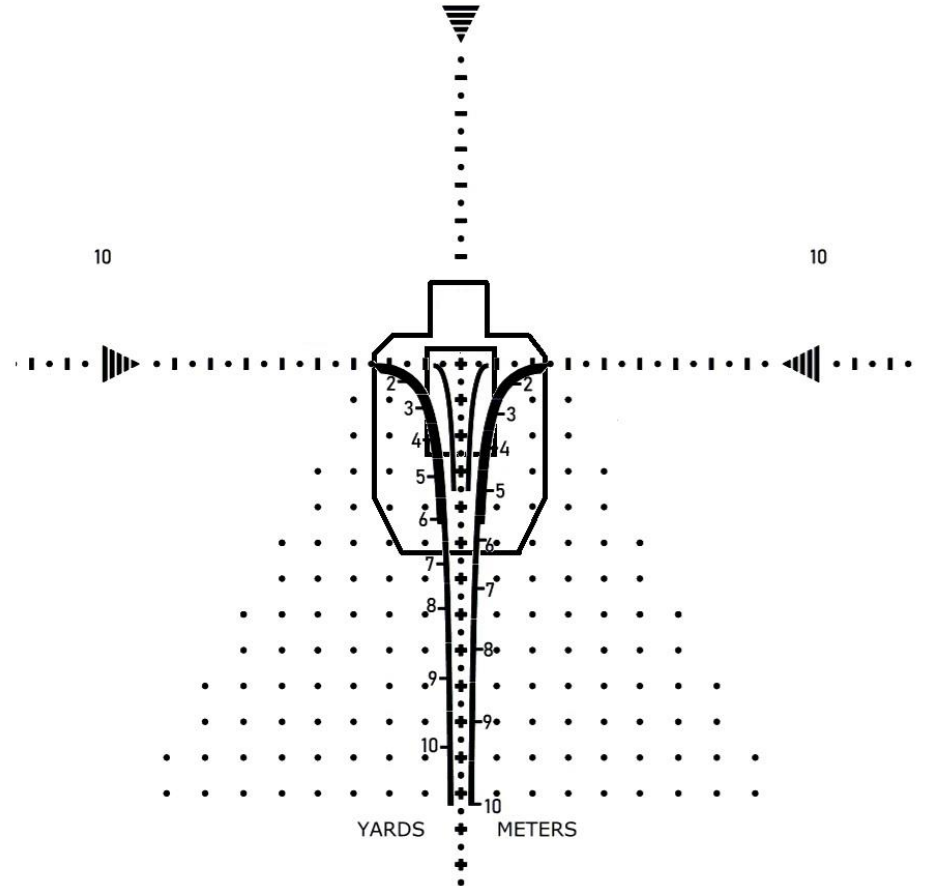


**Once the second zero at 100 meters or yards is complete.**

**The Plumb Competition Reticle can be used with the specific calibers ballistic data or Data On Previous Engagements. (DOPE)**

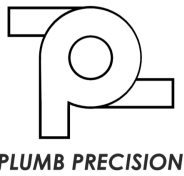
**The method for engagement is called :**

**"S.A.S" for Size, Aim, Shoot**



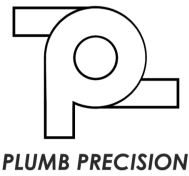
**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



PLUMB PRECISION

# USE OF THE PLUMB COMPETITION RETICLE



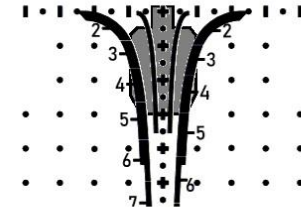
PLUMB PRECISION

## SIZE, AIM, SHOOT (SAS)

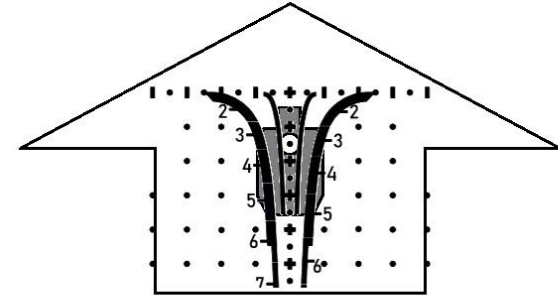
**SIZE** – Determine target size and therefore its range. (in yards or meters)

**AIM** – Using ballistic data (Charts, Ballistic Calculators, or Arc Range Markers) determine the point of impact. Place point of impact on desired location.

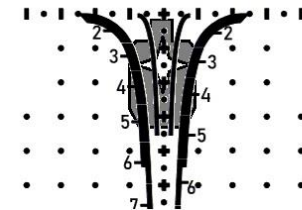
**SHOOT** – Engage the target as desired.



SIZE target using Arcs



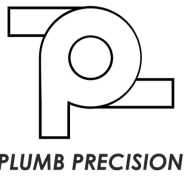
AIM using ballistic data



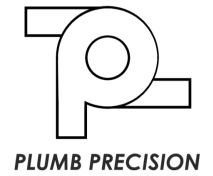
SHOOT with desired effect

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# USE OF THE PLUMB COMPETITION RETICLE



**RAPID SIZE, AIM, SHOOT (SAS) with ARCS ONLY**

**The Reticle Arcs are a blend of several calibers trajectories. Which allows for rapid uncalculated shots.**

**Although BDC Plumb reticles do exist, the Plumb Competition Reticle is not a true Bullet Drop Compensating reticle.**

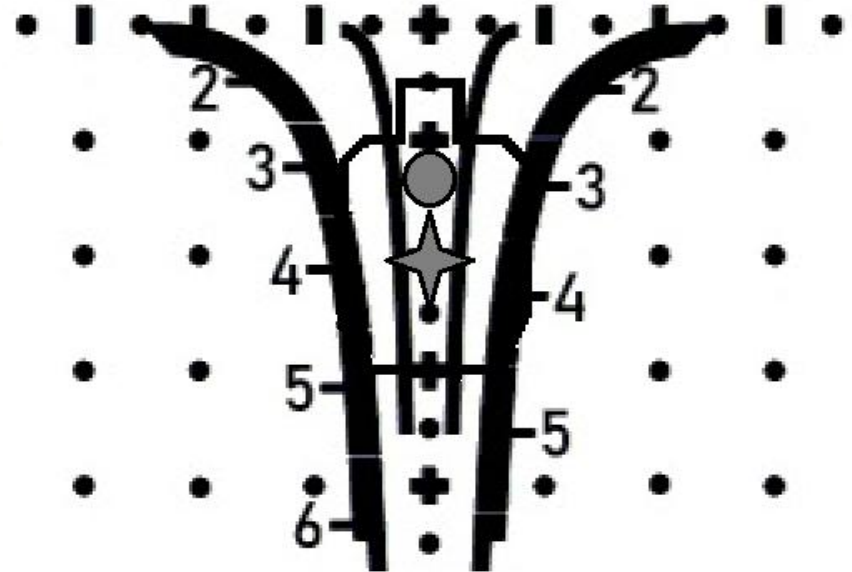
**With increasing distance, the variances caused by firearm and cartridge differences reduces the effectiveness of this method.**

**Plumb Precision Products recommends the following max ranges for this method :**

**5.56x45 -350-400 meters or yards**

**7.62x51 – 500-600 meters or yards**

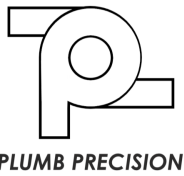
**6.5 Creedmore / 6.8 x51 – 700-800 meters or yards**



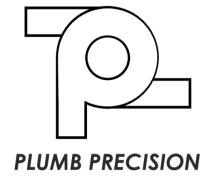
**While using ARCS ONLY ENGAGEMENT  
Point of Aim may vary from Point of  
Impact**

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# USE OF THE PLUMB COMPETITION RETICLE

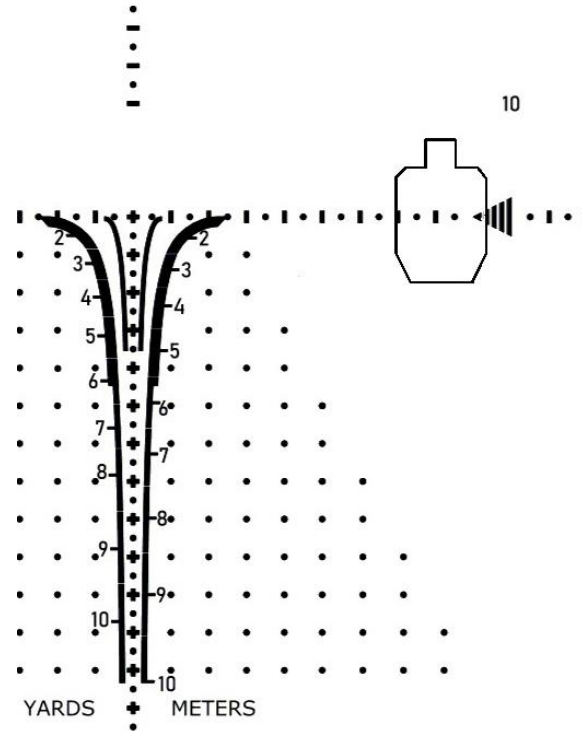


## USING INDEXING TRIANGLES FOR "MILLING"

The Indexing Triangles allow for very accurate milling. The Milling Triangles are made up of lines 0.1 milliradians wide.

This allows the user to put a target edge on a milliradian marker. Then count the full mils and tenth mil markers for very accurate measurements.

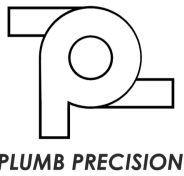
Then the size in inches x 25.4 (or millimeters) is divided by the number of milliradians. This provides the range to target in meters.



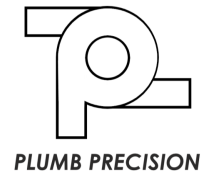
The IPSC target is shown as 2.2 Mils wide  
This equals 200 meters range  
(450 / 2.2 = 204)

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# **PLUMB COMPETITION RETICLE FAQs**



***“ Is the Plumb Competition Reticle usable on different firearms ?”***

***- Yes, but you must re-zero the firearm.***

***“ Is the Plumb Competition Reticle a Bullet Drop Compensating Reticle ?”***

***- No, but it is capable of accurately engaging IPSC targets with common NATO calibers without much adjustment to 300-350 meters and beyond.***

***“ Is the Plumb Competition Reticle tested on 7.62x39, 6 ARC, 6 CM, or 30.06 ?”***

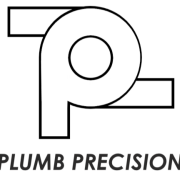
***- Yes, but their trajectories are not averaged in, they will have greater variances.***

***“” Does the Plumb Competition Reticle work for any caliber ?”***

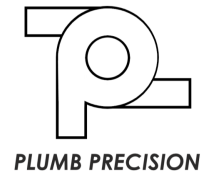
***- Yes and No, but ballistic data is critical, Rapid engagement using ARCs may not work well in some cases.***

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



# **PLUMB COMPETITION RETICLE FAQs**



**“ Is the Plumb Competition Reticle an Extreme Long Range reticle ?”**

**- No, but with the right packages, engagements to 1000 meters and beyond are possible**

**“ Does the Plumb Competition Reticle allow for close range engagements ?”**

**- Yes, depending on specific applications, such as dual focal plane optics, elements of the Plumb Reticle provide near holographic sight features and detailed ranging capabilities.**

**“ Can you use the Plumb Competition Reticle for hunting ?”**

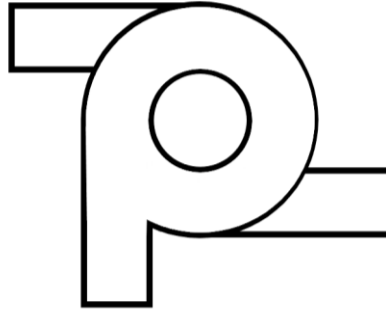
**- Yes, but you must know the rough size of certain features of the prey animal. This information will allow you to range using the Milling Triangles and in certain cases the Ranging ARCs.**

**“ Why do we zero the Plumb Competition Reticle twice ?”**

**- The 25 meter (or yard) zero provides the data needed for close range engagements. When certain stages have shoot and “no-shoot” targets close and far targets. The Plumb Competition Reticle will help prevent low shots into “no-shoot” targets if the user properly collects and uses this data.**

**PROTECTED UNDER US PATENT 10,073,277 (PLUMB)**

The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.



**PLUMB PRECISION**

**[www.plumbprecision.com](http://www.plumbprecision.com)**

*The end user of the Plumb Precision Products LLC Competition Reticle assumes all risk in the use of the product. Firearms and associated technologies carry risk if used improperly. The end user of the product assumes all liability for the improper use of the technology. By purchasing products that use Plumb Precision Products LLC's technology, the end user of the technology agrees to use the technology in a safe, appropriate, and lawful manner. The end user of the technology indemnifies Plumb Precision Products LLC of any liability, or claim, suit, action, or loss that results from the use of the technology. Plumb Precision Products LLC is specifically indemnified from willful negligence, unsafe or inappropriate use, or non-compliance with safe practices by the end user.*