



INTEGRIX™
CHALLENGING WHAT'S STANDARD.

www.iXOptics.com



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A CRITICAL DECISION MADE OFTEN BY SHOOTERS IS WHAT OPTIC TO PICK FOR THEIR FIREARMS. IT IS A DECISION, ONE OF INTEGRITY AND INTELLIGENCE TO JUSTIFY WHAT WE CONSIDER TO BE QUALITY.

THE VOICE OF THE CUSTOMER HAS SPOKEN. LEAPERS HAS LISTENED, AND LISTENED WITH DECADES OF ATTENTION AS WELL AS PERSISTENT R&D. WE HAVE LEARNED THAT QUALITY OPTICS ACHIEVE OPTIMAL PERFORMANCE ONLY WHEN SUPERIOR OPTICAL DESIGN AND MECHANICAL PRECISION INTEGRATE SEAMLESSLY UNDER THE STRICTEST TOLERANCE CONTROL. WHEN SUCH STANDARDS ARE MET AT THE MANUFACTURING LEVEL, OUR CUSTOMERS' DREAMS COME TRUE.

LEAPERS BRINGS TO THE FOREFRONT OF SHOOTERS, THE CULMINATION OF INTEGRATED AND INTELLIGENT OPTICAL DESIGN AND MANUFACTURING. **THIS IS INTEGRIX.**



INTEGRIX™

CHALLENGING WHAT'S STANDARD.

INTEGRIX™ OPTICS

THE NEW PREMIUM BRAND FROM LEAPERS, INC.



Leapers has outfitted shooters for more than 30 years. Most, if not all, have come across our well-established brands online, at a gun show, and at the local gun shop down the street. Our mission? To promote a quality lifestyle through innovative and solution-oriented hunting and shooting sports optics and accessories with complete concept-to-delivery services to customers all over the world. Innovation, quality,

value, and service are central to every one of our brands.

Leapers is excited to announce the launch of a premium optics brand, INTEGRIX. A premier series comprised of low power variable, mid power, and extreme long-range optics tailored to reach new and continued customers alike. INTEGRIX optics starts with the end user. Intensive market research and discussions with users from

different topographical areas - sports shooters of different disciplines, hunters from different nations, and users in the police and military - make it possible to recognize the constantly changing and growing requirements for optimal optics. To observe a vast area, acquire and identify, and then hit a target with pinpoint accuracy at short, medium, and long distance, optics with maximum resolution, the highest light transmission, and extreme repeatability are required.

In addition to our long-standing tradition as a solution-provider for firearms optics, Leapers has also dealt with the complex mechanical and optical challenges regularly faced when using optics on air rifles. The fast-paced and continued development of PCP air rifles, their uses at ever greater distances, and their growing popularity and acceptance amongst hunters are all critical factors considered and included in the development of INTEGRIX.

INTEGRIX



INTEGRIX™ OPTICS

THE OPTIMAL PRODUCT EXPERIENCE

Standard to INTEGRIX is an optimized and large field of view (FOV) which facilitates ideal circumstances for a positive identification (PID) of a target or multiple targets while observing critical details as to what is happening in the immediate vicinity. INTEGRIX optics' large exit pupil reliably provides a brighter image through the optic. This is particularly important during low-light conditions and directly translates to having a more generous and forgiving eye box.

When shooting from a less than ideal shooting position shooters have much more flexibility in their head positioning behind the optic and are less likely to lose their FOV completely from scope shadow. Eye relief has been tuned to integrate well throughout an INTEGRIX optic's magnification range, remaining large and consistent.

All the above attention to details sets the stage for the pinnacle performance shooters can expect from an INTEGRIX optic.

IX8 1-8X28 FFP

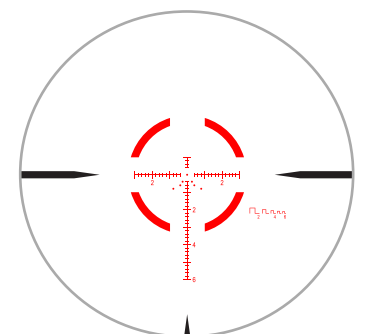


The INTEGRIX ix8 1-8X28 FFP was developed as the first riflescope in the INTEGRIX product line, aimed at defining new standards in optical performance for a 1-8X LPVO.



The optical clarity, maximum color accuracy, and its high

edge-to-edge resolution throughout its large field-of-view at all magnifications are simply groundbreaking for fast target acquisition. In addition, a large exit pupil of 10mm makes for quick readiness and target focus when shouldered.



The ix8 1-8X28 FFP is equipped with a specialized range-estimating MOA reticle. This fully illuminated reticle provides a separated crosshair to aid in quickly acquiring the target. A CQB circle provides a close-range aiming reference for rapid target acquisition at lower magnification. At distance, quick shoulder-to-shoulder or ear-to-ear references quickly estimate range without cluttering the view of the target. The reticle features adjustable red and

green illumination with a 12-hour automatic shutoff if left on unintentionally.

The CQB circle at lower magnifications allows users to quickly make shots by placing close range targets within the circle. At 1X magnification the circle can be used similarly to a red dot sight.



An optional extended throw lever is included and can be installed to aid in making swifter adjustments to the power ring. Windage and elevation adjustments are set securely by intuitive pull-to-open and push-to-close turrets. These serrated turrets are not only lockable and zero resettable, but precisely predictable, tactile, and audible.

At 10.9" (277mm) and 25.3oz (716g), the INTEGRIX iX8 1-8X28 FFP is pleasantly short and light with a true 1X magnification and 8X zoom power ratio. An ideal do-it-all for the ever popular AR and sporting rifle platforms and the best option for 3-Gun competition, CQB application and wild hog hunting.

With the 4X power ratio zoom of the iX4 3-12X50 First Focal Plane (FFP) optic, a classic rifle scope concept has been reimagined.

4 3-12X50 FFP



An extremely compact optic with a length of 11.7" (297mm), an enormous field of view of 7.2° (37.7'@100yards/12.6m@100m), and a large windage and elevation adjustment range is made possible by its 34mm tube. The compact design predestines the optic for use with both intermediate and magnum calibers and is particularly well-suited on firearms with limited mounting real estate or in tandem with another inline optical attachment.



The adjustable parallax ranges from 30yards (27.4m) to infinity allowing for a high level of precision adjustment.

An optimized exit pupil with a diameter of 13mm at low magnification and at a constant distance of 3.94" (100mm) makes sighting comfortable and safe.

The position of the optional red or green illuminated MOA reticle in the first image plane allows for intuitive range estimation.



Lockable and zero resettable windage and elevation turrets provide maximum adjustment range of 90 MOA (2.6m/100m) for elevation and +/- 12 MOA (+/- 0.6m/100m) for windage allowing for precise shots with various ammunition at long distances.

The optic is rounded off by a high-quality multi-layer coating, which achieves over a 92% light transmission. A bright and clear image is thus given even under poor lighting conditions at dusk.

The INTEGRIX iX4 3-12X50 FFP is an ideal optic for precision shooting at medium and long distances for tactical, sporting, and hunting use under low light and overcast weather conditions.

6 3-18X44 FFP



The short iX6 3-18X44 FFP represents a groundbreaking milestone in the development of compact long-range optics! The variable optic measures only 11.7" (297mm) and weighs just 28.6oz (811g) making it ideal for use with other attachments and intermediate-length firearms.

The large field-of-view of 7.2° (37.7'@100yards/12.6m@100m) allows for fast target acquisition with edge-to-edge clarity. Thanks to the high resolution at all magnifications, positive target identification is easily doable over long distances.

The INTEGRIX iX6 3-18X44 FFP is an ideal optic for tactical or sporting use when it comes to taking precision shots over long distances and is equally well suited for stalking or big game hunting. The superior optical performance, magnification range, low light capability and the compact size also make it suited for use with night vision or a thermal device attached at front.



SUPERIOR QUALITY.
RUGGED PERFORMANCE.
VIVID DETAIL.
THIS IS INTEGRIX™



LIFETIME WARRANTY

Leapers, Inc. warrants that all products conform to published specifications and are free from defects in material and workmanship. Leapers, Inc. will repair or replace a defective product for the duration of the product's life span. Verification through a Return Authorization (RA) number is required. If the product is discontinued, credit in the amount of the product's MSRP may be applied toward a replacement item.

Note: Our warranty does not extend to accidental damages, loss, negligence, misuse, products disassembled beyond normal maintenance, or unauthorized repair or alteration.

Please feel free to call us at (734) 542-1500, email us at integrix@leapers.com, or submit a warranty request form via our website at www.ixoptics.com/support for warranty and customer service inquiries.



INTEGRIX™

THE CULMINATION OF INTEGRATED & INTELLIGENT OPTICAL DESIGN & MANUFACTURING.

INTEGRIX is pinnacle performance. Years of experience were brought to the forefront through expert development and evaluation, countless testing, and meticulous manufacturing. German and Japanese glass lenses used exclusively in every INTEGRIX optic are individually concentration tested, multi-coated for glare, reflection, and scratch resistance, and upon assembly are inspected for concentricity as a whole.

THE END RESULT? Optimized image quality with over 92% light transmission, edge-to-edge sharpness, minute distortion, and high contrast resolution.

THE INTEGRIX™ STANDARD

HIGHER DEFINITION IMAGE QUALITY

- » Quality German SCHOTT and Japanese OHARA Glass
- » Multi-coated Lenses for Optimal Scratch Resistance and to Minimize Glare and Reflection
- » Advanced 92% Light Transmission
- » Striking Edge-to-edge Clarity with High Contrast Resolution
- » Superior Wide-angle Field of View
- » Smooth, Consistent, and Accurate Zoom Cam Curve

READY FOR WHEN AND WHERE IT COUNTS

- » IPX7 Waterproof Rated with -40°F to 160°F Operational Range
- » .338 LAPUA Magnum Caliber Rated
- » Red and Green Reticle Illumination
- » 12 Hour Automatic Shutoff
- » Guaranteed for Life

TAILORED ERGONOMICS

- » Intuitive Push/Pull Lockable and Zero Resettable Windage and Elevation Turrets
- » Predictable, Tactile, and Audible Click Values
- » Serrated Turrets, Power Ring, and Eyepiece Diopter Optimized for Gloved Use
- » Optional Throw Lever Included





A NEW TRAJECTORY TOWARDS AUGMENTED ACCURACY.



WORLD-CLASS LENSES & COATINGS

- Schott (Germany) & Ohara (Japan) glass
- Multi-coated Lenses for Optimal Scratch Resistance and to Minimize Glare and Reflection
- Tight Tolerance Control of Inner Lens Elements

LOCKABLE W/E ADJUSTMENT TURRETS

- Intuitive Push/Pull Lockable and Zero Resettable Windage and Elevation Turrets
- Predictable, Tactile, and Audible Click Values
- Serrated and Oversized for Gloved Use

POWER RING

- Optional Extended Throw Lever Included
- Effortless Transitioning Across Magnification Range

CONSTANT EYE RELIEF

- Maintains a Constant Eye Relief Throughout Its Entire Magnification Range

DIOPTER ADJUSTMENT

- The Wide Range of the Diopter Allows the Scope to be Fine-tuned to the User's Unique Vision for Optimized Reticle Clarity and Sharp Image Quality

SIDE TURRET

- Red and Green Reticle Illumination Adjustment with 12 Hour Automatic Shutoff
- Parallax Adjustment (iX801FA1 excluded)
- Battery Compartment

READY FOR WHEN AND WHERE IT COUNTS

- .338 LAPUA Magnum Caliber Rated
- IPX7 Waterproof Rated
- 40°F to 160°F Operational Range
- Guaranteed for Life





INTEGRIX™

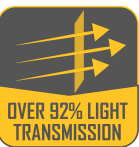
iX8

1-8X28 FFP
A1 MOA RETICLE / iX801FA1



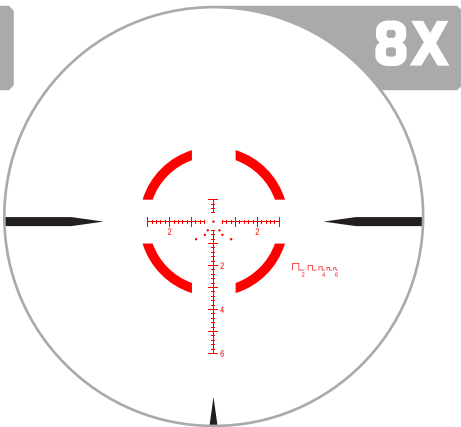
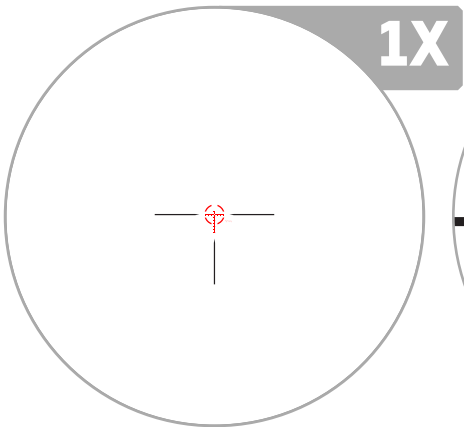
iX8 1-8X28 FFP / LPVO

iX801FA1



**ETCHED GLASS RANGE-ESTIMATING
A1 MOA RETICLE**

At 1X, a quick-to-acquire T-Dot enclosed within a 68 MOA segmented circle makes close up work, quick and to the point, functioning similarly to a dot sight. At higher magnifications the reticle opens up to provide users with a crisp 1 MOA center dot, range estimation out to 600 yards, and hash marks up to 60 MOA vertically for holdover and 30 MOA horizontally left and right in 2 MOA increments.



(* Refer to P. 024 for More Info.)

Focal Plane	FFP
Reticle	Etched Glass A1 MOA
Illumination	Red & Green, 10 Brightness Settings
Magnification	1X - 8X
Tube Diameter	34 mm
Objective Diameter	28 mm
Angular FOV	21.8° - 2.7°
Linear FOV @ 100 yds	115.5' - 14.1'
Linear FOV @ 100 m	38.5 m - 4.7 m
Elevation Travel	Up 60 MOA, Down 40 MOA

Windage Travel	Right 25 MOA, Left 25 MOA
Travel Per Revolution	50 MOA
Eye Relief	3.74" / 95 mm
Exit Pupil	10 mm - 3.5 mm
Diopter	-3D - +2D
Click Value	1/2 MOA
Parallax	Preset @ 100 yds / 91.4 m
Length	10.91" / 277 mm
Weight	25.3 oz / 716 g
Battery Type	CR2032



INTEGRIX™

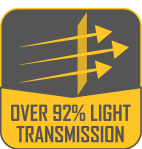


3-12X50 FFP
A2 MOA RETICLE / iX403FA2



iX4 3-12X50 FFP / MID POWER

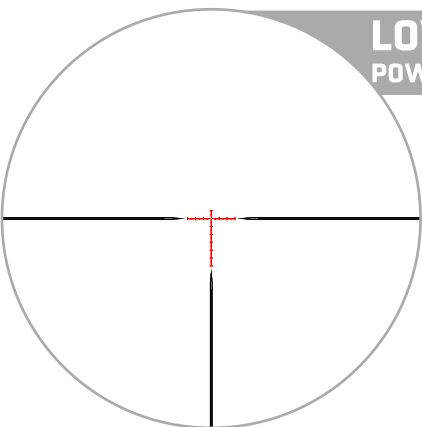
iX403FA2



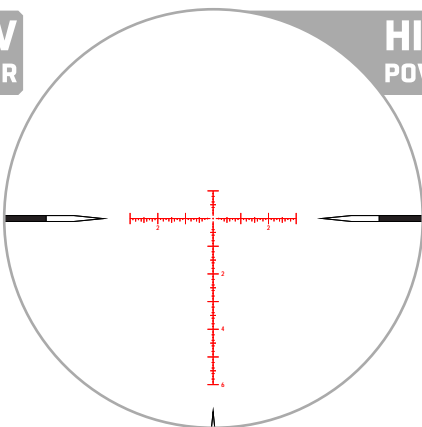
ETCHED GLASS A2 MOA RETICLE

Clutter-free at both low and high magnifications to supplement overall FOV qualities, the German Duplex inspired A2 MOA reticle features sub-tensions that transition from being bolded to see-through while tapering down to a fine point towards the reticle's center. The center crosshair, at low magnification, provides a quick-to-acquire T-Dot and fully illuminates.

The T-Dot at higher magnification opens up and provides an unobtrusive 0.5 MOA floating center dot which focuses the eyes to the center of the reticle and frees up space between it and the remainder of the reticle to provide a better view of critical target details. The reticle spans 10 MOA up and 60 MOA down and 30 MOA left and right in 1 MOA increments.



LOW
POWER



HIGH
POWER

(* Refer to P. 024 for More Info.)

Focal Plane	FFP
Reticle	Etched Glass A2 MOA
Illumination	Red & Green, 8 Brightness Settings
Magnification	3X - 12X
Tube Diameter	34 mm
Objective Diameter	50 mm
Angular FOV	7.2° - 1.8°
Linear FOV @ 100 yds	37.7' - 9.4'
Linear FOV @ 100 m	12.6 m - 3.1 m
Elevation Travel	Up 60 MOA, Down 30 MOA

Windage Travel	Right 12 MOA, Left 12 MOA
Travel Per Revolution	24 MOA
Eye Relief	3.94" / 100 mm
Exit Pupil	13 mm - 4.5 mm
Diopter	-3D - +2D
Click Value	1/4 MOA
Parallax	30 yds / 27.4 m - ∞
Length	11.69" / 297 mm
Weight	29.7 oz / 842 g
Battery Type	CR2032



INTEGRIX™



2-12X36 FFP
A2 MOA RETICLE / iX602FA2



iX6 2-12X36 FFP / MID POWER

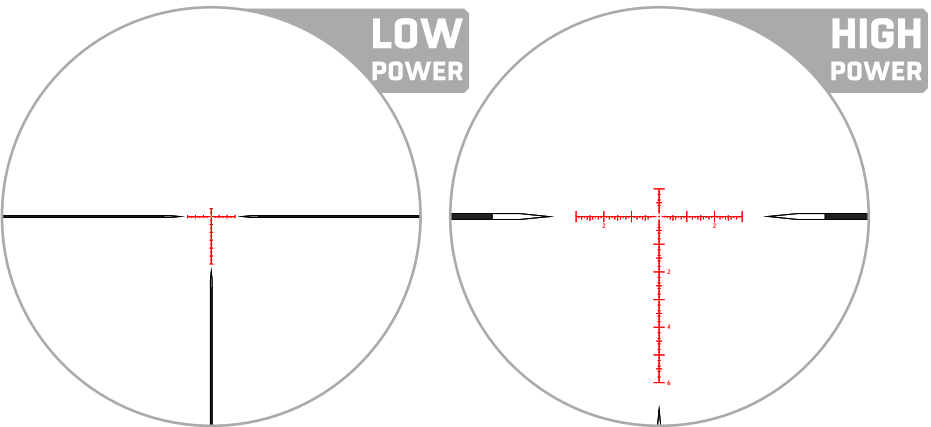
iX602FA2

- 2X-12X
MAGNIFICATION
- OVER 92% LIGHT
TRANSMISSION
- 3.94"
CONSTANT
EYE RELIEF
- FFP
FIRST
FOCAL PLANE
- SCHOTT
OHARA
QUALITY
GLASS
- EXTREME
CLIMATE PROOF
- IPX7
WATERPROOF
- RED/GREEN
ILLUMINATION
- 12 HOUR
AUTO SHUTOFF
- .338 LAPUA
MAGNUM RATED

ETCHED GLASS A2 MOA RETICLE

Clutter-free at both low and high magnifications to supplement overall FOV qualities, the German Duplex inspired A2 MOA reticle features sub-tensions that transition from being bolded to see-through while tapering down to a fine point towards the reticle's center. The center crosshair, at low magnification, provides a quick-to-acquire T-Dot and fully illuminates.

The T-Dot at higher magnification opens up and provides an unobtrusive 0.5 MOA floating center dot which focuses the eyes to the center of the reticle and frees up space between it and the remainder of the reticle to provide a better view of critical target details. The reticle spans 10 MOA up and 60 MOA down and 30 MOA left and right in 1 MOA increments.



(* Refer to P. 024 for More Info.)

Focal Plane	FFP	Windage Travel	Right 12 MOA, Left 12 MOA
Reticle	Etched Glass A2 MOA	Travel Per Revolution	24 MOA
Illumination	Red & Green, 8 Brightness Settings	Eye Relief	3.94" / 100 mm
Magnification	2X - 12X	Exit Pupil	10 mm - 3 mm
Tube Diameter	34 mm	Diopter	-3D - +2D
Objective Diameter	36 mm	Click Value	1/4 MOA
Angular FOV	10.9° - 1.8°	Parallax	10 yds / 9 m - ∞
Linear FOV @ 100 yds	57.2' - 9.4'	Length	10.75" / 273 mm
Linear FOV @ 100 m	19.1 m - 3.1 m	Weight	28.2 oz / 800 g
Elevation Travel	Up 60 MOA, Down 30 MOA	Battery Type	CR2032



INTEGRIX™

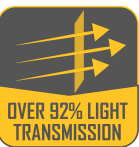
iX6

3-18X44 FFP
A2 MOA RETICLE / iX603FA2



iX6 3-18X44 FFP / MID POWER

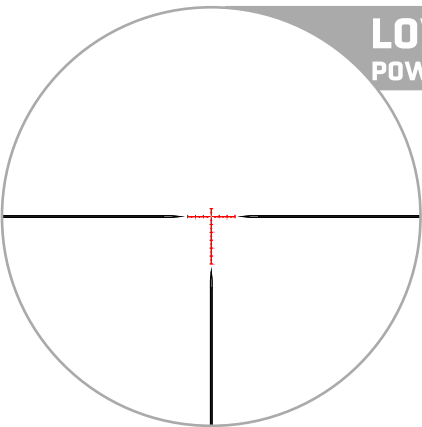
iX603FA2



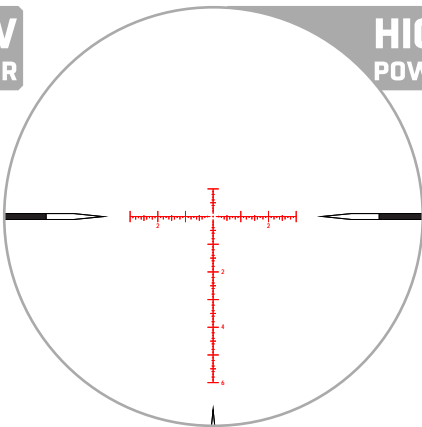
ETCHED GLASS A2 MOA RETICLE

Clutter-free at both low and high magnifications to supplement overall FOV qualities, the German Duplex inspired A2 MOA reticle features sub-tensions that transition from being bolded to see-through while tapering down to a fine point towards the reticle's center. The center crosshair, at low magnification, provides a quick-to-acquire T-Dot and fully illuminates.

The T-Dot at higher magnification opens up and provides an unobtrusive 0.5 MOA floating center dot which focuses the eyes to the center of the reticle and frees up space between it and the remainder of the reticle to provide a better view of critical target details. The reticle spans 10 MOA up and 60 MOA down and 30 MOA left and right in 1 MOA increments.



**LOW
POWER**



**HIGH
POWER**

(* Refer to P. 024 for More Info.)

Focal Plane	FFP
Reticle	Etched Glass A2 MOA
Illumination	Red & Green, 8 Brightness Settings
Magnification	3X - 18X
Tube Diameter	34 mm
Objective Diameter	44 mm
Angular FOV	7.2° - 1.2°
Linear FOV @ 100 yds	37.7' - 6.3'
Linear FOV @ 100 m	12.6 m - 2.1 m
Elevation Travel	Up 60 MOA, Down 30 MOA

Windage Travel	Right 12 MOA, Left 12 MOA
Travel Per Revolution	24 MOA
Eye Relief	3.94" / 100 mm
Exit Pupil	11 mm - 2.5 mm
Dioptr	-3D - +2D
Click Value	1/4 MOA
Parallax	30 yds / 27.4 m - ∞
Length	11.69" / 297 mm
Weight	28.6 oz / 811 g
Battery Type	CR2032



INTEGRIX™

iX6™

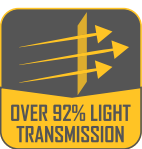
4.5-27X56 FFP
MRAD RETICLE / 34 MM

M1 MRAD / iX645FM1
M2 MRAD / iX645FM2
M3 MRAD / iX645FM3

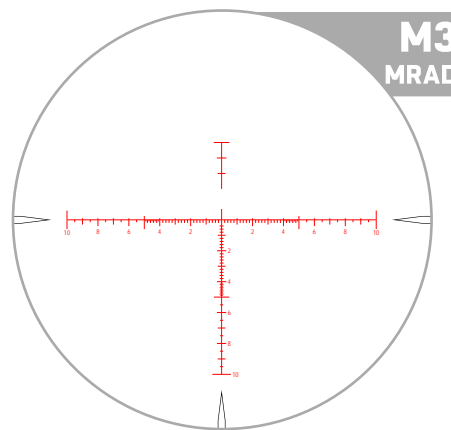
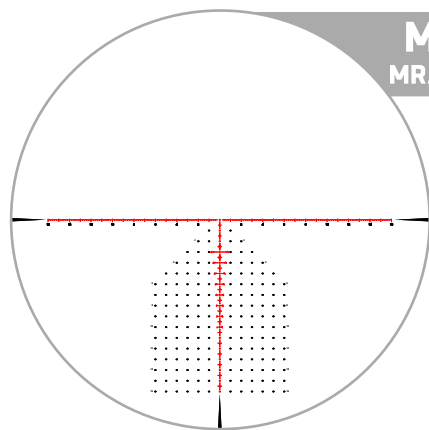
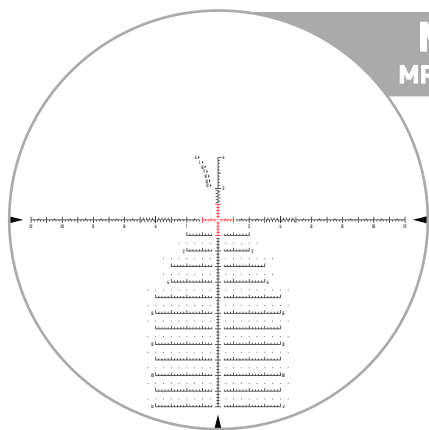


iX6 4.5-27X56 FFP / LR/ELR

iX645FM1



ETCHED GLASS M1 / M2 / M3 MRAD RETICLES

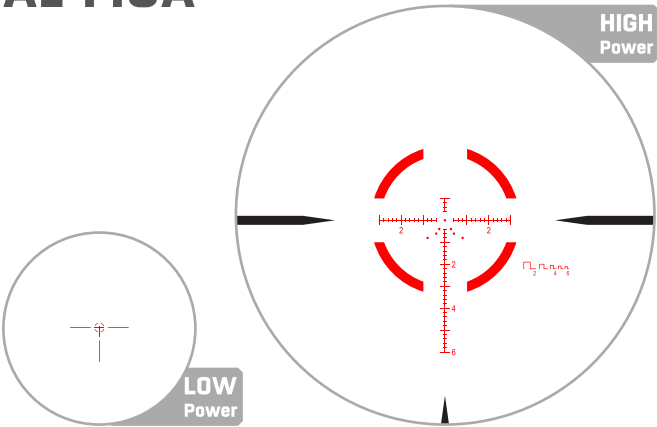


(* Refer to P. 025 for More Info.)

Focal Plane	FFP	Windage Travel	Right 4 MRAD, Left 4 MRAD
Reticle	Etched Glass M1 / M2 / M3 MRAD	Travel Per Revolution	8 MRAD
Illumination	Red & Green, 8 Brightness Settings	Eye Relief	3.94" / 100 mm
Magnification	4.5X - 27X	Exit Pupil	11 mm - 2.1 mm
Tube Diameter	34 mm	Diopter	-3D - +2D
Objective Diameter	56 mm	Click Value	0.1 MRAD
Angular FOV	4.8° - 0.8°	Parallax	30 yds / 27.4 m - ∞
Linear FOV @ 100 yds	25.1' - 4.2'	Length	13.98" / 355 mm
Linear FOV @ 100 m	8.4 m - 1.4 m	Weight	35.1 oz / 996 g
Elevation Travel	Up 16 MRAD	Battery Type	CR2032

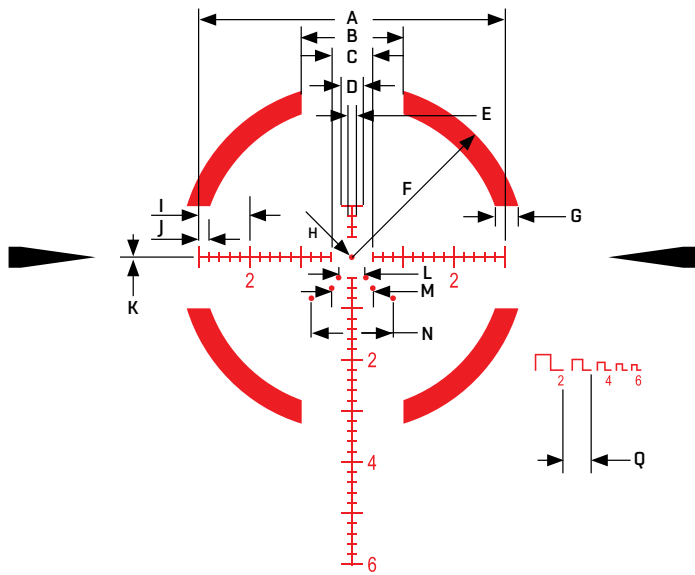
MOA RETICLES

GLASS RETICLE
RANGE-ESTIMATING
A1 MOA



At 1X, a quick-to-acquire T-Dot enclosed within a 68 MOA segmented circle makes close up work, quick and to the point, functioning similarly to a dot sight. At higher magnifications the reticle opens up to provide users with a crisp 1 MOA center dot, range estimation out to 600 yards, and hash marks up to 60 MOA vertically for holdover and 30 MOA horizontally left and right in 2 MOA increments.

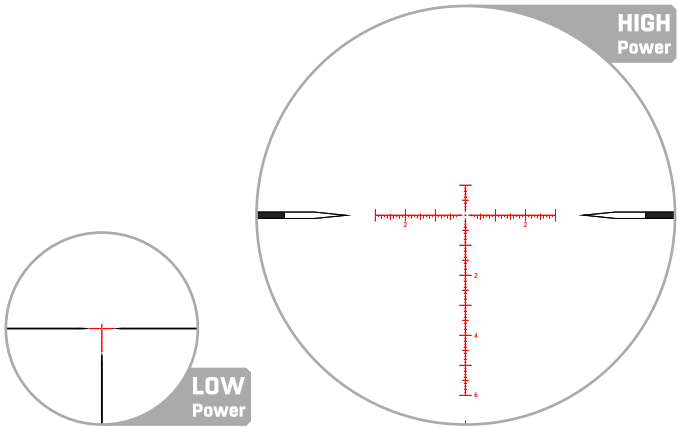
>> iX801FA1 / 1-8X28mm / RG (pg.015)



Unit	A	B	C	D	E	F	G	H	I	J	K
MOA	60	20	8	4	2	34	4	1	10	2	0.25

Unit	L	M	N	Q
inch @ 100 yards			18	
inch @ 200 yards		18		
inch @ 300 yards	18			18

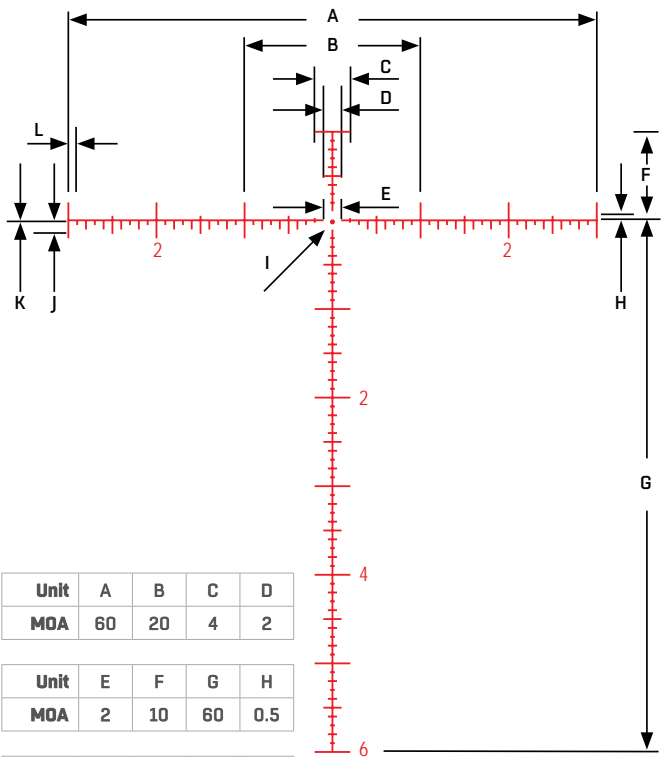
GLASS RETICLE
A2 MOA



Clutter-free at both low and high magnifications to supplement overall FOV qualities, the German Duplex inspired A2 MOA reticle features sub-tensions that transition from being bolded to see-through while tapering down to a fine point towards the reticle's center. The center crosshair, at low magnification, provides a quick-to-acquire T-Dot and fully illuminates.

The T-Dot at higher magnification opens up and provides an unobtrusive 0.5 MOA floating center dot which focuses the eyes to the center of the reticle and frees up space between it and the remainder of the reticle to provide a better view of critical target details. The reticle spans 10 MOA up and 60 MOA down and 30 MOA left and right in 1 MOA increments.

>> iX403FA2 / 3-12X50mm / RG (pg.017)
>> iX602FA2 / 2-12X36mm / RG (pg.019)
>> iX603FA2 / 3-18X44mm / RG (pg.021)



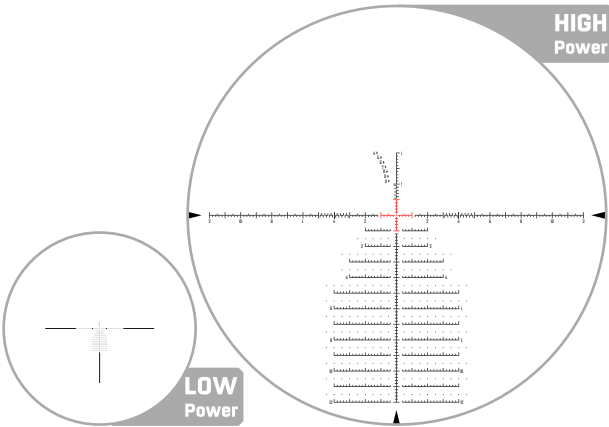
Unit	A	B	C	D
MOA	60	20	4	2

Unit	E	F	G	H
MOA	2	10	60	0.5

Unit	I	J	K	L
MOA	0.5	1.5	0.125	1

MRAD RETICLES

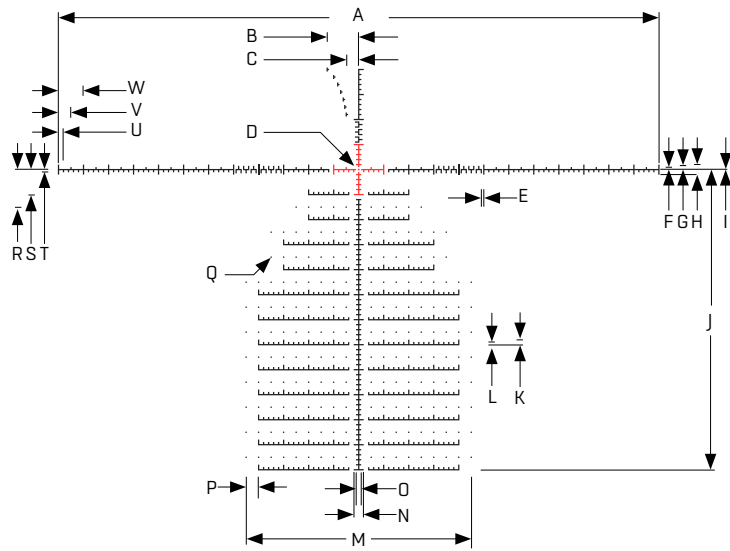
GLASS RETICLE
M1 MRAD



A tried-and-true MRAD Reticle made for true marksmen looking to challenge themselves at ranges most could not reach. 12 Mils of holdovers broken into .2 Mil increments for exact shot placement. Four Mils of hold-under for that prairie dog that pops up a little close and a 1 Mil section of .1 Mil increments for fine measuring, if you know you know. Twenty-four Mils of wind holds on the main horizontal stadia includes 2 Mils of .1 Mil increments on both sides.

Do not be afraid to have fun in the wind with up to 4.5 Mils of wind holds. Finally, if you feel like just dialing, a 0.05 Mil dot for your center hold will prove to be the precise aiming point needed to hit your mark. The center hold and one Mil of the crosshairs are the only parts of the M2 MRAD reticle that illuminates.

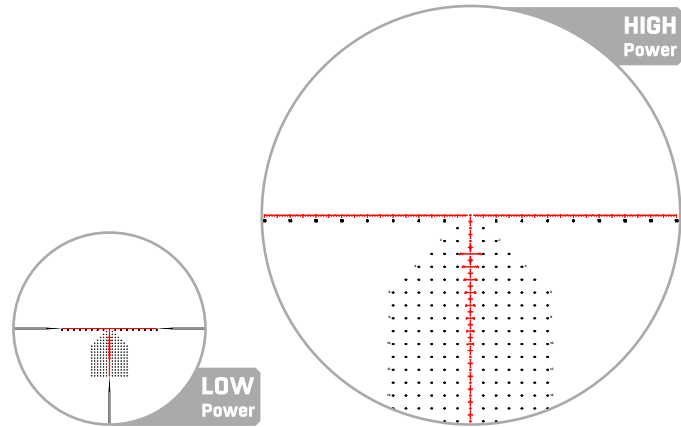
>> iX645FM1 / 4.5-27X56mm / RG (pg.023)



Unit	A	D	E	F	G	H	I	J	K	L	M
MRAD	24	0.05	0.1	0.1	0.15	0.4	0.03	12	0.2	0.1	9
Unit	N	O	P	Q	R	S	T	U	V	W	
MRAD	0.4	0.2	0.5	0.05	1.5	1	0.1	0.2	0.5	1	

Unit	B	Unit	C
inch @ 400 yards	18	inch @ 1000 yards	18

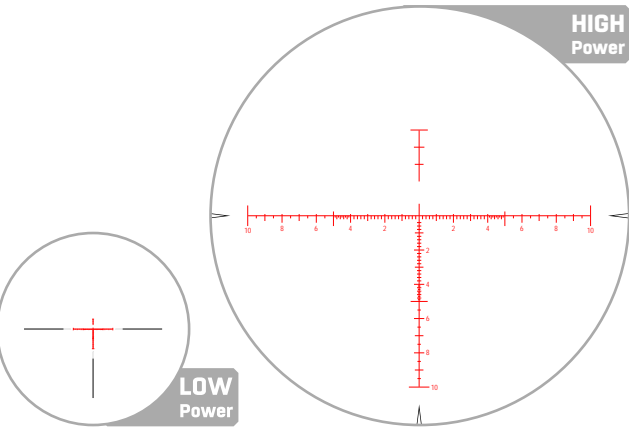
GLASS RETICLE
M2 MRAD



A modern clutter free and minimalist MRAD reticle, built for the tactical yet simple marksman. A wide-open top half of the glass makes the most of your FOV with a .2 Mil floating donut as your center hold. Additional holds can be found throughout the main vertical stadia spaced out in 1 Mil increments. Wind holds are also spaced out in 1 Mil increments out to 6 Mils. Your main horizontal stadia has .2 Mil increments on the bottom and .5 Mil hashes up top with 2 Mils of .1 Mil increments for fine measuring found on both sides. Your main vertical stadia is spaced out in .2 Mil increments with .5 Mil markings in the center of the segments. 2 Mils of .1 Mil increments are also applied to this stadia. We have included ranging brackets from 300 yards out to 1,000 for targets 6-9 inches or 12-18 inches wide. The main stadia's and the ranging brackets will be the only illuminated portions of the reticle.

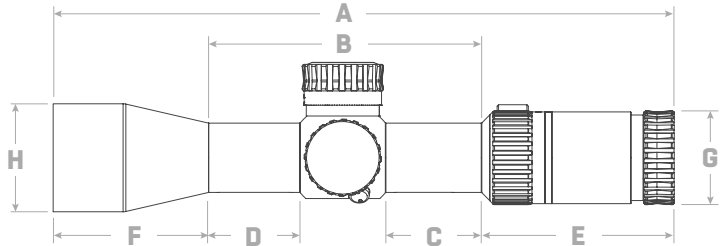
>> iX645FM2 / 4.5-27X56mm / RG (pg.023)

GLASS RETICLE
M3 MRAD



Back to the basics with a simple MRAD style crosshair. You start off with 4 Mils of .2 Mil increments. You get 1 Mil of .1 Mil increments then it changes to .5 Mil increments out to 10 Mils. A set of hold-under from 2-5 Mils tops it off. No clutter just nice and simple. The entire crosshair beside its hold-under portion is illuminated.

>> iX645FM3 / 4.5-27X56mm / RG (pg.023)



STRUCTURAL SPECIFICATIONS

	IX801FA1		IX403FA2	
Magnification	Low Power: 1	High Power: 8	Low Power: 3	High Power: 12
Focal Plane	First Focal Plane		First Focal Plane	
Parallax	Preset @ 100 yds / 91.4 m		30 yds / 27.4 m - Infinity	
Reticle Type	MOA		MOA	
Reticle Pattern	A1 Reticle with 18" Target Range Estimating		A2 Reticle	
Daylight Visible Reticle	Yes		Yes	
Illuminated Color	Red & Green, 10 Brightness Settings		Red & Green, 8 Brightness Settings	
Brightness Setting	Side Rotary Tower / Positive Mechanical Stop		Integrated with Side A.O. Press / Positive Logical Stop	
Auto Shutoff Feature	12 Hours		12 Hours	
Battery Type	CR2032 3V		CR2032 3V	
Click Value	1/2 MOA		1/4 MOA	
Elevation Travel	Up 60 MOA, Down 40 MOA		Up 60 MOA, Down 30 MOA	
Windage Travel	Right 25 MOA, Left 25 MOA		Right 12 MOA, Left 12 MOA	
Travel Per Revolution	50 MOA		24 MOA	
Elevation Turret Locking	Pull to Unlock / Push to Lock		Pull to Unlock / Push to Lock	
Windage Turret Locking	Pull to Unlock / Push to Lock		Pull to Unlock / Push to Lock	
Waterproof	IPX7 Waterproof (1 Meter for 30 Minutes)		IPX7 Waterproof (1 Meter for 30 Minutes)	
Recoil Proof	.338 Lapua Magnum & .308 Caliber Rated		.338 Lapua Magnum & .308 Caliber Rated	
Fog Proof	Nitrogen Purged		Nitrogen Purged	
Temperature Operating Range	-40°F to +160°F / -40°C to +70°C		-40°F to +160°F / -40°C to +70°C	
Country of Manufacture	Taiwan		Taiwan	

OPTICAL SPECIFICATIONS

	LOW POWER	HIGH POWER	LOW POWER	HIGH POWER
Magnification	1	8	3	12
Angular FOV	21.8°	2.7°	7.2°	1.8°
Linear FOV @ 100 yds	115.5'	14.1'	37.7'	9.4'
Linear FOV @ 100 m	38.5 m	4.7 m	12.6 m	3.1 m
Exit Pupil Diameter	11 mm	3.5 mm	13 mm	4.5 mm
Eye Relief	3.7" / 94 mm	3.5" / 90 mm	3.94" / 100 mm	
Parallax	Preset @ 100 yds / 91.4 m		30 yds / 27.4 m - Infinity	
Ocular Diopter Adjustment	-3D - +2D		-3D - +2D	
Lens Coating	Multi-layer Anti-reflection Coating		Multi-layer Anti-reflection Coating	
Light Transmission	92%		92%	
Effective Objective Diameter	28 mm		50 mm	

DIMENSIONS

Overall Length (A)	10.91"	277 mm	11.69"	297 mm
Eyepiece Bell to Objective Bell Length (B)	6.42"	163 mm	5.28"	134 mm
Eyepiece Bell to Turret Length (C)	2.64"	67 mm	1.77"	45 mm
Objective Bell to Turret Length (D)	2.17"	55 mm	1.85"	47 mm
Ocular Tube Length (E)	3.39"	86 mm	3.39"	86 mm
Objective Tube Length (F)	1.06"	27 mm	3.07"	78 mm
Eyepiece Diameter (G)	1.81"	46 mm	1.81"	46 mm
Objective Diameter (H)	1.38"	35 mm	2.32"	59 mm
Tube Diameter	1.34"	34 mm	1.34"	34 mm
Elevation Turret Height	1.00"	25.5 mm	1.00"	25.5 mm
Windage Turret Height	1.00"	25.5 mm	1.00"	25.5 mm
Parallax/Illumination Turret Height	0.87"	22 mm	0.94"	24 mm
Elevation Turret Diameter	1.57"	40 mm	1.57"	40 mm
Windage Turret Diameter	1.57"	40 mm	1.57"	40 mm
Parallax/Illumination Turret Diameter	1.42"	36 mm	1.50"	38 mm
Weight	25.3 oz	716 g	29.7 oz	842 g

FIND WHAT'S RIGHT FOR YOU

STRUCTURAL SPECIFICATIONS

STRUCTURAL SPECIFICATIONS	IX602FA2		IX603FA2		IX645FM1	
	Low Power: 2	High Power: 12	Low Power: 3	High Power: 18	Low Power: 4.5	High Power: 27
Magnification	First Focal Plane		First Focal Plane		First Focal Plane	
Focal Plane	10 yds / 9m - Infinity		30 yds / 27.4 m - Infinity		30 yds / 27.4 m - Infinity	
Parallax	MOA		MOA		MRAD	
Reticle Type	A2 Reticle		A2 Reticle		M1 Reticle (M2, M3 Reticle Available)	
Reticle Pattern	Yes		Yes		Yes	
Daylight Visible Reticle	Red & Green, 8 Brightness Settings		Red & Green, 8 Brightness Settings		Red & Green, 8 Brightness Settings	
Illuminated Color	Integrated with Side A.O. Press / Positive Logical Stop					
Brightness Setting	12 Hours		12 Hours		12 Hours	
Auto Shutoff Feature	CR2032 3V		CR2032 3V		CR2032 3V	
Battery Type	1/4 MOA		1/4 MOA		0.1 MRAD	
Click Value	Up 60 MOA, Down 30 MOA		Up 60 MOA, Down 30 MOA		Up 16 MRAD	
Elevation Travel	Right 12 MOA, Left 12 MOA		Right 12 MOA, Left 12 MOA		Right 4 MRAD, Left 4 MRAD	
Windage Travel	24 MOA		24 MOA		8 MRAD	
Travel Per Revolution	Pull to Unlock / Push to Lock		Pull to Unlock / Push to Lock		Pull up to Unlock / Push Down to Lock	
Elevation Turret Locking	Pull to Unlock / Push to Lock		Pull to Unlock / Push to Lock		Pull up to Unlock / Push Down to Lock	
Windage Turret Locking	IPX7 Waterproof (1 Meter for 30 Minutes)		IPX7 Waterproof (1 Meter for 30 Minutes)		IPX7 Waterproof (1 meter for 30 minutes)	
Waterproof	.338 Lapua Magnum & .308 Caliber Rated		.338 Lapua Magnum & .308 Caliber Rated		.338 Lapua Magnum and .308 Caliber Rated	
Recoil Proof	Nitrogen Purged		Nitrogen Purged		Nitrogen Purged	
Fog Proof	-40°F to +160°F / -40°C to +70°C		-40°F to +160°F / -40°C to +70°C		-40°F to +160°F / -40°C to +70°C	
Temperature Operating Range	Taiwan		Taiwan		Taiwan	
Country of Manufacture						

OPTICAL SPECIFICATIONS

	LOW POWER	HIGH POWER	LOW POWER	HIGH POWER	LOW POWER	HIGH POWER
Magnification	2	12	3	18	4.5	27
Angular FOV	10.9°	1.8°	7.2°	1.2°	4.8°	0.8°
Linear FOV @ 100 yds	57.2'	9.4'	37.7'	6.3'	25.1'	4.2'
Linear FOV @ 100 m	19.1 m	3.1 m	12.6 m	2.1 m	8.4 m	1.4 m
Exit Pupil Diameter	10 mm	3 mm	11 mm	2.5 mm	11 mm	2.1 mm
Eye Relief	3.94" / 100 mm		3.94" / 100 mm		3.94" / 100 mm	
Parallax	10 yds - Infinity		30 yds / 27.4 m - Infinity		30 yds / 27.4 m - Infinity	
Ocular Diopter Adjustment	-3D - +2D		-3D - +2D		-3D - +2D	
Lens Coating	Multi-layer Anti-reflection Coating		Multi-layer Anti-reflection Coating		Multi-layer Anti-reflection Coating	
Light Transmission	92%		92%		92%	
Effective Objective Diameter	36 mm		44 mm		56 mm	

DIMENSIONS

Overall Length (A)	10.75"	273 mm	11.69"	297 mm	13.98"	355 mm
Eyepiece Bell to Objective Bell Length (B)	5.47"	139 mm	5.28"	134 mm	5.71"	145 mm
Eyepiece Bell to Turret Length (C)	2.01"	51 mm	1.85"	47 mm	1.97"	50 mm
Objective Bell to Turret Length (D)	1.81"	46 mm	1.77"	45 mm	1.97"	50 mm
Ocular Tube Length (E)	3.46"	88 mm	3.46"	88 mm	3.46"	88 mm
Objective Tube Length (F)	1.77"	45 mm	3.03"	77 mm	4.84"	123 mm
Eyepiece Diameter (G)	1.81"	46 mm	1.81"	46 mm	1.81"	46 mm
Objective Diameter (H)	1.81"	46 mm	2.09"	53 mm	2.56"	65 mm
Tube Diameter	1.34"	34 mm	1.34"	34 mm	1.34"	34 mm
Elevation Turret Height	1.00"	25.5 mm	1.00"	25.5 mm	1.00"	25.5 mm
Windage Turret Height	1.00"	25.5 mm	1.00"	25.5 mm	1.00"	25.5 mm
Parallax/Illumination Turret Height	0.94"	24 mm	0.94"	24 mm	0.94"	24 mm
Elevation Turret Diameter	1.57"	40 mm	1.57"	40 mm	1.57"	40 mm
Windage Turret Diameter	1.57"	40 mm	1.57"	40 mm	1.57"	40 mm
Parallax/Illumination Turret Diameter	1.50"	38 mm	1.50"	38 mm	1.50"	38 mm
Weight	28.2 oz	800 g	28.6 oz	811 g	35.1 oz	996 g

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