

THE FORCE OF OPTICS

2014



HUNTING
OPTICS

VORTEX

RIFLESCOPES | RED DOTS | RANGEFINDERS | BINOCULARS | MONOCULARS | SPOTTING SCOPES





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THE FORCE OF OPTICS

2014



HUNTING
OPTICS

FOR THE RECORD, WHINING DOESN'T SOUND ANYTHING LIKE A BUGLING ELK.

ONE SHOT. MAKE IT COUNT AND LET EVERYONE ELSE BACK AT CAMP DO THE WHINING. EVERYONE NOT SPORTING VORTEX OPTICS ON THEIR RIFLE OR AROUND THEIR NECK. WHEN IT COMES TO MAKING IT COUNT, WE MAKE SURE OUR OPTICS WILL DELIVER – AS THEY SHOULD AND THEN SOME. FOR THIS REASON, EXPERIENCED HUNTERS HAVE COME TO RELY ON VORTEX FOR THEIR SUPERIOR PERFORMANCE AND INCREDIBLE PRECISION. FROM RIFLESCOPES TO BINOS – AND EVERYTHING IN BETWEEN – THERE'S NO WHINING GOING ON OVER HERE.

VORTEX®

HUNTING OPTICS | THE FORCE OF OPTICS



RAZOR® HD GEN II

4.5-27x56 / 3-18x50 RIFLESCOPES

MADE TO EXACTING STANDARDS –
as in exactly what you need to bring it.

Our all-new new Razor® HD Gen II riflescopes are designed and engineered for dialing precision long-range shots in extreme environments. Available in 4.5-27x56 and 3-18x50 configurations, these scopes have serious precision shooters saying “finally.” All-new, state-of-the-art and deadly accurate, they feature APO (apochromatic) objective lens systems and HD (High Density) extra-low dispersion glass to deliver the ultimate in high-definition image resolution and color fidelity. With a 6X zoom range, a 34mm one-piece aircraft-grade aluminum tube, and our sophisticated new L-Tec™ Turret System – plus a host of additional high-performance features – these are the new frontrunners in the race for the ultimate precision, long range optics.

COMPLETELY
NEW
FOR 2014

3-18 X 50
34MM TUBE

Patented Design



4.5-27 X 56
34MM TUBE

4 RIFLESCOPES

FEATURES

RAZOR HD GEN II / 4.5-27x56 | 3-18x50



APO (apochromatic) objective lens system uses index-matched lenses to correct color across the entire visual spectrum.

HD (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Plasma Tech™ application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

34mm diameter main tube with Stealth Shadow finish.

First focal plane illuminated glass-etched reticle.

Matching turrets and reticles in mrad or MOA (select models).

Fast-focus eyepiece.

L-Tec™ turrets with locking mechanism provide fast, accurate, easily read elevation and windage adjustments. Patent pending.

6x zoom range.

RAZOR® HD GEN II

1-6x24 RIFLESCOPES

NANOSECONDS WELL SPENT.

Designed specifically for the AR platform, the Razor® HD Gen II 1-6x24 is the ideal optical solution for short to medium-range tactical applications. With generous eye relief for fast target acquisition, they feature HD lens elements, an APO objective lens system and our proprietary XRPlus™ anti-reflective coatings to deliver the highest level of clarity, resolution, color accuracy, light transmission and edge-to-edge sharpness obtainable. Built like a tank on a 30mm, one-piece aircraft-grade aluminum tube, o-ring seals and argon gas purging guarantees 100% waterproof/fogproof/dustproof performance.

ADDED NEW
MODELS
FOR 2014

1-6 X 24
30MM TUBE

Patented Design



LOCKING SIDE ILLUMINATION

Integrated on the side focus for easy access. Locks illumination at preferred setting and features eleven intensity levels of illumination with off positions between each setting.

FEATURES

RAZOR HD GEN II / 1-6x24



APO (apochromatic) objective lens system uses index-matched lenses to correct color across the entire visual spectrum.

HD (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Plasma Tech™ application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm diameter main tube with Stealth Shadow finish.

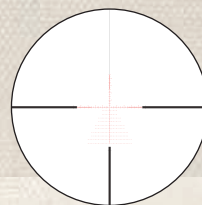
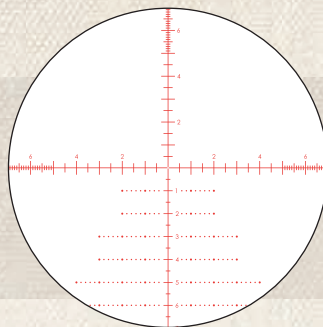
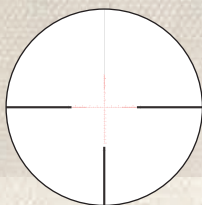
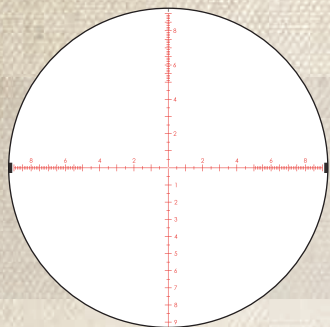
Matching turrets and reticles in mrad or MOA (select models).

Fast-focus eyepiece.

6x zoom range.

**L-TEC™ TURRETS**

Integrated locking mechanism prevents accidental adjustments. Turrets provide fast, accurate, easily read elevation and windage adjustments. Using rugged internal components, the L-Tec zero stop assists reliable return to zero. Patent pending.



Close-up views of reticle shown here. See pages 62 and 63 for more detailed information on available reticles.

RAZOR HD GEN II EBR-1C RETICLE

New for 2014, the EBR-1C is a hashmarked ranging reticle using MRAD-based subtension lines for ranging, holdover and windage corrections.

RAZOR HD GEN II EBR-2C RETICLE

New for 2014, the EBR-2C is a hashmarked ranging reticle using MOA or MRAD-based subtension lines for ranging, holdover and windage corrections. Includes windage reference dots on drop lines.

RAZOR HD GEN II RIFLESCOPES

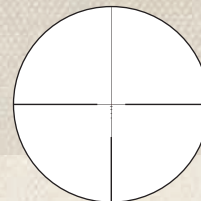
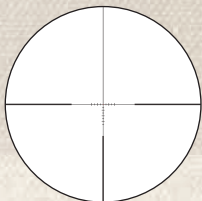
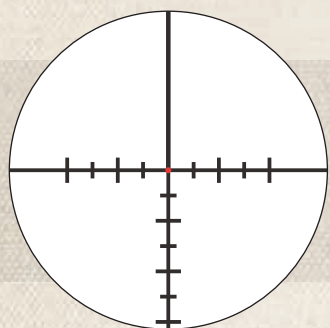
MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE	
34mm Tube	* 4.5-27 x 56 FFP	EBR-1C MRAD EBR-2C MOA EBR-2C MRAD	48.5 oz	14.4"	25.3 - 4.4'	3.7"	L-Tec
	* 3-18 x 50 FFP	EBR-2C MOA EBR-2C MRAD	46.5 oz	14.4"	37.8 - 6.25'	3.7"	L-Tec

* New Model for 2014 Dual Use: Shooting Tactical / Hunting

US Patent 7,958,665



A true daylight-bright illuminated center dot gives shooters red dot sight functionality and ultimate close-quarters versatility. Illumination is accessed and activated via the locking illumination dial positioned cleanly on the left side of the turret housing.



Close-up views of reticle shown here. See page 63 for more detailed information on available reticles.

RAZOR HD GEN II VMR-2 RETICLE

New for 2014, the VMR-2 (Vortex Milling Reticle) is a hashmarked ranging reticle using MOA or MRAD-based subtension lines for ranging, holdover and windage corrections.

RAZOR HD GEN II JM-1 RETICLE

Designed with input from world-renowned competitive shooter, instructor and gunsmith, Jerry Miculek, the Vortex-exclusive JM-1 BDC reticle facilitates rapid, accurate shooting at distances from 0 to 600 yards. MOA-based subtension lines.

RAZOR HD GEN II RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE	
30mm Tube	1-6 x 24	*VMR-2 MOA *VMR-2 MRAD JM-1 MOA	25.2 oz	10.1"	115.2 - 20.5'	4.0"	Low Capped

* New Model for 2014 Dual Use: Shooting Tactical / Hunting

US Patent 7,958,665



RAZOR® HD

RIFLESCOPIES



5-20 X 50
35MM TUBE

Patented Design

The Razor® HD meets the demands of extreme hunting situations. A state-of-the-art, long-range performer, it is built on a 35mm one-piece tube and packed with more than a dozen unique performance and optical features – including Vortex's proprietary hash marked MOA and mrad ranging reticles. Simply put, the Razor HD has redefined precision scope performance in an industry where anything less has no place.

FEATURES

RAZOR HD



- HD (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.
- XR™ fully multi-coated lenses increase light transmission for optimal brightness.
- ArmorTek® protects exterior lenses from scratches, oil and dirt.
- Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.
- Shockproof construction withstands recoil and impact.
- One-piece, aircraft-grade aluminum alloy construction.
- 35mm diameter main tube with Stealth Shadow finish.
- 125 MOA/36 mrad windage/elevation adjustments available.
- Matching turrets and reticles in mrad or MOA.
- First focal plane illuminated, glass-etched reticle.
- RZR™ Zero stop prevents turret from rotating below sight-in zero.
- Fast-focus eyepiece.
- Exposed tactical turrets.
- 4x zoom range.



OFFSET ILLUMINATION CONTROL:

The control knob for the illuminated reticle on the 5-20x50 is offset at a 45-degree angle to allow easy adjustments without blocking the view of the turrets, magnification setting or parallax adjustment. The control also features an "OFF" position between each intensity level so the illumination can be turned on or off with a single click.



MAGVIEW™ SYSTEM:

A fiber optic magnification indicator, combined with raised rear-facing magnification references on the zoom dial, provides fast visual confirmation of magnification from the shooting position in low-light conditions.



RZR™ ZERO STOP MECHANISM:

Vortex's patented RZR™ (Rapid Zero Return) Zero Stop mechanism on the 5-20x50 prevents the turret from dialing below sight-in range for fast, precise return to zero after temporary elevation correction. Once set during sight-in, the turret can be quickly spun and stopped at the zero setting without counting clicks. Uses a patented rotational blocking steel mechanism for ultimate reliability.

US Patent 8,166,696 B2

RAZOR HD RIFLESCOPIES

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	TRAVEL PER ROTATION	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
35mm Tube	5-20 x 50 FFP	EBR-1 MOA EBR-2B MOA EBR-2B MRAD EBR-3 MRAD	15 MOA or 25 MOA 25 MOA 5 MRAD or 10 MRAD 5 MRAD or 10 MRAD	35.2 oz	15.8"	22.0 - 5.76'	3.9"	Tactical

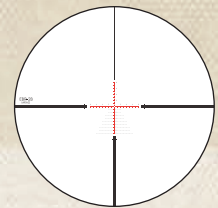
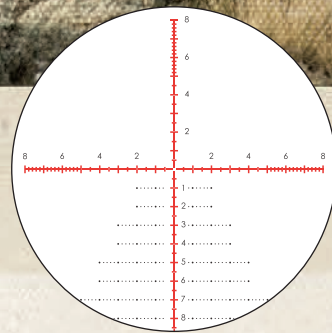
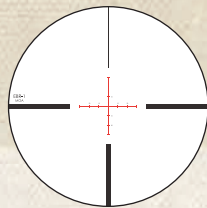
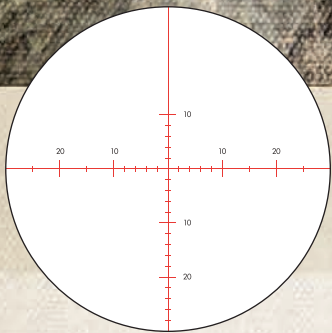
Dual Use: Shooting Tactical / Hunting

US Patent 7,937,879 US Patent 7,958,665





SCOPES THAT WRITE CHECKS your rifle can cash.



RAZOR HD EBR-1 RETICLE

Hashmarked ranging reticle using MOA-based subtension lines for ranging, holdover, and windage corrections. For MRAD-based subtension lines, choose the EBR-3 reticle.

RAZOR HD EBR-2B RETICLE

Hashmarked ranging reticle using MOA or MRAD-based subtension lines for ranging, holdover and windage corrections.

Close-up views of reticle shown here. See pages 64 and 65 for more detailed information on available reticles.

VIPER® PST™

PRECISION SHOOTING/TACTICAL RIFLESOPES

YOU'RE NOT THE ONLY ONE obsessed with precision.



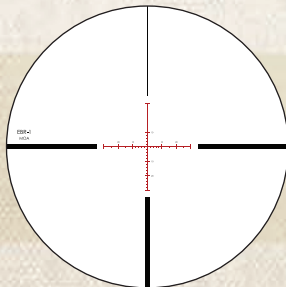
ADDED NEW
**MODELS
FOR 2014**

RIFLESOPES

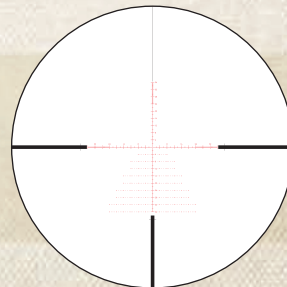


New for 2014, the EBR-2C is a hashmarked ranging reticle for 6-24x50 FFP models using MOA or MRAD-based subtension lines for ranging, holdover and windage corrections. Includes windage reference dots on drop lines.

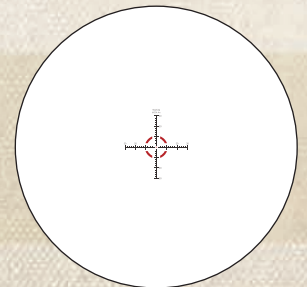
Close-up views of reticle shown here. See pages 66 and 67 for more detailed information on available reticles.



EBR-1 MOA



EBR-2C MOA



TMCQ MOA



The Viper® PST™ (Precision Shooting Tactical) is designed and built to deliver consistently repeatable accuracy. Available in either the first or second focal plane, the Viper PSTs are built on one-piece 30mm tubes machined from aircraft-grade aluminum for optimum strength and rigidity – and ample room for elevation adjustment. With XD extra-low dispersion glass objectives offering superior resolution and color along with the durability to withstand the harshest conditions, it is no mystery why the Viper PST is a widely adopted favorite among serious shooters and precision hunters.



6-24 X 50
30MM TUBE



1-4 X 24
30MM TUBE



2.5-10 X 32 FFP
30MM TUBE

Patented Design

FEATURES

VIPER PST



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm diameter main tube with hard-anodized black matte finish.

Matching turrets and reticles in mrad or MOA.

Illuminated glass-etched ranging reticle.

First and second focal plane reticle models.

CRS™ (Customizable Rotational Stop) system prevents turret from traveling more than one revolution below sight-in zero.

Fast-focus eyepiece.

Exposed tactical turrets.

MAG-View™ fiber optic reference.

4x zoom range.

VIPER PST RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
6-24 x 50 FFP	EBR-1 MOA, EBR-1 MRAD *EBR-2C MOA, *EBR-2C MRAD	23.4 oz	15.5"	17.8 - 5.1'	4.0"	Tactical
4-16 x 50 FFP	EBR-1 MOA, EBR-1 MRAD	22.4 oz	13.7"	27.4 - 7.4'	4.0"	Tactical
2.5-10 x 32 FFP	EBR-1 MOA, EBR-1 MRAD	18.7 oz	12.8"	47.0 - 10.9'	4.0"	Tactical
6-24 x 50	EBR-1 MOA, EBR-1 MRAD	23.4 oz	15.5"	17.8 - 5.1'	4.0"	Tactical
4-16 x 50	EBR-1 MOA, EBR-1 MRAD	22.4 oz	13.7"	27.4 - 7.4'	4.0"	Tactical
2.5-10 x 44	EBR-1 MOA, EBR-1 MRAD	18.8 oz	12.0"	47.0 - 10.9'	4.0"	Tactical
1-4 x 24	TMCQ MOA, TMCQ MRAD	16.2 oz	9.7"	98.0 - 27.5'	4.0"	Tactical
1-4 x 24	TMCQ MOA	14.4 oz	9.7"	98.0 - 27.5'	4.0"	Low Capped

* New Model for 2014 Dual Use: Shooting Tactical / Hunting

US Patent 7,937,879

30mm
Tubes



VIPER® HS-T™

HUNTING/SHOOTING/TACTICAL RIFLESCHOPIES

When we set out to close the gap between our Viper® HS™ and our Viper® PST™ riflescopes, we'd have to admit the challenge was a big one. But, with considerable engineering, innovation and focus, we're proud to unveil the new Viper® HS-T. Combining many of the most popular features of our best-selling Viper HS and Viper PST riflescopes, the Viper HS-T is a versatile, high-performance crossover scope for precision shooters. Available in MOA and mrad models, the Viper HS-T boasts an all-new, hashmark-based second-focal-plane reticle, perfect for accurate holds at extended ranges. Mrad reticle hashes subtend in .5 and full-value increments while MOA reticle hashes subtend in 2 MOA increments.

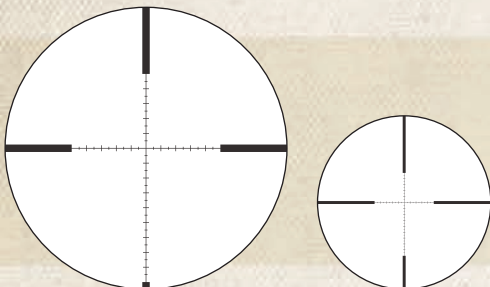
The Viper HS-T scopes also feature incredibly precise, repeatable and durable tactical windage and elevation turrets with our unique CRS (Customizable Rotational Stop) system that allows shooters to quickly re-index their turret after making temporary elevation corrections. The 30mm, one-piece, machined-aluminum tube allows ample reticle travel for extreme adjustments. An ultra-friendly eye box with generous 4-inch eye relief and fast-focus eyepiece puts shooters on target with ease. XD™ (extra-low dispersion) glass guarantees sharp, crisp, edge-to-edge images, and all lens' surfaces are fully multicoated with Vortex's proprietary XR™ coatings to deliver superior light transmission in critical low light situations.



6-24 X 50
30MM TUBE



EXPOSED TACTICAL-STYLE TURRETS
Exposed tactical turrets provide fast, accurate and easily read elevation and windage adjustments.



VMR-1 RETICLE

New for 2014, the VMR-1 (Vortex Milling Reticle) is a hashmarked ranging reticle using MOA or MRAD-based subtension lines for ranging, holdover and windage corrections.

Close-up views of reticle shown here. See pages 68 and 69 for more detailed information on available reticles.

FEATURES

VIPER HS-T



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm diameter main tube with hard-anodized black matte finish.

Matching turrets and reticles in mrad or MOA.

CRS™ (Customizable Rotational Stop) system prevents turret from traveling more than one revolution below sight-in zero.

Fast-focus eyepiece.

Exposed tactical turrets.

MAG-View™ fiber optic reference.

4x zoom range.

THE FORCE OF OPTICS

2014



RIFLESCOPES

MISSION NOT SO IMPOSSIBLE.

4-16 X 44
30MM TUBE



VIPER HS-T RIFLESCOPES

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
30mm Tubes	* 6-24 x 50	VMR-1 MOA, VMR-1 MRAD	22.6 oz	15.5"	17.8 - 5.1'	4.0"	Tactical
	* 4-16 x 44	VMR-1 MOA, VMR-1 MRAD	20.8 oz	13.7"	27.4 - 7.4'	4.0"	Tactical

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



VIPER® HS LR™

HUNTING/SHOOTING (LONG-RANGE) RIFLESOPES

CEMENT YOUR PLACE at the top of the food chain.

ADDED NEW
MODELS
FOR 2014

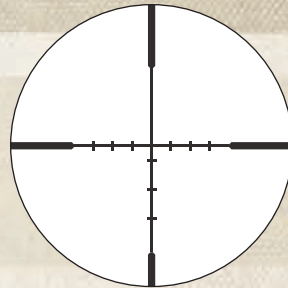
RIFLESOPES

12

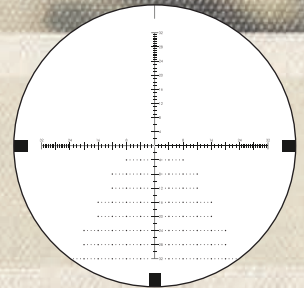


6-24 X 50
30MM TUBE

Patented Design



DEAD-HOLD BDC MOA



XLR MOA

Close-up views of reticle shown here. See pages 68 and 69 for more detailed information on available reticles.



Dominate. It's in our nature. But to dominate, you need to extend your effective shooting range at distances where bullet drop and wind drift are critical. Here's how: Take a look at the Viper® HS™ LR riflescope series. The LR stands for long range – and it's the perfect scope for the job. Features include exposed tactical elevation turrets engineered for dialing elevation at extended ranges. Capped windage turrets maintain the scope's sleek lines and prevent them from hanging up on clothing, brush or when sliding your rifle in and out of pack scabbards. When the moment of truth arrives, a Viper HS LR riflescope will help put more meat in the freezer and bone on your wall!

FEATURES
VIPER HS LR



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm diameter main tube with hard-anodized black matte finish.

First and second focal plane reticle options.

CRS™ (Customizable Rotational Stop) system prevents turret from traveling more than one revolution below sight-in zero (excluding the 2.5-10 x 32 FFP).

Precision-Force Spring System™

Precision-Glide Erector System™

Fast-focus eyepiece.

Exposed tactical elevation turret; capped quick-reset windage turret on select models.

MAG-View™ fiber optic reference.

4x zoom range.



4-16 X 44
30MM TUBE



2.5-10 X 32
30MM TUBE

VIPER HS LR LONG RANGE RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
6-24 x 50 FFP	XLR MOA	22.4 oz	15.5"	17.8 - 5.1'	4.0"	Capped Windage, Tactical Elevation
4-16 x 50 FFP	XLR MOA	21.4 oz	13.7"	27.4 - 7.4'	4.0"	Capped Windage, Tactical Elevation
* 2.5-10 x 32 FFP	XLR MOA	16.8 oz	12.8"	47.0 - 10.9'	4.0"	Capped
4-16 x 50	Dead-Hold BDC MOA	21.4 oz	13.7"	27.4 - 7.4'	4.0"	Capped Windage, Tactical Elevation
4-16 x 44	Dead-Hold BDC MOA	19.8 oz	13.7"	27.4 - 7.4'	4.0"	Capped Windage, Tactical Elevation

* New Model for 2014 Dual Use: Shooting Tactical / Hunting

US Patent 7,937,879

30mm Tubes



VIPER® HS™

HUNTING/SHOOTING RIFlescOPES

Push performance into a realm that is frankly, second to none, the Viper® HS™ (Hunting/Shooting) riflescopes feature an advanced optical system, generous eye relief and a 4x optical zoom – all required attributes for the hunter looking to drag more than scent out of the woods this season. The solid one-piece 30mm tube delivers an exclamation point when it comes to strength and durability. The Viper HS is at home in all hunting setups from making quick work of coyotes to bagging a world class elk in the Rockies.



EASY ON THE EYES. Brutal on the heart and lungs.



6-24 X 50
30MM TUBE

Patented Design





2.5-10 X 44
30MM TUBE



4-16 X 44
30MM TUBE

FEATURES

VIPER HS



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm diameter main tube with hard-anodized black matte finish.

Precision-Force Spring System™

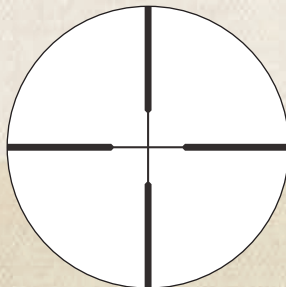
Precision-Glide Erector System™

Fast-focus eyepiece.

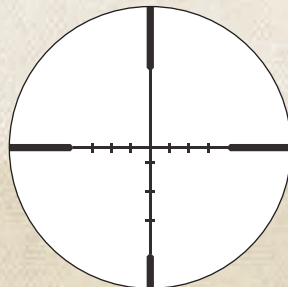
Capped quick-reset turrets.

MAG-View™ fiber optic reference.

4x zoom range.



V-PLEX MOA



DEAD-HOLD BDC MOA

Close-up views of reticle shown here. See pages 68 and 69 for more detailed information on available reticles.

VIPER HS RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
6-24 x 50	Dead-Hold BDC MOA, V-Plex MOA	21.4 oz	15.5"	17.8 - 5.1'	4.0"	Capped
4-16 x 50	Dead-Hold BDC MOA, V-Plex MOA	20.4 oz	13.7"	27.4 - 7.4'	4.0"	Capped
4-16 x 44	Dead-Hold BDC MOA, V-Plex MOA	18.4 oz	13.7"	27.4 - 7.4'	4.0"	Capped
2.5-10 x 44	Dead-Hold BDC MOA, V-Plex MOA	16.5 oz	12.0"	47.0 - 10.9'	4.0"	Capped

30mm Tubes

Dual Use: Shooting Tactical / Hunting

US Patent 7,937,879



VIPER®

RIFLESCOPES

TEARS DON'T PUT
meat in the freezer.

A missed shot can be a severe heart breaker. Exactly why year after year accomplished hunters have come to rely on this solid performer. Built using a one-piece tube for ultimate strength and durability, the premium fully multi-coated optics deliver the light transmission, clarity and detail to get the job done. Engineered and designed to outperform comparable scopes, the Viper® has it all. Now go get a tissue, wipe those tears off your rifle – and mount a new Viper on it instead.



3-9 X 40
1-INCH TUBE



Patented Design
6.5-20 X 50 PA
30MM TUBE



MAG-VIEW ADJUSTMENT LEVER
Allows rapid, easy changes in magnification – even when wearing bulky gloves. Raised rear-facing magnification references let you quickly check your setting from the shooting position.

FINGER-ADJUSTABLE TURRETS
Make windage and elevation adjustments quickly, easily, and without any tools. And, with the zero-reset feature, simply lift up the turret to disengage clicks and re-index your turret.

FEATURES XD XR Ar

- XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.
- XR™ fully multi-coated lenses increase light transmission for optimal brightness.
- ArmorTek® protects exterior lenses from scratches, oil and dirt.
- Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.
- Shockproof construction withstands recoil and impact.
- One-piece, aircraft-grade aluminum alloy construction.
- 30mm and 1-inch diameter main tubes available with hard-anodized black matte finish.
- Precision-Force Spring System™
- Precision-Glide Erector System™
- Fast-focus eyepiece.
- Capped quick-reset turrets.
- MAG-Bar™ adjustment lever.
- 3x zoom range.



V-PLEX WIDE MOA DEAD-HOLD BDC MOA MIL DOT

Close-up views of reticle shown here. See page 71 for more detailed information on available reticles.

VIPER RIFLESCOPES

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
30mm Tubes	6.5-20 x 50 PA	V-Plex Wide, Dead-Hold BDC, Mil Dot	21.6 oz	14.4"	17.4 - 6.2'	3.1"	Tall Capped
	6.5-20 x 44 PA	Dead-Hold BDC, Mil Dot	21.0 oz	14.4"	17.4 - 6.2'	3.1"	Tall Capped
1-inch Tubes	4-12 x 40 PA	Dead-Hold BDC MOA	16.6 oz	14.4"	27.1 - 9.2'	3.1"	Capped
	3.5-10 x 50	Dead-Hold BDC MOA	17.8 oz	13.2"	27.8 - 9.4'	3.2"	Capped
	3-9 x 40	Dead-Hold BDC MOA	14.2 oz	12.4"	35.5 - 12.2'	3.5"	Capped

Dual Use: Shooting Tactical / Hunting

US Patent 7,937,879





VIPER® XBR™ CROSSBOW SCOPE

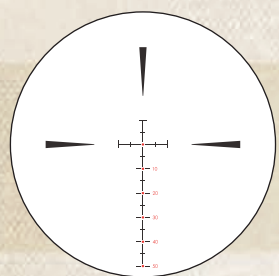
COMPLETELY
NEW
FOR 2014



2.5-10 X 44
30MM TUBE

LONG-RANGE BELLS AND WHISTLES now available for crossbows, too.

Adopting many of the same features found on our long-range riflescopes, the Viper® XBR™ is built specifically to maximize the performance of today's high-speed crossbows at long range. Highlighted features include an exposed elevation turret marked in 1 MOA increments that tracks true every time, making it ideal for quick dialing of adjustments on long shots. Add in our CRS™ (Customizable Rotational Stop) system to prevent the turret from traveling more than one revolution below sight-in zero, and a glass-etched, MOA-based XBR-1 reticle to hold elevation and windage compensation, the Viper XBR offers shooters ultimate speed and long-range versatility. Reticle illumination and the fast-focus eyepiece ensure sharp, shooter-specific reticle focus. Yes, this changes everything when it comes to long-range crossbows.



XBR-1 MOA

MOA-based holdover reticle optimized for crossbow use.
Close-up views of reticle shown here. See page 71 for more detailed information on available reticles.

FEATURES VIPER XBR



- XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.
- XR™ fully multi-coated lenses increase light transmission for optimal brightness.
- ArmorTek® protects exterior lenses from scratches, oil and dirt.
- Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.
- Shockproof construction withstands recoil and impact.
- One-piece, aircraft-grade aluminum alloy construction.
- 30mm diameter main tube with hard-anodized black matte finish.
- CRS™ (Customizable Rotational Stop) system prevents turret from traveling more than one revolution below sight-in zero.
- Precision-Force Spring System™
- Precision-Glide Erector System™
- Fast-focus eyepiece.
- Exposed tactical elevation turret; capped quick-reset windage turret.
- MAG-View™ fiber optic reference.
- 4x zoom range.
- 1 MOA adjustment click and 75-yard parallax setting.

VIPER XBR CROSSBOW SCOPE

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
30mm Tubes	* 2.5-10 x 44	XBR-1 MOA	18.8 oz	12.0"	47.0 - 10.9'	4.0"	Capped Windage, Tactical Elevation

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



DIAMONDBACK® HP

HIGH PERFORMANCE RIFLESCOPES

The all-new Diamondback® HP (High Performance) offers a full on array of high-performance features that discerning hunters are sure to appreciate – game animals, not so much. Optically, these scopes hit the proverbial mark. XD™ extra-low dispersion glass increases resolution and color fidelity, while XR fully multi-coated lenses maximize every minute of shooting light. The side focus/parallax adjustment is easily accessible, while keeping a trim profile and allowing optimal mounting height. And with a 4X zoom range, the Diamondback HPs offer highly versatile magnification configurations to suit a wide variety of firearms and shooting applications. Okay, it seems the buck does stop here.

COMPLETELY
NEW
FOR 2014

THE END OF THE GAME TRAIL starts here.

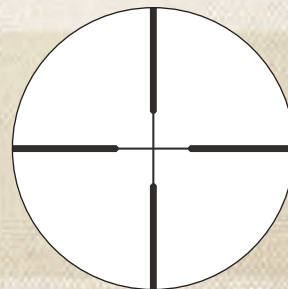
RIFLESCOPES

18

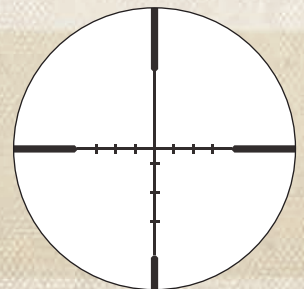


3-12 X 42
1-INCH TUBE

Close-up views of reticle shown here. See page 72 for more detailed information on available reticles.



V-PLEX MOA



DEAD-HOLD BDC MOA



2-8 X 32
1-INCH TUBE

FEATURES
DIAMONDBACK HP



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

1-inch diameter main tube with hard-anodized black matte finish.

Precision-Glide Erector System.™

Fast-focus eyepiece.

Capped zero reset turrets.

Side focus parallax adjustment.

4x zoom range.

DIAMONDBACK HP RIFLESCOPES

1-inch
Tubes

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
* 4-16 x 42	V-Plex MOA, Dead-Hold BDC MOA	18.0 oz	12.5"	23.8 - 6.1'	4.0"	Capped
* 3-12 x 42	V-Plex MOA, Dead-Hold BDC MOA	18.0 oz	12.5"	28.8 - 8.2'	4.0"	Capped
* 2-8 x 32	V-Plex MOA, Dead-Hold BDC MOA	15.9 oz	11.6"	41.9 - 12.2'	4.6"	Capped

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



DIAMONDBACK®

RIFLESCOPES

Chasing trophy bucks season after season offers us exceptional insight into what kind of riflescope belongs on a serious deer hunter's rifle. Enter the Diamondback®. Designed with the mindset of changing the rules when it comes to "you get what you pay for", the solid one-piece aircraft-grade aluminum alloy construction makes them virtually indestructible. Argon gas purging puts waterproof and fogproof performance on the list and advanced, fully multi-coated optics raise an eyebrow when crystal clear, tack-sharp images appear in the crosshairs. All this in a riflescope that seems like it should cost so much more – but doesn't? Advantage: Hunter.

JUST LIKE ANY SPORT, he who gets the most points wins.

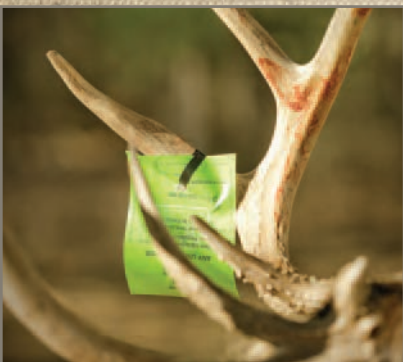
RIFLESCOPES

20



4-12 X 40 A0
1-INCH TUBE



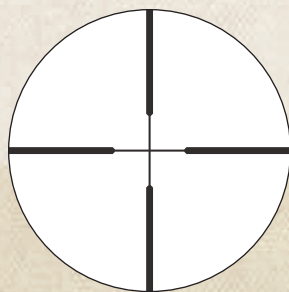


3.5-10 X 50
1-INCH TUBE

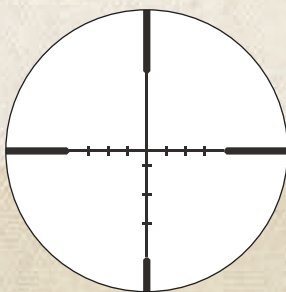


MACHINED FOR DURABILITY.

Truly adjustable with just the tips of your fingers, the audible and tactile clicks help you make precise adjustments. Even more important is the fine machining of the metal-on-metal dials – guaranteeing accuracy for years to come.



V-PLEX MOA



DEAD-HOLD BDC MOA

FEATURES

DIAMONDBACK



Fully multi-coated with anti-reflective lens coatings for brighter views.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

1-inch diameter main tube with hard-anodized black matte finish.

Precision-Glide Erector System.™

Fast-focus eyepiece.

Capped zero reset turrets.

3x zoom range.

Close-up views of reticle shown here.
See page 72 for more detailed information on available reticles.

DIAMONDBACK RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
4-12 x 40 AO	V-Plex MOA, Dead-Hold BDC MOA	17.2 oz	12.8"	32.4 - 11.3'	3.1"	Capped
4-12 x 40	V-Plex MOA, Dead-Hold BDC MOA	14.6 oz	12.0"	32.4 - 11.3'	3.1"	Capped
3.5-10 x 50	V-Plex MOA, Dead-Hold BDC MOA	16.2 oz	12.5"	35.8 - 13.5'	3.3"	Capped
3-9 x 40	V-Plex MOA, Dead-Hold BDC MOA	14.4 oz	11.7"	44.6 - 14.8'	3.3"	Capped
2-7 x 35	V-Plex MOA, Dead-Hold BDC MOA	14.2 oz	11.6"	64.3 - 19.3'	3.1"	Capped
2-7 x 35 Rimfire	V-Plex (50-yard Parallax) MOA	14.2 oz	11.6"	64.3 - 19.3'	3.1"	Capped
1.75-5 x 32	V-Plex, Dead-Hold BDC MOA	12.8 oz	10.2"	68.3 - 23.1'	3.5"	Capped

Dual Use: Shooting Tactical / Hunting



1-inch
Tubes

CROSSFIRE® II

RIFLESCOPES

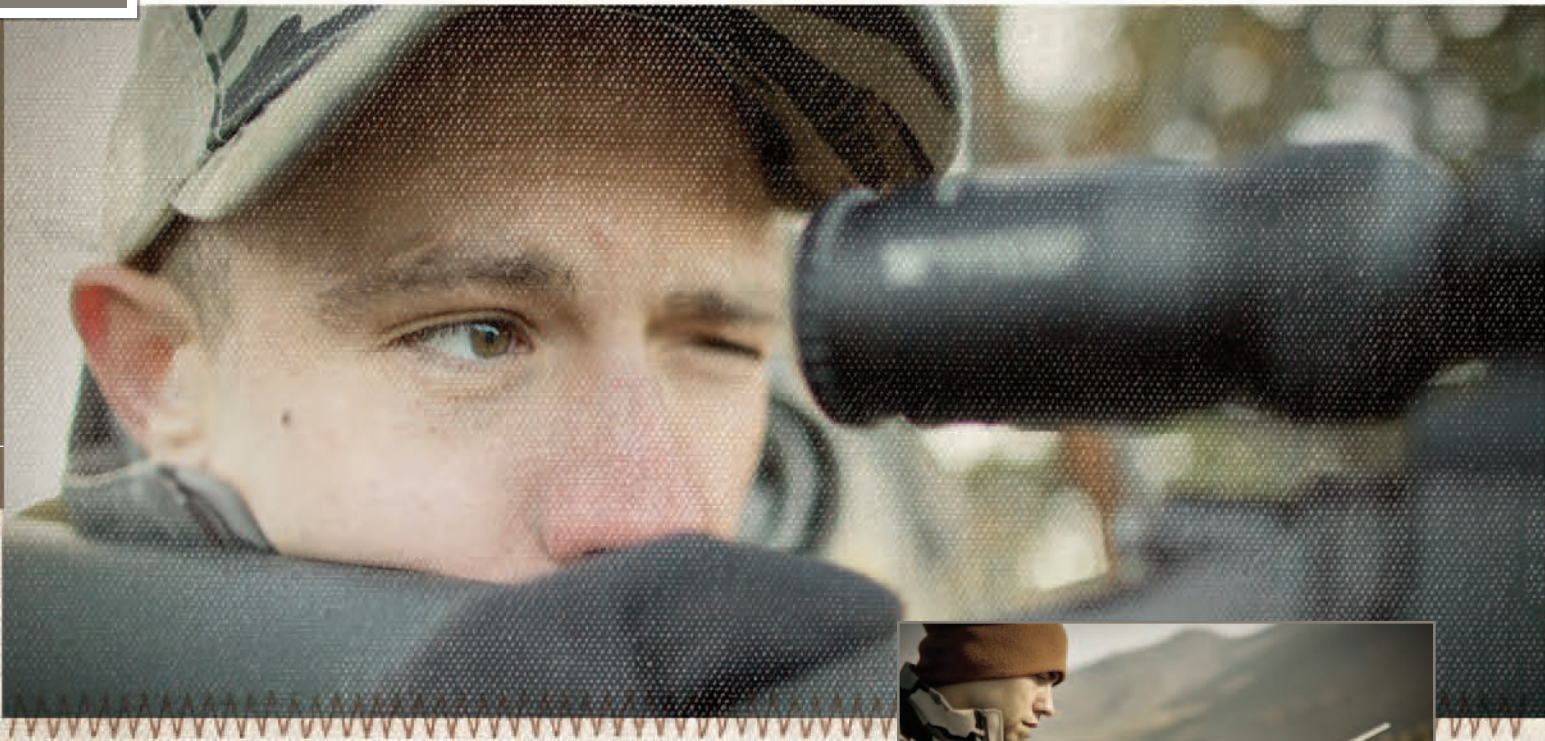
With long eye relief, a fast-focus eyepiece, fully multi-coated lenses and resettable MOA turrets, nothing on the Crossfire® II has resigned to compromise. Clear, tough and bright, this scope hands other value-priced riflescopes their hat. The hard anodized one-piece aircraft-grade aluminum tube is nitrogen purged and o-ring sealed for superior waterproof/fogproof performance. Offered in a comprehensive lineup of popular sizes and configurations, the Crossfire II puts it right there – and then some.

ADDED NEW
MODELS
FOR 2014

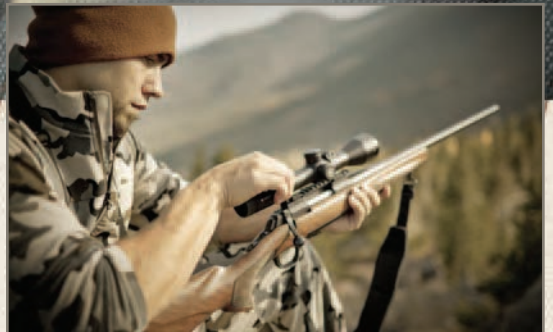
COMPROMISE IS FOR MARITAL HARMONY – not hunting optics.

RIFLESCOPES

22



6-18 X 44 AO
V-BRITE
1-INCH TUBE



CROSSFIRE II FEATURES RE-SETTABLE TURRETS.

Our Crossfire II riflescopes allow you to re-index your zero after sight-in. Finger adjustable turrets with audible and tactile clicks deliver precise windage and elevation settings.



1-4 X 24
30MM TUBE



4-16 X 50 AO
30MM TUBE

FEATURES
CROSSFIRE II



Fully multi-coated with anti-reflective lenscoatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Shockproof construction withstands recoil and impact.

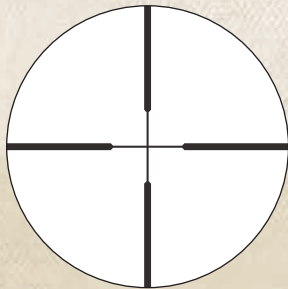
One-piece, aircraft-grade aluminum alloy construction.

30mm and 1-inch diameter main tubes available with hard-anodized black matte finish.

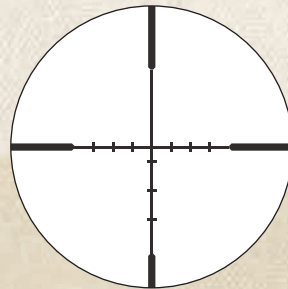
Fast-focus eyepiece.

Capped zero reset turrets.

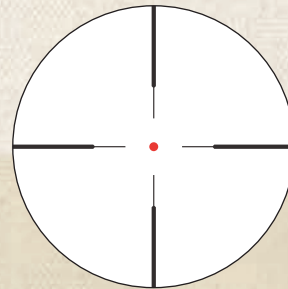
4x and 3x zoom range options.



V-PLEX MOA



DEAD-HOLD BDC MOA



V-BRITE MOA

Close-up views of reticle shown here. See page 73 for more detailed information on available reticles.

CROSSFIRE II RIFLESCOPES

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
30mm Tubes	* 6-24 x 50 AO	V-Plex MOA, Dead-Hold BDC MOA	23.6 oz	14.5"	17.3 - 4.4'	4.0"	Capped
	* 4-16 x 50 AO	V-Plex MOA, Dead-Hold BDC MOA	23.6 oz	14.2"	25.3 - 7.0'	3.7"	Capped
	* 1-4 x 24	V-Plex MOA V-Brite MOA	14.8 oz 16.0 oz	9.8" 9.8"	96.1 - 24.1' 96.1 - 24.1'	4.0" 4.0"	Capped Capped
1-inch Tubes	6-18 x 44 AO	V-Plex MOA, Dead-Hold BDC MOA V-Brite MOA	19.6 oz 20.6 oz	13.5" 13.5"	15.2 - 5.3' 15.2 - 5.3'	3.7" 3.7"	Capped Capped
	4-12 x 50 AO	V-Plex MOA, Dead-Hold BDC MOA	20.6 oz	14.2"	25.7 - 8.4'	3.9"	Capped
	4-12 x 40 AO	V-Plex MOA, Dead-Hold BDC MOA	19.2 oz	13.6"	24.7 - 8.4'	3.9"	Capped
	4-12 x 44	V-Plex MOA, Dead-Hold BDC MOA	17.2 oz	13.1"	24.7 - 8.4'	3.9"	Capped
	3-9 x 50	V-Plex MOA, Dead-Hold BDC MOA V-Brite MOA	18.4 oz	12.7"	32.0 - 12.9'	3.8"	Capped
			18.6 oz	12.7"	32.0 - 12.9'	3.8"	Capped
	3-9 x 40	V-Plex MOA, Dead-Hold BDC MOA V-Brite MOA	15.0 oz	12.0"	34.1 - 12.6'	3.8"	Capped
			16.2 oz	12.0"	34.1 - 12.6'	3.8"	Capped
	2-7 x 32	V-Plex MOA, Dead-Hold BDC MOA	14.3 oz	11.3"	42.0 - 12.6'	3.9"	Capped
	2-7 x 32 Rimfire	V-Plex MOA	14.3 oz	11.3"	42.0 - 12.6'	3.9"	Capped

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



CROSSFIRE® II HOG HUNTER

RIFLESCOPES

Our all-new, mission-specific Crossfire® II Hog Hunter riflescope excels when hunting in the lowest light, from early evening to the first glimmer of dawn. Thanks to fully multi-coated optics with anti-reflective coatings, a 30mm tube and an oversized 56mm objective lens, hard-core hog hunters can now place shots in heavy cover with the utmost confidence when light conditions are at their worst. The hard anodized one-piece aircraft-grade aluminum tube is nitrogen-purged and o-ring sealed for superior waterproof/fogproof performance. With versatile 3-12X magnification, and ruggedly built with shockproof construction to withstand recoil and hard use, this Hog Hunter is one tough customer.

COMPLETELY
NEW
FOR 2014

THIS LITTLE PIGGY WENT TO THE TAXIDERMIST.



3-12 X 56 AO
30MM TUBE

FEATURES

CROSSFIRE II HOG HUNTER



Fully multi-coated with anti-reflective coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Shockproof construction withstands recoil and impact.

One-piece, aircraft-grade aluminum alloy construction.

30mm main tube with hard-anodized black matte finish.

Fast-focus eyepiece.

Capped zero reset turrets.

V-Brite® illuminated reticle.

56mm objective maximizes low-light performance.

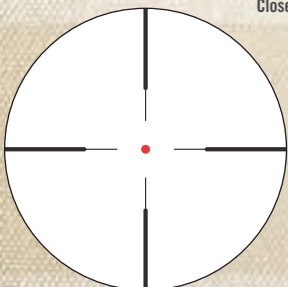
4x zoom range.



Close-up views of reticle shown here. See page 73 for more detailed information on available reticles.

CROSSFIRE II HOG HUNTER RIFLESCOPE

	MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
30mm Tubes	*3-12 x 56 AO	V-Brite MOA	21.1 oz	14.3"	36.7 - 9.2'	3.5"	Capped
* New Model for 2014 Dual Use: Shooting Tactical / Hunting							



V-BRITE MOA





COMPLETELY
NEW
FOR 2014



1 X 24
1-INCH TUBE



CROSSFIRE® II 1X MUZZLELOADER RIFLESCOPE

Our all new Crossfire® II 1X Muzzleloader satisfies “no magnification” rules and provides a crystal-clear and ultra-bright unmagnified view. With generous 3.8" eye relief and a vast, 95-foot field of view at 100 yards, the fully multi-coated optics and V-PLEX MOA reticle assure accurate shot placement in low light conditions. Rugged and compact, this premium-quality scope will improve both the look and the view of your best muzzleloader.

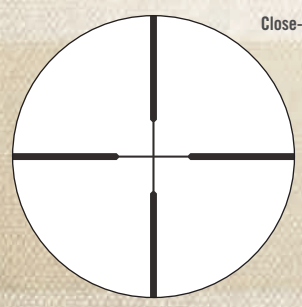
FEATURES

CROSSFIRE II 1X MUZZLELOADER



- Fully multi-coated with anti-reflective coatings for brighter views.
- Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.
- Shockproof construction withstands recoil and impact.
- One-piece, aircraft-grade aluminum alloy construction.
- 1-inch main tube with hard-anodized black matte finish.
- Fast-focus eyepiece.
- Capped zero reset turrets.

Close-up views of reticle shown here. See page 73 for more detailed information on available reticles.



V-PLEX MOA

CROSSFIRE II MUZZLELOADER RIFLESCOPE

MAGNIFICATION x OBJECTIVE LENS	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF (MAX POWER)	TURRET STYLE
* 1 x 24	V-Plex MOA	8.0 oz	8.9"	95.0'	3.8"	Capped

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



SPITFIRE™

PRISM SCOPES

ACTUALLY, YES, IT IS A MATTER OF LIFE AND DEATH.

Designed specifically for the AR platform, the new Spitfire combines an impressive array of high-performance features into a rugged, ultra-compact package. Available in a choice of fixed 1X or 3X models, the Spitfires excel in close- to medium-range shooting applications when fast target acquisition in stressful conditions is a priority. Laced with advanced features, the sophisticated prism-based design allows for a more compact optical system without sacrificing optical quality. Selectable red/green illuminated reticles – with five intensity levels to match specific conditions – are etched directly on the prism to assure consistent point of aim at all times, regardless if illumination is engaged. The 1X Spitfire's DRT (Dual Ring Tactical) reticle promotes rapid target acquisition, and the 3X Spitfire utilizes the EBR-556B reticle – a hybrid with BDC drop substensions that match the popular 556 cartridge. Enough said.

COMPLETELY
NEW
FOR 2014

PRISM SCOPES

26

SPITFIRE 1x



SPITFIRE 3x



FEATURES SPITFIRE



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Shockproof construction withstands recoil and impact.

Prism-based design delivers sharp images.

Compact, rugged chassis.

Hard-anodized black matte finish.

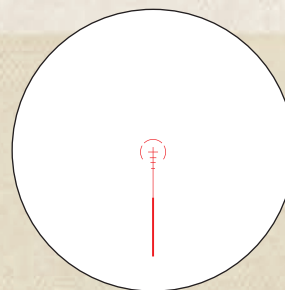
Illumination control offers red/green option with five levels of brightness.

Multi-height mount system.



SPITFIRE 1X DRT MOA RETICLE

New for 2014, the DRT (Dual Ring Tactical) reticle is designed for rapid shooting at close distances. The dual ring design pulls the eye into instant alignment with the reticle center and target.



SPITFIRE 3X EBR-556B MOA RETICLE

New for 2014, the EBR-556B is a BDC reticle designed around the 5.56 x 45 cartridge. Reticle will aid in rapid shooting at both near and far ranges. Provides holdover and ranging references from 0-500 yards.

SPITFIRE PRISM SCOPES

MAGNIFICATION	RETICLE OPTIONS	WEIGHT	LENGTH	FIELD OF VIEW AT 100 YARDS	EYE RELIEF
* 3x	EBR-556B MOA	12.2 oz (15.4 oz with Mount)	5.5"	31.5'	2.8"
* 1x	DRT MOA	8.7 oz (11.2 oz with Mount)	4.0"	75.0'	3.7"

* New Model for 2014 Dual Use: Shooting Tactical / Hunting





RAZOR®

RED DOTS

REPEAT AFTER US: Fast, accurate and deadly.

When you shoulder an AR-15 or comparable piece of armament, everybody knows you mean business. Add a compact Razor® red dot, and the whoa factor goes up exponentially. The highly polished glass is crisp from edge to edge. Exceptional resolution and a wide field of view present a sight picture sure to impress. The daylight bright red dot is easy to see and paints targets regardless of lighting conditions or the background. Whether you shoot at paper or protein, the unrivaled reliability and versatility of this high-end reflex sight checks off all the boxes in terms of fast, accurate and deadly. And then some.



FEATURES

RAZOR



Premium wide-field lens with exceptional edge-to-edge resolution.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Waterproof with o-ring seals.

Shockproof construction withstands recoil and impact.

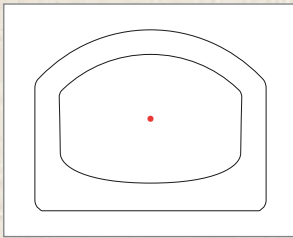
Ultra compact and rugged with one-piece aircraft-grade aluminum alloy chassis.

Hard-anodized black matte finish.

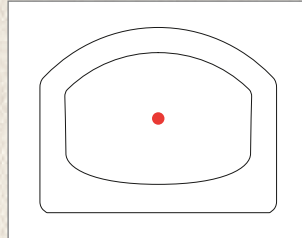
Unlimited eye relief for rapid target acquisition.

Choice of 3 MOA or 6 MOA dot.

Reticle choice of 3 MOA or 6 MOA daylight bright red dot.



3 MOA DOT



6 MOA DOT

LONG BATTERY LIFE

BRIGHTNESS SETTING

Average Battery Use at Highest Setting	1 year
--	--------

Powered by readily available CR 2032 battery. Auto shut-off after six hours if no button is pressed. Side-opening battery tray.

VERSATILE MOUNTING OPTIONS AVAILABLE

Using the versatile multi-height mounting system, the Razor mounts to ARs, handguns or shotguns.



Truly at home on an AR, pistol, shotgun or offset-mounted alongside your primary magnified optic, the compact Razor ensures rapid, accurate target acquisition – every time.

RAZOR RED DOT

MAGNIFICATION	DOT COLOR	DOT SIZE	WEIGHT	LENGTH	EYE RELIEF
1x	Bright Red	3 MOA	1.4 oz (2.5 oz with Low Mount)	1.8"	Unlimited
1x	Bright Red	6 MOA	1.4 oz (2.5 oz with Low Mount)	1.8"	Unlimited

Dual Use: Shooting Tactical / Hunting



SPARC® II

RED DOTS

MASSIVELY THOUGHT OUT – in a minimalist kind of way.

Ultra-compact and lightweight, with a one-piece body machined from aircraft grade aluminum, the 1x magnification SPARC® II is equally at home mounted on an AR15 or shotgun. The daylight-bright, adjustable 2 MOA red dot is powered by a long-lasting CR 2032 lithium battery. The o-ring sealed construction makes the SPARC II waterproof – including submersible and nitrogen purging guarantees fogproof performance. Complete with a multi-height mount system.



Includes versatile multi-height mount system.

Patent Pending



HIGH OR LOW MOUNTS

The versatile multi-height mount system accommodates most firearms, including AR-15s needing absolute or lower 1/3 co-witness heights, and mounts on standard Weaver or Picatinny bases (not included).

FEATURES

SPARC II



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Shockproof construction withstands recoil and impact.

Compact, lightweight, one-piece chassis.

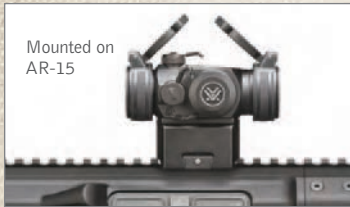
Hard-anodized black matte finish.

Unlimited eye relief for rapid target acquisition.

Daylight bright red 2 MOA dot.

Multi-height mount system.

VERSATILE MOUNTING OPTIONS AVAILABLE



Mounted on AR-15

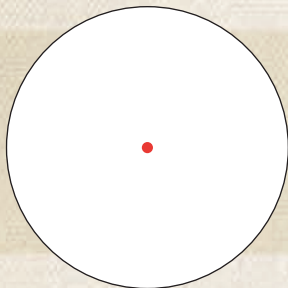


Mounted on Handgun or Pistol

VMX-3T AVAILABLE FOR 1X MODEL



Go from 1x to 3x in one quick move. Add the ultimate in magnified versatility to your red dot sight with the VMX-3T™ 3x magnifier. See page 31.



RED DOT

LONG BATTERY LIFE

DOT COLOR	Bright Red
MAXIMUM BRIGHTNESS	300 hours
MINIMUM BRIGHTNESS	5,000 hours

CR2032 Battery



BATTERY HOLDER AVAILABLE

SPARC II RED DOT

MAGNIFICATION	DOT COLOR	DOT SIZE	WEIGHT	LENGTH	EYE RELIEF
* 1x	Bright Red	2 MOA	5.9 oz	3.1"	Unlimited

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



COMPLETELY
NEW
FOR 2014

RED DOTS

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STRIKEFIRE® II

RED DOTS

TURN IT ON, and it's lights out.

When the situation requires fast shooting to get the job done, a big scope with a narrow field of view isn't on the list. Mount up the all-new StrikeFire® II and shoot with both eyes open. With unlimited field of view and eye relief, nothing gets you on target faster than this tough, compact little red dot scope. Shockproof and waterproof, the StrikeFire II is offered with either Bright Red or Red/Green illumination. Adjustable dot intensity perfectly matches any lighting.

COMPLETELY
NEW
FOR 2014



Patent Pending

FEATURES

STRIKEFIRE II



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Shockproof construction withstands recoil and impact.

Rugged, one-piece aluminum alloy chassis.

Hard-anodized black matte finish.

Unlimited eye relief for rapid target acquisition.

4 MOA Red/Green or Bright Red dot option.

Lower 1/3 co-witness cantilever mount or low ring mount option.



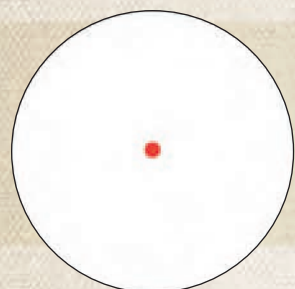
40MM OR 21MM MOUNTS

The mounted height of the StrikeFire® II depends on the version purchased. The models with a 40mm cantilever ring provide lower 1/3 co-witness for flat top AR-15 rifles with iron sights. The 21mm ring is commonly used for mounting on most other rifles, shotguns and handguns.

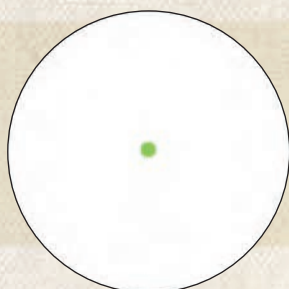


VMX-3T™ 3X MAGNIFIER See page 31.

With high quality optics and an included Flip Mount, increase the effective range of your red dot sight with the push of a button.



RED DOT



GREEN DOT

BATTERY LIFE: The StrikeFire II's sophisticated circuitry shuts the unit down after five hours. Average CR2 battery life depends on the dot intensity setting and color.

DOT COLOR	MAXIMUM BRIGHTNESS	MINIMUM BRIGHTNESS
Bright Red	400 hours	7,000 hours
Red/Green	300 hours	6,000 hours
CR2 Battery		

STRIKEFIRE II RED DOT

MAGNIFICATION	DOT COLOR	DOT SIZE	WEIGHT	LENGTH	EYE RELIEF	TUBE SIZE	RING HEIGHT OPTION
* 1x	Red / Green	4 MOA	7.2 oz	5.6"	Unlimited	30mm	40mm or 21mm
* 1x	Bright Red	4 MOA	7.2 oz	5.6"	Unlimited	30mm	40mm

* New Model for 2014 Dual Use: Shooting Tactical / Hunting



ACCESSORIES

FOR RIFLESCOPES



RAZOR 35MM RINGS

Developed specifically for the Razor® HD 5-20x50mm tactical rifle scope, our 35mm steel rings are precision-machined for a rock-solid, durable mount.



VIPER RIFLESCOPE RINGS

Sleek, light weight and durable, the Viper rings use four T-15 Torx-style socket cap screws for secure mounting of your rifle scope. Rings allow quick-and-easy mounting and can remain on scope when detached from base.



TACTICAL RINGS

Wide 6-screw ring offers solid support for 30mm rifle scope tubes.



PRECISION-MATCHED RINGS

Machined in pairs that are kept together throughout the manufacturing process to ensure perfection from one set to another. Our Precision Matched Rings are held to an extremely tight tolerance of .0005 and are serialized, vibratory tumbled, hand-bead blasted, and finished off with a Type III hard coat anodize.



HUNTER RINGS

Standard 2-screw rings – nice match for general hunting setups.

CANTILEVER MOUNTS



CANTILEVER 30MM RINGS

Provide extra rail room for rear BUIS when using the StrikeFire red dot along with the VMX-3T magnifier. The cantilever ring will move the StrikeFire forward about one inch.



QUICK RELEASE CANTILEVER RING MOUNT

Vortex Quick Release cantilever ring mounts provide the correct height and forward placement necessary for proper scope mounting on flat top ARs. Extreme duty ADR model features quick-detach auto lock design. 30mm ring diameter. Available in two and three inch offset models.



CANTILEVER RING MOUNT

Vortex cantilever ring mounts provide the correct height and forward placement necessary for proper scope mounting on flat top ARs. Available in one inch and 30mm ring sizes with a two or three inch offset.

RIFLESCOPE RINGS

Razor 35mm Rings [Height from base] *Sold two per package.*
35mm Tube: 1.00 inch [25.4mm]

Precision Matched Rings [Height from base] *Sold two per package.*

35mm Tube: Medium [.95 inches / 24.13mm] | Medium-Plus [1.00 inches / 25.4mm] High [1.26 inches / 32mm]

34mm Tube: Medium [.92 inches / 23.4mm] | Medium-Plus [1.00 inches / 25.4mm] High [1.26 inches / 32mm]

30mm Tube: Low [.87 inches / 22.1mm] | Medium [.97 inches / 24.64mm] High [1.26 inches / 32mm]

Viper Rings [Height from base] *Sold two per package.*

30mm Tube: Low [.87 inches / 22.09mm] | Medium [.97 inches / 24.64mm] High [1.12 inches / 28.44mm]

1-Inch Tube: Low [.78 inches / 19.81mm] | Medium [.88 inches / 22.35mm] High [1.03 inches / 26.16mm]

Tactical Rings [Height from base] *Sold individually.*

30mm Tube: Low [.83 inches / 21mm] | Medium [.97 inches / 24.6mm] High [1.18 inches / 30mm]

Extra High, Absolute Co-Witness [1.46 inches / 37mm]
 Extra High, Lower 1/3 Co-Witness [1.57 inches / 40mm]

Hunter Rings [Height from base] *Sold two per package.*

30mm Tube: Low [.75 inches / 19mm] | Medium [.94 inches / 24mm] High [1.22 inches / 31mm]

1-Inch Tube: Low [.63 inches / 16mm] | Medium [.87 inches / 22mm] High [1.22 inches / 31mm]

Cantilever Ring Mounts

30mm Tube [Height from base]

Extreme duty ADR mount with quick release

2-Inch Offset: [1.47 inches / 37.34mm]

3-Inch Offset: [1.47 inches / 37.34mm]

Standard mount

2-Inch Offset: [1.59 inches / 40.39mm]

3-Inch Offset: [1.59 inches / 40.39mm]

1-Inch Tube [Height from base]

Standard mount

2-Inch Offset: [1.59 inches / 40.39mm]

3-Inch Offset: [1.59 inches / 40.39mm]

Cantilever 30mm Rings [Height from base]

Absolute Co-Witness: [1.46 inches / 37mm]

Lower 1/3 Co-Witness: [1.57 inches / 40mm]

Switchview™ Throw Levers [Magnification Ring Diameter]

SV-1: [1.669 inches / 42mm]

Compatible with Viper® PST™ and Viper® HS™ riflescopes with rubber magnification rings.

SV-2: [1.739 inches / 44mm]

Compatible with Razor® HD riflescopes with rubber magnification rings; Viper® PST™ and Viper® HS™ riflescopes with metal magnification rings.

SV-3: [1.930 inches / 49mm]

Compatible with Razor® HD Gen II riflescopes with metal magnification rings.



RIFLESCOPE BUBBLE LEVEL

Designed to maximize accuracy. A Vortex bubble level makes it easy to maintain a perfect horizontal hold during extreme-range shooting. Available for 1-inch, 30mm, 34mm and 35mm rifle scope tubes.



SWITCHVIEW™ THROW LEVER

Maximize the efficiency of magnification transitions with fluid precision using Vortex's Switchview™ throw lever. Attaches and detaches easily to Razor® HD, Viper® PST™ and Viper® HS™ power rings. Constructed of skeletonized, light-weight, tough, hard-coat anodized machined aluminum.



BATTERY HOLDER

Be prepared with a back-up battery. This watertight, dustproof battery holder conveniently mounts on a Picatinny rail and holds one CR 2032 battery.



RIFLESCOPE STRETCH COVER

Keep your riflescope protected from the elements with a Vortex riflescope cover. Durable material stretches to fit a range of models and configurations. Finger loop on end, along with its simple design provides fast and easy on/off convenience.

////////////////////// **ACCESSORIES** FOR RED DOTS

VMX-3T™ MAGNIFIER AND MOUNT – GO FROM 1X TO 3X IN ONE QUICK MOVE.

Add the ultimate in magnified versatility to your red dot sight with the VMX-3T™ 3x magnifier. With high quality optics and an included Flip Mount, increase the effective range of your red dot sight with the push of a button.



FEATURES

- Nitrogen purged for fogproof, waterproof performance.
- Fully multi-coated for bright views.
- Hard-anodized matte black finish for added protection.
- Flip Mount provides magnified and unmagnified viewing.
- Allows either Lower 1/3 or Absolute Co-Witness mounting heights.

Use the included Flip Mount to quickly switch from unmagnified to magnified viewing.



ROTATED TO OFFSET POSITION

SIZE (H x W)	MAGNIFIER WEIGHT	MOUNTED WEIGHT	FIELD OF VIEW (100 YARDS)	EYE RELIEF
1.7" x 4.3"	7.6 oz	11.9 oz	38.2'	2.2"



VMX-3T™ shown with StrikeFire II.



ENGAGED POSITION

RANGER® 1000

RANGEFINDERS

AT 11,000 FEET WHO WANTS TO RELY ON pretty good?



RANGER 1000 RANGEFINDER

MAGNIFICATION	OBJECTIVE LENS DIAMETER	EYE RELIEF	FIELD OF VIEW AT 1000 YARDS / DEGREES	MIN. REFLECTIVE RANGE	MAX. REFLECTIVE RANGE	WEIGHT	SIZE
6x	22mm	17mm	315' / 6.0°	11 yards	1000 yards	7.7 oz	3.0 x 3.9"





RANGER 1000

FEATURES

RANGER 1000



Fully multi-coated with anti-reflective coatings for brighter views.

Waterproof with o-ring seals.

Rugged, compact and lightweight.

Rubber armor provides a secure, non-slip grip.

Intuitive, easy-to-use menu.

Simple, clean display.

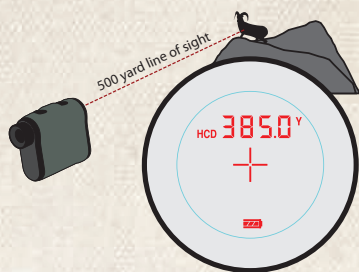
HCD (Horizontal Component Distance) angle compensated ranging.

Choice of ranging in yards or meters.

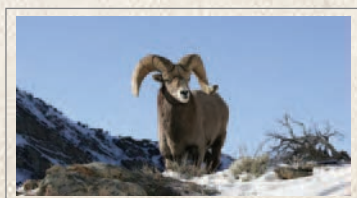
Utility clip for quick field access.

Hunting in extreme situations where EVERYTHING is difficult is no place to realize your rangefinder is less than a top performer. The easy-to-use Ranger® 1000 rangefinder is a welcome companion, capable in every way. Three ranging modes, up to 1,000 yards, are quickly accessed using an uncomplicated, common sense menu. Fully multi-coated lens surfaces ensure maximum light transmission providing bright, tack-sharp images – making it super easy to range your target. There's even a low-battery indicator, so you know how much power you have available at all times. When there's no room for "pretty good", get it right. Get the Ranger 1000.

THREE RANGING MODES



HCD Corrected Shoot-To Range



With accuracy to 1,000 yards, the Ranger 1000 features three ranging modes that are quickly accessed using an uncomplicated, common-sense menu.

1. Horizontal Component Distance (HCD) mode displays the slope angle compensated distance to the target. This is the primary mode used by most bow and rifle hunters.
2. Scan mode displays distance readings when panning across a landscape or tracking a moving animal.
3. Line of Sight (LOS) mode displays the actual line of sight range. This mode will be used by shooters making high angle / long-distance shots in conjunction with slope angle corrected ballistic range cards or an application on a mobile device. Display also shows an Incline Correction number (INC) to adjust bullet drop data for ballistics applications not including slope angle correction.



THE FORCE OF OPTICS

2014



BINOCULARS
& SPOTTERS

VORTEX®

R&R OR B&C? YOU DECIDE.

WHEN IT COMES TO EXTREME HUNTING – REST AND RELAXATION ARE JUST NOT A PART OF THE EQUATION. IF YOU WANT TO PUT BONE ON YOUR WALL, WE KNOW YOU'VE GOT TO GIVE IT EVERYTHING YOU'VE GOT. EXACTLY WHY WE DO THE SAME WHEN IT COMES TO OUR OPTICS. PROVEN. TESTED. ENGINEERED TO EXCEED YOUR EXPECTATIONS – AND BACKED BY THE BEST SERVICE AND WARRANTY IN THE BUSINESS. THESE ARE THE THINGS WE SPEND OUR DAYS FOCUSED ON. EVERY OUNCE OF TECHNOLOGY IN YOUR PACK OR AROUND YOUR NECK IS DIALED IN TO DELIVER – EVERY TIME, AT ALL ELEVATIONS, IN ALL CONDITIONS. PERIOD.

HUNTING OPTICS | THE FORCE OF OPTICS



RAZOR® HD

FULL SIZE ROOF PRISMS



FEATURES



APO optical system combined with HD glass provides unmatched color sharpness.

HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Plasma Tech™ – Cutting edge application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Magnesium chassis decreases weight and increases strength.

Rubber armor provides rugged durability and a secure, non-slip grip.

True Open Hinge™ offers superior ergonomics while decreasing total weight and bulk.

Locking diopter.

Extreme terrain, unimaginable conditions – you live for this stuff. And while others might question your mental state, you remain focused on the task at hand. A task, mind you, that can be accomplished with a pair of Vortex Razor® HDs. With a well-earned reputation for pushing the limits of optical performance, the Razor HDs step up and out on binoculars in their class. Small, light, bright, strong and packed with the best-quality, hand-selected prisms and premium HD/extra-low dispersion glass available today, there is simply nothing left to question.

SMALLER. LIGHTER. CLEARER. STRONGER.

As technologies progress, so will our flagship binocular – the Razor. And thanks to the many cutting-edge features, our Razors lead the Vortex binocular line-up into the future with an incredible pair of optics. Smaller, lighter, clearer and stronger – look through a pair, you will be notably impressed.



RAZOR HD BINOCULARS

MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
12 x 50	15.5mm	10.0'	285.0' / 5.4°	28.7 oz	6.8 x 5.1"	57-74mm
10 X 50	16.5mm	10.0'	315.0' / 6.0°	28.1 oz	6.8 x 5.1"	57-74mm
10 X 42	16.5mm	6.0'	362.0' / 6.9°	24.8 oz	5.9 x 5.1"	55-75mm
8 X 42	17.5mm	6.0'	388.0' / 7.4°	24.2 oz	5.9 x 5.1"	55-75mm



FULL SIZE ROOF PRISMS

THE FORCE OF OPTICS

2014



BINOCULARS



SOME PEOPLE QUESTION YOUR SANITY.

These are usually people who buy all their meat at the grocery store.



KAIBAB® HD

FULL SIZE ROOF PRISMS



RELIABLE, CRYSTAL-CLEAR RECON.

Try getting that from your brother-in-law.

COMPLETELY
NEW
FOR 2014

BINOCULARS

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The ultimate long-range binocular, the Kaibab® HD leaves little to the imagination – or in the hands of less than perfect hunting partners. Every detail – even at extreme long ranges – is revealed in vivid high-definition color. Every speck is translated into opportunity. Pushing the performance envelope, the Kaibab® HD offers the power and optical features you need to dissect the landscape in search of big game. Superior images, stunning resolution and, of course, incredible power. When it comes to “do-it-yourself or else” – the Kaibab delivers.



**UNI-DAPTOR
TRIPOD MOUNT**
Included with the Kaibab HD, the Uni-Daptor is a slim, lightweight, quick-detaching tripod mount.

FEATURES

KAIBAB HD



APO optical system combined with HD glass provides unmatched color sharpness.

HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Plasma Tech™ – Cutting edge application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Rugged rubber armor provides a secure, non-slip grip.

56mm objective maximizes low-light performance.

Locking diopter.

THE ULTIMATE WESTERN HUNTING BINOCULAR

Named in honor of the famous North Kaibab plateau, home of some of the country's best mule deer hunting. This spectacular forest of ponderosa pine, spruce, fir and aspen is located between the north rim of the Grand Canyon and the desert of northern Arizona. Deep, rugged canyons and pinyon-juniper plateaus and ridges make it one of the most beautiful and challenging hunting regions in

America. During the highly desired late season hunts, weather and the rut begin to force big mulie bucks into lower, more open country. When that time comes, hours of glassing with high-powered binoculars and spotting scopes becomes the preferred tactic. With serious patience and the highest quality optics like the Kaibab HD 15x56 binocular, the reward can be the buck of a lifetime.

KAIBAB HD BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE ROOF PRISM	*20 x 56	15.0mm	23.0'	168' / 3.2°	43.6 oz	7.7 x 5.7"	60-76mm
	*15 x 56	15.0mm	23.0'	215' / 4.1°	43.9 oz	7.7 x 5.7"	60-76mm

* New Model for 2014



VIPER® HD

FULL/MID SIZE ROOF PRISMS

Hang a pair of Viper® HDs around your neck, and you tell everyone you're ready to score – and ready to score big. Your new Viper HDs will also let everyone know you have a keen eye for premium-quality binoculars packed with everything you need and nothing you don't. Rugged, compact, and light-weight – one of the lightest full-size binoculars to date – it's easy to see why the Vipers are award winners. Add in HD (High Density) extra-low dispersion glass for impressive resolution and color fidelity and the Vipers change more than the game. They change the results, too.



PRECISION-PERFORMANCE OPTICS COMPLETELY CHANGE THE GAME. Grunt if you agree.

ADDED NEW
MODELS
FOR **2014**

BINOCULARS

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FEATURES

VIPER HD



HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Rugged rubber armor provides a secure, non-slip grip.

Locking diopter.



VIPER HD BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE ROOF PRISMS	15 x 50	16.0mm	8.2'	210' / 4.0°	28.4 oz	6.7 x 5.2"	59-75mm
	* 12 x 50	15.0mm	8.5'	252' / 4.8°	28.0 oz	6.7 x 5.2"	59-75mm
	10 x 50	19.5mm	8.2'	278' / 5.3°	28.4 oz	6.7 x 5.2"	59-75mm
	10 x 42	16.5mm	5.1'	319' / 6.1°	24.6 oz	5.8 x 5.3"	59-75mm
MID SIZE ROOF PRISMS	8 x 42	20.0mm	5.1'	347' / 6.6°	24.2 oz	5.8 x 5.3"	59-75mm
	8 x 32	16.0mm	3.0'	400' / 7.6°	20.6 oz	4.9 x 4.8"	59-75mm
	6 x 32	19.5mm	3.0'	420' / 8.0°	20.6 oz	4.9 x 4.8"	59-75mm

* New Model for 2014



THE FORCE OF OPTICS

2014



BINOCULARS



VIPER®

COMPACT ROOF PRISMS

Not all compact optics are created equal. We offer proof here. In fact, the Viper® compact changes what you should expect entirely. From its rugged, solidly built single-hinge design to the premium optics usually found only in full size binoculars, the Vipers offer nicely sized viewing at a price that leaves other compacts staring at each other on the sales counter.

FEATURES

VIPER COMPACT



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Rugged rubber armor provides a secure, non-slip grip.

VIPER COMPACT BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
COMPACT ROOF PRISMS	10 x 28	19.0mm	7.5'	267' / 5.1°	12.0 oz	4.7 x 4.5"	56-73mm
	8 x 28	20.0mm	7.5'	319' / 6.1°	11.8 oz	4.7 x 4.5"	56-73mm





TALON® HD

FULL/MID SIZE ROOF PRISMS

Glassing of any kind is put right at your fingertips with sweet HD extra-low dispersion glass, delivering impressive resolution and color fidelity, resulting in High Definition images. Both sizes, 42mm and 32mm, offer XR™ fully multi-coated lenses to increase light transmission for maximum brightness. Every detail is delivered as if you were standing right there. Literally.



FEATURES TALON HD



HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

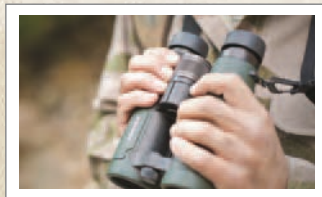
Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Rugged rubber armor provides a secure, non-slip grip.



WRAP YOUR HANDS AROUND THIS:

Pick up a pair of Talon HDs and you will instantly become attached to the slim, thoughtfully designed chassis. You will notice a redefined balance and comfort. Naturally weighted and contoured to fit your hands – fatigue is a thing of the past.

TALON HD BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE ROOF PRISMS	10 x 42	16.0mm	6.0'	348' / 6.6°	26.5 oz	6.7 x 5.0"	56-73mm
	8 x 42	18.0mm	6.0'	425' / 8.1°	27.4 oz	6.7 x 5.0"	56-73mm
MID SIZE ROOF PRISMS	10 x 32	14.3mm	8.0'	330' / 6.3°	19.6 oz	5.4 x 5.0"	56-73mm
	8 x 32	15.2mm	8.2'	420' / 8.0°	19.8 oz	5.4 x 5.0"	56-73mm



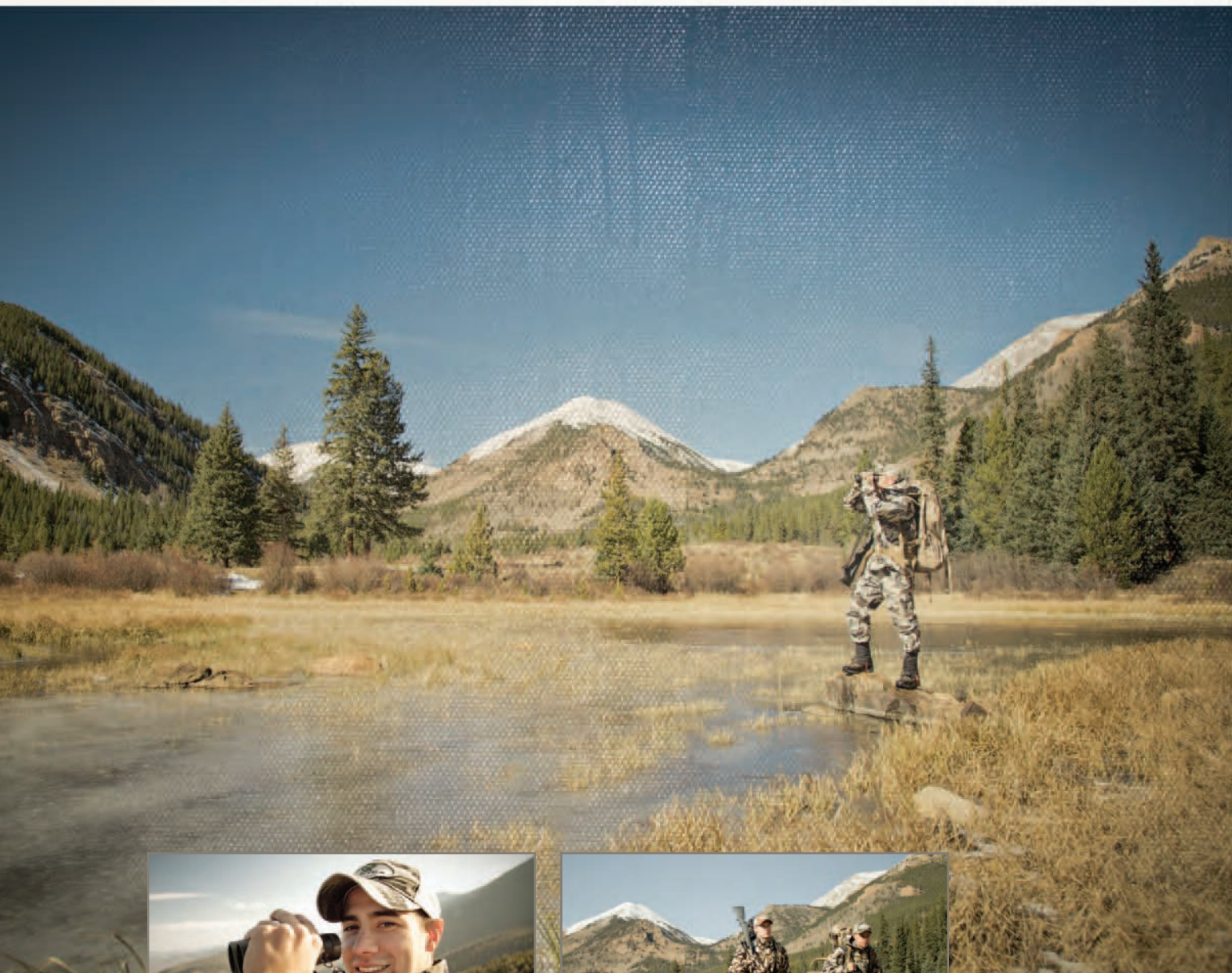
THE FORCE OF OPTICS

2014



BINOCULARS

ZERO IN, IN, IN, IN.



VULTURE® HD

FULL SIZE ROOF PRISMS

Sure to end the confidence most bucks rely on when the magic hour is upon us, the Vulture® HD's large diameter 56mm objective lenses make a fantastic choice for extreme low-light situations. Premium, phase-corrected roof prisms, fully multi-coated optics and our proprietary XR™ coatings deliver a super-bright image that's sharp from edge-to-edge. Completely waterproof and argon gas purged for absolute fogproof performance, the Vulture HD is available in three magnifications: 8x56, 10x56, and the new 15x56. All three models are ready to reveal what those bucks are up to even when they don't know what you're up to.

ADDED NEW
MODELS
FOR 2014

NOW YOU CAN SEE THEM not worrying about you seeing them.

BINOCULARS

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2014



BINOCULARS



FEATURES
VULTURE HD



HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

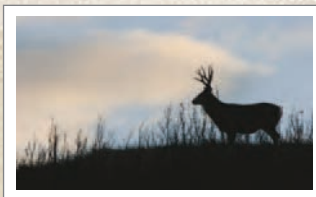
ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Phase-corrected prisms for sharp images and contrast.

Rugged rubber armor provides a secure, non-slip grip.

56mm objective maximizes low-light performance.



THE BENEFITS OF 56MM OBJECTIVE LENS

Let there be light. With 56mm objective diameters, Vulture HD binoculars deliver absolutely incredible light transmission and superior low-light performance – a critical attribute at dawn and dusk when game can be most active. When that buck or bull is racing sun-up to slip back into cover for the day, or just revealing himself before the protective cloak of darkness takes over for the night, you need the optical power of the Vulture HD series to make those precious seconds count.

VULTURE HD BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE ROOF PRISMS	* 15 x 56	15.0mm	15.0'	226' / 4.3°	43.6 oz	7.6 x 5.8"	59-74mm
	10 x 56	18.2mm	9.8'	320' / 6.1°	39.2 oz	6.6 x 5.8"	57-73mm
	8 x 56	23.0mm	9.8'	328' / 6.3°	39.2 oz	6.6 x 5.8"	57-73mm

* New Model for 2014



DIAMONDBACK®

FULL/MID SIZE ROOF PRISMS

You can't shoot what you can't see. We all know that. And you can't see much without the right binos in front of your face. Do a little homework there, and you'll discover that superior quality, high-performance hunting optics can find their way around your neck for a surprisingly affordable price. With 50mm, 42mm, 32mm, and 28mm models, the Diamondback® series offers a range of options to suit any hunter's needs. Loaded with features including fully multi-coated optics, phase-corrected prisms, rugged rubber armor, waterproof/fogproof construction and soft tapered eyecups, these binos do their job, so you can do yours.



FEATURES DIAMONDBACK



- Fully multi-coated with anti-reflective lens coatings for brighter views.
- Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.
- Phase-corrected prisms for sharp images and contrast.
- Rugged diamond-checked rubber armor provides a secure, non-slip grip.
- Super-wide field of view for scanning.



DIAMONDBACK®

COMPACT ROOF PRISMS

FEATURES DIAMONDBACK



- Fully multi-coated with anti-reflective lens coatings for brighter views.
- Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.
- Phase-corrected prisms for sharp images and contrast.
- Rugged diamond-checked rubber armor provides a secure, non-slip grip.
- Super-wide field of view for scanning.



Typically, compact binoculars make you give up more than a few features to get their size down. But, thankfully, the Diamondback® compacts are anything but typical. Their light-gathering 28mm objective lenses serve up images that are bright and clear. Add in the enhanced, fully multi-coated, phase-corrected optics for high-contrast and color fidelity, argon gas purging for waterproof/fogproof performance, diamond-checked rubber armor and you're looking at a pair of lightweight, compact binoculars that change everything.

THE FORCE OF OPTICS

2014



BINOCULARS



VIEW GAME IN LIVING COLOR.

Living for a little while anyway.



DIAMONDBACK BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE ROOF PRISMS	12 x 50	18.0mm	9.0'	241' / 4.6°	31.0 oz	6.8 x 5.6"	61-74mm
	10 x 50	19.0mm	9.0'	283' / 5.4°	31.0 oz	6.8 x 5.6"	61-74mm
	8.5 x 50	21.5mm	9.0'	283' / 5.4°	31.0 oz	6.9 x 5.6"	61-74mm
	10 x 42	16.0mm	5.0'	345' / 6.6°	24.4 oz	5.9 x 5.6"	57-73mm
MID SIZE ROOF PRISMS	8 x 42	18.0mm	4.5'	420' / 8.0°	25.2 oz	5.9 x 5.6"	57-73mm
	10 x 32	10.0mm	5.3'	341' / 6.5°	18.8 oz	4.5 x 5.3"	58-74mm
COMPACT ROOF PRISMS	8 x 32	12.0mm	5.3'	420' / 8.0°	18.4 oz	4.5 x 5.3"	58-74mm
	10 x 28	16.0mm	13.1'	300' / 5.7°	14.0 oz	4.8 x 4.5"	56-74mm
	8 x 28	19.3mm	13.1'	360' / 6.9°	14.0 oz	4.8 x 4.5"	56-74mm



CROSSFIRE® II

FULL SIZE ROOF PRISMS

Success as a hunter comes with certain bragging rights. So brag you must. Enter the Crossfire® II. Feature for feature, hunters enjoy rubbing in that they deliver more optical quality and performance than any other binos in their price-range. Fully multi-coated optics, full waterproof/fogproof protection, twist-up eyecups and a rubber armored chassis, the Crossfire II redefines the “best-choice-for-the-money” class. Period.



BINOCULARS

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BRAGGING ABOUT TROPHIES BEATS

bragging about how much you paid for optics.



FEATURES

CROSSFIRE II



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Rugged rubber armor provides a secure, non-slip grip.

CROSSFIRE II BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE	10 x 42	14.0mm	7.0'	315' / 6.0°	20.8 oz	5.6 x 5.0"	58-75mm
ROOF PRISMS	8 x 42	17.0mm	7.0'	315' / 6.0°	21.2 oz	5.9 x 5.0"	58-75mm



THE FORCE OF OPTICS

2014



BINOCULARS



//// //// VANQUISH™
COMPACT REVERSE PORRO PRISMS



These compact travelers find their way into more adventures around the globe courtesy of forward-thinking engineering and on-the-go hunting tactics. The reverse porro prism design with fully multi-coated optics renders images crisp and bright. The wide field of view makes quick work of scanning the landscape. Weighing in at merely 12.7 ounces and competitively priced, the Vanquish™ is the perfect companion.

FEATURES
VANQUISH



- Fully multi-coated with anti-reflective lens coatings for brighter views.
- Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Rugged diamond-checked rubber armor provides a secure, non-slip grip.

Compact size.

VANQUISH BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
REVERSE PORRO PRISMS	10 x 26	16.0mm	7.6'	294' / 5.6°	12.7 oz	4.7 x 4.4"	57-71mm
	8 x 26	15.0mm	7.6'	352' / 6.7°	12.7 oz	4.7 x 4.4"	57-71mm



HURRICANE®

FULL SIZE PORRO PRISM

Bring it on: the roughest conditions, the wettest weather and the harshest climates. You're ready for it – and so is your Hurricane® binocular. Built to endure all of the above, they feature a ruggedly built, porro-prism design, with individually focused eyepieces, non-slip/non-skid rubber armor housings and 100% waterproof/shockproof/fogproof/dustproof construction. All lens surfaces are fully multi-coated with Vortex's XR™ anti-reflective coatings and exterior lens surfaces are protected from scratches, oils and corrosive salts by ArmorTek® Argon gas purging seals the deal by eliminating internal fogging and corrosion.

WHEN RAINY AND HUNTING SEASON GET TOGETHER, you'll be ready.

BINOCULARS

50



FEATURES HURRICANE



XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Rugged rubber armor provides a secure, non-slip grip.

Ideal for long-term surveillance.

Individual eyepiece adjustment provides precise focus.

HURRICANE BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
FULL SIZE PORRO PRISMS	10 x 50	15.0mm	30.0'	341' / 6.5°	38.4 oz	7.4 x 8.0"	56-74mm
	7 x 50	17.0mm	30.0'	378' / 7.2°	39.4 oz	7.4 x 8.0"	56-74mm



THE FORCE OF OPTICS

2014



BINOCULARS



RAPTOR®

MID SIZE PORRO PRISMS



BEST WAY TO KEEP THE ATTENTION OF FUTURE HUNTERS,
is by using technology from the future.

Porro prism performance in a mid-size, wide-angle design, the Raptors™ offer bright, crisp images with excellent color fidelity – even in low light conditions. Highlighted by their wide range of interpupillary distances, they are especially suited to accommodate smaller faces. Easily adjusted, the Raptor will fit anyone in the family – especially the young hunters in camp.



HIGHLY ADJUSTABLE INTERPUPILLARY DISTANCE

Because of the highly adjustable interpupillary distance, the Raptors nicely fit anyone in the family – including youngsters.

FEATURES
RAPTOR



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

Rugged rubber armor provides a secure, non-slip grip.

RAPTOR BINOCULARS

	MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	HEIGHT x WIDTH	INTERPUPILLARY DISTANCE
MID SIZE PORRO PRISMS	8.5 x 32	14.0mm	15.0'	390' / 7.4°	17.3 oz	4.5 x 5.7"	50-70mm
	6.5 x 32	20.0mm	15.0'	410' / 7.8°	17.3 oz	4.5 x 5.7"	50-70mm



RECON®

MONOCULARS

WHEN EVERY OUNCE COUNTS.

“Tread lightly” is a severe understatement for the high country hunter – where every ounce in your pack is carefully considered. Lightweight, compact and powerful, the 15x50 Recon® Mountain is a full-featured, hand-held optic with an integral hand strap and carry clip. Weighing in at only 15.2 ounces, every optical surface is fully multi-coated with our multi-layer XR™ coatings, and the large 50mm objective lens is protected with ArmorTek® to resist scratches, dirt, grease and smudges. Waterproof and fogproof – the tripod-adaptable Recon Mountain is required equipment when your packing list is shorter than this paragraph.



RECON MOUNTAIN
15 x 50 Patented Design



< 3-POSITION UTILITY CLIP
The versatile, multi-position utility clip allows quick attachment of the Recon to belts and pack straps.

FEATURES RECON



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Shockproof construction withstands impact.

Phase-corrected prisms for sharp images and contrast.

Compact, lightweight, rubber armored chassis.

Utility clip allows for multiple attachment points and quick field access.

RECON MOUNTAIN

MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW AT 1000 YARDS / DEGREES	WEIGHT	LENGTH
15 x 50	16.0mm	12.0'	215' / 4.1°	15.2 oz	7.0"

US Patent D603,436S US Patent 8,116,015



BINOCULAR

ACCESSORIES



ARCHER'S BINOCULAR STRAP
Keep your binoculars at your side and out of the way with the archer's binocular strap.



BINOCULAR TRIPOD ADAPTER
Maximize performance by using the Vortex tripod adapter to steady viewing on a tripod or car window mount.



BINOCULAR HARNESS
Say "so long" to neck strain and keep your binoculars from jostling around as you move down the trail.



2X DOUBLER
Doubles the magnification of most 32mm or larger binoculars and Recon® to take in details more typically observed through a spotting scope.



WHEN EVERY POCKET IS ALREADY SPOKEN FOR.

Extremely popular with bow hunters and backpackers, the Solo® monocular is built to deliver big – despite its compact size. The generous eye relief and a large exit pupil deliver optical performance normally reserved for binoculars. Available in both 25mm and 36mm objective lenses, the Solos feature premium roof prisms and fully multi-coated optics for a bright, clear view. Completely waterproof and nitrogen purged, with a textured rubber armor and convenient belt or shoulder strap clip – they're good to go. Easy pick.

SOLO® MONOCULARS

SOLO 25MM
8x25



SOLO 36MM
8x36



UTILITY CLIP:

Solo 36mm monoculars feature a utility clip that works with your belt, pack strap or webbing for quick, handy access.

FEATURES SOLO



Fully multi-coated with anti-reflective lens coatings for brighter views.

Nitrogen gas purging delivers fogproof, waterproof performance.

Super compact and rugged.

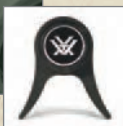
Rugged rubber armor provides a secure, non-slip grip.

Contoured design for comfortable handling.

Utility clip on 36mm models allows for multiple attachment points and quick field access.

SOLO MONOCULARS

MAGNIFICATION x OBJECTIVE LENS	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	WEIGHT	LENGTH
10 x 36	15.0mm	16.4'	325' / 6.2°	9.7 oz	4.9"
8 x 36	18.0mm	16.4'	393' / 7.5°	9.7 oz	4.9"
10 x 25	14.5mm	16.4'	315' / 6.0°	5.6 oz	4.4"
8 x 25	15.0mm	16.4'	378' / 7.2°	5.6 oz	4.4"

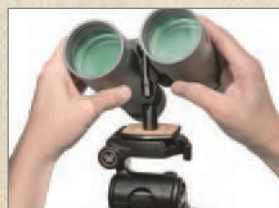


BINOC-LOC®

Lock your binocular hinge exactly on point once and for all – and keep the binocular barrels in perfect alignment with your eyes. Not compatible with Talon HD models. US Patent D593,587S

UNI-DAPTOR TRIPOD ADAPTER

Vortex's innovative Uni-Daptor is precision-machined from aluminum for a strong, rigid connection between your binocular and tripod. It will fit any tripod-adaptable binocular and comes as a supplied accessory with our Kaibab HD binocular and Recon monocular. Its slim profile allows it to fit between the barrels of the largest high-powered binoculars, and a quick-release connector allows the binocular to be removed for hand-held use without disconnecting the entire adapter.



RAZOR® HD

SPOTTING SCOPES



KNOW YOUR TARGET. Every last hair on his head.

Simply one of the finest spotting scopes you can buy, the Razor® HD competes at the highest level of performance. The sophisticated triplet apochromatic lens system, precision-ground from high-definition optical glass, eliminates nearly all chromatic aberration across the entire field of view. The result? No fringing, no degradation of resolution, no dilution of color fidelity at longer viewing distances. Simply incredible is an understatement. The Razor® HDs place Vortex where it counts with respect to its world-renowned spotters.

FEATURES

RAZOR HD | 85MM/65MM



HD (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Plasma Tech™ — Cutting edge application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Zoom eyepiece included.

Objective with triplet apochromatic lens system.

Choice of angled or straight eyepiece position.

Compact, die-cast magnesium alloy body.

Dual focus for fast and fine adjustments.

Built-in sunshade reduces glare and shields objective lens.

Rotating tripod collar provides adjustable viewing angles.



RAZOR HD 65MM STRAIGHT

RAZOR HD 85MM ANGLED

Patented Design

RAZOR HD SPOTTING SCOPES

	MAGNIFICATION x OBJECTIVE LENS	EYEPIECE POSITION	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	SCOPE WEIGHT	SCOPE LENGTH
85mm MODELS	20-60 x 85	Angled	18-20mm	16.4'	117-60' / 2.2-1.1°	65.7 oz	15.3"
	20-60 x 85	Straight	18-20mm	16.4'	117-60' / 2.2-1.1°	65.7 oz	15.8"
65mm MODELS	16-48 x 65	Angled	18-20mm	11.5'	138-75' / 2.7-1.4°	48.4 oz	14.1"
	16-48 x 65	Straight	18-20mm	11.5'	138-75' / 2.7-1.4°	48.4 oz	14.6"
FIXED EYEPIECE 23x / 30x	23x (65mm scopes)	—	18mm	—	135' / 2.6° (65mm)	—	—
	30x (85mm scopes)	—	18mm	—	112' / 2.1° (85mm)	—	—
FIXED EYEPIECE 18x / 23x	LER 18x (65mm scopes)	—	31mm	—	129' / 2.5° (65mm)	—	—
	LER 23x (85mm scopes)	—	31mm	—	103' / 2.0° (85mm)	—	—
30X W/ RANGING EYEPIECE	30x (85mm scopes) with MOA or MRAD reticle	—	18mm	—	112' / 2.1° (85mm)	—	—



US Patent D595,754S



RAZOR HD 50MM ANGLED

RAZOR HD 50MM STRAIGHT

Patented Design

FEATURES
RAZOR HD | 50MM



HD (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.

XRPlus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Plasma Tech™ — Cutting edge application process provides unparalleled coating durability and performance.

ArmorTek® protects exterior lenses from scratches, oil and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

Zoom eyepiece included.

Objective with triplet apochromatic lens system.

Choice of angled or straight eyepiece position.

Ultra-compact, lightweight body.

Dual focus for fast and fine adjustments.

DIGITAL CAMERA ADAPTER FOR DIGISCOPING

Our Digital Camera Adapter for the Razor® HD 85mm / 65mm spotting scopes easily converts your camera to a high-powered telephoto lens. Works with DSLR cameras and, with the PS-100 attachment, you can easily digiscope with your point-and-shoot camera, too. Super easy to use — making image capturing simple.



Shown here with the adapter on scope.



RAZOR HD FIXED EYEPIECES

Various fixed-power eyepieces are available for use with Razor HD 85mm / 65mm spotting scopes, including the 18x / 23x LER and 23x / 30x WA eyepieces.

RAZOR HD SPOTTING SCOPES

	MAGNIFICATION x OBJECTIVE LENS	EYEPIECE POSITION	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	SCOPE WEIGHT	SCOPE LENGTH
50mm MODELS	11-33 x 50	Angled	20mm	6.6'	191-96' / 3.6-1.8°	25.0 oz	10.3"
	11-33 x 50	Straight	20mm	6.6'	191-96' / 3.6-1.8°	25.0 oz	11.0"

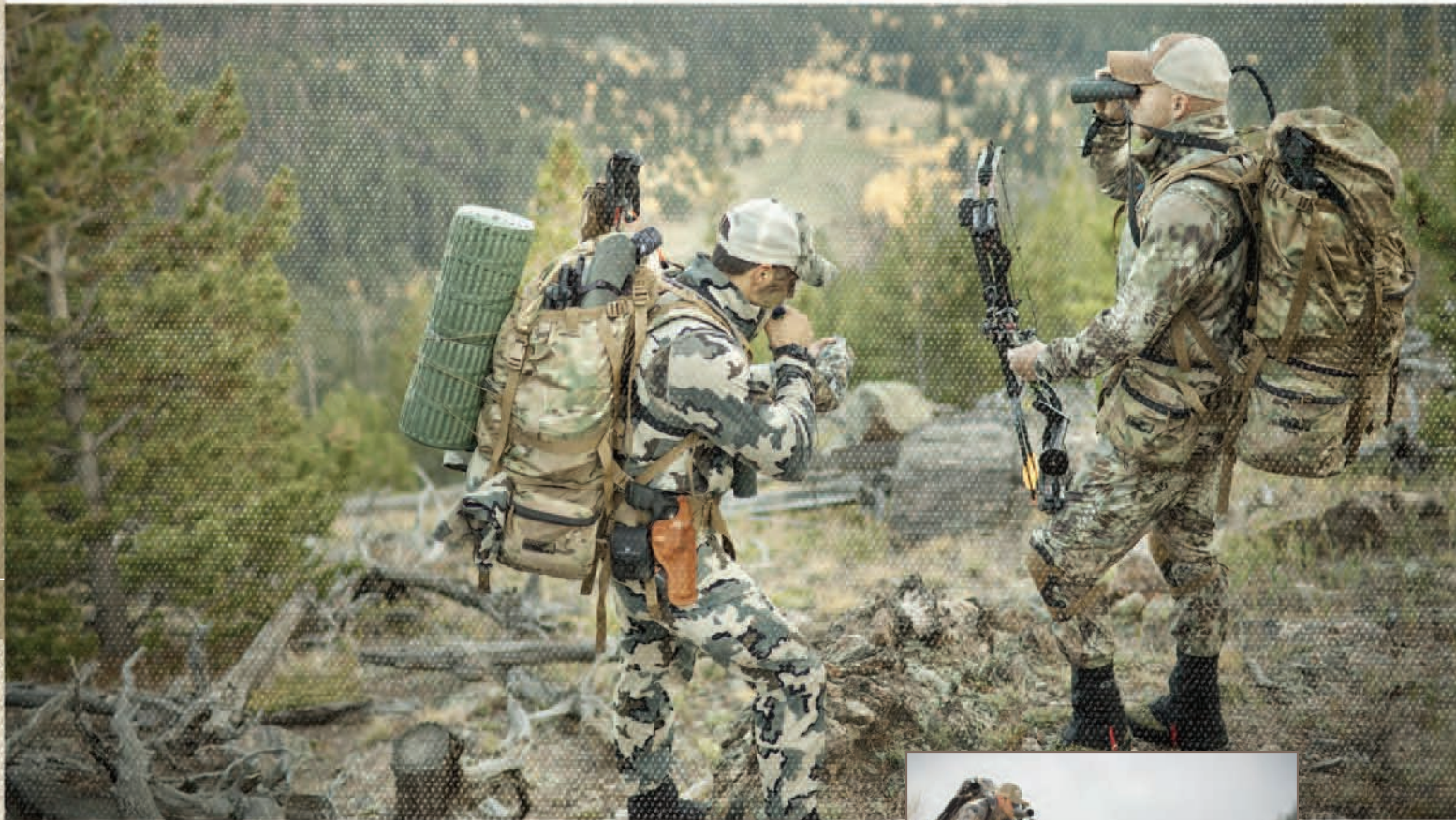


US Patent D595,754S

VIPER® HD

SPOTTING SCOPES

MORE SPOT. Less stalk.



VIPER HD 80MM
STRAIGHT



Shown here with
adapter on scope.



Viper HD shown with
adapter and DSLR camera.



Shown with PS-100 attachment
and point-and-shoot camera.

DIGITAL CAMERA ADAPTER

Our Digital Camera Adapter for the Viper® HD spotting scope easily converts your camera to a high-powered telephoto lens. Works with DSLR cameras and, with the PS-100 attachment, you can easily digiscope with your point-and-shoot camera, too. Super easy to use, making capturing images simple.



Featuring HD glass, angled or straight eyepiece positions, and 65mm or 80mm objective lenses, for long-range observation, the Viper® HD spotter puts incredible glassing performance at your fingertips. Easily the best way to locate your trophy without putting a mile on your boots – the high-performing Viper has your name on it. That's step one.

FEATURES

VIPER HD | 80MM/65MM



HD (High Density) extra-low dispersion glass delivers impressive resolution and color fidelity, resulting in High Definition images.

XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

ArmorTek® protects exterior lenses from scratches, oil, and dirt.

Argon gas purging with o-ring seals guarantees superior fogproof and waterproof performance.

80mm objective lens with 20-60x zoom eyepiece.
65mm objective lens with 15-45x zoom eyepiece.

Choice of angled or straight eyepiece position.

Rubber armored for added protection.

Dual focus for fast and fine adjustments.

Built-in sunshade reduces glare and shields objective lens.

Rotating tripod collar provides adjustable viewing angles.

VIPER HD 65MM
ANGLED

VIPER HD SPOTTING SCOPES

	MAGNIFICATION x OBJECTIVE LENS	EYEPIECE POSITION	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	SCOPE WEIGHT	SCOPE LENGTH
80MM MODELS	20-60 x 80 HD	Angled	18mm	22.0'	110-50' / 2.1-1.0°	67.0 oz	17.5"
	20-60 x 80 HD	Straight	18mm	22.0'	110-50' / 2.1-1.0°	66.1 oz	17.5"
	33x (80mm scopes)	—	18mm	22.0'	120' / 2.3°	—	—
65MM MODELS	15-45 x 65 HD	Angled	18mm	16.0'	140-65' / 2.7-1.2°	53.3 oz	15.8"
	15-45 x 65 HD	Straight	18mm	16.0'	140-65' / 2.7-1.2°	52.0 oz	15.8"
	25x (65mm scopes)	—	18mm	16.0'	150' / 2.9°	—	—



DIAMONDBACK®
SPOTTING SCOPES

FOR THE HUNTER IN YOU TO PREVAIL,
the gatherer needs to pull its weight.

SPOTTING SCOPES

58



DIAMONDBACK 80MM
ANGLED



DIAMONDBACK 60MM
STRAIGHT

The Diamondback® spotter delivers incredible intel-gathering performance at an unexpected price. Feature for feature, these spotters do not disappoint. Multi-layered prism coatings along with the XR™ fully multi-coated optics guarantee a bright image – even at the highest end of magnification. And, the rugged, waterproof, impact-resistant construction stands up to rough use in the field. Gather one of these in your hunting arsenal and you're good to go.

FEATURES

DIAMONDBACK | 80MM/60MM



XR™ fully multi-coated lenses increase light transmission for optimal brightness.

Dielectric multi-layer prism coatings provide bright, clear, color-accurate images.

Nitrogen gas purging with o-ring seals delivers fogproof, waterproof performance.

80mm objective lens with 20–60x zoom eyepiece.
60mm objective lens with 20–60x zoom eyepiece.

Choice of angled or straight eyepiece position.

Trim, lightweight design.

Built-in sunshade reduces glare and shields objective lens.

Rotating tripod collar provides adjustable viewing angles.



Diamondback spotting scopes come complete with a zoom eyepiece and a custom view-through case for optimal protection.

DIAMONDBACK SPOTTING SCOPES

	MAGNIFICATION x OBJECTIVE LENS	EYEPIECE POSITION	EYE RELIEF ADJUSTMENT	CLOSE FOCUS DISTANCE	FIELD OF VIEW 1000 YARDS / DEGREES	SCOPE WEIGHT	SCOPE LENGTH
80MM MODELS	20-60 x 80	Angled	16.5-20mm	22.0'	105-51' / 2.0-1°	47.1 oz	14.8"
	20-60 x 80	Straight	16.5-20mm	22.0'	105-51' / 2.0-1°	47.1 oz	15.7"
60MM MODELS	20-60 x 60	Angled	14-17mm	20.0'	114-51' / 2.2-1°	33.8 oz	14.0"
	20-60 x 60	Straight	14-17mm	20.0'	114-51' / 2.2-1°	33.8 oz	14.4"



TRIPODS

ADDED NEW
MODELS
FOR 2014

TRIPODS

60



SUMMIT XLT
TRIPOD

SUMMIT XLT™

A full-size tripod in a lightweight, compact package, the Summit XLT™ (Extra-Long Extension) provides maximum tripod versatility without weighing you down.

FEATURES:

- 5-section legs for maximum height with minimum packing length.
- Light weight for an easy carry.
- Twist leg locks for variable height adjustment and reduced bulk.
- Compact ball head with quick-release plate and locking mechanism.
- Variable leg angle adjustments allow for flexible positioning.
- Anodized aluminum legs for sturdy support.
- Balance hook holds extra weight for greater stability in windy conditions.
- Rubber feet stand sure-footed on slick surfaces.



SUMMIT SS
TRIPOD

SUMMIT SS-P
TRIPOD

SUMMIT SS™ SUMMIT SS-P™

Our ultimate backpacking tripods, the Summit SS™ and Summit SS-P™ provide the perfect combination of compact size, lightweight design, rugged build and fast operation. Choose the SS (Super Short) for situations where space and weight are primary considerations.

BOTH MODELS FEATURE:

- 5-section legs for maximum height with minimum packing length.
- Light weight for an easy carry.
- Twist leg locks for variable height adjustment and reduced bulk.
- Choice of compact ball head or panhead with quick-release plate and locking mechanism.
- Variable leg angle adjustments allow for flexible positioning
- Anodized aluminum legs for sturdy support.
- Split center column allows you to get closer to the ground.
- Balance hook holds extra weight for greater stability in windy conditions.
- Rubber feet stand sure-footed on slick surfaces.

SUMMIT™ CAR WINDOW MOUNT

The compact Summit™ car window mount features an easy-to-manipulate ball head for fast subject acquisition. The quick-release plate allows convenient mounting of optics.



VORTEX TRIPOD KITS

	MODEL NAME	WEIGHT	MAX LOAD	MINIMUM TO MAXIMUM HEIGHT	FOLDED DIMENSIONS	LEG SECTIONS	LEG ANGLES	LEG LOCKS	HEAD DESIGN
TRIPOD KITS	Summit XLT	3.6 POUNDS	11 POUNDS	7.6 - 64.1"	18.1 x 4.0"	5	3	Twist	Ball
	Summit SS	1.8 POUNDS	5 POUNDS	6.3 - 54.5"	14.0 x 3.8"	5	3	Twist	Ball
	* Summit SS-P	2.0 POUNDS	5 POUNDS	6.3 - 54.5"	14.0 x 4.5"	5	3	Twist	Pan
CAR WINDOW MOUNT	Summit	12.3 oz	5 POUNDS	5.4"	5.4 x 3.0"	-	-	-	Ball

* New Model for 2014

SKYLINE
TRIPODPRO GT
TRIPODHIGH
COUNTRY
TRIPODRIDGEVIEW
TRIPOD

VORTEX® CAR WINDOW MOUNT

Sets up in moments – letting you use any vehicle as a blind for viewing with spotting scopes and binoculars.



SKYLINE™

For rock-solid performance in the most demanding situations, you need a Skyline™ tripod. Rugged anodized legs, variable leg angles, split center column and a smooth, precise fluid head will help deliver maximum performance from your optics set-up.

PRO GT™

For reliable performance at a reasonable cost, look to the Pro GT.™ Designed to handle any condition, sturdy anodized legs combined with a rugged 3-way quick-release pan head deliver smooth, solid support for your optics.

BOTH MODELS FEATURE:

- Anodized aluminum legs for sturdy support.
- Padded leg wraps for added comfort.
- Flip lever leg locks for rapid set up and height adjustment.
- Quick-release plate and locking mechanism.
- Balance hook holds extra weight for greater stability in windy conditions.
- Rubber feet stand sure-footed on slick surfaces.

RIDGEVIEW™

A perfect full-featured back-country tripod. Light and compact enough to carry everywhere, yet rock solid and dependable when glassing extreme distances at high magnifications.

HIGH COUNTRY™

Smaller, lighter and more compact than our Ridgeview,™ the High Country™ is designed for hunting at altitudes where every ounce counts. Split center column – allows you to get closer to the ground.

BOTH MODELS FEATURE:

- Anodized aluminum legs for sturdy support.
- Ball head with quick-release plate and locking mechanism.
- Flip lever leg locks for rapid height adjustment.
- Variable leg angle adjustments allow for flexible positioning.
- Ultra-compact and lightweight for an easy carry.
- Balance hook holds extra weight for greater stability in windy conditions.
- Rubber feet stand sure-footed on slick surfaces.

VORTEX TRIPOD KITS

	MODEL NAME	WEIGHT	MAX LOAD	MINIMUM TO MAXIMUM HEIGHT	FOLDED DIMENSIONS	LEG SECTIONS	LEG ANGLES	LEG LOCKS	HEAD DESIGN
TRIPOD KITS	Skyline	5.0 POUNDS	11 POUNDS	8.9 - 68.0"	26.0 x 4.5"	3	3	Flip-up Lever	Micro-Fluid
	Pro GT	4.4 POUNDS	10 POUNDS	23.9 - 67.1"	24.6 x 5.0"	3	Fixed	Flip-up Lever	Pan
	Ridgeview	3.6 POUNDS	8 POUNDS	35.5 - 60.9"	23.0 x 3.5"	4	3	Flip-up Lever	Ball
	High Country	2.1 POUNDS	5 POUNDS	14.8 - 53.8"	18.8 x 3.5"	5	3	Flip-up Lever	Ball
CAR WINDOW MOUNT	Vortex	1.2 POUNDS	5 POUNDS	3.0"	3.0 x 8.3"	—	—	—	Pan

RAZOR® HD GEN II > FIRST FOCAL PLANE

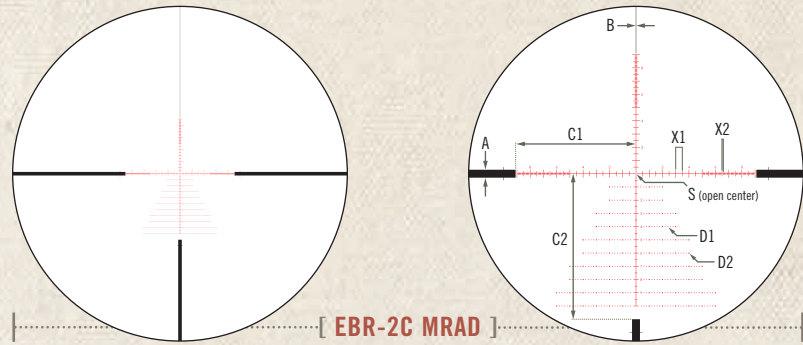
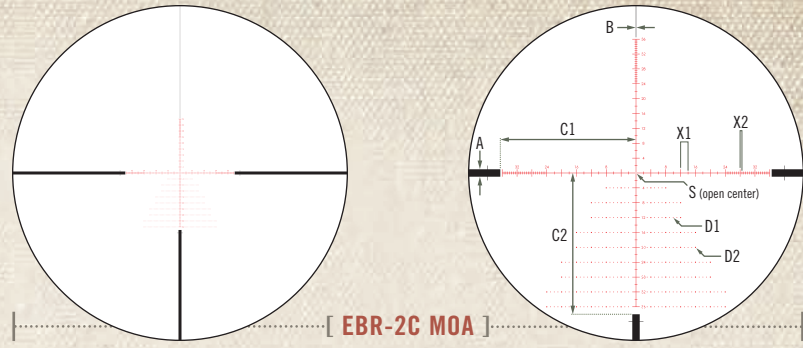
RIFLESCOPE AND RETICLE SPECIFICATIONS

RAZOR HD GEN II EBR-2C MOA and MRAD RETICLE

Hashmarked ranging reticle using MOA or MRAD based subtension lines for ranging, holdover, and windage corrections. Includes windage reference dots on drop lines.

Letters refer to reticle subtensions listed in chart below.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

SPECIFICATIONS

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RAZOR HD GEN II RIFLESCOPES

	MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
30mm Tubes	1-6 x 24	JM-1 BDC MOA	25.2 oz	4.0"	115.2 - 20.5'	30mm	Argon Gas	XRPlus	Stealth Shadow	1/2 MOA	150 MOA	150 MOA	50 MOA	Low Capped	100	✓
	* 1-6 x 24	VMR-2 MOA	25.2 oz	4.0"	115.2 - 20.5'	30mm	Argon Gas	XRPlus	Stealth Shadow	1/2 MOA	150 MOA	150 MOA	50 MOA	Low Capped	100	✓
	* 1-6 x 24	VMR-2 MRAD	25.2 oz	4.0"	115.2 - 20.5'	30mm	Argon Gas	XRPlus	Stealth Shadow	.2 MRAD	43 MRAD	43 MRAD	20 MRAD	Low Capped	100	✓
34mm Tubes	* 3-18 x 50 FFP	EBR-2C MOA	46.5 oz	3.7"	37.8 - 6.25'	34mm	Argon Gas	XRPlus	Stealth Shadow	1/4 MOA	117 MOA	45 MOA	25 MOA	L-Tec	25 to Infinity	✓
	* 3-18 x 50 FFP	EBR-2C MRAD	46.5 oz	3.7"	37.8 - 6.25'	34mm	Argon Gas	XRPlus	Stealth Shadow	.1 MRAD	34 MRAD	13 MRAD	10 MRAD	L-Tec	25 to Infinity	✓
	* 4.5-27 x 56 FFP	EBR-1C MRAD	48.5 oz	3.7"	25.3 - 4.4'	34mm	Argon Gas	XRPlus	Stealth Shadow	.1 MRAD	33 MRAD	13 MRAD	10 MRAD	L-Tec	32 to Infinity	✓
	* 4.5-27 x 56 FFP	EBR-2C MOA	48.5 oz	3.7"	25.3 - 4.4'	34mm	Argon Gas	XRPlus	Stealth Shadow	1/4 MOA	114 MOA	45 MOA	25 MOA	L-Tec	32 to Infinity	✓
	* 4.5-27 x 56 FFP	EBR-2C MRAD	48.5 oz	3.7"	25.3 - 4.4'	34mm	Argon Gas	XRPlus	Stealth Shadow	.1 MRAD	33 MRAD	13 MRAD	10 MRAD	L-Tec	32 to Infinity	✓

* New Model for 2014

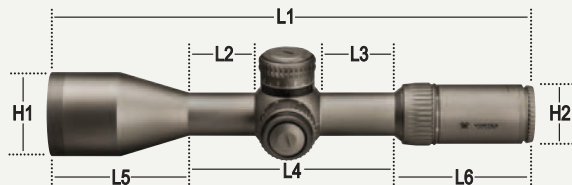
[RETICLE SUBTENSIONS]

MODEL	EBR-1C MRAD				EBR-2C MOA				EBR-2C MRAD				VMR-2 MOA				VMR-2 MRAD				JM-1 BDC MOA																													
	A	B	S	X1 X2	A	B	C1	C2	D1	D2	S	X1	X2	A	B	C1	C2	D1	D2	S	X1	X2	A	B	B1	B2	C1	C2	X	A	B	B1	B2	C1	C2	X	A	B	C	D	F	G	H	I						
1-6 x 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.75	.6	.5	.35	.45	.4	.5	.18	.15	.11	.11	.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-18 x 50 FFP	-	-	-	-	2	.14	36.5	38	.2	.3	.25	2	.5	.6	.03	9.1	11	.06	.09	.06	.5	.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
4.5-27 x 56 FFP	.6	.03	.06	.5	.1	2	.1	35.5	37	.2	.3	.25	1	.5	.6	.03	9.1	11	.06	.09	.06	.5	.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

Subtensions measured at the highest magnification for mrad and MOA reticles. Dimensions measured in inches. Dual Use: Shooting Tactical / Hunting

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
1-6 x 24	10.1"	2.8"	1.5"	5.9"	.6"	3.6"	1.29"	1.81"
3-18 x 50 FFP	14.4"	2.0"	2.2"	6.1"	4.1"	4.1"	2.32"	1.81"
4.5-27 x 56 FFP	14.4"	2.0"	2.2"	6.1"	4.1"	4.1"	2.55"	1.81"



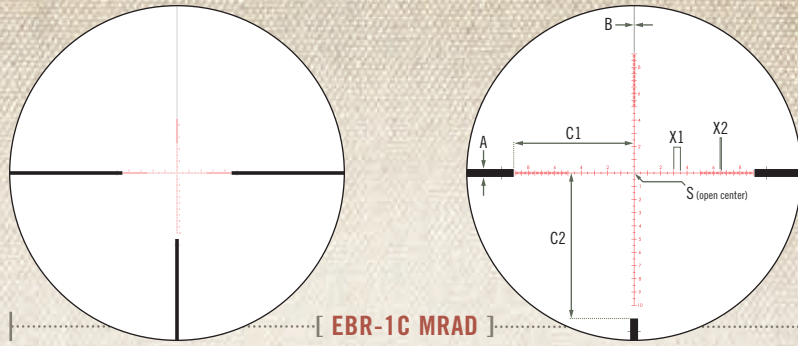
RAZOR® HD GEN II > FIRST FOCAL PLANE

RIFLESCOPE AND RETICLE SPECIFICATIONS

RAZOR HD GEN II EBR-1C MRAD RETICLE

Hashmarked ranging reticle using MRAD based subtension lines for ranging, holdover, and windage corrections.

Letters refer to reticle subtensions listed in chart on previous page.



[EBR-1C MRAD]

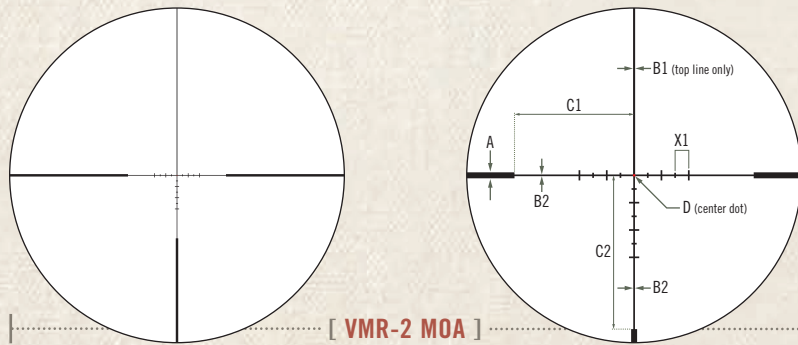
RAZOR® HD GEN II > 1-6x24 MODELS

RIFLESCOPE AND RETICLE SPECIFICATIONS

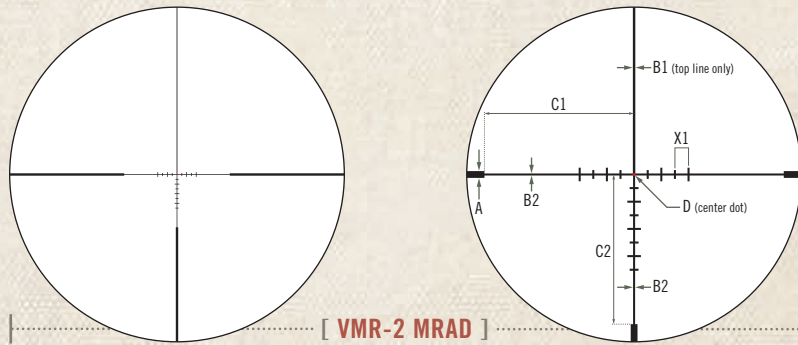
RAZOR HD GEN II VMR-2 MOA and MRAD RETICLE

Hashmarked ranging reticle using MOA or MRAD based subtension lines for ranging, holdover, and windage corrections.

Letters refer to reticle subtensions listed in chart on previous page.



[VMR-2 MOA]

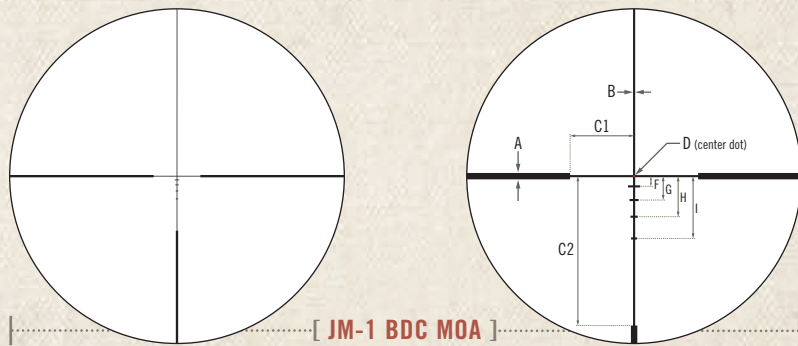


[VMR-2 MRAD]

RAZOR HD GEN II JM-1 BDC MOA RETICLE

Designed with input from world-renowned competitive shooter, instructor and gunsmith, Jerry Miculek, the Vortex-exclusive JM-1 BDC reticle facilitates rapid shooting at distances from 20 to 600 yards. Works ideally with popular .223/5.56mm and .308/7.62mm loads.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



[JM-1 BDC MOA]

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

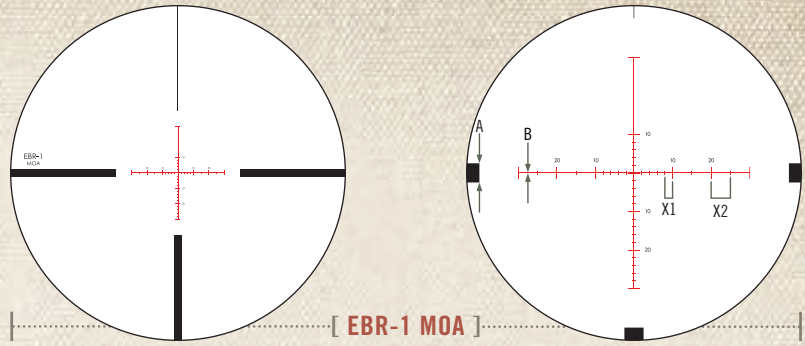
RAZOR® HD > FIRST FOCAL PLANE

RIFLESCOPE AND RETICLE SPECIFICATIONS

RAZOR HD EBR-1 MOA RETICLE

Hashmarked ranging reticle using MOA based subtension lines for ranging, holdover, and windage corrections.

Letters refer to reticle subtensions listed in chart below.

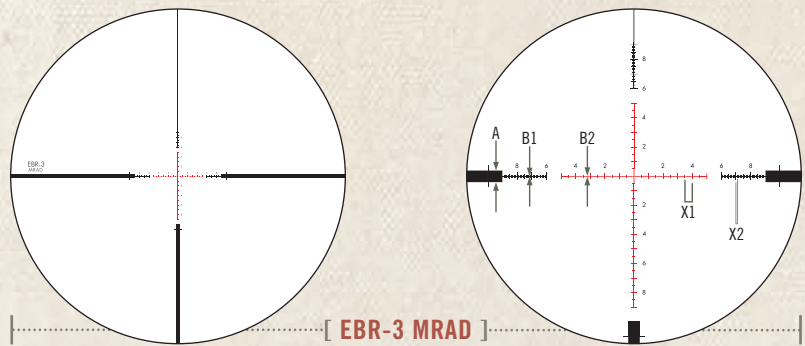


RAZOR HD EBR-3 MRAD RETICLE

Hashmarked ranging reticle using MRAD based subtension lines for ranging, holdover, and windage corrections.

Letters refer to reticle subtensions listed in chart below.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RAZOR HD RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
5-20 x 50 FFP	EBR-1 MOA	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	1/4 MOA	125 MOA	125 MOA	15 MOA	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-1 MOA	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	1/4 MOA	125 MOA	125 MOA	25 MOA	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-2B MOA	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	1/4 MOA	125 MOA	125 MOA	25 MOA	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-2B MRAD	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	.1 MRAD	36 MRAD	36 MRAD	5 MRAD	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-2B MRAD	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	.1 MRAD	36 MRAD	36 MRAD	10 MRAD	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-3 MRAD	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	.1 MRAD	36 MRAD	36 MRAD	5 MRAD	Tactical	40 to Infinity	✓
5-20 x 50 FFP	EBR-3 MRAD	35.2 oz	3.9"	22.0 - 5.76'	35mm	Argon Gas	XR FMC	Stealth Shadow	.1 MRAD	36 MRAD	36 MRAD	10 MRAD	Tactical	40 to Infinity	✓

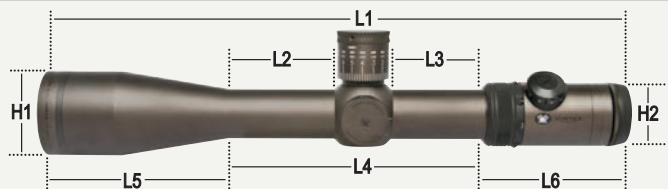
[RETICLE SUBTENSIONS]

MODEL	EBR-1 MOA				EBR-2B MOA					EBR-2B MRAD						EBR-3 MRAD						
	A	B	X1	X2	A	B	D1	D2	S	X1	A	B	D1	D2	S	X1	X2	A	B1	B2	X1	X2
5-20 x 50 FFP	5	.2	2	5	3	.15	.2	.3	.25	1	.8	.06	.06	.09	.07	.5	.2	.8	.03	.05	.5	.1

Subtensions measured at the highest magnification for mrad and MOA reticles. Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
5-20 x 50 FFP	15.8"	2.5"	2.9"	6.9"	4.0"	4.9"	2.33"	1.74"



RAZOR® HD > FIRST FOCAL PLANE

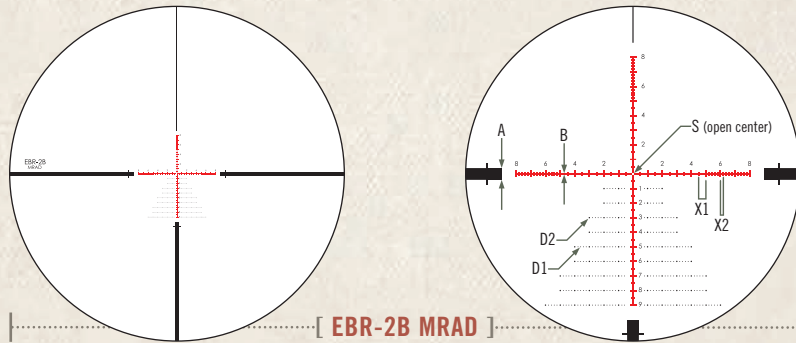
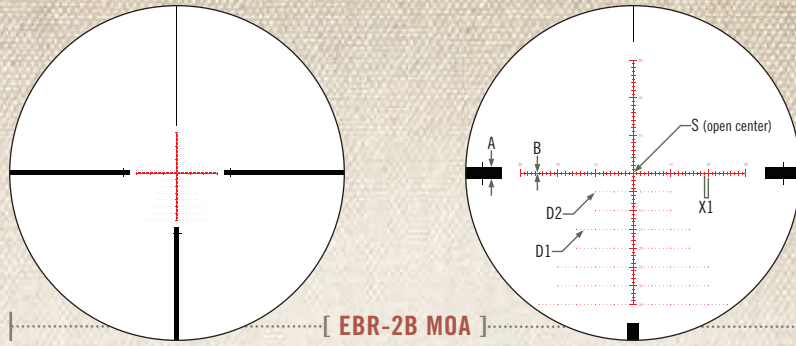
RIFLESCOPE AND RETICLE SPECIFICATIONS

RAZOR HD EBR-2B MOA and MRAD RETICLE

Hashmarked ranging reticle using MOA or MRAD based subtension lines for ranging, holdover, and windage corrections. Includes windage reference dots on drop lines.

Letters refer to reticle subtensions listed in chart on previous page.

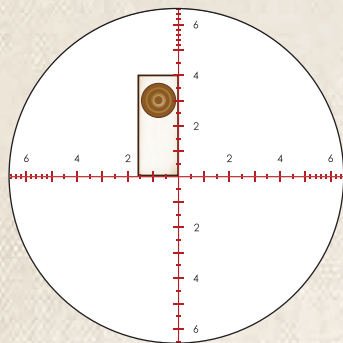
Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

HOW TO RANGE WITH MRAD AND MOA RETICLES

Using simple formulas, both MOA and mrad hashmarked reticles can be used to estimate distance. This is a useful skill, and provides a good back-up should your laser rangefinder fail or lose battery power. To range with a reticle formula, you can use either the vertical or horizontal scale. Place the reticle on a target of known width or height and read the number of mrad or MOAs spanned. You will obtain maximum accuracy in ranging by calculating as exact a measurement as possible, down to fractions of an mrad or MOA. Accurate measuring will depend on a very steady hold. The rifle should be solidly braced using a rest, bipod or sling when measuring the size of the target or nearby object. Once you have an accurate reading, use a formula to calculate the distance.



MRAD RANGING FORMULAS

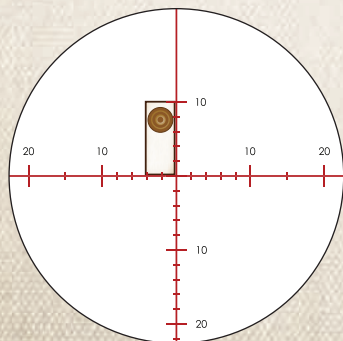
$$\frac{\text{Target's Known Width or Height in Yards} \times 1000}{\text{Target's Width or Height in mrad as Measured on Reticle}} = \text{Range in Yards}$$

$$\frac{\text{Target's Known Width or Height in Meters} \times 1000}{\text{Target's Width or Height in mrad as Measured on Reticle}} = \text{Range in Meters}$$

$$\frac{\text{Target's Known Width or Height in Inches} \times 27.8}{\text{Target's Width or Height in mrad as Measured on Reticle}} = \text{Range in Yards}$$

Mrad Example: Ranging a 6-foot target stand (2 yards) at 4 mrad to get 500 yards.

$$\frac{2 \times 1000}{4 \text{ mrad}} = 500 \text{ Yards}$$



MOA RANGING FORMULA

$$\frac{\text{Target's Known Width or Height in Inches} \times 95.5}{\text{Target's Width or Height in MOAs as Measured on Reticle}} = \text{Range in Yards}$$

Note: In the MOA ranging formula, a shooter may substitute 100 for 95.5 in the interest of speedier calculations. Be aware that this will produce a five percent over-estimation error of the yardage distance obtained.

MOA Example: Ranging a 6-foot target stand (72 inches) at 10 MOAs yields 688 yards.

$$\frac{72 \times 95.5}{10 \text{ MOA}} = 688 \text{ Yards}$$

VIPER® PST™

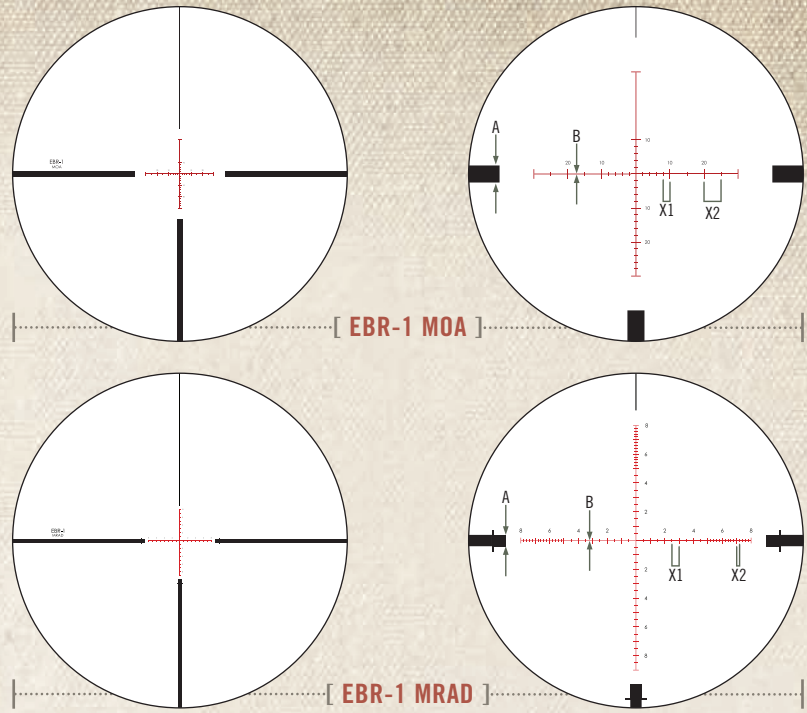
RIFLESCOPE AND RETICLE SPECIFICATIONS

VIPER PST EBR-1 MOA and MRAD RETICLE

Designed to maximize long distance shooting and ranging abilities, the hashmarked EBR-1 ranging reticle uses MOA or MRAD based subtension lines for ranging, holdover, and windage corrections.

Letters refer to reticle subtensions listed in chart below.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

VIPER PST RIFLESCOPES

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
1-4 x 24	TMCQ MOA	14.4 oz	4.0"	98.0 - 27.5'	30mm	Argon Gas	XR FMC	Black Matte	1/2 MOA	90 MOA	90 MOA	24 MOA	Low Capped	100	✓
1-4 x 24	TMCQ MOA	16.2 oz	4.0"	98.0 - 27.5'	30mm	Argon Gas	XR FMC	Black Matte	1/2 MOA	220 MOA	220 MOA	24 MOA	Tactical	100	✓
1-4 x 24	TMCQ MRAD	16.2 oz	4.0"	98.0 - 27.5'	30mm	Argon Gas	XR FMC	Black Matte	.2 MRAD	64 MRAD	64 MRAD	10 MRAD	Tactical	100	✓
2.5-10 x 44	EBR-1 MOA	18.8 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	86 MOA	86 MOA	12 MOA	Tactical	100	✓
2.5-10 x 44	EBR-1 MRAD	18.8 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	25 MRAD	25 MRAD	5 MRAD	Tactical	100	✓
4-16 x 50	EBR-1 MOA	22.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	75 MOA	75 MOA	12 MOA	Tactical	50 to Infinity	✓
4-16 x 50	EBR-1 MRAD	22.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	21 MRAD	21 MRAD	5 MRAD	Tactical	50 to Infinity	✓
6-24 x 50	EBR-1 MOA	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tactical	50 to Infinity	✓
6-24 x 50	EBR-1 MRAD	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	19 MRAD	19 MRAD	5 MRAD	Tactical	50 to Infinity	✓
2.5-10 x 32 FFP	EBR-1 MOA	18.7 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	86 MOA	86 MOA	12 MOA	Tactical	35 to Infinity	✓
2.5-10 x 32 FFP	EBR-1 MRAD	18.7 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	25 MRAD	25 MRAD	5 MRAD	Tactical	35 to Infinity	✓
4-16 x 50 FFP	EBR-1 MOA	22.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	75 MOA	75 MOA	12 MOA	Tactical	50 to Infinity	✓
4-16 x 50 FFP	EBR-1 MRAD	22.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	21 MRAD	21 MRAD	5 MRAD	Tactical	50 to Infinity	✓
6-24 x 50 FFP	EBR-1 MOA	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tactical	50 to Infinity	✓
6-24 x 50 FFP	EBR-1 MRAD	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	19 MRAD	19 MRAD	5 MRAD	Tactical	50 to Infinity	✓
* 6-24 x 50 FFP	EBR-2C MOA	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tactical	50 to Infinity	✓
* 6-24 x 50 FFP	EBR-2C MRAD	23.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	19 MRAD	19 MRAD	5 MRAD	Tactical	50 to Infinity	✓

* New Model for 2014

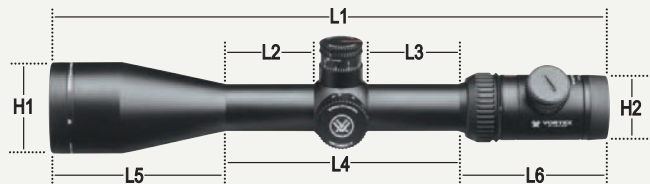
[RETICLE SUBTENSIONS]

MODEL	EBR-1 MRAD				EBR-1 MOA				EBR-2C MRAD								EBR-2C MOA								TMCQ MRAD					TMCQ MOA							
	A	B	X1	X2	A	B	X1	X2	A	B	C1	C2	D1	D2	S	X1	X2	A	B	C1	C2	D1	D2	S	X1	X2	B	D	J1	J2	X1	B	D	J1	J2	X1	
1-4 x 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.06	.3	5	6.5	.5	.2	1	18	22	2	
2.5-10 x 44	.75	.04	.5	1	2.5	.15	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-16 x 50	.5	.03	.5	1	1.5	.1	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6-24 x 50	.3	.02	.2	.5	1	.06	1	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5-10 x 32 FFP	.5	.06	.5	.2	5	.2	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-16 x 50 FFP	.8	.06	.5	.2	5	.21	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6-24 x 50 FFP	.65	.04	.5	.2	3	.18	2	5	.6	.03	9	11	.06	.09	.06	.5	.1	2	.1	36.5	38	.2	.3	.25	2	.5	-	-	-	-	-	-	-	-	-	-	-

Subtensions measured at the highest magnification for mrad and MOA reticles. Dimensions measured in inches. Dual Use: Shooting Tactical / Hunting

RIFLESCOPE DIMENSIONS

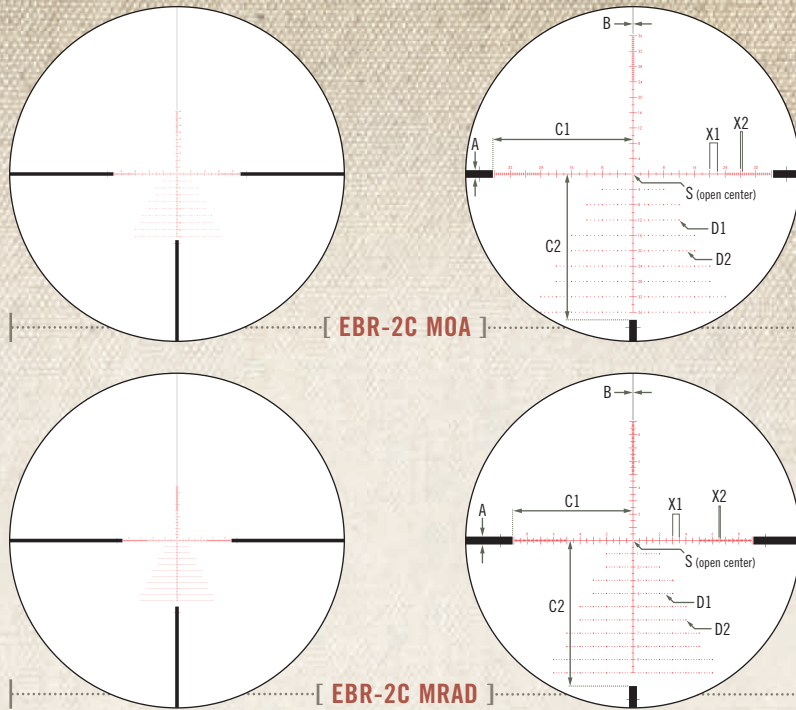
MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
1-4 x 24	9.7"	2.5"	2.2"	6.0"	n/a	3.6"	1.18"	1.63"
2.5-10 x 44	12.0"	2.1"	2.3"	5.6"	2.8"	3.6"	2.03"	1.63"
4-16 x 50	13.7"	2.1"	2.2"	5.6"	4.2"	3.6"	2.26"	1.63"
6-24 x 50	15.5"	2.5"	2.2"	6.0"	5.8"	3.6"	2.26"	1.63"
2.5-10 x 32 FFP	12.8"	2.3"	2.2"	5.9"	3.3"	3.6"	1.55"	1.63"
4-16 x 50 FFP	13.7"	2.1"	2.2"	5.6"	4.2"	3.6"	2.26"	1.63"
6-24 x 50 FFP	15.5"	2.5"	2.2"	6.0"	5.8"	3.6"	2.26"	1.63"



VIPER PST EBR-2C MOA and MRAD RETICLE

Hashmarked ranging reticle using MOA or MRAD based subtension lines for ranging, holdover, and windage corrections. Includes windage reference dots on drop lines.

Letters refer to reticle subtensions listed in chart on previous page.

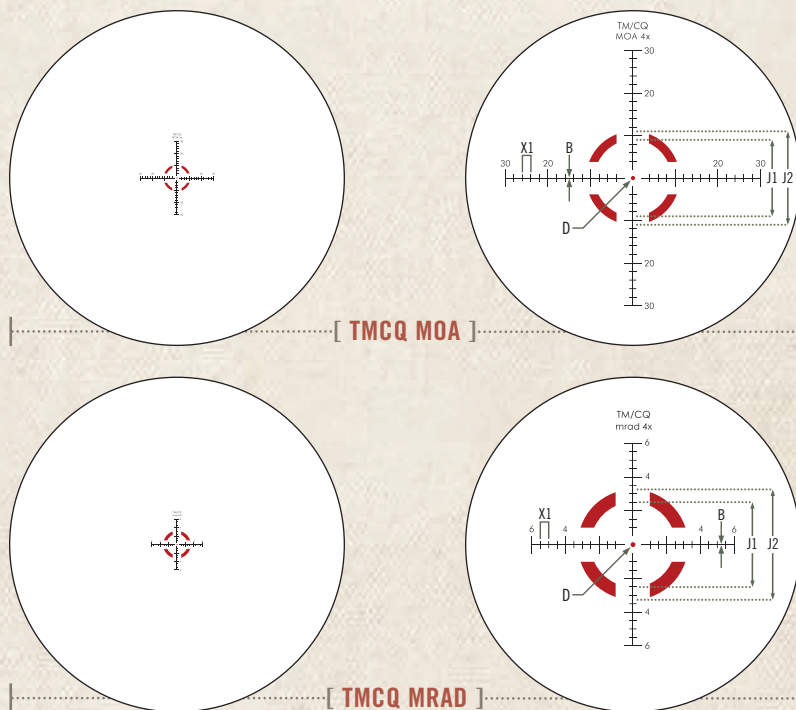


VIPER PST TMCQ MOA and MRAD RETICLE

Hybrid reticle using combination of illuminated dot and MOA or MRAD based subtension hashmarks. Designed for rapid close and mid-range shooting as well as ranging.

Letters refer to reticle subtensions listed in chart on previous page.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.



VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

FIRST FOCAL PLANE VERSUS SECOND FOCAL PLANE RIFLESCOPES

All rifle scope reticles can be termed either first focal plane (FFP) or second focal plane (SFP) depending upon their internal location within the rifle scope. FFP reticles are located in the front of the erector tube near the windage and elevation turrets; SFP reticles are located in the eyepiece assembly.

First Focal Plane Reticles (FFP)

This style of reticle will appear to grow or shrink in size as the magnification changes; reticle details appear heavier at higher magnifications and finer at lower magnifications. The main advantage of an FFP reticle is that the reticle subtensions used for ranging, holdover, and wind drift correction are consistent at all magnifications.

Second Focal Plane Reticles (SFP)

This style of reticle will not change in size as the magnification changes. The advantage of a SFP reticle is that the reticle maintains the same appearance at all magnifications. Reticle subtensions used for ranging, holdover and wind correction are only valid at a single magnification—generally the highest.

VIPER[®] HS-T[™] RIFLESCOPE AND RETICLE SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
* 4-16 x 44	VMR-1 MOA	20.8 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	75 MOA	75 MOA	12 MOA	Tactical	50 to Infinity	✓
* 4-16 x 44	VMR-1 MRAD	20.8 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	21 MRAD	21 MRAD	5 MRAD	Tactical	50 to Infinity	✓
* 6-24 x 50	VMR-1 MOA	22.6 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tactical	50 to Infinity	✓
* 6-24 x 50	VMR-1 MRAD	22.6 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	.1 MRAD	19 MRAD	19 MRAD	5 MRAD	Tactical	50 to Infinity	✓

* New Model for 2014

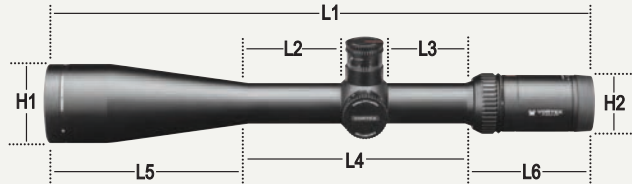
[RETICLE SUBTENSIONS]

MODEL	VMR-1 MOA						VMR-1 MRAD					
	A	B	C1	C2	X1	X2	A	B	C1	C2	X1	X2
4-16 x 44	1.7	.15	18	30	4	2	.5	.05	5	9	1	.5
6-24 x 50	1.7	.15	18	30	4	2	.5	.05	5	9	1	.5

Subtensions measured at the highest magnification for mrad and MOA reticles (18x for 6-24x50 models). Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
4-16 x 44	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.03"	1.63"
6-24 x 50	15.5"	2.5"	2.2"	6.0"	5.8"	3.6"	2.26"	1.63"



VIPER[®] HS[™] RIFLESCOPE AND RETICLE SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
2.5-10 x 44	V-Plex MOA	16.5 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	86 MOA	86 MOA	12 MOA	Capped	100	✓
2.5-10 x 44	Dead-Hold BDC MOA	16.5 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	86 MOA	86 MOA	12 MOA	Capped	100	✓
4-16 x 44	V-Plex MOA	18.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	12 MOA	Capped	50 to Infinity	✓
4-16 x 44	Dead-Hold BDC MOA	18.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	12 MOA	Capped	50 to Infinity	✓
4-16 x 50	V-Plex MOA	20.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	12 MOA	Capped	50 to Infinity	✓
4-16 x 50	Dead-Hold BDC MOA	20.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	12 MOA	Capped	50 to Infinity	✓
6-24 x 50	V-Plex MOA	21.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	42 MOA	42 MOA	12 MOA	Capped	50 to Infinity	✓
6-24 x 50	Dead-Hold BDC MOA	21.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	42 MOA	42 MOA	12 MOA	Capped	50 to Infinity	✓
4-16 x 44	Dead-Hold BDC MOA	19.8 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA Windage / 1/2 MOA Elevation	75 MOA	50 MOA	12 MOA Windage 24 MOA Elevation	Tactical (Elevation Only)	50 to Infinity	✓
4-16 x 50	Dead-Hold BDC MOA	21.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA Windage / 1/2 MOA Elevation	75 MOA	50 MOA	12 MOA Windage 24 MOA Elevation	Tactical (Elevation Only)	50 to Infinity	✓
* 2.5-10 x 32 FFP	XLR MOA	16.8 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	86 MOA	86 MOA	12 MOA	Capped	35 to Infinity	✓
4-16 x 50 FFP	XLR MOA	21.4 oz	4.0"	27.4 - 7.4'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA Windage / 1/2 MOA Elevation	75 MOA	50 MOA	12 MOA Windage 24 MOA Elevation	Tactical (Elevation Only)	50 to Infinity	✓
6-24 x 50 FFP	XLR MOA	22.4 oz	4.0"	17.8 - 5.1'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA Windage / 1/2 MOA Elevation	65 MOA	42 MOA	12 MOA Windage 24 MOA Elevation	Tactical (Elevation Only)	50 to Infinity	✓

* New Model for 2014

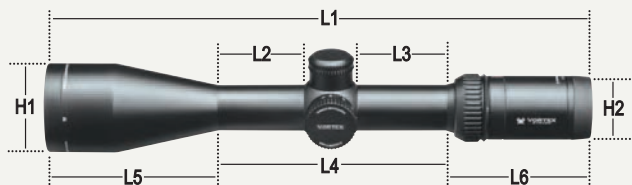
[RETICLE SUBTENSIONS]

MODEL	V-PLEX MOA			DEAD-HOLD BDC MOA							XLR MOA										
	A	B	C	A	B	C	E	F	G	H	I	A	B	C	D1	D2	D3	S	X1	X2	X3
2.5-10 x 44	.75	.24	1.88	.75	.25	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
4-16 x 44	.5	.16	1.25	.469	.156	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
4-16 x 50	.5	.16	1.25	.469	.156	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
6-24 x 50	.33	.11	.83	.417	.139	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
4-16 x 44 LR	-	-	-	.469	.156	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
4-16 x 50 LR	-	-	-	.469	.156	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-	-	-	-	-	-
2.5-10 x 32 LR FFP	-	-	-	-	-	-	-	-	-	-	-	2	.21	.36	.24	.33	.2	.6	1	2	2
4-16 x 50 LR FFP	-	-	-	-	-	-	-	-	-	-	-	3.13	.15	.40	.26	.39	.15	.45	1	.5	2
6-24 x 50 LR FFP	-	-	-	-	-	-	-	-	-	-	-	2.08	.1	.36	.17	.26	.1	.3	1	.5	2

Subtensions measured at the highest magnification for MOA reticles (18x for 6-24x50 models). Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**

RIFLESCOPE DIMENSIONS

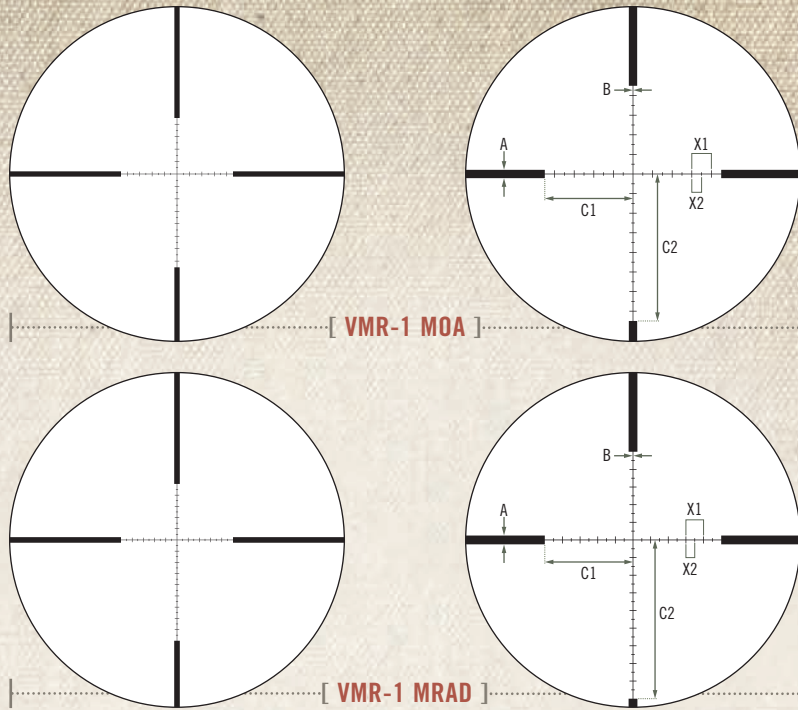
MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
2.5-10 x 44	12.0"	2.0"	2.2"	5.6"	2.8"	3.6"	2.03"	1.63"
4-16 x 44	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.03"	1.63"
4-16 x 50	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.26"	1.63"
6-24 x 50	15.5"	2.5"	2.2"	6.0"	5.8"	3.6"	2.26"	1.63"
4-16 x 44 LR	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.03"	1.63"
4-16 x 50 LR	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.26"	1.63"
2.5-10 x 32 FFP LR	12.8"	2.3"	2.2"	5.9"	3.3"	3.6"	1.55"	1.63"
4-16 x 50 FFP LR	13.7"	2.0"	2.2"	5.6"	4.2"	3.6"	2.26"	1.63"
6-24 x 50 FFP LR	15.5"	2.5"	2.2"	6.0"	5.8"	3.6"	2.26"	1.63"



VIPER HS-T VMR-1 MOA and MRAD RETICLE

Hashmarked ranging reticle using MOA or MRAD based subtension lines for ranging, holdover, and windage corrections.

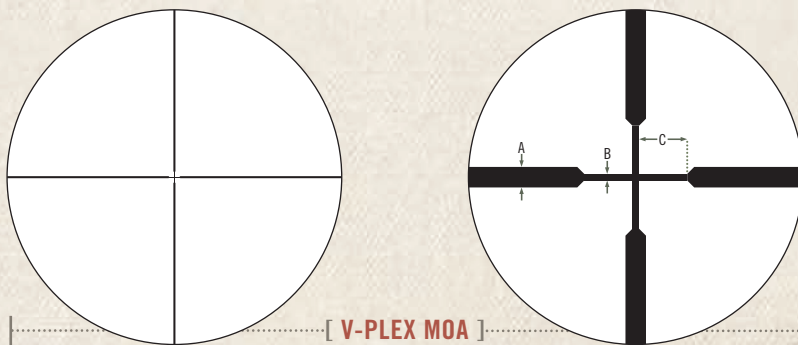
Letters refer to reticle subtensions listed in chart on previous page.



VIPER HS V-PLEX MOA RETICLE

A popular all-purpose hunting reticle intended for a wide variety of hunting applications.

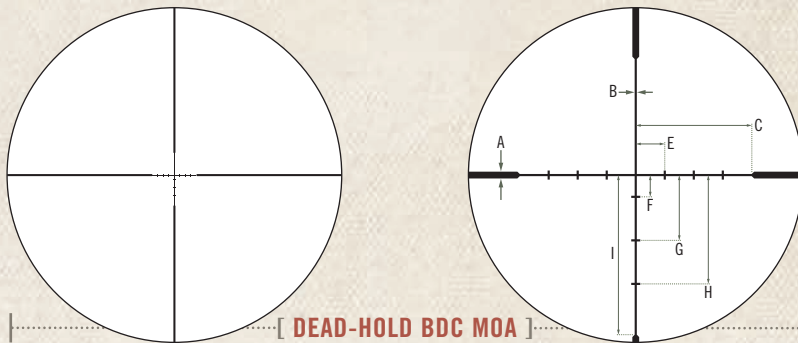
Letters refer to reticle subtensions listed in chart on previous page.



VIPER HS DEAD-HOLD® BDC MOA RETICLE

Customized hashmark design helps eliminate guesswork on holdover and windage corrections. Good for hunting/shooting at varying ranges where estimating holdover is a concern.

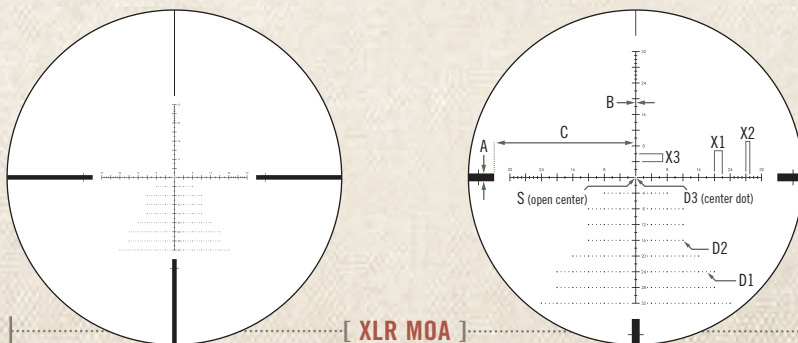
Letters refer to reticle subtensions listed in chart on previous page.



VIPER HS XLR MOA RETICLE

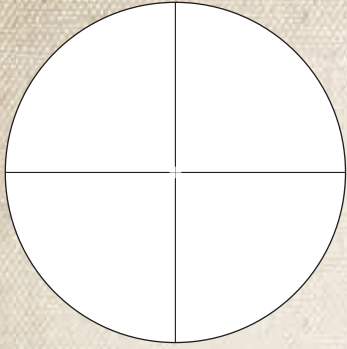
Hashmarked MOA based long range reticle with wind drift dots and 1 MOA wind reference subtensions. Good for long range shooters dialing for bullet drop or holding over while using the reticle.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

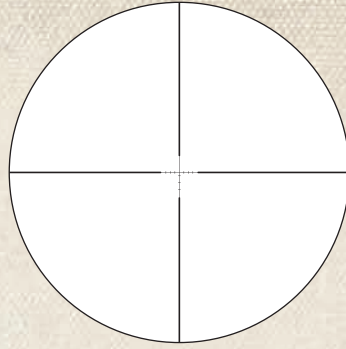


RETICLE OPTIONS

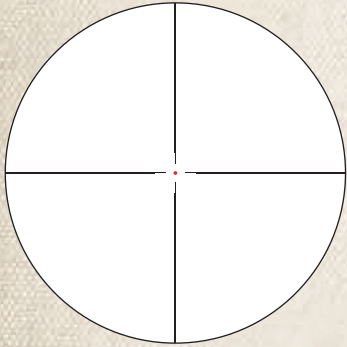
FOR THE VORTEX VIPER, DIAMONDBACK, OR CROSSFIRE II RIFLESCOPES.



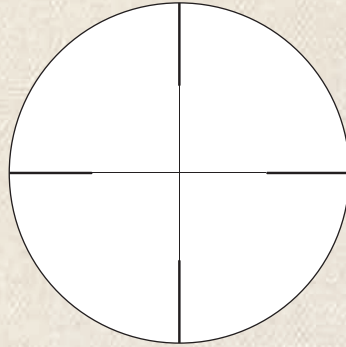
V-PLEX MOA
A popular all-purpose hunting reticle intended for a wide variety of hunting applications.



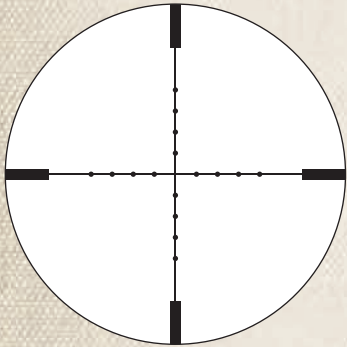
DEAD-HOLD® BDC MOA HASHMARK-BASED
Customized hashmark design helps eliminate guesswork on holdover and windage corrections. Good for hunting/shooting at varying ranges where estimating holdover is a concern.



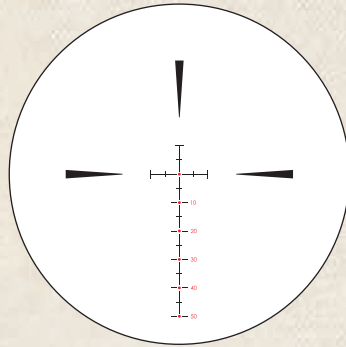
V-BRITE® MOA
Uses the Plex format along with battery-powered electronics to illuminate the center dot for better low-light performance. Good for hunters / shooters during extra-low light conditions.



V-PLEX WIDE MOA
General purpose with a wider center section of fine wire for less target obstruction. Good for general hunting, target and varmint applications.



MIL DOT
Originating from the US Marine Corps., this reticle is useful for helping to estimate range, windage and bullet holdover. Good for long distance shooters/ hunters needing ranging ability.



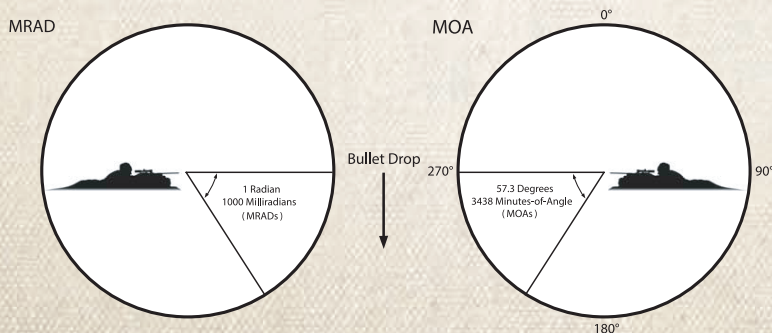
XBR-1 MOA
MOA based holdover reticle optimized for crossbow use.

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

MOA VERSUS MRAD

Both minute-of-angle (MOA) and milliradian (mrad) unit of arc scales are effective when using subtension measurements for ranging and bullet trajectory drop compensation in riflescope reticles.



MRAD

MRAD unit of arc measurements are based on the radian. A radian is the angle subtended at the center of a circle by an arc that is equal in length to the radius of the circle. There are 6.283 radians in a circle and 1000 milliradians in a radian for a total of 6283 milliradians (mrads) in a circle. An mrad will subtend 3.6 inches at a distance of 100 yards. Most riflescopes using mrad adjustments will use 1/10 mrad clicks which subtend .36 inches at 100 yards.

MOA

MOA unit of arc measurements are based on degrees and minutes. There are 360 degrees in a circle and 60 minutes in a degree for a total of 21,600 minutes in a circle. A minute of angle will subtend 1.05 inches at a distance of 100 yards. Most riflescopes using MOA adjustments will use 1/4-minute clicks which subtend .26 inches at 100 yards.

VIPER® XBR™ CROSSBOW SCOPE AND RETICLE SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
* 2.5-10 x 44	XBR-1 MOA	18.8 oz	4.0"	47.0 - 10.9'	30mm	Argon Gas	XR FMC	Black Matte	1 MOA	86 MOA	86 MOA	48 MOA	Tactical (Elevation Only)	75	✓

* New Model for 2014

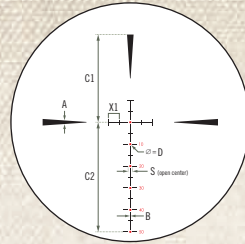
[RETICLE SUBTENSIONS]

MODEL	XBR-1 MOA*						
	A	B	C1	C2	D	S	X1
2.5-10 x 44	3.0-26	.26	40	50	1	2	5

Subtensions measured at the highest magnification for MOA reticles.

* Final specifications to be determined.

Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**



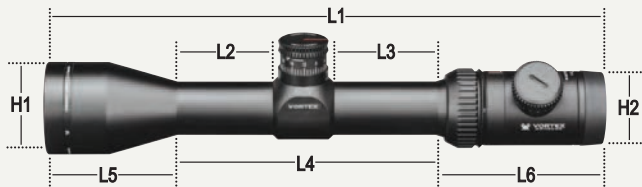
XBR-1 MOA

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
2.5-10 x 44	12.0"	2.1"	2.3"	5.6"	2.8"	3.6"	2.03"	1.63"



VIPER® RIFLESCOPE AND RETICLE SPECIFICATIONS

30mm Tubes

1-inch Tubes

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
6.5-20 x 44 PA	Dead-Hold BDC MOA	21.0 oz	3.1"	17.4 - 6.2'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tall Capped	50 to Infinity	✓
6.5-20 x 44 PA	Mil Dot	21.0 oz	3.1"	17.4 - 6.2'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tall Capped	50 to Infinity	✓
6.5-20 x 50 PA	V-Plex Wide MOA	21.6 oz	3.1"	17.4 - 6.2'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tall Capped	50 to Infinity	✓
6.5-20 x 50 PA	Mil Dot	21.6 oz	3.1"	17.4 - 6.2'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tall Capped	50 to Infinity	✓
6.5-20 x 50 PA	Dead-Hold BDC MOA	21.6 oz	3.1"	17.4 - 6.2'	30mm	Argon Gas	XR FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	12 MOA	Tall Capped	50 to Infinity	✓
3-9 x 40	Dead-Hold BDC MOA	14.2 oz	3.5"	35.5 - 12.2'	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	92 MOA	92 MOA	12 MOA	Capped	100	✓
3.5-10 x 50	Dead-Hold BDC MOA	17.8 oz	3.2"	27.8 - 9.4'	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	82 MOA	82 MOA	12 MOA	Capped	100	✓
4-12 x 40 PA	Dead-Hold BDC MOA	16.6 oz	3.1"	27.1 - 9.2'	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	57 MOA	57 MOA	12 MOA	Capped	50 to Infinity	✓

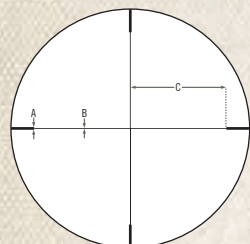
PA (side parallax model)

[RETICLE SUBTENSIONS]

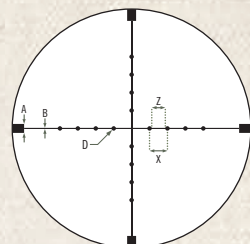
MODEL	V-PLEX WIDE MOA			DEAD-HOLD BDC MOA								MIL DOT*				
	A	B	C	A	B	C	E	F	G	H	I	A	B	D	X	Z
3-9 x 40	-	-	-	.83	.27	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-
3.5-10 x 50	-	-	-	.75	.24	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-
4-12 x 40 PA	-	-	-	.625	.2	8.0	2.0	1.5	4.5	7.5	11.0	-	-	-	-	-
6.5-20 x 44 PA	-	-	-	.375	.12	8.0	2.0	1.5	4.5	7.5	11.0	.5	.05	.2	1.0	.8
6.5-20 x 50 PA	.4	.1	14.1	.375	.12	8.0	2.0	1.5	4.5	7.5	11.0	.5	.05	.2	1.0	.8

* Subtensions measured at the highest magnification for MOA reticles, except for Mil Dot reticle which is measured in mils at 14x.

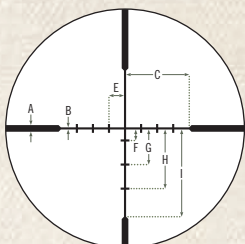
Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**



V-Plex Wide MOA



Mil Dot



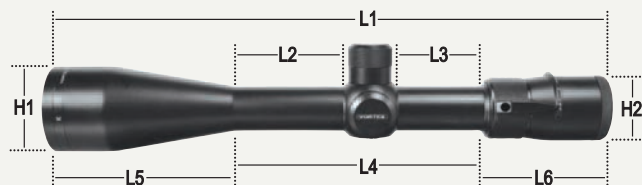
Dead-Hold BDC MOA

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
3-9 x 40	12.4"	1.9"	2.1"	5.4"	3.6"	3.4"	1.87"	1.57"
3.5-10 x 50	13.2"	1.8"	2.2"	5.5"	4.4"	3.4"	2.3"	1.57"
4-12 x 40 PA	14.4"	2.4"	2.7"	6.5"	4.3"	3.4"	1.87"	1.57"
6.5-20 x 44 PA	14.4"	2.8"	2.2"	6.4"	4.7"	3.2"	2.03"	1.72"
6.5-20 x 50 PA	14.4"	2.8"	2.2"	6.4"	4.7"	3.2"	2.27"	1.72"



DIAMONDBACK® HP RIFLESCOPE AND RETICLE SPECIFICATIONS

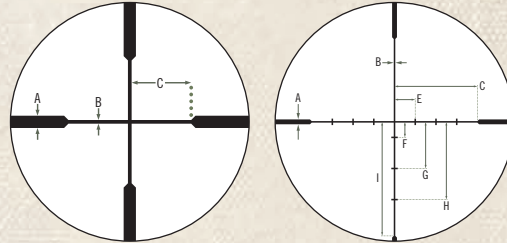
MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
*2-8 x 32	V-Plex MOA	15.9 oz	4.6"	41.9-12.2"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	80 MOA	80 MOA	15 MOA	Capped	30 to Infinity	✓
*2-8 x 32	Dead-Hold BDC MOA	15.9 oz	4.6"	41.9-12.2"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	80 MOA	80 MOA	15 MOA	Capped	30 to Infinity	✓
*3-12 x 42	V-Plex MOA	18.0 oz	4.0"	28.8-8.2"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	90 MOA	90 MOA	15 MOA	Capped	30 to Infinity	✓
*3-12 x 42	Dead-Hold BDC MOA	18.0 oz	4.0"	28.8-8.2"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	90 MOA	90 MOA	15 MOA	Capped	30 to Infinity	✓
*4-16 x 42	V-Plex MOA	18.0 oz	4.0"	23.8-6.1"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	110 MOA	110 MOA	15 MOA	Capped	100	✓
*4-16 x 42	Dead-Hold BDC MOA	18.0 oz	4.0"	23.8-6.1"	1"	Argon Gas	XR FMC	Black Matte	1/4 MOA	110 MOA	110 MOA	15 MOA	Capped	100	✓

* New Model for 2014

[RETICLE SUBTENSIONS]

MODEL	V-PLEX MOA			DEAD-HOLD BDC MOA							
	A	B	C	A	B	C	E	F	G	H	I
2-8 x 32	1	.32	2.5	.9	.3	8.0	2.0	1.5	4.5	7.5	11.0
3-12 x 42	.67	.21	1.67	.6	.2	8.0	2.0	1.5	4.5	7.5	11.0
4-16 x 42	.5	.16	1.25	.47	.15	8.0	2.0	1.5	4.5	7.5	11.0

Subtensions measured at the highest magnification for MOA reticles.
Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**



V-Plex MOA

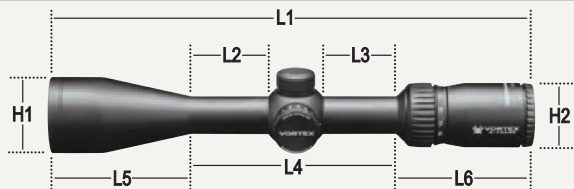
Dead-Hold BDC MOA

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
2-8 x 32	11.6"	2.1"	1.9"	5.4"	2.6"	3.6"	1.54"	1.69"
3-12 x 42	12.5"	1.9"	1.9"	5.2"	3.7"	3.6"	2.0"	1.69"
4-16 x 42	12.5"	1.9"	1.9"	5.2"	3.7"	3.6"	2.0"	1.69"



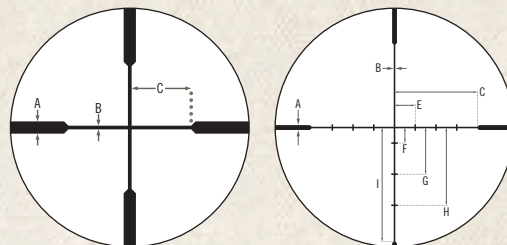
DIAMONDBACK® RIFLESCOPE AND RETICLE SPECIFICATIONS

MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
1.75-5 x 32	V-Plex MOA	12.8 oz	3.5"	68.3-23.1"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	125 MOA	125 MOA	15 MOA	Capped	100	✓
1.75-5 x 32	Dead-Hold BDC MOA	12.8 oz	3.5"	68.3-23.1"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	125 MOA	125 MOA	15 MOA	Capped	100	✓
2-7 x 35	V-Plex MOA	14.2 oz	3.1"	64.3-19.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	100 MOA	100 MOA	15 MOA	Capped	100	✓
2-7 x 35	Dead-Hold BDC MOA	14.2 oz	3.1"	64.3-19.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	100 MOA	100 MOA	15 MOA	Capped	100	✓
2-7 x 35 Rimfire	V-Plex MOA	14.2 oz	3.1"	64.3-19.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	100 MOA	100 MOA	15 MOA	Capped	50	✓
3-9 x 40	V-Plex MOA	14.4 oz	3.3"	44.6-14.8"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	70 MOA	70 MOA	15 MOA	Capped	100	✓
3-9 x 40	Dead-Hold BDC MOA	14.4 oz	3.3"	44.6-14.8"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	70 MOA	70 MOA	15 MOA	Capped	100	✓
3.5-10 x 50	V-Plex MOA	16.2 oz	3.3"	35.8-13.5"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	15 MOA	Capped	100	✓
3.5-10 x 50	Dead-Hold BDC MOA	16.2 oz	3.3"	35.8-13.5"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	65 MOA	65 MOA	15 MOA	Capped	100	✓
4-12 x 40	V-Plex MOA	14.6 oz	3.1"	32.4-11.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
4-12 x 40	Dead-Hold BDC MOA	14.6 oz	3.1"	32.4-11.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
4-12 x 40 AO	V-Plex MOA	17.2 oz	3.1"	32.4-11.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	10 to Infinity	✓
4-12 x 40 AO	Dead-Hold BDC MOA	17.2 oz	3.1"	32.4-11.3"	1"	Argon Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	10 to Infinity	✓

[RETICLE SUBTENSIONS]

MODEL	V-PLEX MOA			DEAD-HOLD BDC MOA							
	A	B	C	A	B	C	E	F	G	H	I
1.75-5 x 32	1.8	.3	6.5	1.44	.36	8.0	2.0	1.5	4.5	7.5	11.0
2-7 x 35	1.2	.3	6.1	1.03	.26	8.0	2.0	1.5	4.5	7.5	11.0
2-7 x 35 Rimfire	1.2	.3	6.1	-	-	-	-	-	-	-	-
3-9 x 40	1	.2	4.8	.8	.2	8.0	2.0	1.5	4.5	7.5	11.0
3.5-10 x 50	.9	.2	4.3	.72	.18	8.0	2.0	1.5	4.5	7.5	11.0
4-12 x 40	.7	.2	3.6	.6	.15	8.0	2.0	1.5	4.5	7.5	11.0
4-12 x 40 AO	.7	.2	3.6	.6	.15	8.0	2.0	1.5	4.5	7.5	11.0

Subtensions measured at the highest magnification for MOA reticles.
Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**



V-Plex MOA

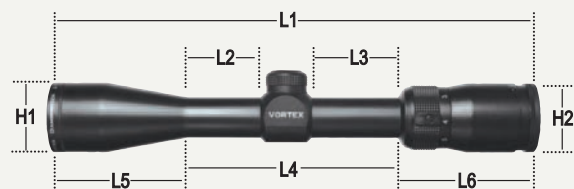
Dead-Hold BDC MOA

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
1.75-5 x 32	10.2"	1.9"	1.9"	5.1"	1.9"	3.1"	1.55"	1.69"
2-7 x 35	11.6"	1.7"	2.1"	5.1"	3.2"	3.1"	1.72"	1.69"
2-7 x 35 Rimfire	11.6"	1.7"	2.1"	5.1"	3.2"	3.1"	1.72"	1.69"
3-9 x 40	11.7"	2.0"	2.1"	5.4"	3.0"	3.1"	1.89"	1.69"
3.5-10 x 50	12.5"	2.0"	2.1"	5.4"	3.9"	3.1"	2.29"	1.69"
4-12 x 40	12.0"	2.4"	2.0"	5.6"	3.0"	3.1"	1.89"	1.69"
4-12 x 40 AO	12.8"	2.2"	2.0"	5.5"	4.2"	3.1"	2.06"	1.69"



CROSSFIRE® II RIFLESCOPE AND RETICLE SPECIFICATIONS

1-inch Tubes

30mm Tubes

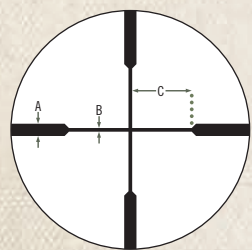
MAGNIFICATION x OBJECTIVE LENS	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATINGS	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	TRAVEL PER ROTATION	TURRET STYLE	PARALLAX (YARDS)	VIP WARRANTY
* 1 x 24	V-Plex MOA	8.0 oz	3.8"	95.0'	1"	Nitrogen Gas	FMC	Black Matte	1/2 MOA	100 MOA	100 MOA	28 MOA	Capped	100	✓
2-7 x 32	V-Plex MOA	14.3 oz	3.9"	42.0-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
2-7 x 32	Dead-Hold BDC MOA	14.3 oz	3.9"	42.0-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
2-7 x 32 Rimfire	V-Plex MOA	14.3 oz	3.9"	42.0-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	50	✓
3-9 x 40	V-Plex MOA	15.0 oz	3.8"	34.1-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
3-9 x 40	V-Brite MOA	16.2 oz	3.8"	34.1-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
3-9 x 40	Dead-Hold BDC MOA	15.0 oz	3.8"	34.1-12.6'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
3-9 x 50	V-Plex MOA	18.4 oz	3.8"	32.0-12.9'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
3-9 x 50	V-Brite MOA	18.6 oz	3.8"	32.0-12.9'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
3-9 x 50	Dead-Hold BDC MOA	18.4 oz	3.8"	32.0-12.9'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	100	✓
4-12 x 44	V-Plex MOA	17.2 oz	3.9"	24.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	100	✓
4-12 x 44	Dead-Hold BDC MOA	17.2 oz	3.9"	24.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	100	✓
4-12 x 40 AO	V-Plex MOA	19.2 oz	3.9"	24.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
4-12 x 40 AO	Dead-Hold BDC MOA	19.2 oz	3.9"	24.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
4-12 x 50 AO	V-Plex MOA	20.6 oz	3.9"	25.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
4-12 x 50 AO	Dead-Hold BDC MOA	20.6 oz	3.9"	25.7-8.4'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
6-18 x 44 AO	V-Plex MOA	19.6 oz	3.7"	15.2-5.3'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
6-18 x 44 AO	V-Brite MOA	20.6 oz	3.7"	15.2-5.3'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
6-18 x 44 AO	Dead-Hold BDC MOA	19.6 oz	3.7"	15.2-5.3'	1"	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	10 to Infinity	✓
* 1-4 x 24	V-Plex MOA	14.8 oz	4.0"	96.1-24.1'	30mm	Nitrogen Gas	FMC	Black Matte	1/2 MOA	100 MOA	100 MOA	30 MOA	Capped	100	✓
* 1-4 x 24	V-Brite MOA	16.0 oz	4.0"	96.1-24.1'	30mm	Nitrogen Gas	FMC	Black Matte	1/2 MOA	100 MOA	100 MOA	30 MOA	Capped	100	✓
* 3-12 x 56 AO	V-Plex MOA	21.1 oz	3.5"	36.7-9.2'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	10 to Infinity	✓
* 3-12 x 56 AO	V-Brite MOA	21.1 oz	3.5"	36.7-9.2'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	60 MOA	60 MOA	15 MOA	Capped	10 to Infinity	✓
* 4-16 x 50 AO	V-Plex MOA	23.6 oz	3.7"	25.3-7.0'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	25 to Infinity	✓
* 4-16 x 50 AO	Dead-Hold BDC MOA	23.6 oz	3.7"	25.3-7.0'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	50 MOA	50 MOA	15 MOA	Capped	25 to Infinity	✓
* 6-24 x 50 AO	V-Plex MOA	23.6 oz	4.0"	17.3-4.4'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	40 MOA	40 MOA	15 MOA	Capped	10 to Infinity	✓
* 6-24 x 50 AO	Dead-Hold BDC MOA	23.6 oz	4.0"	17.3-4.4'	30mm	Nitrogen Gas	FMC	Black Matte	1/4 MOA	40 MOA	40 MOA	15 MOA	Capped	10 to Infinity	✓

* New Model for 2014

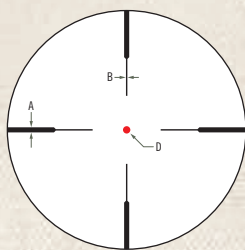
[RETICLE SUBTENSIONS]

MODEL	V-PLEX MOA			V-BRITE MOA			DEAD-HOLD BDC MOA								
	A	B	C	A	B	D	A	B	C	E	F	G	H	I	
* 1 x 24	8	2.5	28.5	-	-	-	-	-	-	-	-	-	-	-	
* 1-4 x 24	1.85	.46	6.68	2.3	.59	1.5	-	-	-	-	-	-	-	-	
2-7 x 32	.57	.17	2.85	-	-	-	.9	.4	8	2	1.5	4.5	7.5	11	
2-7 x 32 Rimfire	.57	.17	2.85	-	-	-	-	-	-	-	-	-	-	-	
3-9 x 40	.8	.3	2.85	.9	.25	.65	.8	.3	8	2	1.5	4.5	7.5	11	
3-9 x 50	.8	.3	2.85	.9	.25	.65	.8	.3	8	2	1.5	4.5	7.5	11	
* 3-12 x 56 AO	.8	.3	2.85	2.3	.59	1.5	-	-	-	-	-	-	-	-	
4-12 x 44	.8	.3	2.85	-	-	-	.8	.3	8	2	1.5	4.5	7.5	11	
4-12 x 40 AO	.8	.3	2.85	-	-	-	.8	.3	8	2	1.5	4.5	7.5	11	
4-12 x 50 AO	.8	.3	2.85	-	-	-	.8	.3	8	2	1.5	4.5	7.5	11	
* 4-16 x 50 AO	.56	.23	3.38	-	-	-	.45	.1	8	2	1.5	4.5	7.5	11	
6-18 x 44 AO	.5	.2	3.00	.45	.12	.4	.4	.1	8	2	1.5	4.5	7.5	11	
* 6-24 x 50 AO	.38	.15	3.38	.45	.12	.4	.4	.1	8	2	1.5	4.5	7.5	11	

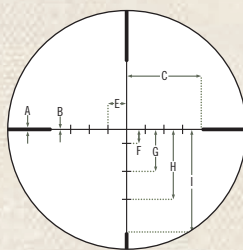
Subtensions measured at the highest magnification for MOA reticles (18x for 6-24x50 models). Dimensions measured in inches. **Dual Use: Shooting Tactical / Hunting**



V-Plex Wide MOA



V-Brite MOA



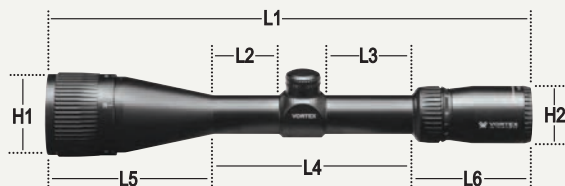
Dead-Hold BDC MOA

Note: Reticle images shown for representation only. Reticle image varies between scope models depending on magnification and reticle plane.

VISIT WWW.VORTEXOPTICS.COM for specific combinations of reticles and riflescopes.

RIFLESCOPE DIMENSIONS

MODEL	LENGTHS						HEIGHTS	
	L1	L2	L3	L4	L5	L6	H1	H2
1 x 24	8.9"	1.8"	1.7"	4.7"	1.7"	2.5"	1.18"	1.62"
1-4 x 24	9.8"	2.8"	2.0"	6.1"	—	3.6"	1.18"	1.73"
2-7 x 32	11.3"	2.1"	1.6"	5.0"	2.7"	3.6"	1.53"	1.71"
2-7 x 32 Rimfire	11.3"	2.1"	1.6"	5.0"	2.7"	3.6"	1.53"	1.71"
3-9 x 40	12.0"	2.1"	1.8"	5.0"	3.4"	3.6"	1.84"	1.71"
3-9 x 50	12.7"	2.1"	1.8"	5.1"	4.0"	3.6"	2.24"	1.71"
3-12 x 56 AO	14.3"	1.9"	2.6"	5.9"	4.8"	3.6"	2.71"	1.73"
4-12 x 44	13.1"	2.3"	1.9"	5.5"	4.0"	3.6"	2.01"	1.71"
4-12 x 40 AO	13.6"	2.2"	1.9"	5.3"	4.7"	3.6"	2.05"	1.71"
4-12 x 50 AO	14.2"	2.2"	2.2"	5.6"	5.0"	3.6"	2.44"	1.71"
4-16 x 50 AO	14.2"	1.9"	2.3"	5.6"	5.1"	3.6"	2.52"	1.73"
6-18 x 44 AO	13.5"	1.9"	2.2"	5.4"	4.5"	3.6"	2.30"	1.61"
6-24 x 50 AO	14.5"	1.9"	2.6"	5.9"	5.0"	3.6"	2.52"	1.73"



SPITFIRE™ PRISM SCOPE SPECIFICATIONS



SPITFIRE PRISM SCOPES

MAGNIFICATION	RETICLE STYLE	WEIGHT	EYE RELIEF	FIELD OF VIEW (100 YARDS)	LENS DIAMETER	WATERPROOF	LENS COATING	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	PARALLAX SETTING	VIP WARRANTY
* 1x	DRT MOA	8.7 oz	3.7"	75.0'	20mm	Yes	XR FMC	Black Matte	1 MOA per click	120 MOA	120 MOA	Parallax Free	✓
* 3x	EBR-556B MOA	12.2 oz	2.8"	31.5'	32mm	Yes	XR FMC	Black Matte	1/2 MOA per click	120 MOA	120 MOA	100 yards	✓

* New Model for 2014 **Dual Use: Shooting Tactical / Hunting**

RED DOT SPECIFICATIONS



RAZOR RED DOT

MAGNIFICATION	DOT COLOR	WEIGHT	EYE RELIEF	DOT SIZE	WATERPROOF	LENS COATING	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	PARALLAX SETTING	VIP WARRANTY
1x	Bright Red	1.4 oz	Unlimited	3 MOA	Yes	XR FMC	Black Matte	1 MOA	170 MOA	114 MOA	Parallax Free	✓
1x	Bright Red	1.4 oz	Unlimited	6 MOA	Yes	XR FMC	Black Matte	1 MOA	170 MOA	114 MOA	Parallax Free	✓

* New Model for 2014 **Dual Use: Shooting Tactical / Hunting**



SPARC II RED DOT

MAGNIFICATION	DOT COLOR	WEIGHT	EYE RELIEF	DOT SIZE	WATERPROOF FOGPROOF	LENS COATING	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	PARALLAX SETTING	VIP WARRANTY
* 1x	Bright Red	5.9 oz	Unlimited	2 MOA	Nitrogen Gas	FMC	Black Matte	1 MOA per click; 45 MOA per rotation	90 MOA	90 MOA	Parallax Free	✓

* New Model for 2014 **Dual Use: Shooting Tactical / Hunting**



STRIKEFIRE II RED DOT

MAGNIFICATION	DOT COLOR	WEIGHT	EYE RELIEF	DOT SIZE	TUBE SIZE	WATERPROOF FOGPROOF	LENS COATING	FINISH	ADJUSTMENT GRADUATION	ELEVATION ADJUSTMENT	WINDAGE ADJUSTMENT	PARALLAX SETTING	VIP WARRANTY
* 1x - 40mm (Lower 1/3 Co-Witness)	Red / Green	7.2 oz	Unlimited	4 MOA	30mm	Nitrogen Gas	FMC	Black Matte	1/2 MOA per click; 25 MOA per rotation	100 MOA	100 MOA	Parallax Free	✓
* 1x - 40mm (Lower 1/3 Co-Witness)	Bright Red	7.2 oz	Unlimited	4 MOA	30mm	Nitrogen Gas	FMC	Black Matte	1/2 MOA per click; 25 MOA per rotation	100 MOA	100 MOA	Parallax Free	✓
* 1x - 21mm (Low Ring Mount)	Red / Green	7.2 oz	Unlimited	4 MOA	30mm	Nitrogen Gas	FMC	Black Matte	1/2 MOA per click; 25 MOA per rotation	100 MOA	100 MOA	Parallax Free	✓

* New Model for 2014 **Dual Use: Shooting Tactical / Hunting**

RANGEFINDER SPECIFICATIONS



RANGER 1000 RANGEFINDER

MAGNIFICATION	OBJECTIVE LENS	WEIGHT	MINIMUM RANGE	MAXIMUM RANGE	EYE RELIEF	FIELD OF VIEW (1000 YARDS)	FIELD OF VIEW ANGULAR	WATERPROOF	LENS COATING	EYECUP STYLE	VIP WARRANTY
6x	22mm	7.7 oz	11 yards	1000 yards	17mm	315'	6.0°	✓	FMC	Fold	✓

CLEANING KITS



FOG-FREE LENS CLEANING SYSTEM

The ultra-brush removes dirt, micro-fiber cloth removes smudges, and anti-fog cleaner keeps lenses free of fog for up to seven days. Easily fits in a jacket pocket or spotting scope carry case.



FOG-FREE LENS CLEANER KIT

Get rid of smudges, water droplets, and ward off fogging for up to seven days! Clean up lenses quick and easy with the Vortex Fog-Free lens cleaner kit.



LENSPEN CLEANING TOOL

Safe and easy to use on all optical lenses, the compact LensPen lets you gently remove dust with the brush and, then, wipe away smudges with the cleaning tip – filled with a non-liquid cleaning compound that won't spill or dry out.



LENS CLEANING CLOTH

Lint-free microfiber cloth specifically designed to remove eyelash oil, fingerprints and smudges.

SPOTTING SCOPE SPECIFICATIONS



[SPOTTING SCOPES]

	RAZOR HD						VIPER HD			
Spotting Scopes	20-60 x 85 HD	20-60 x 85 HD	16-48 x 65 HD	16-48 x 65 HD	11-33 x 50 HD	11-33 x 50 HD	20-60 x 80 HD	20-60 x 80 HD	15-45 x 65 HD	15-45 x 65 HD
Eyepiece Position	Angled	Straight	Angled	Straight	Angled	Straight	Angled	Straight	Angled	Straight
Magnification	20-60x	20-60x	16-48x	16-48x	11-33x	11-33x	20-60x	20-60x	15-45x	15-45x
Objective Lens	85mm	85mm	65mm	65mm	50mm	50mm	80mm	80mm	65mm	65mm
Weight	65.7 oz	65.7 oz	48.4 oz	48.4 oz	25.0 oz	25.0 oz	67.0 oz	66.1 oz	53.3 oz	52.0 oz
Length	15.3"	15.8"	14.1"	14.6"	10.3"	11.0"	17.5"	17.5"	15.8"	15.8"
Close Focus	16.4'	16.4'	11.5'	11.5'	6.6'	6.6'	22.0'	22.0'	16.0'	16.0'
Field of View (1000 yards)	117-60'	117-60'	138-75'	138-75'	191-96'	191-96'	110-50'	110-50'	140-65'	140-65'
Angular Field of View	2.2-1.1°	2.2-1.1°	2.7-1.4°	2.7-1.4°	3.6-1.8°	3.6-1.8°	2.1-1.0°	2.1-1.0°	2.7-1.2°	2.7-1.2°
Eye Relief	18-20mm	18-20mm	18-20mm	18-20mm	20mm	20mm	18mm	18mm	18mm	18mm
Eyecup Style	Twist	Twist	Twist	Twist	Fold	Fold	Twist	Twist	Twist	Twist
Waterproof	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FogProof (Gas Purged)	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas	Argon Gas
HD / XD Glass	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium	HD Premium
ArmorTek	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lens Coatings	XRPlus	XRPlus	XRPlus	XRPlus	XRPlus	XRPlus	XR FMC	XR FMC	XR FMC	XR FMC
Prism Coatings	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric
VIP Unconditional Warranty	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



[SPOTTING SCOPES]

	DIAMONDBACK			
Spotting Scopes	20-60 x 80	20-60 x 80	20-60 x 60	20-60 x 60
Eyepiece Position	Angled	Straight	Angled	Straight
Magnification	20-60x	20-60x	20-60x	20-60x
Objective Lens	80mm	80mm	60mm	60mm
Weight	47.1 oz	47.1 oz	33.8 oz	33.8 oz
Length	14.8"	15.7"	14.0"	14.4"
Close Focus	22.0'	22.0'	20.0'	20.0'
Field of View (1000 yards)	105-51'	105-51'	114-51'	114-51'
Angular Field of View	2.0-1.0°	2.0-1.0°	2.2-1.0°	2.2-1.0°
Eye Relief	16.5-20mm	16.5-20mm	14-17mm	14-17mm
Eyecup Style	Twist	Twist	Twist	Twist
Waterproof	✓	✓	✓	✓
FogProof (Gas Purged)	Nitrogen Gas	Nitrogen Gas	Nitrogen Gas	Nitrogen Gas
HD / XD Glass	-	-	-	-
ArmorTek	-	-	-	-
Lens Coatings	XR FMC	XR FMC	XR FMC	XR FMC
Prism Coatings	Dielectric	Dielectric	Dielectric	Dielectric
VIP Unconditional Warranty	✓	✓	✓	✓

MONOCULAR SPECIFICATIONS



	RECON		SOLO		
Monoculars	15 x 50	10x36	8x36	10x25	8x25
Magnification	15x	10x	8x	10x	8x
Objective Lens	50mm	36mm	36mm	25mm	25mm
Weight	15.2 oz	9.7 oz	9.7 oz	5.6 oz	5.6 oz
Length	7.0"	4.9"	4.9"	4.4"	4.4"
Close Focus	12.0'	16.4'	16.4'	16.4'	16.4'
Field of View (1000 yards)	215'	325'	393'	315'	378'
Angular Field of View	4.1°	6.2°	7.5°	6.0°	7.2°
Eye Relief	16.0mm	15.0mm	18.0mm	14.5mm	15.0mm
Eyecup Style	Twist-up	Twist-up	Twist-up	Twist-up	Twist-up
Waterproof	✓	✓	✓	✓	✓
FogProof (Gas Purged)	Argon	Nitrogen	Nitrogen	Nitrogen	Nitrogen
ArmorTek	✓	-	-	-	-
XD Glass	✓	-	-	-	-
Lens Coatings	XR FMC	FMC	FMC	FMC	FMC
VIP Unconditional Warranty	✓	✓	✓	✓	✓

BINOCULAR SPECIFICATIONS



[FULL SIZE ROOF PRISMS]

	RAZOR HD				KAIBAB HD		VIPER HD				
	12x50	10x50	10x42	8x42	20x56	15x56	15x50	12x50	10x50	10x42	8x42
Magnification	12x	10x	10x	8x	20x	15x	15x	12x	10x	10x	8x
Objective Lens	50mm	50mm	42mm	42mm	56mm	56mm	50mm	50mm	50mm	42mm	42mm
Weight	28.7 oz	28.1 oz	24.8 oz	24.2 oz	43.6 oz	43.9 oz	28.4 oz	28.0 oz	28.4 oz	24.6 oz	24.2 oz
Height x Width	6.8 x 5.1"	6.8 x 5.1"	5.9 x 5.1"	5.9 x 5.1"	7.7 x 5.7"	7.7 x 5.7"	6.7 x 5.2"	6.7 x 5.2"	6.7 x 5.2"	5.8 x 5.3"	5.8 x 5.3"
Close Focus	10.0'	10.0'	6.0'	6.0'	23.0'	23.0'	8.2'	8.5'	8.2'	5.1'	5.1'
Field of View (1000 yards)	285'	315'	362'	388'	168'	215'	210'	252'	278'	319'	347'
Angular Field of View	5.4°	6.0°	6.9°	7.4°	3.2°	4.1°	4.0°	4.8°	5.3°	6.1°	6.6°
Eye Relief	15.5mm	16.5mm	16.5mm	17.5mm	15.0mm	15.0mm	16.0mm	15.0mm	19.5mm	16.5mm	20.0mm
Eyecup Style	Twist	Twist	Twist	Twist	Twist	Twist	Twist	Twist	Twist	Twist	Twist
Interpupillary Distance	57-74mm	57-74mm	55-75mm	55-75mm	60-76mm	60-76mm	59-75mm	59-75mm	59-75mm	59-75mm	59-75mm
Waterproof	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FogProof (Gas Purged)	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Argon
ArmorTek	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HD / XD Glass	HD Premium - APO	HD Premium - APO	HD Premium - APO	HD Premium - APO	HD Premium - APO	HD Premium - APO	HD	HD	HD	HD	HD
Lens Coatings	XRPlus	XRPlus	XRPlus	XRPlus	XRPlus	XRPlus	XR FMC	XR FMC	XR FMC	XR FMC	XR FMC
Prism Coatings	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric	Dielectric
Phase Corrected	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Locking Diopter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tripod Adaptable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
VIP Unconditional Warranty	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



[MID SIZE ROOF PRISMS]

[PORRO PRISMS]

	VIPER HD		TALON HD		DIAMONDBACK		HURRICANE		RAPTOR	
	8x32	6x32	10x32	8x32	10x32	8x32	10x50	7x50	8.5x32	6.5x32
Magnification	8x	6x	10x	8x	10x	8x	10x	7x	8.5x	6.5x
Objective Lens	32mm	32mm	32mm	32mm	32mm	32mm	50mm	50mm	32mm	32mm
Weight	20.6 oz	20.6 oz	19.6 oz	19.8 oz	18.8 oz	18.4 oz	38.4 oz	39.4 oz.	17.3 oz	17.3 oz.
Height x Width	4.9 x 4.8"	4.9 x 4.8"	5.4 x 5.0"	5.4 x 5.0"	4.5 x 5.3"	4.5 x 5.3"	7.4 x 8.0"	7.4 x 8.0"	4.5 x 5.7"	4.5 x 5.7"
Close Focus	3.0'	3.0'	8.0'	8.2'	5.3'	5.3'	30.0'	30.0'	15.0'	15.0'
Field of View (1000 yards)	400'	420'	330'	420'	341'	420'	341'	378'	390'	410'
Angular Field of View	7.6°	8.0°	6.3°	8.0°	6.5°	8.0°	6.5°	7.2°	7.4°	7.8°
Eye Relief	16.0mm	19.5mm	14.3mm	15.2mm	10.0mm	12.0mm	15.0mm	17.0mm	14.0mm	20.0mm
Eyecup Style	Twist	Twist	Twist	Twist	Twist	Twist	Fold	Fold	Twist	Twist
Interpupillary Distance	59-75mm	59-75mm	56-73mm	56-73mm	58-74mm	58-74mm	56-74mm	56-74mm	50-70mm	50-70mm
Waterproof	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FogProof (Gas Purged)	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Argon	Nitrogen	Nitrogen
ArmorTek	✓	✓	✓	✓	-	-	✓	✓	-	-
HD / XD Glass	HD	HD	HD	HD	-	-	-	-	-	-
Lens Coatings	XR FMC	XR FMC	XR FMC	XR FMC	FMC	FMC	FMC	FMC	FMC	FMC
Prism Coatings	Dielectric	Dielectric	Dielectric	Dielectric	-	-	-	-	-	-
Phase Corrected	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
Locking Diopter	✓	✓	-	-	-	-	-	-	-	-
Tripod Adaptable	✓	✓	✓	✓	✓	✓	✓	✓	-	-
VIP Unconditional Warranty	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



[FULL SIZE ROOF PRISMS]

TALON HD**VULTURE HD****DIAMONDBACK****CROSSFIRE II**

10x42	8x42
10x	8x
42mm	42mm
26.5 oz	27.4 oz
6.7 x 5.0"	6.7 x 5.0"
6.0'	6.0'
348'	425'
6.6°	8.1°
16.0mm	18.0mm
Twist	Twist
56-73mm	56-73mm
√	√
Argon	Argon
√	√
HD	HD
XR FMC	XR FMC
Dielectric	Dielectric
√	√
-	-
√	√
√	√

15x56	10x56	8x56
15x	10x	8x
56mm	56mm	56mm
43.6 oz	39.2 oz	39.2 oz
7.6 x 5.8"	6.6 x 5.8"	6.6 x 5.8"
15.0'	9.8'	9.8'
226'	320'	328'
4.3°	6.1°	6.3°
15.0mm	18.2mm	23.0mm
Twist	Twist	Twist
59-74mm	57-73mm	57-73mm
√	√	√
Argon	Argon	Argon
√	√	√
HD	HD	HD
XR FMC	XR FMC	XR FMC
Dielectric	Dielectric	Dielectric
√	√	√
-	-	-
√	√	√
√	√	√

12x50	10x50	8.5x50	10x42	8x42
12x	10x	8.5x	10x	8x
50mm	50mm	50mm	42mm	42mm
31.0 oz	31.0 oz	31.0 oz	24.4 oz	25.2 oz
6.8 x 5.6"	6.8 x 5.6"	6.9 x 5.6"	5.9 x 5.6"	5.9 x 5.6"
9.0'	9.0'	9.0'	5.0'	4.5'
241'	283'	283'	345'	420'
4.6°	5.4°	5.4°	6.6°	8.0°
18.0mm	19.0mm	21.5mm	16.0mm	18.0mm
Twist	Twist	Twist	Twist	Twist
61-74mm	61-74mm	61-74mm	57-73mm	57-73mm
√	√	√	√	√
Argon	Argon	Argon	Argon	Argon
-	-	-	-	-
-	-	-	-	-
FMC	FMC	FMC	FMC	FMC
-	-	-	-	-
√	√	√	√	√
-	-	-	-	-
√	√	√	√	√
√	√	√	√	√

10x42	8x42
10x	8x
42mm	42mm
20.8 oz	21.2 oz
5.6 x 5.0"	5.9 x 5.0"
7.0'	7.0'
315'	315'
6.0°	6.0°
14.0mm	17.0mm
Twist	Twist
58-75mm	58-75mm
√	√
Nitrogen	Nitrogen
-	-
-	-
FMC	FMC
-	-
-	-
√	√
√	√



[COMPACT ROOF PRISMS]

VANQUISH**VIPER****DIAMONDBACK**

10x26	8x26
10x	8x
26mm	26mm
12.7 oz	12.7 oz
4.7 x 4.4"	4.7 x 4.4"
7.6'	7.6'
294'	352'
5.6°	6.7°
16.0mm	15.0mm
Twist	Twist
57-71mm	57-71mm
√	√
Nitrogen	Nitrogen
-	-
-	-
FMC	FMC
-	-
N/A	N/A
-	-
-	-
√	√

10x28	8x28
10x	8x
28mm	28mm
12.0 oz	11.8 oz
4.7 x 4.5"	4.7 x 4.5"
7.5'	7.5'
267'	319'
5.1°	6.1°
19.0mm	20.0mm
Twist	Twist
56-73mm	56-73mm
√	√
Argon	Argon
-	-
XD	XD
XR FMC	XR FMC
-	-
√	√
-	-
-	-
√	√
√	√

10x28	8x28
10x	8x
28mm	28mm
14.0 oz	14.0 oz
4.8 x 4.5"	4.8 x 4.5"
13.1'	13.1'
300'	360'
5.7°	6.9°
16mm	19.3mm
Twist	Twist
56-74mm	56-74mm
√	√
Argon	Argon
-	-
-	-
FMC	FMC
-	-
√	√
-	-
√	√
√	√



HD™ (High Density) premium extra-low dispersion glass delivers the ultimate in resolution and color fidelity, resulting in High Definition images.



XD™ extra-low dispersion glass increases resolution and color fidelity, resulting in crisp, sharp images.



XR Plus™ premium fully multi-coated lenses deliver the highest level of light transmission for maximum brightness.



XR™ anti-reflective coatings deliver incredible image detail with extremely high resolution and light transmission.



ArmorTek® repels the oil and corrosive salts of fingerprints from lenses. This ultra-hard lens armor is chemically bonded to outer glass elements, providing a scratch-resistant, stain-proof surface. ArmorTek protects optical glass from dust, dirt and smudges.



Highly prized argon gas purging for superior fogproof and waterproof performance.



Neutral pressure nitrogen purging guarantees waterproofing and fogproofing that withstands the elements at any elevation.



Waterproof performance designed to withstand harsh weather conditions.

ArmorTek, Binoc-Loc, Copperhead, Crossfire, Dead-Hold, Diamondback, Fury, Golden Eagle, Hurricane, Impact, Kaibab, LRBC, Ranger, Razor, Recon, Solo, SPARC, Strike Eagle, StrikeFire, Strike Force, Talon, The Force of Optics, Twister, Typhoon, VTX logo, V-Brite, Vanquish, Venom, Versa-Plex C3, Viper, Vortex, and Vulture are registered trademarks of Vortex Optics.

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Great optics put big trophies on the wall, and in this case on the web. The trophy gallery on our web site features the many photos of trophies taken using Vortex Optics. Giant racks, big horns – even competitive shooting trophies. We're pretty proud of the folks that send us their photos, sharing their hunt details and shooting experiences. It's a big part of why we do what we do. Satisfied customers, yes. But happy hunters and shooters – way better. In fact, if we can improve the quality of the experience for even just one person, our job is done. Many thanks to all those who share and support Vortex Optics.

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THE FORCE OF OPTICS

2014



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