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# IT'S WHAT YOU **CAN'T** SEE THAT DETERMINES WHAT YOU **WILL** SEE.

From the outside, every riflescope looks pretty similar.

It's easy to hide inferior components, ordinary glass, and cost-cutting measures sealed inside a black tube. You might not even notice them. Until, that is, your scope fails due to repeated recoil. Or it won't resolve your target in low light. Or its adjustments wear prematurely. Or it won't hold zero after a trip to the other side of the globe.

Nightforce riflescopes are proven in combat, in Arctic cold, in desert heat, in environments that can—and will—cause less well built, less thoroughly tested riflescopes to quickly fail.

At best, that would be a major inconvenience. At worst, when your life depends on your riflescope, as it does for some Nightforce users, it could be fatal.

Whether you hunt, shoot professionally, push the limits of long-range accuracy, or take your Nightforce into harm's way, you need only be concerned with the brilliant image you see through it.

Rest assured we've taken care of everything else.

# **NIGHTFORCE**

Detailed information and tutorials on Nightforce products can be found at www.NightforceOptics.com. "... you get something that will do things other scopes can't do as well, or can't do at all. The Nightforces I see are mounted on the rifles of people who are not rich...but simply decided that what these scopes bring to the game is worth the sacrifice."

—David E. Petzal
Field Editor, Field & Stream



## Sudden Impact

Before they leave the factory, Nightforce riflescopes are subjected to conditions far beyond most anything a customer will ever encounter in the field. For example, during our impact tests, riflescopes must endure repeated impacts of over 1200 Gs of force on multiple axes. After each severe blow, the riflescope is hand-checked for tracking accuracy and overall integrity. If we can't make it fail, chances are you can't either.



### High Mileage King

F-Class shooter Derek Rodgers was crowned the 2017 "King of Two Miles." Shooting with Team Applied Ballistics and running a Nightforce ATACR 7-35x56 F1, Derek was the first KO2M marksman in history to hit the target at the maximum 3368-yard (1.91 mile) distance. With the help of spotter Paul Phillips and the wind call from Emil Praslick, Derek's shooting system of a custom rifle, .375 CheyTac ammunition, and a "robust and clear" optic allowed him to place a shot on target at two miles. Congratulations to Derek and Team Applied Ballistics for such a great accomplishment.



# **Our elevation adjustments** are made with proprietary alloys that ensure a lifetime of resistance to wear, and deliver performance as reliable years down the road as the day you bought your riflescope.

Even with sophisticated CNC machining, some threads are so fine—and so precise—that only a skilled pair of human hands can assemble the components.



We meticulously hand-bed our lenses so no glass-to-metal contact exists that can result in breakage, stress, or misalignment over time. It eliminates point-of-impact shifts or degraded image quality that often afflict lesser riflescopes in extremes of weather and temperature.

# There hasn't been a rifle built Nightforce can't handle.

When a customer told us about his 12,000+ shots through two .50 BMGs, followed by 970 rounds through a 14.5/114mm Russian, all with one Nightforce riflescope that never flinched, we thought we had heard it all.

That was until we encountered John Buhay, vice president of U.S. Armament Corp, with his 20mm Vulcan. It propels a 1757 grain bullet at 2720 fps, generating an unbelievable 30,000 ft. lbs. of muzzle energy... over twice that of the average .50 caliber. "I've fired over 4000 rounds through it," said John, "and my Nightforce performs as flawlessly as day one. Even with countless elevation adjustments...my Nightforce always returns to zero."

All cartridges shown actual size.



# **NEW FOR 2018**



The ATACR™ 1-8 x 24 F1 is the ultimate low-power variable riflescope. With a first focal plane reticle, ED glass, daylight visible illumination, and low-profile silhouette, you'll shoot faster and further.

PAGE 7

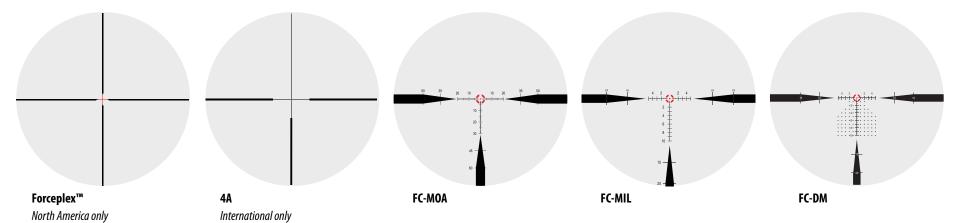
Our new NX8™ 1-8 x 24 F1, optimized for short- to medium-range shooting, adds minimal size and weight while adding unmatched performance and capabilities. Daylight visible illumination with MOA and MIL reticles make the NX8™ a must-have.

PAGE 5

20 15 10 5 ILLIAND INTERPRETATION OF THE PROPERTY OF THE PROPE

**New reticles** have been created and tailored specifically for maximum performance in our newest and most popular riflescopes.

PAGE 31



The new NX8™ family of optics is a groundbreaking technological achievement in riflescopes. They are based upon the virtually indestructible construction and legendary performance of our NXS™ riflescopes, with a number of internal enhancements. Most significant is the remarkable 8:1 zoom ratio—resulting in riflescopes of extreme versatility, adaptable to almost any situation and environment.

targets increase in distance, the intelligent FC-MIL<sup>™</sup> and FC -MOA<sup>™</sup> first focal plane reticles provide precise hold points. For those preferring to dial for long shots, the ZeroStop<sup>™</sup> elevation adjustment allows for a rapid and positive return to zero. Adjustments are a true .2 Mil-Radian or .50 MOA. To aid

in quick magnification adjustments, a Power Throw Lever (PTL) is included.



5

Focal plane First

Field of view 1x: 106 ft

@100 yards/100 meters 8x: 13.2 ft

30 mm

1x: 7.9 mm

8x: 3.0 mm

1x: 32.3 m

Objective outer diameter

Exit pupil diameter



# ADVANCED TACTICAL RIFLESCOPE THE NIGHTFORCE ATACR<sup>TM</sup> FAMILY OF RIFLESCOPES:

# AS GOOD AS IT GETS.

The motivation behind our ATACR™ series is simple: build the ultimate family of riflescopes.

The heart of any riflescope is its glass, and there is none better than the extra-low dispersion (ED) lenses found in every ATACR™. They produce the most brilliant images, color contrast, and resolving power physically possible within the bounds of optical engineering, as well as the highest light transmission levels of any riflescopes we've ever made.

They are unsurpassed mechanically, using only the highest quality components that withstand a lifetime of recoil and adjustments. You can count on every click being as precise and positive years from now as on the day your ATACR™ was new.

As the acronym "ATACR" reveals, these superb riflescopes were originally designed for professional military, law enforcement, and other tactical applications. In fact, they are the basis for our Mil-Spec riflescopes available to military customers.

You don't have to be a professional shooter, however, to achieve professional long-range performance. Shooters enamored with the newest, flattest-shooting, high BC/high velocity cartridges find that our higher-power ATACR™ riflescopes meet or exceed the capability of any known rifle cartridge.

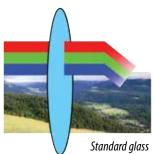


"The first glance through the ATACR™ was a

**revelation**...a huge, bright, virtually perfect image, absolutely flat and distortion free...what sets these scopes apart are two things: They are tremendously strong — immune, as far as I can tell, from recoil and just about everything else. And they are repeatable. Their big adjustment knobs will send a bullet exactly where you tell it to go time after time after time."

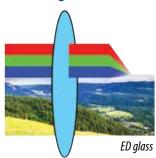
—David E. Petzal, rifle field editor, Field & Stream





# What is ED glass?

"ED" stands for "extra-low dispersion." With a standard lens, the glass elements can provide distortion of the image wavelengths resulting in a compromise of the image. ED glass focuses these wavelengths to a much more precise point, producing brighter color, higher resolution and better image contrast. In layman's terms, it is comparable to going to an HDTV from a standard definition TV.





and bomb-proof reliability, with a field of view at 1x equivalent to open sights...but vastly more precise.

It measures just over 10 inches in length and weighs 24 ounces, with a streamlined profile. The daylight visible center red dot allows for rapid engagements, similar to a red-dot sight. Unlike a red-dot, however, the 1-8x provides up to 8x zoom to help locate, identify and engage targets at substantial distances. The intelligent FC-DM first focal plane reticle provides precise hold and holdover points. The low-profile adjustments are capped to prevent accidental adjustment, and are a true .1 Mil-Radian. To aid in fast magnification adjustments, a Power Throw Lever (PTL) is included.













# B.E.A.S.T.<sup>™</sup> 5-25x56 F1

ITS NAME SAYS IT ALL.

It stands for "Best Example of Advanced Scope Technology." Because that's what it is. Quite simply, it's the most sophisticated riflescope we've ever built...with capabilities unparalleled in the optics industry.

You'll enjoy Extra-Low Dispersion (ED) glass. Intelligent elevation controls. And the ability to identify and engage targets at extreme distances, at speeds never before possible.

It was a beast to create, too. Years in development, presenting engineering challenges the likes of which we've never experienced. It was worth every bit of effort. If you need to deliver a round somewhere very far and very fast, you'll be very glad to have this B.E.A.S.T.™ on your side.

13

Focal plane

Eye relief

(MOA/Mil)

**Objective outer diameter** 

First

65 mm

5x: 8.3 mm

25x: 2.3 mm

5x: 18.7 ft

25x: 4.92 ft

5x: 5.7 m

25x: 1.45 m

3.54"/90mm

е: 120 моа

w: 80 MOA

45 yd-∞

46 mm

15.37/390

40/1134

5.92/150

Standard

MOAR™ (F1) MIL-R™ (F1) H59™ TReMoR3™

Dialllum™

1.34"/34 mm

e: 35 MIL-RADIAN

w: 23 mil-radian

.50 and .250 MOA

.2 and .1 MIL-RADIAN



# THE NIGHTFORCE NXS™ FAMILY OF RIFLESCOPES:

# PROVEN IN PLACES YOU OUGHT TO AVOID.



NXS™ 1-4 x 24 NXS™ 2.5-10 x 42 NXS™ 3.5-15 x 50 NXS™ 5.5-22 x 50/56 NXS™ 8-32 x 56 Originally conceived in conjunction with the U.S. military, NXS™ riflescopes have seen active service in theaters of war around the globe...and have been a preferred choice of special operations units and sniper teams.

NXS™ riflescopes have performed impeccably in the nastiest, most hostile environments on earth. They have been blown up, run over, even shot through, and completed their missions time and time again.

In more peaceful pursuits, they have been instrumental in winning countless long-range competitions and setting new world records in the process.

Serious hunters—who must have optics that endure repeated recoil, blistering heat, subzero cold, rain, sleet, snow, mountains, rocks, falls, horses and even baggage handlers have come to prize NXS™ riflescopes for the same reasons.

NXS™ riflescopes are built to standards that exceed virtually any other riflescope on the market. Each must pass a battery of tests including side and front impact—that would destroy an ordinary optic.

Only the highest quality, most durable components are used in NXS™ riflescopes, assuring a lifetime of repeatable precision. NXS™ lenses are painstakingly bedded with our proprietary Mil-Spec formulation, avoiding any glass-to-metal contact that can result in breakages, stress, misalignment, and thermal shock.

Their ruggedness, precision and proven toughness will serve you well in any place you might find vourself.

**The meticulous design of each internal component** and painstaking manufacturing processes are what distinguish a Nightforce riflescope from lesser optics. For example, the spring that maintains pressure on our elevation and windage adjustments spends two weeks in a polishing tumbler before going into a Nightforce NXS™ riflescope, to ensure there are no rough spots or burrs to interfere with perfectly smooth operation. It will never fatigue or establish a memory. This quarantees absolute integrity and repeatability over a lifetime of use. It is many times more expensive than comparable springs found in most scopes. But, we are not concerned with a few dollars. We are concerned with building the best riflescope. It is representative of the quality of every single component within an NXS™.



Open sights are ideal for hunting dangerous and rapidly moving game, but many hunters' eyes are such that they cannot effectively use them. At one power, the NXS™ 1-4 x 24 provides the same view as open sights, making it an ideal choice for double rifles and large-caliber safari rifles. The ability to use 4x magnification also lets the NXS™ 1-4 x 24 do double duty on plains game and smaller targets, allowing one rifle to suffice for a multi-species hunt.

One of the few true 1x variables, it provides a large field of view similar to open sights, but much more precise. For the hunter, this makes it ideal for use on a dangerous game rifle. For the military or law enforcement professional, it is invaluable in CQB situations. Its capability—beyond that of any red dot/magnifier combination—also makes it a top choice for three-gun competitive shooting. It is unfazed by the largest caliber or the most brutal environment.

Small, streamlined, and infinitely versatile, it can be a lifesaver. Literally.



The NXS<sup>TM</sup> 1-4x 24 is ideal for the AR platform, especially on shorter, lighter rifles used in CQB environments, and where speed and a broad field of view are critical.

Focal plane	Second
Objective outer diameter	30 mm
Exit pupil diameter	1x: 16 mm
	4x: 6 mm
Field of view	1x: 100 ft
@100 yards/100 meters	4x: 25 ft
	1x: 30.5 m
	4x: 7.6 m
Eye relief	3.5"/90 mm
Internal adjustment range	е: 100 моа
	w: 100 моа
Click value	.250 моа
Parallax adjustment	Fixed 75 yd
Tube diameter	1.18"/30 mm
Eyepiece outer diameter	40 mm
Overall length (in/mm)	8.8/224
Weight (oz/g)	17/482
Mounting length (in/mm)	5.4/137
PTL (Power Throw Lever)	Standard
Reticles available	FC-3G™
	IHR™
Illumination	External adj
Elevation feature	Capped or
	ZeroStop®









riflescope is a Nightforce NXS<sup>™</sup> 8-32 x 56.

Our congratulations to Derek!

Cups. The NXS™ 8-32 x 56 will deliver your rounds on target, no

matter how far away that target might be.

19

.250 MOA



# THE NIGHTFORCE SHVT FAMILY OF RIFLESCOPES:

# HIGH PERFORMANCE, REASONABLE PRICE.



In recent years, many well-known manufacturers have brought "affordable" riflescopes to the market, hoping to attract buyers to a cheaper product with a highend name attached. Many shooters have been less than thrilled with such purchases.

That's because there are only two ways to lower the cost of a riflescope. One is to reduce the quality of its glass, its components, and/or its construction.

The second way is to build it more simply, with fewer options and only one basic configuration, while keeping the quality high.

In developing our SHV™ Shooter Hunter Varminter<sup>™</sup> series, we chose the second approach.

As their name implies, SHV™ riflescopes are designed for maximum versatility across a wide range of shooting disciplines; whether you enjoy target shooting, pursuing big game, varmint shooting, or all of the above.

They allow shooters on a budget to move up to Nightforce quality at a very reasonable cost. You will find that SHV™ riflescopes outperform many brands that cost much, much more.









you preset the optimum brightness level for your lighting conditions, turn off illumination with a slight rotation of the dial to save battery power, and

instantly restore your selected setting when ready to shoot.





# **COMPETITION**

Nightforce is proud to be a long-time supporter of the U.S. F-Class rifle teams and competitive teams throughout the world.





# PRECISION BENCHREST MORE MATCHES WON, MORE RECORDS SET.



Above: Walt Berger, founder of Berger Bullets, and his grandson shooting the Cactus Classic together. Nightforce performance spans several generations.



The U.S. Rifle Team, 2017 World F-T/R Champions. The United States team has won the last three world competitions, all with Nightforce riflescopes.



Zachary Hogg, son of F-T/R team member Tracy Hogg, is quite a shooter in his own right. He's won matches and set records at a tender age. Nightforce is a strong supporter of young participants in all shooting sports, especially long-range precision competition.

Some of the very first riflescope designs we ever built include our Precision Benchrest series, still going strong after nearly a quarter of a century, and responsible for countless world records. If you want to know why, since our founding in 1992, Nightforce riflescopes have won more matches and set more records in long-range competition than any other brand, you need look no further than our Precision Benchrest series.

As long-range competitions add ever-moredemanding events, we saw the need for a new class of riflescopes capable of extreme precision at extreme ranges. Thus was born our Competition™ series.

And capable they are. Since their introduction just a few years ago, they've been instrumental in winning at ranges around the world.

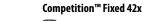
Competition™ riflescopes are purpose-built for the competitive shooter. They are not double-duty or modified optics with a fancy name applied.

They simply blow away the competition. That is, of course, if there were any. Even our reticles, unique to Nightforce, were created specifically for the long-range shooter and to complement the extraordinary ability of these riflescopes.

If you believe a group can always be smaller, a score higher, and that there is always more potential to be had from purpose-built target rifles, precise loads and bullet technology, you've come to the right place.









Precision Benchrest 8-32 x 56



Precision Benchrest 12-42 x 56





Elevation feature | ZeroStop®

SR FIXED 4.5x24

BUILT FOR ONE REASON: TO WIN.

**©MPETITION** 

The Competition SR Fixed 4.5 x 24 was designed with one purpose, to win service rifle matches held under both Civilian Marksmanship Program (CMP) and NRA rules. Civilian and military shooters alike have adopted this scope to dominate on the firing line in individual and team competition.

The SR Fixed 4.5 x 24 complies with new match rules that allow the use of riflescopes having a maximum magnification of 4.5x and an objective lens of 34mm or less.

It is compact, light in weight, and of course, repeatable over a lifetime of hard use. Its exposed adjustments provide a full 100 MOA of both windage and elevation travel, and markings are large and easy to read.

The SR stands for "Service Rifle." Or perhaps as many are saying, "that's Some Riflescope."



**ZeroStop**°



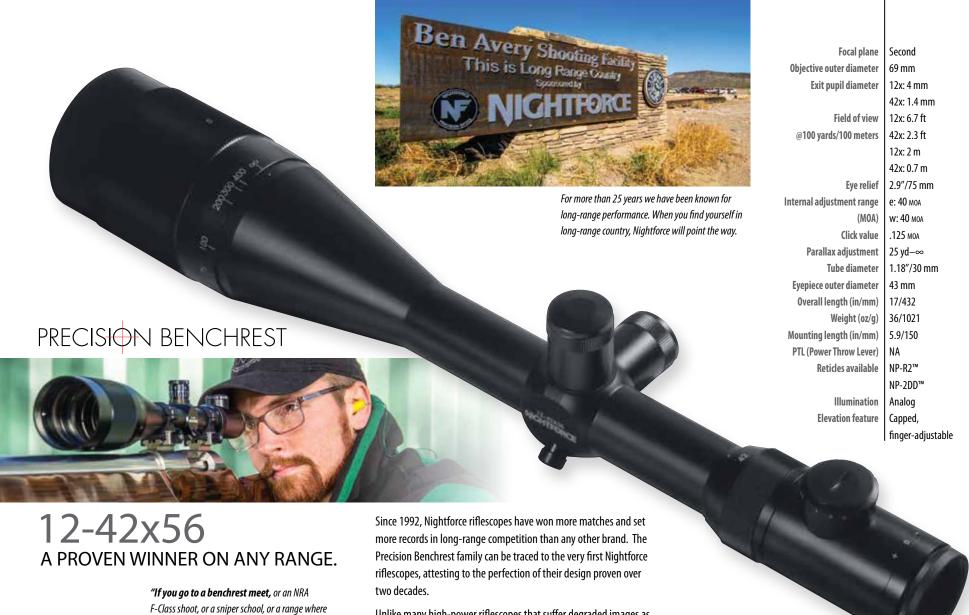
#### Thunder Down Under

The Australian F-Open team shown at the 2017 F-Class World Championships. The Aussies are reigning F-Open champions, with help from their Nightforce Competition  $^{11}$  15-55 x 52 riflescopes.



Above: Walt Berger, founder of Berger Bullets, likes what he sees through the Competition™ Fixed 42 x 44.



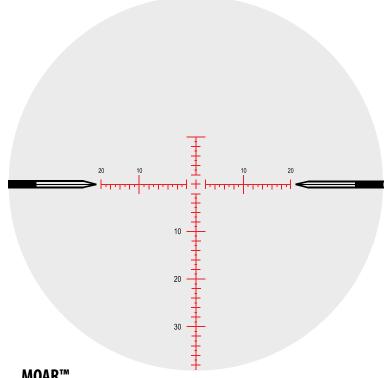


"If you go to a benchrest meet, or an NRA
F-Class shoot, or a sniper school, or a range where
the .50 BMGs bellow and thunder, you will see
Nightforces aplenty. In fact, among this crowd,
there are two kinds of shooters—those who have
Nightforces and those who want them."
—David E. Petzal, rifle field editor,

Field & Stream

Unlike many high-power riflescopes that suffer degraded images as magnification increases, the 12-42 x 56's multi-coated lenses and exceptional resolving power result in superb resolution across the entire magnification range. A favorite among .50 BMG Benchrest shooters, our Precision Benchrest models are proven to be some of the most rugged riflescopes available.

# A RETICLE FOR EVERY REASON. AND EVERY SEASON.



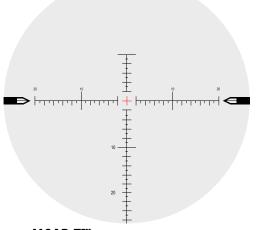
# MOAR™

The Nightforce MOAR™ reticle is the intelligent choice for minute of angle (MOA) shooters. A floating center crosshair two MOA wide and two MOA tall provides a precise aiming point, while one-MOA elevation and windage spacings provide accurate holdoffs and rangefinding, compared to ordinary reticles with coarser markings.

The Nightforce MOAR™ has thicker line subtensions than our traditional reticles, making it easier to see across any background or target. Elevation and windage lines are marked at 10 MOA intervals.

Shooters will find the 3, 6 and 9 o'clock posts help draw the eye to center for faster target acquisition. The MOAR's intelligence and versatility make it ideal for almost any shooting application. It has helped establish new levels of precision and ease of use for the longrange shooter.

The MOAR™ is available in first and second focal plane Nightforce riflescopes. Please visit NightforceOptics.com to determine the version offered in your riflescope of choice.



# MOAR-T™

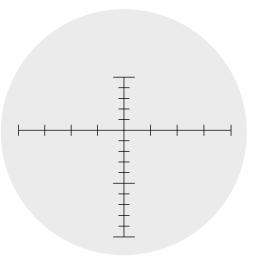
This finer version of our MOAR™ reticle allows even more precision at extreme ranges. With a line thickness of .0625 MOA, the MOAR-T™ allows you to squeeze every possible ounce of precision from your rifle. Center illuminated only.

### The mathematics of Minute of Angle

The incremental amount denoted as a minute of angle (MOA) is an angular system of measurement.

A true MOA is equal to one-sixtieth of one degree, which is 1.047" at 100 yards.

As an angular unit of measurement, the value is not an equal, linear amount at all distances. As such, 1 MOA is 1.047" at 100 yards, 2.094" at 200 yards, 3.141" at 300 yards, etc.



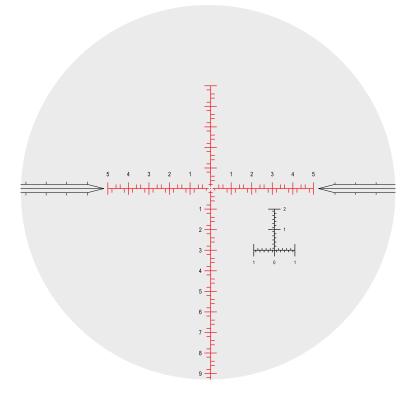
# NP-R2™

A Nightforce classic, the NP-R2™ provides 2 MOA elevation and 5 MOA windage increments. This reticle has proven popular for most long range rifle applications. Available in Precision Benchrest models only.

#### Please note:

Reticles offered in certain Nightforce riflescopes may have minor variations from those pictured here. Please visit NightforceOptics.com for specific details.

# **RETICLES CONTINUED**

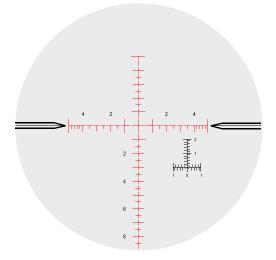


# MIL-C™ New!

Designed to meet the needs of today's Precision Rifle Series competitor, the MIL-C™ reticle allows for fast and accurate shots on target. The MIL-C™ has a simple center dot for a fine aiming point at center, while the main lines feature .2 Mil-Radian holds. Each whole Mil-Radian is numbered for fast reference under the most stressful conditions.

The MIL-C™ features the inverted "T" Mil-Radian ranging scale made famous in our MIL-R™ reticle. This allows for easy and logical estimations as low as .05 Mil-Radians if needed.

This reticle was designed for the competitive and field shooter, and is certain to give a competitive edge to anyone who uses it.



# MIL-R™

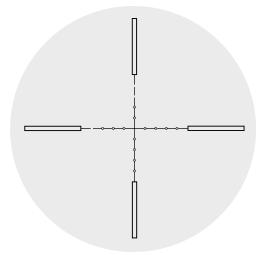
When precision ranging, accurate holdoffs and quick followup shots are needed by a Mil-Radian shooter, the MIL-R™ delivers on every level.

It was designed for speed and intuitiveness. The clean, uncluttered floating center crosshair is precisely 1 Mil in width, supported by whole, half, .2 and .1 Mil-Radian graduations. Numerical indicators provide quick reference to Mil-Radian spacing under stressful conditions.

The inverted "T" Mil-Radian ranging scale allows the shooter to easily and logically estimate as low as .05 Mil-Radians if needed.

It's fast, precise and smart. Almost as smart as the shooter who uses it.

The MIL-R™ is available in first and second focal plane Nightforce riflescopes. Please visit NightforceOptics.com for more information on the version available in your preferred riflescope.



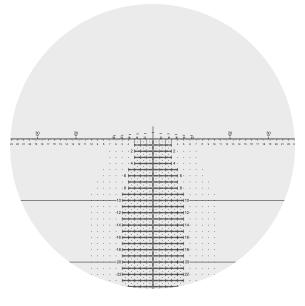
# **MIL-DOT**

The "grandfather of smart reticles" still has plenty of life left in him, especially the Nightforce version. See-through dots and posts do not obscure the target, allowing more precise range estimation and hold offs. Space between the dots equals 1 Mil-Radian.

#### Mil-Radian measurements

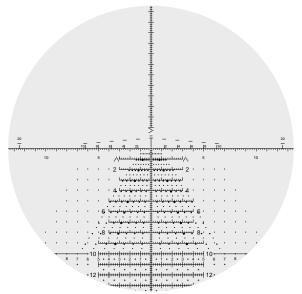
The incremental amount denoted as a Mil-Radian (Mil) is an angular system of measurement. A true Mil is equal to 1/6283 of a circle, or 3.43775 MOA. This equals 3.600" at 100 yards or 10 cm at 100 meters.

As an angular unit of measurement, the value is not an equal, linear amount at all distances. As such, 1 Mil is 3.600" at 100 yards, 7.200" at 200 yards, 10.800" at 300 yards, etc.



# H-59™

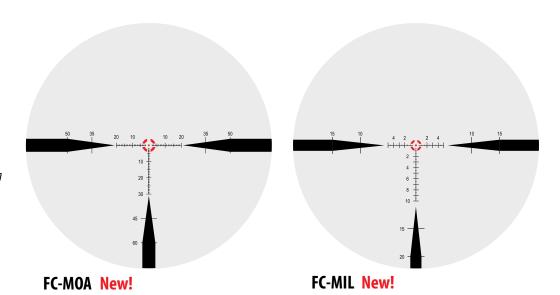
The H59 is a rapid engagement reticle designed for the field. With multiple hold points and the *Accuracy 1st Speed Shooting Formula* built right into the reticle, more targets are in reach—faster than ever. *First focal plane only.* 



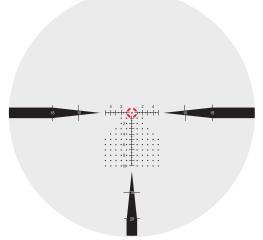
## TReMoR 3™

Designed for speed at nearly any distance, and especially helpful in windy conditions with field-proven wind dots. The *Accuracy 1st Speed Shooting Formula* is built right into the reticle, and its pattern easily allows .1 Mil-Radian holds or range estimates. *First focal plane only*.

Note: Shown enlarged for clarity. For full details visit NightforceOptics.com/reticles.



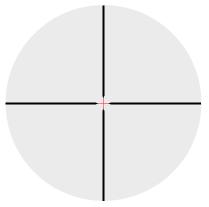
Created and optimized for low-power variable riflescopes. As first focal plane reticles, elevation and windage markings are valid at every magnification setting, providing precise hold and reference points. At low power, the bright daylight center dot and segmented circle are visible under the harshest light, allowing fast, accurate shots. At higher magnification, the clean 1 Minute of Angle (MOA) markings of the FC-MOA and .5 and 1 Mil-Radian markings of the FC-MIL provide easy hold points for moving targets, wind and elevation hold-offs, or for reference. Bold, pointed lines at 3, 6 and 9 o'clock help draw the eye to the center at any magnification. Shown at 8x magnification.



# FC-DM New!

The first focal plane FC-DM reticle was also designed and optimized specifically for low power variable riflescope use. At low power, the daylight bright center dot and segmented circle are visible under the brightest of conditions, allowing for fast and accurate shots. The clean .5 and 1 Mil-radian (Mil) markings provide easy hold points for moving targets, wind and elevation hold-offs, or for reference markings. Additionally, there are reference dots spaced every 1 Mil down to 10 Mils, allowing for hold-offs and shot corrections. Shown at 8x magnification.

# **RETICLES CONTINUED**

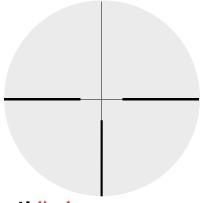


# Forceplex<sup>™</sup> New!

A modified version of the traditional crosshair fourplex reticle, ideal for virtually any hunting environment.

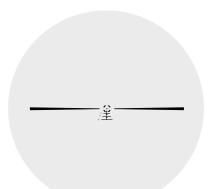
A clean field of view lets you see as much as possible, while the bold lines quickly bring your eye to center.

Available in select SHV<sup>TM</sup> riflescopes, North America only.



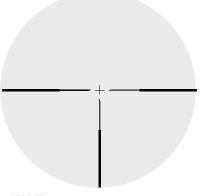
### 4A New!

Posts at the 3, 6 and 9 o'clock positions bring the eye quickly to the target without cluttering the field of view, a classic style popular with European hunters for more than a century. Available in select SHV™ riflescopes, international markets only.



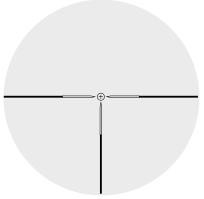
# FC-3G™

Created for our 1-4 x 24 NXS™ and optimized for 5.56 NATO and 7.62 NATO cartridges in 16" barrels, the FC-3G™ is fast and accurate on targets both close and distant. A segmented circle and center dot pair nicely when speed matters, while a 600-yard holdover tree works well at extended ranges.



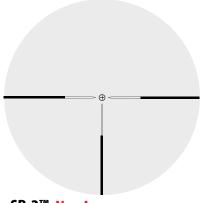
# IHR™

IHR stands for International Hunting Reticle. It's uncluttered and fast, effective at both close quarters and at longer ranges on smaller targets. A floating center crosshair provides simple holdoff capability while posts at 3, 6 and 9 o'clock bring the eye quickly to center.



### SR-1™

Designed exclusively for our Competition™ SR Fixed 4.5 x 24, it features a 12 MOA center circle with 8 MOA crosshairs. It provides a winning edge at CMP and NRA service rifle matches, while appearing familiar to iron sight shooters.



# SR-2™ New!

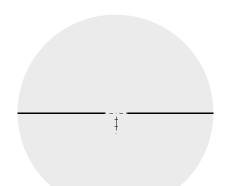
Like our Competition™ SR Fixed 4.5x24 riflescope, the SR-2™ reticle was created specifically for across-the-course/service rifle competition. Similar to the SR-1™ in configuration, the SR-2™ offers a smaller 10 MOA center circle and 6 MOA crosshairs.



# NP-2DD™

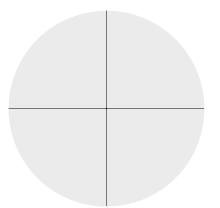
Unobstructed field of view and precise MOA reference markings serve the varmint hunter and benchrest competitor equally well. Simple and effective.





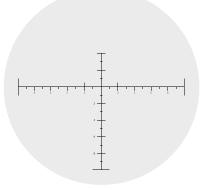
# DDR-2™

Ideal for the competition and varmint shooter. A .095 MOA floating center dot has bold lines to the side, there are vertical holdovers at .50, 1.0, 2.0 and 2.5 MOA below center; and a 3 MOA dot below center. Available in our Competition™ family.



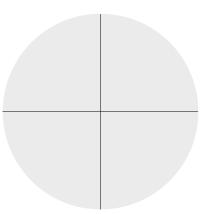
## CTR-2™

For those looking for a very fine line with center dot for target or precision shooting, the CTR-2 is your answer. The crosshairs are a very fine .016 MOA with a .095 MOA center dot. Available exclusively in our Competition™ family.



# FCR-1™

Originally developed with the help of the US F-Class rifle teams. It has .016 MOA lines and 1 MOA markings along the vertical and horizontal lines. Available exclusively in our Competition™ family.



# CTR-3™

The CTR-3<sup>™</sup> is the simplest reticle we offer, delivering uncluttered precision when needed. The line thickness is a fine .016 MOA and extends to the edges of the field of view.

Available exclusively in our Competition family.

# NIGHTFORCE ADJUSTMENT AND ILLUMINATION



Patented Nightforce ZeroStop® technology is a brilliant solution to an old problem: returning to your zero setting after extensive elevation adjustments.

After sighting in your rifle, simply set the ZeroStop® according to instructions, and you create a positive mechanical stopping point at your chosen zero point. No matter how many elevation adjustments you make, turning the elevation knob down to the ZeroStop® setting returns you to your original zero, completely by feel—even in total darkness or while wearing gloves. No counting clicks, no need for visual reference, no wasted effort. Just an instant return to zero. Every time.



ZeroHold™ is a low-profile mechanism utilized on several Nightforce riflescopes. It has a number of functions, primarily holding the elevation adjustment at zero until the ZeroHold™ button is depressed. ZeroHold™ allows an instant return to zero after making elevation adjustments, and also lets the shooter dial below zero.



ZeroSet<sup>™</sup> technology was created specifically for our SHV<sup>™</sup> 5-20 x 56 and 4-14 x 50 F1 riflescopes. It provides a quick and efficient means of returning to your zero setting, even after you've made several elevation adjustments. You will never have to "hunt" for your zero.



DigIllum™ digital reticle illumination technology is available in B.E.A.S.T.™, ATACR™ and select NXS™ models. It increases convenience and functionality in a single button control.

Choose the appropriate illumination setting for your lighting conditions—either red or green, in multiple intensities from very dim to extremely bright. You can then turn off illumination to save your battery. When you turn it back on, it defaults to your previously chosen setting, ensuring your night vision will not be adversely affected and that you're instantly ready for a shot.

Visit NightforceOptics.com for more information on setting and using our adjustment and illumination technology.



## THIS IS NO PLACE FOR AMATEURS.

## NIGHTFORCE MIL-SPEC RIFLESCOPES

Some optics companies slap "tactical" on an off-the-shelf consumer product and think that makes it suitable for professionals. It doesn't.

Nightforce MIL-SPEC riflescopes are purpose-built to exceed MIL-STD 810G requirements. For more than a decade, USSOCOM forces have relied upon Nightforce under the most brutal conditions imaginable. We build our riflescopes to be utterly rugged, reliable and repeatable... mission after mission, operation after operation.

Just like the professionals who use them.





The hole you see in the well-used Nightforce NXS™
3.5-15 x 50 riflescope at right was made by an enemy
7.62x39 round fired at a U.S. soldier. The bullet completely
penetrated the erector tube—the heart of the scope's
optical system. We're happy to report that the soldier was
not injured, and the only casualty was the riflescope's
magnification ring, frozen on 15x. Its focus, tracking, and all
other functions work just fine. It holds point of aim like new.

The soldier wrapped the riflescope in duct tape to keep out sand and dirt, and used it without a problem for the next three days, completing his mission.

We won't say they're bulletproof. There is at least one soldier, however, who would argue otherwise.





Nightforce offers custom configurations to meet the needs of the professional end user. Contact the Nightforce MIL/GOV/LE division for more information.

## PURPOSE-BUILT FOR THE PROFESSIONAL.

Professional marksmen that work in extreme long range situations rely on the unsurpassed technology, precision and optical clarity built into Nightforce riflescopes such as the  $ATACR^{TM}$  5-25 x 56 and the  $ATACR^{TM}$  7-35 x 56 F1. The ultimate in long-range tools, they allow the professional to fully concentrate upon the job at hand.

- All air-to-glass surfaces receive our proprietary broadband multi-coating, exceeding the toughest MIL-SPEC abrasion test.
- Mechanical components retain their integrity when exposed to extreme shock and vibration, such as full auto-fire, and explosive environments such as I.E.D. attacks.
- All critical optical elements are bedded in our proprietary MIL-SPEC bonding agent, reducing glass-to-metal contact.
- Tracking and dial accuracy, reticle tilt, maximum adjustment range, between-power deviation and adjustment backlash are held to tolerances unmatched by any other scope manufacturer.

- Every MIL-SPEC riflescope must pass a pressure test simulating an underwater depth of 100 feet, exceeding current U.S. military specifications by up to 25%.
- Pressure testing guarantees that all MIL-SPEC riflescopes are airtight, ensuring the integrity of internal components against the effects of rapid temperature and pressure fluctuations encountered by HALO (High Altitude, Low Opening) troop insertions, and covert waterborne insertions at submarine depth.
- Impact testing on multiple axes ensures that each riflescope can withstand battlefield abuse.
- Each MIL-SPEC riflescope is individually inspected and tested to guarantee consistency, repeatability and integrity at every stage of the manufacturing process.



"You can manufacture weapons
And you can purchase ammunition,
but you can't buy valor
And you can't pull heroes
off an assembly line."

—Sergeant John B. Ellery U.S. 1st Infantry Division

Inscribed at the Normandy American Cemetery Visitor Center, Colleville-sur-Mer, France

Above: Two of our newer riflescopes created to maximize the versatility provided by first focal plane reticle placement. Offered with .250 MOA or .1 Mil Radian adjustments and proprietary Nightforce reticles, as well as the Horus H59 and TReMoR3. The 4- $16 \times 42 F1$  is streamlined and compact, adaptable to a wide range of weapons platforms. Our ATACR $^{\text{TM}}$  1- $8 \times 24 F1$  provides a field of view at 1x comparable to open sights, while at 8x it easily identifies and engages targets at the maximum effective range of most rifles.

## AWARD-WINNING SPOTTING SCOPES THAT KEEP UP WITH OUR RIFLESCOPES.



The TS-82™ is offered with straight or angled eyepieces.

An extensive line of accessories is available for the TS-82™ including rugged, handsome carrying cases and heavy duty protective sleeves.

Magnification range
Objective diameter
Lens coatings

Main body material
Weight (oz.)
Waterproof
Nitrogen purged

Focus
Focus rotations, 6 m to ∞

Eyecup

Tripod platform Armoring

Protective caps

Tripod thread: Standard eyepiece Optional eyepiece

Coating
Exit pupil
Eye relief
Field of view

TS-82™

20-70x standard

Fully broadband multi-coated

Magnesium alloy 63 (approx.)

Yes Yes

s Barrel

1 3/4 turns

Twist-up, removable Magnesium

Full rubber

Removable eyepiece and

objective lens covers 1/4-20

20-70x 30-60x wide angle

Fully broadband multi-coated

4.10–1.17 mm 18 mm

20x: 12.3 ft @ 100 yds 70x: 4.9 ft @ 100 yds TS-80™

20-60 x (non-removable)

80mm

Fully broadband multi-coated

Magnesium alloy

68 Yes Yes Barrel

Two

vable Twist-up, removable

Magnesium Full rubber

Removable eyepiece and objective lens covers

1/4-20 20-60x NA

Fully broadband multi-coated

4.00–1.33 mm 18.5 mm

20x: 10.5 ft @ 100 yds 60x: 5.7 ft @ 100 yds Our TS-82™ Xtreme Hi-Def™ 20-70x spotting

scope meets—and exceeds—the quality, resolution, brilliance, and fidelity of the world's most well-known, most highly respected European spotting scopes, many of which come with much higher price tags.

HD fluorite glass, found in only the very finest spotters, provides the truest, most brilliant color and razor-sharp resolution.

If you have never used a world-class spotting scope, you are in for an eye-opening experience. Literally.

The TS-80™ Hi-Def™ 20-60x offers a combination of value and performance you simply won't find elsewhere. Lenses of premium ED glass provide bright, crisp images. Its superior optical design results in excellent light transmission. And, like all Nightforce products, it stands up to the harshest of field conditions.

TS-80™ HI-DEF™

20-60x

You'll enjoy optical performance you must see to fully appreciate...at a price you'll appreciate every day.

*Visit NightforceOptics.com for more information.* 

## THE NIGHTFORCE TRIPOD:

## **HOW MANY THINGS CAN IT DO?**



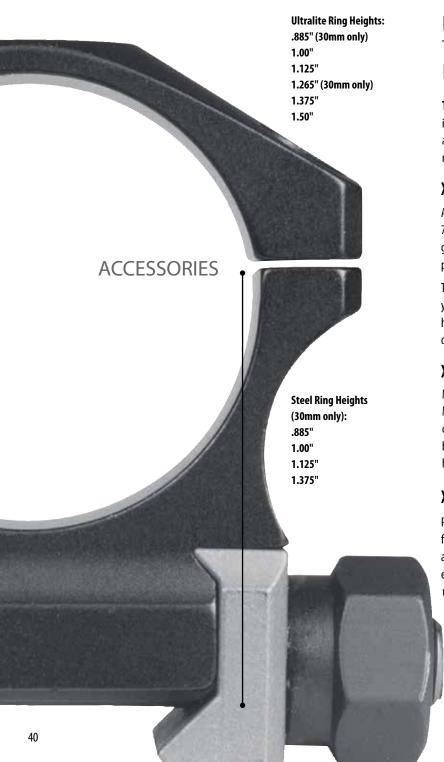
We designed our professional-quality tripod as the perfect platform for our spotting scopes. But that was just the start. Why not, we thought, also make it an ideal shooting rest? And why not allow it to be quickly transformed into a monopod? What if the legs could morph into sturdy, adjustable trekking poles?

Let's build it of carbon fiber, the most advanced, durable, lightweight material available.

It is the most complete system ever developed for the hunter, shooter, hiker, photographer, and videographer.







# NIGHTFORCE RINGS & BASES: THE ONLY WAY TO IMPROVE A NIGHTFORCE RIFLESCOPE.

The finest riflescope in the world is only as good as its mounts. Using inferior mounts is simply asking for trouble, as they can cause stress and alignment problems that are extremely difficult to diagnose. Large-caliber rifles producing heavy recoil can also wreak havoc on poor-quality mounts.

## X-Treme Duty™ Ultralite™ Rings

Available in both four-screw and six-screw versions. Crafted of machined 7075-T6 hard anodized aluminum, with titanium crossbolts and jaws, they give you the performance of steel at half the weight. This unique construction provides strength well beyond that normally found in lightweight rings.

The four-screw ring will provide a lifetime of service for most applications. If you think you need 50% more clamping force, the six-screw Ultralite rings will hold your riflescope under any conceivable situation. Our Ultralite™ rings are offered in six heights for 30mm tubes and four heights to fit 34mm tubes.

## X-Treme Duty™ Steel Rings

Made to our own stringent, uncompromising specifications. Designed to fit Mil. Std. 1913 bases, we machine a load-bearing recoil lug on the grade eight crossbolt. This lug precisely matches the machined cross lug of our Nightforce bases, providing perfect alignment and superior accuracy. Offered in four heights for 30mm diameter tubes.

# X-Treme Duty™ Steel Bases

Precision CNC machined to exact Mil. Std. 1913 specification rail dimensions from a single billet of steel. They match the receiver contour, ensuring straight and true alignment. Scallops on the side will not interfere with loading or extraction. Remington 700 and Win 70 bases include an integral recoil lug machined into the bottom. This provides

a precise fit, prevents movement of the base and eliminates recoil stress on mounting screws. Standard with a 20 MOA taper, with a 40 MOA taper available for Remington 700 bases. Two-piece configurations are available for Remington and Savage actions.



30mm Ultralite™ four-screw



30mm Ultralite™ six-screw



34mm Ultralite™ four-screw



34mm Ultralite™ six-screw



With fewer moving parts, the X-Treme Duty™ Nightforce Direct Mount™ is more reliable and up to 45% lighter in weight than traditional mounting systems. It is, guite simply, the finest mount for Remington 700 actions ever made.

The Direct Mount™ one-piece system, built to mount directly to Remington 700 short or long actions, ensures true alignment and maximum strength for precision shooting.

The base and integral rings are CNC machined to precise tolerances from 7075-T6 hard anodized

aluminum, providing exceptional strength while reducing weight.

The Direct Mount's 20 MOA taper maximizes internal riflescope adjustment and long-range capability. It incorporates an integral recoil lug which prevents any movement of the base or stress on the screws while subjected to harsh recoil.

The Nightforce Direct Mount™ eliminates most common mounting problems. Alignment concerns vanish, and there is no need for lapping or cants. The entire mounting process is simpler and faster.





Integral recoil lugs provide rock-solid security on Mil. Std. 1913 receivers.

The Ultralite™ Extended Unimount™ is designed for shorter receivers and can provide additional eye relief.



When a tough, reliable mounting system is required without adding substantial weight, the Nightforce Ultralite™ Unimount™/Magmount™ is the answer. It features a CNC machined 7075-T6 hard anodized aluminum body and titanium beta series crossbolts and jaws.

This unique design and construction provides the performance of steel at half the weight.

The Nightforce Unimount™/Magmount™ is designed to remain attached to the scope at all times, allowing guick removal and installation on different firearms. Unimounts<sup>™</sup> and Magmounts<sup>™</sup> are available for 30

and 34mm riflescopes, and feature a 20 MOA taper (Magmounts are also available with a zero degree

taper). The Unimount™/Magmount™ is the ultimate mount for attaching to weapons with an integral Mil. Std. 1913 flat top-type receiver.

Precise tolerances ensure that the riflescope is not subjected to stress, strain, or bending as the ring screws are tightened.







The Ultralite™ Magmount™ (30mm & 34mm) and Compact Magmounts™ (34mm only) add a third crossbolt for even greater protection against recoil. Their 1.44" height allows clearance of 56mm objective riflescopes when mounted on a continuous rail.

# Standard Duty Rings .90" 1.00" 1.25" 1.50"

## **Standard Duty Rings**

An ideal combination of durability and value. Straightforward two-screw design simplifies installation and requires less front-to-back space, for applications where installation choices are limited. The positive locking jaw design and machined recoil lug provide perfect alignment for superior accuracy when mounted to Mil. Std. 1913 bases. Offered in four heights for 30mm diameter tubes. An excellent mounting solution when partnered with a Standard Duty or X-Treme Duty™ base.

## **Standard Duty Bases**

Nightforce Standard Duty bases are a quality, affordable solution for ensuring that your scope is firmly mounted to your rifle.



8400 • Mauser 98 Large Ring • NEF/HNR Handi Rifle

Remington 700 & XP100 • Ruger American • Ruger 10/22 • Savage Round & Flat Actions Savage Mk II, 64 & 93 Rimfire • T/C Contender & Encore • Tikka T3 & 595 • Weatherby Vanquard & MkV • Winchester 70 & 52 Target

## RAP™

Our Ruggedized Accessory Platform (RAP) provides four inches of rail space above your riflescope for mounting of lasers, illumination tools or other accessories. The RAP is optimized to withstand heavy recoil and still maintain zero with even delicate accessories or sensors. Designed to fit four- and six-screw X-Treme Duty™rings and Unimounts.™



# MultiMount™

Nightforce Gunsmith Bases (steel or aluminum alloy)
These
Mil. Std. 1913
base blanks allow you
to customize the length, height,
radius and hole spacing to your specific
application. Standard taper is 20 MOA.

**Rings and bases are the critical link** between great optics and a great rifle. Many shooters try to save a few dollars on their mounts, then wonder why they their rifle and scope aren't performing as hoped. An investment in quality mounts will repay you many times over.

The Nightforce MultiMount™ was originally designed as a platform for close-range sights to be mounted in conjunction with a primary riflescope. In practice, the MultiMount offers a user-configurable system that is rock-solid for nearly any accessory that will fit. Designed to fit 4- and 6-screw X-Treme Duty™ rings. Two Mil. Std. 1913 rails included.



## ANGLE DEGREE INDICATORS

## **BUBBLE LEVELS**



## **Nightforce Angle Degree Indicator with Mount**

The Nightforce Angle Degree Indicator takes the guesswork out of uphill and downhill shots. Calibrated in degrees, it gives you an instant readout. It is available in two versions: (1) a two-piece, low-profile Mil-Std. 1913 mount for one-piece bases that allows easy installation without removing the scope (shown below); and (2) as part of our 30mm top ring bubble level system (above). It is simple, robust, and requires no batteries. Available in right-hand or left-hand rifle action configurations.



# **Top Ring Bubble Level/ADI**

Replaces the top ring of our 30mm and 34mm Unimount™, Direct Mount™, Magmount™ and Ultralite™ rings and our 30mm steel rings. Available with integral Angle Degree Indicator mount or as top ring/bubble level only.



The Bubble Level with integral ADI mount (A129) can be turned either way for left- or right-handed actions. The ADI itself must be ordered separately for left-handed (A119) or right-handed (A122) actions to ensure accurate readouts.



Top ring Bubble Level shown installed.



Bubble Level with ADI mount.



Bubble Level, ADI mount and ADI installed (sold separately).



Top Ring Bubble Level/ADI mounts are also available for 34mm Xtreme Duty™ Accessories.



## **ACCESSORIES**



**Nightforce Torque Wrench** 

The perfect tool to ensure tightening components to recommended specifications. Equal to 68 inch/lbs.

Nightforce Clamp-On PTL™

Our Power Throw Lever fits

and non-enhanced Compact

Nightforce NXS™ full size

models, plus ATACR<sup>™</sup> and

SHV™ riflescopes. It allows instant magnification changes, even while wearing gloves.

**Nightforce Cleaning Kit** 

case includes everything

12-piece kit in handy carrying

you need for proper care and

cleaning of fine optics. Highly

recommended to protect your

Easily removed.

investment.



Nightforce Flip-Up **Lens Caps** 

Protects your riflescope lenses from damage and weather, without interfering with auick shots.



**Lens Covers and Sunshades** 

Sunshades reduce glare, while



lens covers provide maximum protection while transporting your rifle and riflescope.



## **Nightforce Tool Kit**

10-piece kit in rugged storage case includes torque limiters. bits, and drive tools to allow adjustment of mounting screws and components to recommended torque settings. Helps avoid over- and undertightening which can damage riflescopes and affect accuracy.





### **Carrying Case**

Carries your spotting scope and accessories. Available individually or as a kit that includes spotting scope, eyepiece, protective sleeve, cleaning kit, fob lens cloth, and grommet kit.



#### **Heavy-Duty Sleeves**

Add protection to your spotter without compromising functionality.



30-60 x Wide Angle Eyepiece

Wider field of view allows easy tracking of moving animals and birds. (TS-82<sup>™</sup> only)



Mil-Std. 1913 Rail

Allows attachment of a wide range of accessories.



Visit NightforceOptics.com for complete information on all our accessories...an investment in accuracy.

## **About Nightforce Warranties**

All Nightforce riflescopes are covered by a transferable Limited Lifetime Warranty, which says in simple words, if we did something wrong, we'll fix it. Some manufacturers will tempt you with warranties that will replace your riflescope for any reason. We prefer to build Nightforce riflescopes properly in the first place to last a lifetime free of problems. A warranty is no substitute for inherent quality. We believe the best warranty is the one you won't have to use.

## NIGHTFORCE IN THE FIELD





Training, Gunwerks style

Nightforce team members Cody Beck, Daegan Bowman and Chad Tondevold hone their skills at Gunwerks. They're shooting Gunwerks 6.5 Creedmoor rifles topped with Nightforce ATACR™ 5-25x riflescopes. Nightforce TS-82™ spotting scopes track their groups.



Wayne lies down on the job

Nightforce's own Wayne Dayberry shot with Team Virginia at the 2017 F-Class World Championships. Wayne's team shot a perfect 300-36v score at the 700 meter line.



Sean shoots to win

Nightforce Commmercial Training and Events Manager Sean Murphy touches one off at the 2017 Competition Dynamics Team Challenge. Course of fire included rifle, carbine and pistol. Nightforce ATACR™ riflescopes were the optics of choice which led to a first-place finish.



Ashley gets her goat

Our Ashley Kerr took this fine Wyoming pronghorn using a Gunwerks Magnus rifle in 6 Creedmoor paired with a Nightforce ATACR™ 5-25x.



Debbie handles a nifty fifty

Nightforce's Debbie Spratlin zeroes in a Barrett M107A1 .50 BMG equipped with an ATACR $^{\text{TM}}$ 7-35 x 56 riflescope.



#### Alan's over a barrel

North American Sales Manager Alan Stilwell steadies himself at a 22LR PRS match. He's shooting a custom Anschutz 1416 18" Trainer equipped with a Silencerco Sparrow™ suppressor and *Nightforce ATACR*  $^{\text{m}}$  *7-35 x 56 F1 with T3 reticle.* 



## Brandon's getting big bucks

Brandon Roper took time off from his duties at Nightforce to take this excellent mule deer in the high country of Colorado in November, 2017. He used a Gunwerks rifle in 7mm Rem Mag, shooting HSM Trophy Gold ammunition with Berger 180 VLD hunting bullets. An Atlas bipod helped prevent buck fever.



#### Allissa's first bull

Allissa Daniels, wife of Nightforce Operations Manager Jesse Daniels, harvested this monster 6x6 elk at 525 yards with her MOA Rifles 7mm RUM topped with an ATACR™ 5-25 x 56. Jesse kept a sharp eye on the bull with a TS-80<sup>™</sup> spotting scope, allowing them to get into position for the best shot possible.

# CDECIFIC ATIONIC

5								†North America ◆ International			
Elevation feature	<b>ZeroStop</b>	ZeroStop Optional	ZeroStop'	<b>ZeroStop</b> *	ZeroStop'	<b>ZeroStop</b>	<b>ZeroStop</b>	Capped, finger-adjustable	Capped, finger-adjustable	ZeroSET	
Illumination	Daylight visible	External adj	Digillum	Analog	Analog	Analog	Analog	Non-illuminated	Optional	Analog	
							IVIIL-DUI		mummatea		
			IVIIL-K		MIL-DOI	MIL-DOT	MIL-R™ MIL-DOT		* Non-Illuminated ** Illuminated		
			MIL-DOT MIL-R™	MIL-DOT	MIL-R <sup>····</sup>	MIL-R™ MIL DOT	NP-2DD™ MIL D™	IVIUAK	MOAR™ * Non Illuminated		
	FC-MOA	IHR™	MOAR™ MULDOT	MIL-R™	MUAK-I MIL-R™	MOAR-T		4A* MOAR™	4A <sup>◆</sup>	MIL-R™ (F1)	
Reticles available	FC-MIL	FC-3G™		MOAR™ MIL D™	MOAR-T	MOAR™ MOAR T	MOAR™ MOAR-T™	Forceplex™† 4A◆	Forceplex™†	MOAR™ (F1)	
PTL (Power Throw Lever)		Standard	Standard IHR™	Accessory	MOAR™	Accessory MOAD™	Accessory		Accessory	<u> </u>	
Mounting length (inches/mm)	5.7/144 Standard	5.4/137 Standard	5.1/130 Standard	6.1/155	Accessory	6.6/168	6.7/170 Accessory	5.1/130 NA	5.79/147	6.2/157 Accessory	
Manustina Langeth Conduction	F 7/144	F 4/127	E 1/120	6 1/155	6.6/168	6 6/160	6.7/170	E 1/120	28.5/808**	6 3/157	
Weight (ounces/grams)	17 /482	17/482	20.5/581	30 /850	31/879	32/907	34/964	20.8/590	26.9/763*	30/850	
Overall length (inches/mm)	8.75/222	8.8/224	11.9/302	14.7/373	15.1/384	15.2/386	15.9/404	11.6/295	14.8/376	14.8/390	
Eyepiece outer diameter	40 mm	40 mm	40 mm	43 mm	43 mm	43 mm	43 mm	40 mm	43 mm	43.6 mm	
Tube diameter (mm/inches)	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	
Parallax adjustment	Fixed 125 m	Fixed 75 yd	25 yd–∞	50 yd–∞	50 yd-∞	50 yd-∞	50 yd–∞	25 yd–∞	25 yd–∞	25 yd–∞	
	.2 MIL-RADIAN		.1 MIL-RAD	.1 MIL-RAD	.1 MIL-RAD	.1 MIL-RAD	.1 MIL-RAD			.1 MIL-RAD	
Click value	.50 моа	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	
	w: 30 mil-radian		w: 27 mil	w: 22 mil	w: 16 mil	w: 16 mil	w: 12 mil			w: 19 mil	
	e: 30 mil-radian		е: 27 міг	е: 30 міг	е: 27 міг	е: 27 міг	е: 18 міг			е: 27 міг	
	w: 100 moa	w: 100 моа	<b>w</b> : 100моа	w: 80 moa	w: 60 моа	w: 60 moa	w: 45 moa	w: 80 моа	<b>w</b> : 70 моа	w: 70 moa	
Internal adjustment range (MOA/Mil)	е: 100 моа	е: 100 моа	е: 100 моа	е: 110 моа	е: 100 моа	е: 100 моа	е: 65 моа	е: 90 моа	е: 100 моа	е: 90 моа	
Eye relief (mm/inches)	95.3/3.75	90/3.5	88/3.5	99/3.9	95/3.7	99/3.9	98/3.8	88 3.46	90 /3.54	80/3.15	
	8x: 4.4 m	4x: 7.6 m	10x: 3.4 m	15x: 2.2 m	22x: 1.4 m	22x: 1.4 m	32x: 1 m	10x: 3.4 m	14x: 2.23 m	14x: 2.25	
	1x: 32.3 m	1x: 30.5 m	2.5x: 13.4 m	3.5x: 8.4 m	5.5x: 5.3 m	5.5x: 5.3 m	8x: 3.7 m	3x: 10.6 m	4x: 7.59 m	4x: 7.65 m	
	8x: 13.2 ft	4x: 25 ft	10x: 11 ft	15x: 7.3 ft	22x: 4.7 ft	22x: 4.7 ft	32x: 3.1 ft	10x: 11 ft	14x: 7.3 ft	14x: 7.4 ft	
Field of view @100 yards/100 meters	1x: 106 ft	1x: 100 ft	2.5x: 44 ft	3.5x: 27.6 ft	5.5x: 17.5 ft	5.5x: 17.5 ft	8x: 12.1 ft	3x: 34.9 ft	4x: 24.9 ft	4x: 25.1 ft	
	8x: 3.0 mm	4x: 6.0 mm	10x: 4.4 mm	15x: 3.6 mm	22x: 2.3 mm	22x: 2.5 mm	32x: 1.8 mm	10x: 4.4 mm	14x: 3.6 mm	14x: 3.3 mm	
Exit pupil diameter	1x: 7.9 mm	1x: 16 mm	2.5x: 15.5 mm	3.5x: 14.3 mm	5.5x: 9.1 mm	5.5x: 10.2 mm	8x: 7.0 mm	3x: 10.7 mm	4x: 12.0 mm	4x: 10.8 mm	
Objective outer diameter	30 mm	30 mm	50 mm	59 mm	59 mm	65 mm	65 mm	50 mm	65 mm	59 mm	
Focal plane	First	Second	Second	Second	Second	Second	Second	Second	Second	First	
SPECIFICATIONS	NX8 <sup>7m</sup> 1-8 x 24 F1	NXS <sup>TM</sup> 1-4 x 24	NXS <sup>TM</sup> 2.5-10 x 42	NXS <sup>TM</sup> 3.5-15 x 50	NXS <sup>TIN</sup> 5.5-22 x 50	NXS <sup>Tm</sup> 5.5-22 x 56	NXS <sup>™</sup> 8-32 x 56	SHV <sup>m</sup> 3-10 x 42	SHV <sup>m</sup> 4-14 x 56	SHV <sup>™</sup> 4-14 x 50 F1	
SPECIFICATIONS					WWW.				100		

SHV <sup>™</sup> 5-20 x 56	ATACR™ 1-8 x 24 F1	ATACR <sup>1m</sup> 4-16 x 42 F1	ATACR*** 4-16 x 50	ATACR*** 5-25 x 56	ATACR <sup>1m</sup> 5-25 x 56 F1	ATACR <sup>1m</sup> 7-35 x 56 F1	B.E.A.S.T. <sup>m</sup> 5-25 x 56 F1	Benchrest 8-32 x 56	Benchrest 12-42 x 56	Competition™ Fixed 4.5x	Competition <sup>™</sup> Fixed 42x	Competition <sup>m</sup> 15-55 x 52
Second	First	First	Second	Second	First	First	First	Second	Second	Second	Second	Second
65 mm	34 mm	50 mm	59 mm	65 mm	65 mm	64 mm	65 mm	69 mm	69 mm	30 mm	53 mm	61 mm
5x: 8.7 mm	1x: 11.26 mm	4x: 10.3 mm	4x: 9.5 mm	5x: 10.52 mm	5x: 8.3 mm	7x: 6.0 mm	5x: 8.3 mm	8x: 5.6 mm	12x: 4 mm	5.3 mm	1.05 mm	15x: 3.54 mm
20x: 2.5 mm	8x: 3.19 mm	16x: 2.7 mm	16x: 3.17 mm	25x: 2.28 mm	25x: 2.3 mm	35x: 1.6 mm	25x: 2.3 mm	32x: 1.7 mm	42x: 1.4 mm			55x: .93 mm
5x: 17.9 ft	1x: 96.1 ft	4x: 26.9 ft	4x: 26.9 ft	5x: 17.96 ft	5x: 18.7 ft	7x: 14.97 ft	5x: 18.7 ft	8x: 9.4 ft	12x: 6.7 ft	23.2 ft/7.07 m	2.87 ft	15x: 6.91 ft
20x: 5.0 ft	8x: 13.1 ft	16x: 6.9 ft	16x: 6.9 ft	25x: 4.92 ft	25x: 4.9 ft	35x: 3.44 ft	25x: 4.92 ft	32x: 3.1 ft	42x: 2.3 ft		0.87 m	55x: 1.83 ft
5x: 5.46 m	1x: 29.3 m	4x: 8.1 m	4x: 8.2 m	5x: 5.47 m	5x: 5.7 m	7x: 4.96 m	5x: 5.7 m	8x: 2.9 m	12x: 2 m			15x: 2.10 m
20x: 1.52 m	8x: 4.0 m	16x: 2.1 m	16x: 2.1 m	25x: 1.5 m	25x: 1.5 m	35x: 1.05 m	25x: 1.45 m	32x: 1 m	42x: 0.7 m			55x: 0.55 m
90/3.54	95/3.74	90/3.54	89/3.5	90 /3.54	90/3.54	91/3.58	90/3.54	75/2.9	75/2.9	95/3.74	88/3.46	90/3.54
е: 80 мол	е: 30 міг	е: 89 моа	е: 110 моа	е: 120 моа	е: 120 моа	е: 100 мол	е: 120 моа	е: 50 моа	е: 40 моа	е: 100 моа	е: 45 моа	е: 55 моа
w: 50 moa	w: 30 mil	w: 60 моа	w: 60 моа	w: 60 moa	w: 80 моа	w: 60 моа	w: 80 моа	w: 50 moa	w: 40 моа	w:100 моа	w: 35 moa	w: 50 moa
		е: 26 міг	е: 30 міг	е: 35 міг	е: 35 міг	е: 27 мі	е: 35 мі					
		w: 18 mil	w: 16.4 mil	w: 17 mil	w: 24 mil	w: 17 mil	w: 23 mil					
.250 моа	.1 міг	.250 моа	.250 моа	.250 моа	.250 моа	.250 моа	.50 and .250 моа	.125 моа	.125 моа	.250 моа	.125 моа	.125 моа
		.1 MIL	.1 міг	.1 MIL	.1 MIL	.1 MIL	.2 and .1 MIL					
25 yd–∞	Fixed 125 m	45 yd-∞	45 yd-∞	45 yd–∞	45 yd–∞	11 yd–∞	45 yd-∞	25 yd–∞	25 yd–∞	Fixed 200 yd	10.9 yd–∞	25 yd-∞
30 mm/1.18	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	34 mm/1.34	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18	30 mm/1.18
43 mm	46 mm	45 mm	45 mm	44 mm	46 mm	44 mm	46 mm	43 mm	43 mm	33 mm	43 mm	43 mm
15.2/386	10.06/256	12.6/320	13.1/333	14.3/363	15.37/390	16/406	15.37/390	16.6/422	17/432	9.9/251	15.2/386	16.2/411
29.1/825*	21/595	30/850	33.3/944	39/1108	37.6/1066	39.26/1113	40/1134	36/1021	36/1021	15.4/437	20.7/587	27.87/790
30.5/865**												
6.5/165	5.67/144	6.3/160	6.32/161	6.13/156	5.9/150	6.5/165	5.92/150	5.5/140	5.9/150	F: 79mm R: 59mm	6.2/157	6.4/162
Accessory	Standard	Standard	Standard	Standard	Standard	Standard	Standard	NA	NA	NA	NA	NA
Forceplex <sup>™</sup> †	FC-DM	MOAR™ (F1)	MOAR™	MOAR™	MOAR™ (F1)	MOAR™ (F1)	MOAR™ (F1)	NP-R2™	NP-R2™	SR-1™	CTR-2™	CTR-2™
4A◆		MIL-R™ (F1)	MIL-R™	MOAR-T™	MIL-R™ (F1)	MIL-R™ (F1)	MIL-R™ (F1)	NP-2DD™	NP-2DD™	SR-2™	CTR-3™	CTR-3™
MOAR™		MIL-C™		MIL-R™	MIL-C™	MIL-C™	H59™					DDR-2™
* Non-Illuminated		H59™			H59™	TReMoR3™	TReMoR3™					FCR-1™
** Illuminated		TReMoR3™			TReMoR3™							
 Optional	Daylight visible	Digillum	Digillum	Digillum	Digillum	Digillum	Digillum	Analog	Analog	Non-illuminated	Non-illuminated	
Zero SET	Capped, finger-adjustable	Zero HOLD	<b>ZeroStop</b>	<b>ZeroStop</b> <sup>*</sup>	ZeroStop <sup>*</sup>	ZeroStop <sup>®</sup>	<b>ZeroStop</b>	Capped, finger-adjustable	Capped, finger-adjustable	<b>ZeroStop</b>	Finger-adjustable	<b>ZeroStop</b> '

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