Extreme Performance





Magnification	3.5-15X	3.5-15X	5.5-22X	8-32x56	12-42x56
Objective Diameter	50mm	56mm	56mm	56mm	56mm
Exit Pupil Diameter	14.3 mm @ 3.5x 3.6 mm @ 15x	14.5 mm @ 3.5x 4.0 mm @ 15x	10.2 mm @ 5.5x 2.5 mm @ 22x	7.0 mm @ 8x 1.75 mm @ 32x	4.7 mm @ 12x 1.3 mm @ 42x
Field Of View At 100 Yards	27.6 feet @ 3.5x 7.3 feet @ 15x	27.6 feet @ 3.5x 7.3 feet @ 15x	17.5 feet @ 5.5x 4.7 feet @ 22x	12.1 feet @ 8x 3.1 feet @ 32x	8.2 feet @ 12x 2.4 feet @ 42x
Eye Relief	96 mm / 3.780 inches	96 mm / 3.780 inches	95 mm / 3.740 inches	90 mm / 3.540 inches	90 mm / 3.540 inches
Internal Adjustment Range	Elevation 110 moa Windage 80 moa	Elevation 110 moa Windage 80 moa	Elevation 95 moa Windage 60 moa	Elevation 65 moa Windage 45 moa	Elevation 45 moa Windage 35 moa
Click Value	.250 moa	.250 moa	.250 moa	.250 moa	.250 moa
Tube Diameter	30 mm / 1.18 inches	30 mm / 1.18 inches	30 mm / 1.18 inches	30 mm / 1.18 inches	30 mm / 1.18 inches
Ocular Lens Diameter	36 mm	36 mm	36 mm	36 mm	36 mm
Overall Length	14.685 inches	14.842 inches	15.2 inches	15.9 inches	16.125 inches
Weight	30 ounces	31 ounces	32 ounces	34 ounces	34 ounces
Mounting Length	6.13 inches	5.826 inches	6.6 inches	6.68 inches	6.94 inches
Available Reticles	All NP Reticles MIL-DOT	All NP Reticles MIL-DOT	All NP Reticles MIL-DOT CH-1,2,3	All NP Reticles MIL-DOT CH-1,2,3	All NP Reticles MIL-DOT CH-1,2,3

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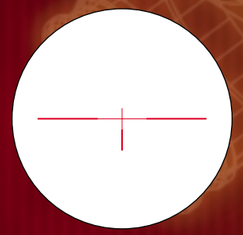
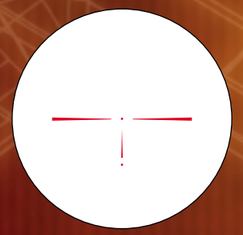
(208) 476-9814 tel • WWW.NIGHTFORCEOPTICS.COM


NP-1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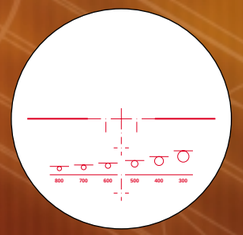
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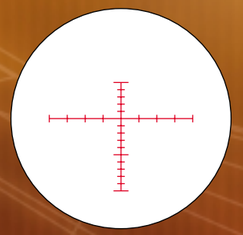
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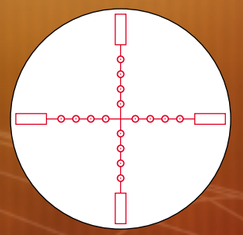
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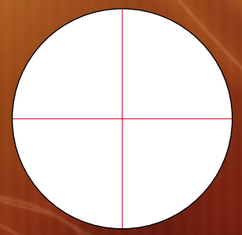
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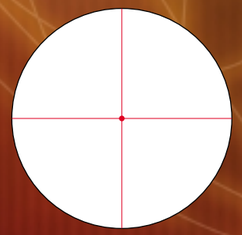
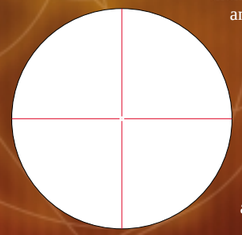

CH-2


CH-3

Nightforce Precision Optics — dedicated to producing the world's finest riflescopes — presents NXS. Nightforce research and development teams, located in Kent Washington, design technically advanced riflescopes to perform in uncompromising situations. Our efforts have culminated in NXS… Nightforce Extreme Scope.

Extensive research and testing, focused on building the ultimate instrument for the application, has yielded standards in manufacturing and quality control, never before seen in the riflescope industry. Every Nightforce scope receives 100% individual inspection and must pass vigorous testing prior to shipment. Riflescope performance, achieved through cutting edge technology and advanced mechanical designs is unparalleled in the industry.

We begin with the production of lens elements from high density optical glass with precise refractive and dispersion qualities. Lenses are then shaped and polished using state-of-the-art equipment. The riflescope's objective lens dictates resolution, light transmission and exit pupil size. To best maximize these parameters every Nightforce objective lens assembly consists of a triple element design like those found in extremely high quality telescopes. This type of lens system focuses light rays more precisely for exceptional image clarity while also providing superior color correction.

Optical elements are further optimized by our vacuum lens coating process. All air-to-glass surfaces receive a proprietary four-layer broadband multi-coating.

This improves lens efficiency by eliminating surface reflections, improving light transmission and image contrast. Nightforce's unique coating materials maintain tolerance limits of 1/4 wave deposition or 0.000005" and exceed the toughest Mil-Spec abrasion test. All this enables Nightforce designers to stretch the limits of light management in the development of optical systems, while maintaining consistently superior optics. The customer will easily discover the performance advantages in low light or twilight conditions.

Nightforce riflescopes are designed to perform under the worst imaginable conditions. Exceptional attention to detail is given to the mechanical design and assembly. All preproduction riflescope models have undergone an extensive battery of tests in validating the design prior to manufacturing. During the testing process riflescopes are subjected to extreme environmental torture tests. Nightforce NXS riflescopes are tested to three atmospheres or 66 feet of water. Thermal stability is tested by freezing the scopes in a nitrogen atmosphere to -80º F and then heated to 250º F in a one-hour period. Function is checked at both temperature extremes. Recoil and impact is tested at 1,200 Gs for both positive and negative forces.

Materials used in the construction of Nightforce scopes provides the armor for the optical system. Although Nightforce scopes tend to be slightly heavier than other manufacturers, this is directly related to the longevity and overall quality of the components used. For example the thickness of the tube body of Nightforce scopes is two to three times thicker than most any other riflescope. This adds to the thermal stability which aids in maintaining a consistent zero and reduces deformation of internal components, thus improving tracking and repeatability. Optical elements are retained in a machined cell of 6061-T6 aircraft grade aluminum, then hand bedded with a proprietary Mil-Spec bedding compound and cured at 300º F for 24 hours. All lenses are then further secured by lock rings both fore and aft. This zero tolerance lens securing method is unique to the Nightforce riflescope line assuring no possible movement of the optical elements from impact in any direction including side impact. Surface hardened brass silicon bronze (BSB), high strength steel and technically advanced dry film lubricants are predominately used in the manufacturing of our erector tube and adjustment assemblies. These core components promote exceptional wear resistance.

Nightforce riflescopes provide the essential tool required for those demanding total performance.