STYRKA™

S7 SERIES

Riflescope

Warranty

It's all about the experience! At STYRKA, we strive to make sure your experience in the field is a great one. And we stand behind our products to do just that.

That's why the STYRKA Pride Warranty is so simple. In the event of damage or malfunction, we will repair or replace your STYRKA product free of charge. No questions asked. No registration required. No receipt needed. No matter who bought it. The only caveat? The warranty doesn't cover theft, loss or intentional damage.

It gets better. Send us your STYRKA product and we'll clean and tune it up once per year. Regular maintenance helps keep your STYRKA performing like the day you bought it.

Again, it's all about the experience, and we want yours with STYRKA to be the best.

Service and Repair

If warranty problems arise or repairs are necessary, contact the STYRKA customer service department at 1-844-211-6915. We promise prompt attention and service, as we understand the importance of optics to your hunting experience. And, we take pride in providing not only outstanding products, but excellent service as well.

STYRKA

S7 SERIES

Riflescope

STYRKA S7 Series Riflescope

Thank you for purchasing your STYRKA S7 Riflescope. We are certain this riflescope will provide you with years of enjoyment and faithful service in the field. Please read the instructions carefully before using your riflescope to ensure proper use and care.

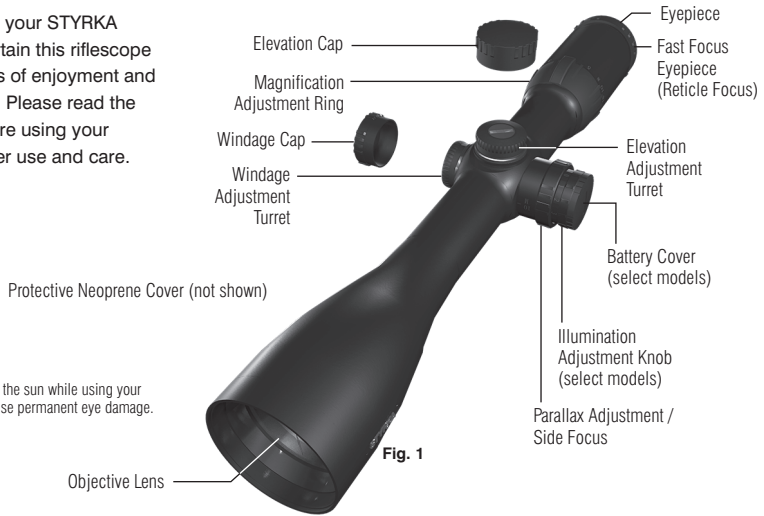


Fig. 1

⚠ WARNING: Never look at the sun while using your riflescope. Looking at the sun can cause permanent eye damage.

Reticle Focal Plane

All riflescope reticles can be defined as being either first focal plane (FFP) or second focal plane (SFP). This is determined by the internal location of the reticle in the riflescope. STYRKA S7 Riflescopes are all of second focal plane design and located behind the erecting lenses and nearer to the eyepiece. This type of reticle does not change in size as magnification increases and as a result only a small portion of the target is covered.

Adjusting the Reticle Focus

STYRKA S7 Series Riflescopes utilize a fast focus eyepiece design to quickly adjust the focus of the riflescope's reticle. To adjust the reticle focus follow the steps below:

1. Look through the riflescope at a blank wall or up at the sky.

2. Turn the eyepiece focus ring until the reticle is clear and sharp.

Note: *Make this adjustment as quickly as possible before your eyes compensate for an out-of-focus reticle. You may need to make several small adjustments before the reticle is perfectly focused.*

Fig. 2

Once the reticle is focused there is no need to re-focus every time you use your riflescope. You will need to periodically check this adjustment to compensate for any changes in your eyesight over time.

Changing the Magnification

All STYRKA S7 Series Riflescopes have a magnification adjustment ring located at the base of the eyepiece assembly. To change the magnification, turn the ring to align the desired magnification setting with the indicator mark on the eyepiece assembly. You can set the magnification at the designated powers shown or anywhere in between. The magnification adjustment ring features a raised grip that allows for easy adjustment in inclement weather or when wearing gloves.

Fig. 3

Adjusting the Windage and Elevation Turrets

STYRKA S7 Series Riflescopes feature audible click elevation and windage adjustments. Each click corresponds to 1/4 of a minute of angle (MOA) and will move the point of impact 1/4 inch at 100 yards, 1/2 inch at 200 yards, 3/4 inch at 300 yards, etc. At 100 yards it will take four clicks to move the point of impact approximately one inch. To make adjustments to windage and elevation follow the steps below:

Windage Adjustments:

1. Remove the windage cap
2. If the point of impact is to the left, turn the windage dial counterclockwise in the “Right” direction.
3. If the point of impact is to the right, turn the windage dial clockwise in the “Left” direction
4. Replace the cap once all adjustments have been made.

Elevation Adjustments:

1. Remove the elevation cap
2. If the point of impact is low, turn the elevation dial counterclockwise in the “Up” direction.
3. If the point of impact is high, turn the elevation dial clockwise in the “Down” direction
4. Replace the cap once all adjustments have been made.

Fig. 4

Zeroing the Windage and Elevation Dials

After sighting in your rifle the windage and elevation dials of your riflescope can be reset to zero without changing your settings. This feature allows you to easily return to your zero position in the event that windage and elevation adjustments are made in the field or at the range. To reset the zero of the windage and elevation dials follow the steps below:

1. Remove the windage or elevation cap.
2. While firmly holding the dial, use a flathead screwdriver to loosen and remove the center screw.
3. Lift the dial off of the scope.
4. Align the zero mark with the indicator mark and replace the dial on the scope.
5. Tighten the center screw while firmly holding the dial.

Fig. 5

Fig. 6

Fig. 7

Side Focus / Parallax Adjustment

STYRKA S7 Series Riflescopes feature a side focus adjustment that corrects parallax. Parallax occurs when the reticle and the target image are not on the same image plane. When your eye is not centered directly behind the eyepiece, there can be apparent movement of the target relative to the reticle and it can cause you to miss a shot. To correct for parallax error, follow the steps below:

1. Make sure that the reticle is focused (see Adjusting the Reticle Focus on page 3)
2. Turn the side focus knob so that the yardage number referenced matches the distance to the target.
3. Move your head back and forth while looking through the scope. If the reticle does not move in relation to the target, the side focus is adjusted correctly. If you notice that the reticle does move in relation to the target, make slight adjustments to the side focus until there is no movement.

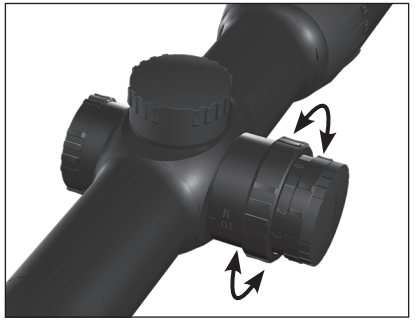


Fig. 8

Reticle Illumination Adjustment (select models)

Select models of the STYRKA S7 Series feature an illuminated reticle. Illuminating the reticle allows you to accurately place the reticle on target in adverse lighting conditions. The illumination is adjustable, with an OFF position located between each intensity setting. This allows you to find your preferred intensity setting and helps prevent the illuminator from being left in the ON position, draining the battery. When not illuminated, the reticle performs the same as the reticle in a non-illuminated scope.

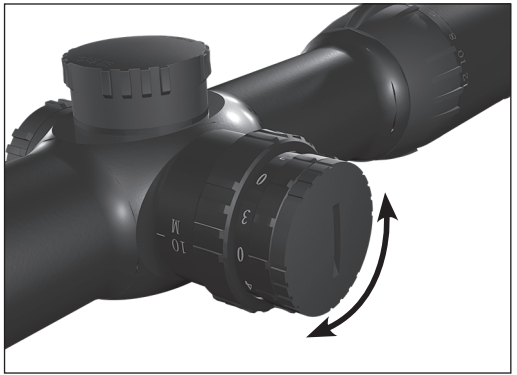


Fig. 9

Battery Replacement

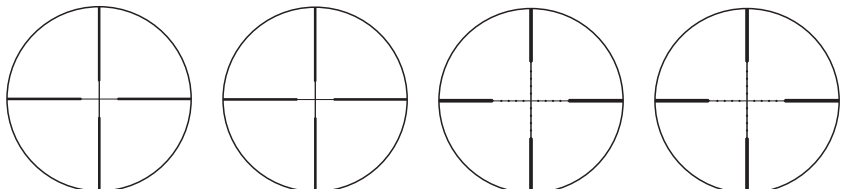
The illuminated reticle requires a CR2032 battery that can be easily replaced when necessary. To replace the battery unscrew the battery cover with a coin and remove the battery. Place the new battery in the opening with the positive terminal facing up and replace the cover. If the unit will not be used for a long period of time, the battery should be removed from the device.

Fig. 10

Reticle

STYRKA S7 Series Riflescopes are available in a plex reticle and select models are available in a Mil Dot reticle. There are also illuminated versions of both the plex and mil dot reticle on select models.

Fig. 11



Plex Reticle

The STYRKA plex reticle is an all-purpose hunting reticle that can be used for a wide variety of applications. The STYRKA plex reticle has thicker posts on the edges and thinner posts in the center. This draws the eye to the center of the reticle for fast target acquisition and minimizes obstruction of the target.

Mil Dot Reticle

The STYRKA Mil Dot reticle is available in select models and can be a useful tool for calculating distance when you do not have a laser rangefinder handy. The Mil Dot can also be used for estimating windage compensation and holdover but requires you to have the ballistic data for your firearm and ammunition at all distances. Since the STYRKA S7 Series Riflescopes utilize a second focal plane design the riflescope must be set at the highest magnification for the Mil Dot to be used accurately. When the riflescope is set at the highest magnification the distance from the center of one dot to the next is exactly one mil.

One mil measures the following at the given yardages:

100yds	**200yds**	**300yds**	**400yds**	**500yds**	**600yds**	**700yds**	**800yds**	**900yds**	**1000yds**
3.6"	7.2"	10.8"	14.4"	18.0"	21.6"	25.2"	28.8"	32.4"	36.0"

Calculating Distance

In order to use the reticle to range distance, you must know the height or width of a portion of the target or a nearby object. Using the reticle, measure how many mils the target or nearby object is and use one of the simple formulas shown here to determine the range.

$$\frac{\text{Target Size (Yards)} \times 1000}{\text{Measured Mils}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size (Inches)} \times 27.8}{\text{Measured Mils}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size (Meters)} \times 1000}{\text{Measured Mils}} = \text{Range (Meters)}$$

Example:

You see a rabbit in the distance and you know that a nearby tree stump measures three feet in height. With your riflescope set at the highest magnification, place the horizontal crosshair of the reticle even with the ground. You see that the tree stump spans four mils. Convert the height of the tree stump to yards and use the formula to calculate the distance. In this example the rabbit is 250 yards away.

$$\frac{1 \text{ (Yards)} \times 1000}{4 \text{ Mils}} = 250 \text{ Yards}$$

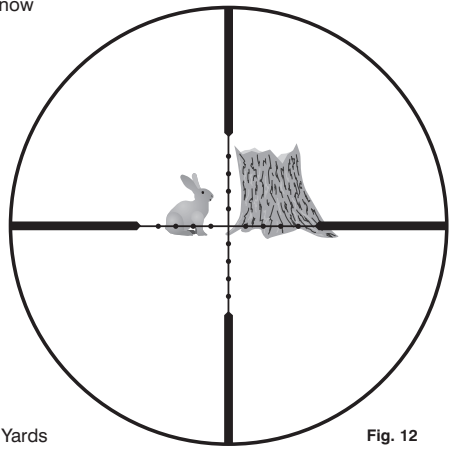


Fig. 12

Waterproof / Fogproof

STYRKA S7 Series Riflescopes are waterproof and filled (purged) with dry nitrogen gas to prevent the housing from fogging internally. This allows the riflescopes to be used in all weather conditions.

Care and Storage

Your STYRKA Riflescope will provide you years of dependable service in the field if it is cared for and stored properly.

1. Protect the riflescope from impact and do not force any of the moving parts beyond their limits.
2. Protect the optics of your riflescope by putting on the protective neoprene case when not in use.
3. Store your riflescope in a cool, dry place whenever possible.
4. When storing for an extended period of time, place the riflescope in a plastic bag or airtight container with a desiccant.
5. Do not leave the riflescope in a car on a hot/sunny day or near anything that generates heat as this may cause damage.
6. Clean any dust, dirt or water that may get on the riflescope or inside moving parts as soon as possible to prevent any unforeseen damage.

Cleaning

Proper cleaning of the lenses is essential to maintaining the optical integrity of your riflescope. Dirty lenses diminish the amount of light transmitted through the riflescope and degrade your overall viewing experience.

1. Remove any dust on the lenses with a soft lens brush or can of pressurized air.
2. Using the Spudz microfiber cleaning cloth (included) remove any fingerprints, stains or smudges from the lens surface by rubbing in a circular motion. Start in the middle of the lens and work your way to the edges. Breathe lightly on the lens to provide moisture if needed.
3. For a more thorough cleaning we recommend the use of a lens/optics cleaning kit available at most photo or optical shops. Follow the directions supplied with the cleaning kit for best results.

Lubrication

All components of the S7 Riflescopes are permanently lubricated.
There is no need to apply lubricant to the riflescope.

Specifications

Model Number	ST-95005	ST-95006	ST-95020	ST-95021	ST-95040	ST-95041
Magnification	1-6x	1-6x	3-12x	3-12x	2.5-15x	2.5-15x
Objective Lens Diameter	24mm	24mm	42mm	42mm	50mm	50mm
Angular Field of View	20.4-3.4°	20.4-3.4°	6.6-1.6°	6.6-1.6°	7.9-1.3°	7.9-1.3°
Linear Field of View @ 100yds	107.1-17.8ft	107.1-17.8ft	34.6-8.4ft	34.6-8.4ft	41.5-6.8ft	41.5-6.8ft
Tube Diameter	30mm	30mm	30mm	30mm	30mm	30mm
Reticle	Plex	Plex	Plex	Plex	Plex	Mil Dot
Illuminated Reticle	No	Yes	No	Yes	Yes	Yes
Parallax Adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Exit Pupil	12.5-4.0mm	12.5-4.0mm	12.7-3.5mm	12.7-3.5mm	11.0-3.3mm	11.0-3.3mm
Eye Relief	3.8"	3.8"	3.9"	3.9"	3.94"	3.94"
Adjustment Gradation (clicks)	1/4 MOA	1/4 MOA	1/4 MOA	1/4 MOA	1/4 MOA	1/4 MOA
Elevation Adjustment Range	60 MOA	60 MOA	60 MOA	60 MOA	60 MOA	60 MOA
Windage Adjustment Range	60 MOA	60 MOA	60 MOA	60 MOA	60 MOA	60 MOA
Parallax Setting	10 yds - ∞	10 yds - ∞	10 yds - ∞	10 yds - ∞	10 yds - ∞	10 yds - ∞
Relative Brightness	156.2-16	156.2-16	161.3-12.2	161.3-12.2	121-10.9	121-10.9
Twilight Factor	4.9-12	4.9-12	11.2-22.4	11.2-22.4	11.2-27.4	11.2-27.4

Product design and specifications are subject to change without prior notification.

CE FC RoHS

FCC Note: *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- *Reorient or relocate the receiving antenna*
- *Increase the separation between the equipment and receiver*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help*

For complete specifications and product information, visit: WWW.STYRKASTRONG.COM

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