

**FALCON**  
**OPTICAL SYSTEMS**



**S**<sup>8i</sup>  
**SUPER EIGHT**  
**1-8x24**

[www.falconoptics.com](http://www.falconoptics.com)

## S8i Specification

1-8x24i

MAGNIFICATION RANGE	1-8
FIELD OF VIEW @ 100y	112 - 16ft
EYE RELIEF @ 8x	89mm

TOTAL ELEVATION ADJUSTMENT	30.0 MRAD
ADJUSTMENT VALUE PER CLICK	0.1 MRAD
ADJUSTMENT PER TURN	10.0 MRAD

RETICLE CHOICES	B22i MilBox (Red Illuminated)
RETICLE INSTALL	Second Focal

TOTAL LENGTH	255mm
WEIGHT	480g
TUBE DIAMETER	30mm
CONSTRUCTION	1 Piece Tube/Saddle/Objective
OBJECTIVE LENS DIAMETER	24mm
OUTER OBJECTIVE DIAMETER	30mm
OUTER OCULAR DIAMETER (Inc Grip)	42.9mm

ADDITIONAL SUNSHADES	0 Supplied
FLIP UP LENS COVERS	Yes, Supplied

CONFIGURATIONS AND ORDER CODES	<b>S82 - B22i MilBox Reticle with MRAD Adjustment</b>
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## Guidance For Use - Installation and General Operation Summary

- It's important that the reticle appears sharp and is correctly set to your eye. Use the fast focus eyepiece to adjust the sharpness of the reticle to suit your eyesight, by pointing the scope at a featureless bright area such as a wall or open sky. Do not look at the sun! Once the eyepiece is set then don't adjust it.

- Be careful not to crush the scope tube by over tightening the mounts/rings. Refer to literature supplied with the mounts/rings to ensure the correct torque settings are used on both the top screws and base screws. Each set of mounts/rings and supplied screws should be built to a specific tolerance that will determine the correct torque setting.

- Its important to remember that the MRAD based adjustment system matches the MRAD nature of the reticle (8x accuracy), no MOA or inch conversion is required. 10.0 MRAD as displayed by the reticle is equal to 10 clicks of adjustment.

- Each scope will be preset to mechanical centre (midway point of adjustment range) out of the box. Try and keep both the windage and elevation turrets as close to mechanical centre as possible when zeroing.

- The zeroed point of impact (POI) should remain unchanged across the entire magnification range, but additional aim points that may be used for holdover/under and windage will change. This is because the reticle is installed in the second focal plane (SFP).

- The CR2032 battery for the illuminated reticle can be swapped by removing the battery compartment cover. This is threaded and secures into the main rheostat section / battery compartment. Simply hold the main compartment & unthread the top cover and firmly re-secure once the battery has been replaced to ensure a good connection.

- The CR2032 battery can't always be supplied with the scope due to Air Freight restrictions.



## Guidance For Use

### S8i MRAD B22i MilBox Reticle

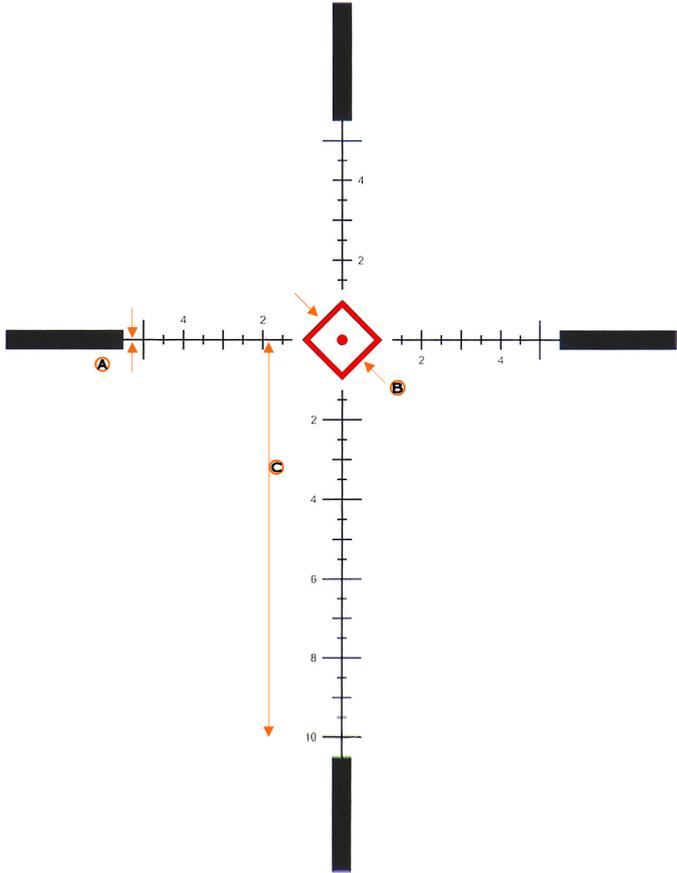
- S8i MilBox Illuminated Reticle installed in the second focal plane, calibrated for MRAD accuracy at 8 magnification.

- 1.0 MRAD = 10.0cm @ 100m
- A = Line Thickness 0.05MRAD
- B = Outer MilBox Diameter 2.0 MRAD
- = Central Dot Diameter 0.22 MRAD
- = MilBox Line Thickness 0.125 MRAD
- C = 10.0 MRAD

The B22i MilBox Reticle can be illuminated (red) using the rheostat (left hand turret on scope saddle). Simply twist the rheostat to the desired intensity setting.

Settings 9/10/11 are designed to be day-time visible. As a result, use of these settings at night or in very dark conditions is likely to wash out the image.

For reticle diagrams in greater detail please visit [www.falconoptics.com/resources](http://www.falconoptics.com/resources) where higher resolution pdf versions can be downloaded. **Diagram not to accurate scale.**



## Care and Maintenance

- With the exception of removing the outer turret caps (covers) then do not attempt to disassemble the scope.
- Do not tamper with the holding screw on the magnification ring, nor the nitrogen port screw on the base of the saddle.
- Do not attempt to 're-parallel' the scope by adjusting the position of the front lens assembly. In doing so you run the risk nitrogen loss and moisture ingress over time.
- You will feel a positive stop at the end of the travel ranges for the windage and elevation turrets and focus eyepiece. Don't be tempted to apply more force once you reach the stop.
- When mounting the scope always be sure to check the torque settings for the mounts/rings that you plan to use. Refer to the literature supplied with the rings/mounts where it is likely to give you a torque setting in inch/lbs for the base screws and a different setting for the top/ring screws.
- The external lens surfaces can be wiped clean with the lens cloth provided. Remove any noticeable particles of dirt or sand in advance using a lens blower or a very soft brush. Take care in doing this to ensure the outer lens coatings do not get scratched.
- Store the scope in a moisture free environment.
- Don't leave the scope in direct sunlight whereby the sun's rays can enter either the objective or ocular ends.
- Avoid storing the scope in areas that will reach very high temperatures.
- CAUTION : Never use the scope to look at the sun!

## Warranty

Your new Rifle Scope has a Limited Lifetime Warranty that covers defects in materials and or workmanship. This is legally restricted to 10 years under European law.

The warranty does not cover instances of abuse, user error, improper use or should the scope be dismantled or taken apart by anyone other than Falcon Optics or its representatives.

The warranty is limited to the original person that purchased the scope and is non transferable.

The original proof of purchase is required in the event of a warranty claim. No guarantee can be given if a dated proof of purchase can not be provided.

If you are concerned that the Rifle Scope has developed a fault or defect then either contact Falcon Optics directly or contact the Falcon Optics representative from which the scope was purchased.

In cases where the Rifle Scope does need to be returned then details of where to return to will be given at the time of contact. Do not send the scope without contacting either Falcon Optics or its representative in advance and obtaining return authorisation.

The original proof of purchase must be sent with the scope being returned, along with full name, address and contact details. A letter with as much information on the fault as possible should also be included. The scope should be well packaged, pre-paid and fully insured against damage or loss.

After returning, the unit will be inspected then repaired or replaced at the option of the guarantor.

For more details on the returns procedure please consult the resources section of the Falcon Optics website - [www.falconoptics.com](http://www.falconoptics.com) or contact Falcon Optics directly. The returns procedure will differ if you are outside of the United Kingdom.

The terms and conditions above set out the minimum that we will provide and are in addition to your statutory rights.

## Export Notice

All models that Falcon Optics currently produce are export sensitive, they can't leave the United Kingdom without a valid export license. Do not attempt to export this scope from the UK without written permission from the Export Control Organisation of BIS (Department for Business, Innovation and Skills).

If you are outside the UK then similar rules may apply, consult with your Export Control equivalent before taking/ sending the scope abroad.

## Basics

- 1 - **Objective end.** Contains the objective lens assembly and objective lens hood.
- 2 - **Ocular end.** Contains the ocular lens assembly. This is threaded for adjustment, sometimes referred to diopter correction or 'European style fast focus eyepiece'.
- 3 - **Eyepiece section.**
- 4 - **Magnification ring.** This rotates to adjust the magnification setting.
- 5 - **Rheostat and battery compartment.** Adjusts the intensity of the illuminated reticle.
- 6 - **Elevation and Windage turrets.** These are used to adjust the position of the reticle and 'zero in'.
- 7 - **Saddle section.** This houses the elevation and windage turrets and rheostat. To the front and rear of the saddle section is the 30mm main tube.



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