

THE NEW SBX RETICLE

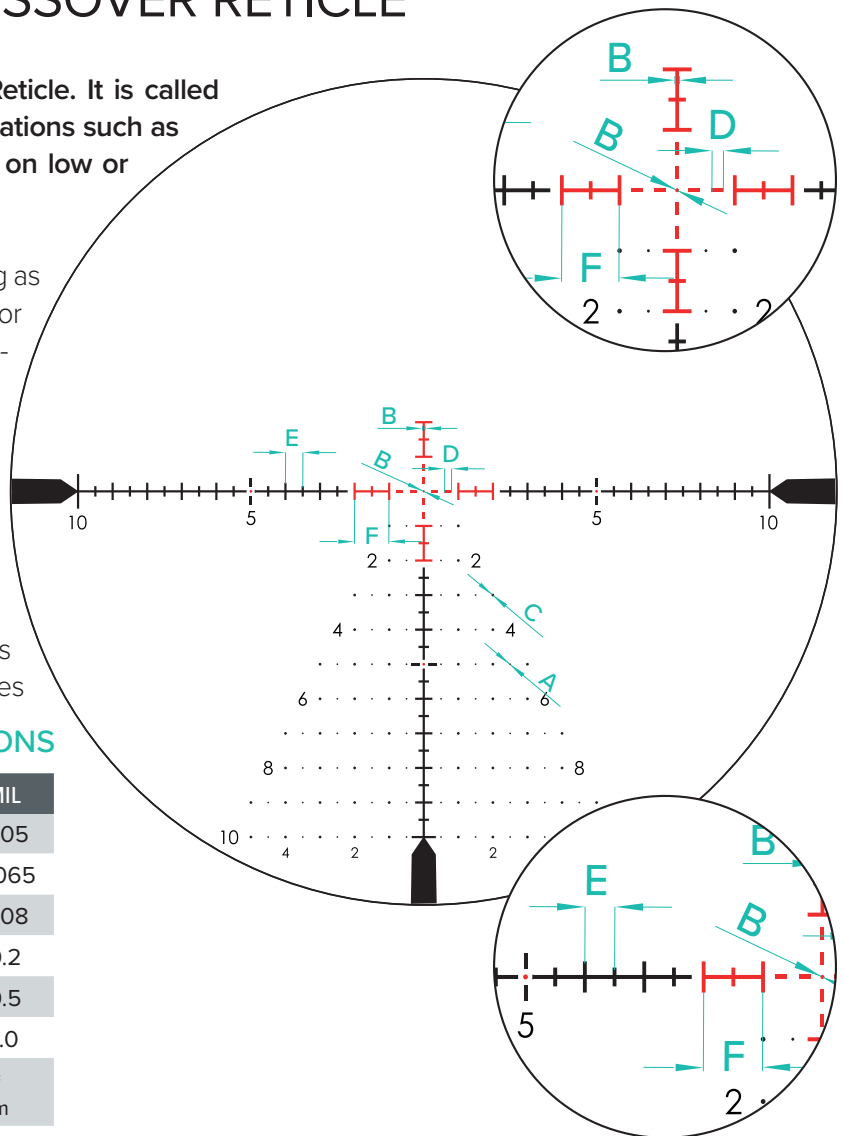
SCHMIDT & BENDER CROSSOVER RETICLE

SBX stands for **Schmidt & Bender Crossover Reticle**. It is called “Crossover” because it combines various applications such as long or close range shooting and can be used on low or high magnification.

This special reticle is intended for long range hunting as done in the USA or Scandinavia but is also suitable for competition disciplines such as NRL Hunter. The well-defined center cross is optimized for shooting at low or high magnification. On high magnification the free floating 0.065 mrad center dot is surrounded by an interrupted center cross with 0.2 mrad gaps and dashes. This structure is perfect for precision shooting – also in low light conditions. The illuminated center cross measures 2 mrad from center to the outer illuminated pattern and is suitable for hold-overs of the most popular cartridges up to 400 m. It also features an easy to reference and intuitive “Christmas tree” for long range hunting and shooting up to 1000 m, even when facing windy conditions. The overall pattern is clearly arranged for quick follow up shots. In addition, the well balanced reticle guides the eye to the center while solid outer bars enable good usability on low magnification which is crucial for dynamic shooting.

DIMENSIONS

UNIT	MIL
A	0.05
B	0.065
C	0.08
D	0.2
E	0.5
F	1.0
0.1 MIL = 1cm/100 m	



CONTACT

Schmidt u. Bender GmbH & Co. KG Optische Geräte
 Am Großacker 42 | 35444 Biebertal, Germany
 T: +49 (0) 64 09/81 15-0
 M: info@schmidt-bender-us.com
 W: www.schmidt-bender.com

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NEW

PRECISION ON ANOTHER LEVEL

HUNTING

3-18x42 Meta (1. FP)



NEW CONFIGURATION OF THE 3-18x42 Meta SETS NEW STANDARDS IN PRECISION AND DESIGN

The latest innovation in riflescopes has arrived: The 3-18x42 Meta (1. FP) combines cutting-edge technology, proven functionality, and a bold new design to captivate hunters and competition shooters alike. With a range of new configurations and unique features, this riflescope sets new standards in precision and versatility.

HIGHLIGHTS OF THE 3-18x42 Meta (1. FP)

- ◉ **New SBX Reticle:** The specially designed reticle ensures maximum shooting accuracy and is ideal for hunters and competition shooters.
- ◉ **First Focal Plane Reticle:** Perfect reticle pattern for precise shot placement at any magnification. The intelligent design ensures usability even at lower magnifications.
- ◉ **New Design:** A compact and bold appearance with optimized turrets for intuitive operation.
- ◉ **Durability-Tested Turrets:** Robust adjustment turrets have been proven reliable under the harshest conditions, offering maximum accuracy.
- ◉ **Perfect for Clip-On Devices:** The diopter adjustment has been optimized to ensure a smooth transition from the eyepiece to the main tube – ideal for use with clip-on devices.
- ◉ **Ergonomic Magnification Adjustment:** The “TMR” adjustment ring allows for an easy installation of the S&B Throw Lever, supporting faster magnification adjustments.
- ◉ **Tenebraex Lens Covers Included:** These rugged lens covers provide optimal protection for the objective and ocular lens in all weather conditions.

VERSATILE APPLICATIONS

The **3-18x42 Meta (1. FP)** is designed for hunters and competition shooters alike. Providing the proven features of the previous 3-18x42 Meta, it introduces innovations that makes it perfect for demanding hunters as well for mid-range and dynamic shooting.

AVAILABILITY

The new **3-18x42 Meta (1. FP)** riflescope will be available in September 2025.

TECHNICAL DATA

1. DIMENSIONS AND WEIGHT

Length @ 0 dpt (mm in):	328 12,91
Width / Height (mm in):	84.6 / 58-59.8 33.3 / 2.28-2.35
Main tube diameter (mm in):	30 1.18
Mounting system:	Ring mount
Weight (g oz):	780 27.51

2. OPTICAL DATA

Magnification:	3–18
Objective diameter (mm in):	42 1.65
Field-of-view (m/100 m) (ft/100 yd):	14.5–2.4 43.5–7.2
Field-of-view (USA) (m/100 m) (ft/100 yd):	12.4–2.1 37.2–6.4
Field-of-view/100 m (°):	8.3–1.4
Field-of-view/100 m (USA) (°):	7.1–1.2
Exit pupil diameter (mm in):	8.3–2.3 0.33–0.09
Eye relief distance (mm in):	90 3.54
Twilight factor:	10.8–27.5
Transmission (%):	92
Focal Plane:	1
Diopter adjustment (dpt):	–3 to +2
Parallax adjustment (m yd):	20 to ∞ 21.87 to ∞

3. ILLUMINATION

Illumination steps:	11
Illumination color:	Red
Battery type:	CR2032

4. CLIMATE

Temperature – Storage (°C °F):	–55 to +71 –67 to +160
Temperature – Function (°C °F):	–40 to +61 –40 to +142

5. COMPATIBILITY

Throw Lever compatible:	Yes
Thread ocular:	M41x0,5
Thread objective:	M47x0,75
Outer diameter objective (mm in):	50 1.97
Outer diameter ocular (mm in):	48 1.89

6. OPTIONS

Color:	Black
Nitrogen filling:	Minimum Nitrogen 5.0
Waterproof (ml ft):	3 9.84

7. TURRET CONFIGURATIONS

Turrets (Elevation / Windage)	Adjustment range elevation	Adjustment range windage	Turret rotation	Click value	Internal travel elevation	Internal travel windage	Tactile Indicator
DT LT / ST ZC LT	23,2 mrad	±6 mrad	cw/ccw	0,1 mrad	34,2 mrad	19,7 mrad	Yes (Elevation)
ST LT / ST ZC LT	12 mrad	±6 mrad	cw/ccw	0,1 mrad	34,2 mrad	19,7 mrad	No

THE NEW DT23 TURRET

- Proven version of the ultra low profile turret
- Elevation turret with visual and tactile revolution indicator
- Lockable Double Turn with 23 mrad
- Zero Stop: Fast and reliable reset to zero point



Legend:

DT (Double Turn) MT (Multi Turn) ST (Single Turn) MTC (More Tactile Clicks) LT (Locking Turret) CT (Capped Turret) ZC (Zero Click) cw (clockwise) ccw (counterclockwise) 0.1 mrad = 1 cm/100 m

Other configurations available on request. All data subject to change