



THE RIFLESCOPE PIONEER®



Product program 2017



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COMPETITION



K 1050, K 1050 MOAK

Sport shooting with extreme magnification

10–50x56



Optional: Parallax wheel attachment for precise adjustment

The K 1050 has been specifically designed to provide optimum precision for sport shooting. Weighting just 890 g and only 429 mm long, with its unique parallax adjustment, starting from just 8 meters, it provides unparalleled precision.

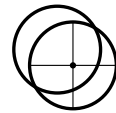
PRODUCT HIGHLIGHTS

- ∴ Optimum precision for sport shooting
- ∴ Perfect image quality, even at 50x magnification
- ∴ Patented parallax adjustment from 8 m to infinity integrated in the turret
- ∴ Non-illuminated reticle for discreet image and maximum precision

Striking precision for the highest standards

	K 1050	K 1050 MOAK
Magnification	10–50	10–50
Objective lens diameter (mm)	56	56
Field of view (m/100 m)	2,9–0,6	2,9–0,6
Eye relief (mm)	95	95
Diopter compensation (dpt)	+2/–3,5	+2/–3,5
Parallax adjustment (m)	8 till ∞	8 till ∞
Impact correction per click (MOA)	1/8	1/8
Adjustment Range E/W (m/100 m)	1,6/1,2	1,6/1,2
Tube diameter (mm)	30	30
Length (mm)	429	429
Weight (g)	890	890
Reticle 2. focal plane	DD, CH, Plex	MOAK
Illuminated	no	no

FEATURES

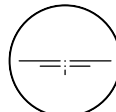


2. focal plane

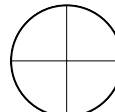


Adjustment direction
CCW

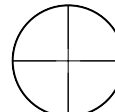
RETICLES



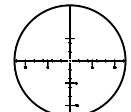
Double Dot



Crosshair Dot



Plex



MOAK





K 1050i FT

Field target
for perfectionists

10–50x56i



Also available in silver!

The K 1050i FT offers a uniquely precise experience. With the special parallax focus ranging from 8 to 60 metres and an illuminated reticle in the second focal plane, it has been optimally designed for field target sport.

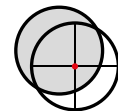
PRODUCT HIGHLIGHTS

- ∴ Developed together with professionals for highest precision in field target sport
- ∴ Perfect image quality, even at 50x magnification
- ∴ Patented parallax adjustment integrated in the elevation turret from 8 m to 60 m
- ∴ Illuminated reticle for a decent image and maximum precision
- ∴ Beside classic black also available in silver

Striking precision for the highest standards

Magnification	10–50
Objective lens diameter (mm)	56
Field of view (m/100 m)	2,9–0,6
Eye relief (mm)	95
Diopter compensation (dpt)	+2/–3,5
Twilight factor (DIN 58388)	23,6–52,9
Parallax adjustment (m)	8 till 60
Impact correction per click (MOA)	1/8
Adjustment Range E/W (m/100 m)	1,6/1,2
Tube diameter (mm)	30
Length (mm)	429
Weight (g)	1040 *
Reticle 2. focal plane	MHR
Illuminated	yes

FEATURES



2. focal plane



Adjustment direction
CCW

RETICLES



MHR

*Including parallax wheel attachment (140 g)





K 624i, K 624i MOAK

Professional choice for long distances

6-24x56i



The K 624i sets new standards in handling and ergonomics thanks to the unique arrangement of its operating elements. It offers industry-leading optical performance, mechanical perfection and a unique range of well proven reticles for professionals and sport shooting.

PRODUCT HIGHLIGHTS

- ∴ Professional riflescope with a wide field of view, best optical performance and perfect click mechanism
- ∴ Available with windage left or right
- ∴ Patented parallax adjustment integrated in the elevation turret from 50m to ∞
- ∴ Illuminated reticle in the first focal plane allow reliable distance and size measurements

High performance in the first focal plane

	K 624i	K 624i MOAK
Magnification	6-24	6-24
Objective lens diameter (mm)	56	56
Field of view (m/100m)	6,8-1,7	6,8-1,7
Eye relief (mm)	90	90
Diopter compensation (dpt)	+2/-3,5	+2/-3,5
Twilight factor (DIN 58388)	18,3-36,7	18,3-36,7
Parallax adjustment (m)	50 till ∞	50 till ∞
Impact correction per click	.1 MRAD	1/4 MOA
Adjustment Range E/W (m/100m)	2,5/1,1	2,5/1,1
Tube diameter (mm)	34	34
Length (mm)	405	405
Weight (g)	950	950
Reticle 1. focal plane	Mil3, Mil4, SKMR, SKMR3, MSR/Ki, AMR	MOAK
Illuminated	yes	yes

FEATURES



1. focal plane



left or right version available



CW or CCW available

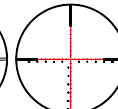
RETICLES



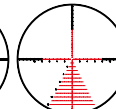
Mil3



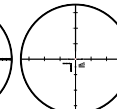
Mil4



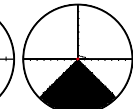
SKMR



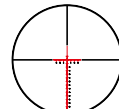
SKMR3



MSR/Ki



AMR



MOAK





K 624i, K 624i MOAK

Unparalleled handling and ergonomics

With a centrally arranged parallax wheel and optional right- or left-hand placement of the side elevation.



Parallax wheel integrated in the elevation turret (patented)

The K 624i is the only tactical riflescope which allows the shooter to use all operating elements easily and comfortably, without having to reach over the sight and without having to move out from their shooting position. This is true for both right- and left-handed shooters. The parallax wheel is integrated in the elevation turret. The patented central arrangement on top of the riflescope makes right- and left-handed operation equally comfortable.



Left/right side adjustment turret

For right-handed shooters, it is ergonomically ideal in terms of shooting for the windage adjustment turret to be placed on the left-hand side – and for left-handed shooters, on the right-hand side.



This is why the K 624i is available with the option to have the windage adjustment on the right or left. This ensures that shooters can use their instinctively dominant hand for all the key operating elements without leaving their shooting position and with all the adjustment information in their field of view.

High performance in the first focal plane

The K 624i MOAK offers maximum precision with the special MOAK reticle and ¼ MOA click adjustment.

The ¼ MOA click adjustment and a perfectly designed reticle in the first focal plane guarantee maximum precision over long distances. The specially designed MOAK turret has a third rotational plane and allows simple, precise operation over the entire adjustment range.



MOAK turret with three planes of rotation and indicator

The K 624i is available now as a special RAL 8000-coloured version



The special version with a high-quality, scratch-resistant, RAL 8000-coloured coating is available as an counterclockwise version with the windage adjustment turret on the left-hand side and an illuminated MSR/Ki reticle.





K 312i

Tactical tool
for professionals

3–12x50i



Only as a left
version available!

The K 312i sets new standards in handling and ergonomics thanks to the unique arrangement of its operating elements. It provides outstanding optical performance, a well proven magnification range and practical reticles.

PRODUCT HIGHLIGHTS

- .. Professional riflescope with excellent optical performance and perfect click mechanism
- .. Windage turret on the left
- .. Patented parallax adjustment integrated in the elevation turret from 25m to ∞
- .. Illuminated reticle in the first focal plane allow safe distance and size measurements

Innovative ergonomics in the first focal plane

Magnification	3–12
Objective lens diameter (mm)	50
Field of view (m/100m)	11,1–3,3
Eye relief (mm)	90
Diopter compensation (dpt)	+2/–3,5
Twilight factor (DIN 58388)	10,4–24,5
Parallax adjustment (m)	25 till ∞
Impact correction per click (MIL/mrad)	.1
Adjustment Range E/W (m/100m)	2,5/1,2
Tube diameter (mm)	34
Length (mm)	376
Weight (g)	836
Reticle 1. focal plane	Mil7, MSR/Ki
Illuminated	yes

FEATURES



1. focal plane



left version
available

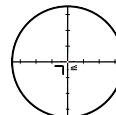


CW or CCW
available

RETICLES



Mil7



MSR/Ki



Fast target acquisition in toughest environments



1-6x24i

The K 16i is ideal for acquiring targets in next to no time thanks to its ultra-wide field of view. Sport shooters benefit from the extra-high nose and the large, easy-to-use adjustment ring.

PRODUCT HIGHLIGHTS

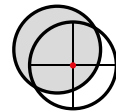
- ∴ Sporty riflescope with ultra-wide field of view for fast target acquisition
- ∴ Developed for even the toughest demands
- ∴ Extra bright day/night illuminated reticles in the second focal plane
- ∴ OILPHOBIC coated lenses

Ultra-wide field of view in a robust shelter

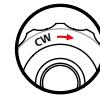
Magnification
Objective lens diameter (mm)
Field of view (m/100 m)
Eye relief (mm)
Diopter compensation (dpt)
Twilight factor (DIN 58388)
Korrektur/Klick (mm/100 m)
Adjustment Range E/W (m/100 m)
Tube diameter (mm)
Length (mm)
Weight (g)
Reticle 2. focal plane
Illuminated

1-6
24
42.3-6.7
95
+2/-3,5
3,1-12,0
10
2,2/2,2
30
278
480
SI1, SM1, G4B
yes

FEATURES

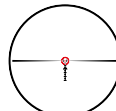


2. focal plane

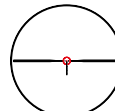


Adjustment direction
CW

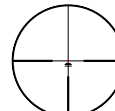
RETICLES



SI1



SM1



G4B



Fast target acquisition
with 4x magnification



4x30i

The K4i has been designed for the toughest demands and is optimised for fast target acquisition and a maximum overview at short to medium distances.

PRODUCT HIGHLIGHTS

- ∴ 4x optics with extra large exit pupil and 91 % light transmission
- ∴ Durable prism design with illuminated reticle, continuously adjustable
- ∴ Precise click adjustment 1.5cm/100m
- ∴ Ergonomic design and rugged construction
- ∴ Three integrated Picatinny (MIL STD 1913) rails for attaching accessories

4 x high performance optics

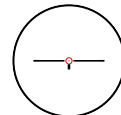
Magnification	4
Objective lens diameter (mm)	30
Field of view (m/100m)	9,1
Eye relief (mm)	95
Diopter compensation (dpt)	+2/-3,5
Twilight factor (DIN 58388)	10,95
Impact correction per click (mm/100m)	15
Adjustment Range E/W (m/100m)	2,0/2,0
Tube diameter (mm)	-
Length (mm)	177
Weight with mounting* (g)	680
Reticle	CD
Illuminated	yes

FEATURES



Adjustment direction
CCW

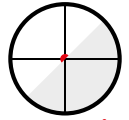
RETICLES



Circle Dot

*Integrated Picatinny mounting rail included with delivery

Intelligent reticle illumination



automaticlight

Integrated automaticlight function

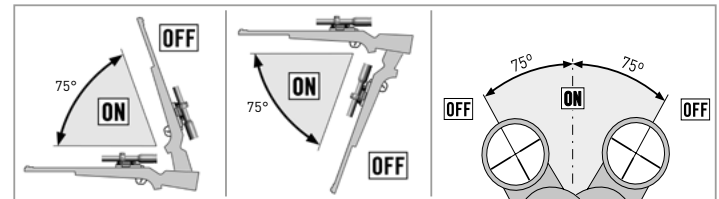
All illuminated hunting riflescopes are equipped with a tilt sensor. This detects whether or not the riflescope is in a shooting position. The sensor transmits this information immediately to the illumination unit and, by doing so, automatically switches the illuminated reticle on or off, in order to save valuable energy when not in use.

Active mode

- When the illuminated reticle is switched on with automaticlight, it is always active at an angle of 0–45° (up/down/sideways).

Standby mode

- After 2 minutes in a motionless state at an angle of 0–45° (up/down/sideways), the illuminated reticle is switched off and automatically switches to “standby” mode.
- In the range from 45–75° (up/down), the illuminated reticle remains active for 2 minutes and then automatically switches to “standby” mode.
- From an angle of over 75° (up/down/sideways), the illuminated reticle immediately switches off and automatically enters “standby” mode.



The smallest movement is enough to switch out of “standby” mode, and once in a shooting position (0–45°), the illuminated reticle is reactivated with the last used light intensity within a fraction of a second.



Ballistic Drop Compensation

Flexibility and maximum precision



Work out the distance – adjust the ballistics – and go!

The easy-to-use and accurate KAHLES ballistic drop compensation (BDC) is the perfect assistant at the crucial moment. It adapts quickly and easily to your needs and offers everything you need for an aimed shot at different distances.

PRODUCT HIGHLIGHTS

- ∴ Easy of use, simple operation
- ∴ Robust housing with magnetic lid for easy opening and closing

Hit the mark every time

With the KAHLES ballistic drop compensation achieving reliable shooting accuracy has never been so easy and straightforward. It eliminates the need to guess how far to aim above the target, no matter how far away it is.

The KAHLES ballistic drop compensation device can be accessed easily and quickly by opening the lid of its case, which is secured with a magnetic lock to prevent accidental opening. The click adjustment tool, which is made of specially hardened and tempered light metal, combined with the ballistic scale, enables the required shooting distance to be set extremely quickly and intuitively using the reliably precise KAHLES Klick. Once the lid of the case has been closed, the KAHLES ballistic drop compensation device is once again optimally protected against accidental adjustment as well as against severe external conditions.



An opening on the case of the KAHLES ballistic drop compensation device, positioned to be within the user's field of view, makes it easy to read and check the values that have been set, even when the case is closed.



All products, who are available with the KAHLES BDC are marked with this icon.



BD-Compensation
(Optional)





Helia

Ideal for driven hunt



NEW

1-5x24i

The new Helia series impresses with uncompromising focus on the real essentials: Functionality, reliability, handling and aesthetics. The perfect tool for hunting.

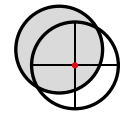
PRODUCT HIGHLIGHTS

- ∴ Real compact driven hunt optics with an ultra-wide field of view reaching 42 m/100 m
- ∴ Powerful optics system with exceptional edge sharpness
- ∴ True 1x magnification for irritation-free viewing with both eyes
- ∴ Extra-bright day/night illuminated reticle with intelligent automatic switch-off
- ∴ OILPHOBIC coated lenses

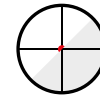
Noticeable perfection without compromise

Magnification	1-5
Objective lens diameter (mm)	24
Field of view (m/100 m)	42,4-8,1
Eye relief (mm)	95
Diopter compensation (dpt)	+2/-3,5
Twilight factor (DIN 58388)	3,0-11,0
Impact correction per click (mm/100m)	10
Adjustment Range E/W (m/100 m)	2,5/2,5
Tube diameter (mm)	30
Length (mm)	278
Weight (g)	475
Weight SR-Rail (g)	499
Reticle 2. focal plane	4-DH
Illuminated	yes

FEATURES



2. focal plane



automatic light



BD-Compensation
(Optional)



SR-Rail
(Optional)

RETICLES

NEW



4-DH

4-DH – The driven hunt reticle

Based on the classic KAHLES 4-dot reticle, the 4-DH has been developed for fast, intuitive shooting. Fine orientation lines which are almost invisible in the background and a precise detached illuminated point which has been optimised for day-light, dusk and dawn guarantee the best possible view and easy target acquisition.





Helia

Perfect for stalking game

NEW



2–10x50i

The new Helia series impresses with uncompromising focus on the real essentials: Functionality, reliability, handling and aesthetics. The perfect tool for hunting.

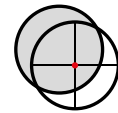
PRODUCT HIGHLIGHTS

- ∴ Light and compact game stalking optics
- ∴ Perfect all-rounder with large, high-contrast field of view and excellent performance during dawn and dusk
- ∴ Powerful optics system with exceptional edge sharpness
- ∴ Day/night illuminated reticle with intelligent automatic switch-off
- ∴ OILPHOBIC coated lenses

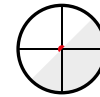
Noticeable perfection without compromise

Magnification	2–10
Objective lens diameter (mm)	50
Field of view (m/100 m)	21,0–4,1
Eye relief (mm)	95
Diopter compensation (dpt)	+2/–3,5
Twilight factor (DIN 58388)	6,2–22,4
Impact correction per click (mm/100m)	10
Adjustment Range E/W (m/100 m)	1,6/1,6
Tube diameter (mm)	30
Length (mm)	341
Weight (g)	585
Weight SR-Rail (g)	–
Reticle 2. focal plane	4-Dot
Illuminated	yes

FEATURES



2. focal plane

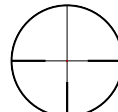


automaticlight



BD-Compensation
(Optional)

RETICLES



4-Dot



Helia

Top-class for hide/stand hunting

NEW



2,4–12x56i

The new Helia series impresses with uncompromising focus on the real essentials: Functionality, reliability, handling and aesthetics. The perfect tool for hunting.

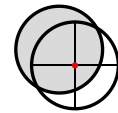
PRODUCT HIGHLIGHTS

- :: Ideal for hide/stand hunting with exceptionally high light transmission, whether at dawn, dusk or night
- :: Perfect image with best contrast and wide, brilliant field of view
- :: Powerful optics system with exceptional edge sharpness
- :: Day/night illuminated reticle with intelligent automatic switch-off
- :: OILPHOBIC coated lenses

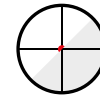
Noticeable perfection without compromise

Magnification	2,4–12
Objective lens diameter (mm)	56
Field of view (m/100 m)	16,5–3,3
Eye relief (mm)	95
Diopter compensation (dpt)	+2/–3,5
Twilight factor (DIN 58388)	7,4–25,9
Impact correction per click (mm/100m)	10
Adjustment Range E/W (m/100 m)	1,9/1,9
Tube diameter (mm)	30
Length (mm)	359
Weight (g)	680
Weight SR-Rail (g)	704
Reticle 2. focal plane	4-Dot, G4B
Illuminated	yes

FEATURES



2. focal plane



automaticlight

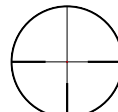


BD-Compensation
(Optional)

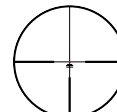


SR-Rail
(Optional)

RETICLES



4-Dot



G4B



Helia 3

Puristic and lightweight



3-9x42

The Helia 3 series combines classic elegance with the latest high-quality technology and superb premium optics. Existing attachments for 1-inch main tubes can still be used in most cases.

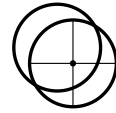
PRODUCT HIGHLIGHTS

- ∴ Superb stalking optics – puristic and lightweight
- ∴ Classic slim design with a 1-inch main tube Ø (25.4 mm)
- ∴ Aluminium main tube anodised in matt black with scratch-resistant surface
- ∴ The lightest optics in its quality class (450 g)

High-class classic elegance – 1-inch main tube

Magnification	3-9
Objective lens diameter (mm)	42
Field of view (m/100 m)	12,1-4,3
Eye relief (mm)	90
Diopter compensation (dpt)	+2/-3,5
Twilight factor (DIN 58388)	11,2-19,4
Impact correction per click (mm/100 m)	10
Adjustment Range E/W (m/100 m)	1,5/1,5
Tube diameter (mm)	25,4
Length (mm)	313
Weight (g)	450
Weight SR-Rail (g)	-
Reticle 2. focal plane	4A
Illuminated	no

FEATURES

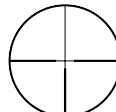


2. focal plane



BD-Compensation
(Optional)

RETICLES



4A



Helia 3

For stalking
and mountains



4–12x44i

The Helia 3 series combines classic elegance with the latest high-quality technology and superb premium optics. Existing attachments for 1-inch main tubes can still be used in most cases.

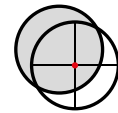
PRODUCT HIGHLIGHTS

- ∴ Brilliant optics for stalking and hunting in the mountains
- ∴ Classic slim design with a 1-inch main tube Ø (25.4mm)
- ∴ Aluminium main tube anodised in matt black with scratch-resistant surface
- ∴ Day/night illuminated reticle with intelligent automatic switch-off
- ∴ 12x magnification, weighting just 485g

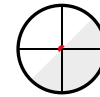
High-class classic elegance – 1-inch main tube

Magnification	4–12
Objective lens diameter (mm)	44
Field of view (m/100 m)	9,2–3,3
Eye relief (mm)	90
Diopter compensation (dpt)	+2–3,5
Twilight factor (DIN 58388)	13,3–23,0
Korrektur/Klick (mm/100 m)	10
Adjustment Range E/W (m/100 m)	1,1/1,1
Tube diameter (mm)	25,4
Length (mm)	351
Weight (g)	485
Weight SR-Rail (g)	–
Reticle 2. focal plane	4-Dot, G4B
Illuminated	yes

FEATURES



2. focal plane

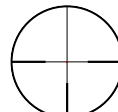


automaticlight

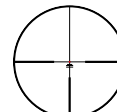


BD-Compensation
(Optional)

RETICLES



4-Dot



G4B





Helia 3

Classic all-rounder



3–10x50i

The Helia 3 series combines classic elegance with the latest high-quality technology and superb premium optics. Existing attachments for 1-inch main tubes can still be used in most cases.

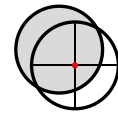
PRODUCT HIGHLIGHTS

- ∴ Classic all-rounder with high light transmission
- ∴ Classic slim design with a 1-inch main tube Ø (25.4 mm)
- ∴ Aluminium main tube anodised in matt black with scratch-resistant surface
- ∴ Day/night illuminated reticle with intelligent automatic switch-off

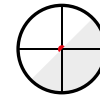
High-class classic elegance – 1-inch main tube

Magnification	3–10
Objective lens diameter (mm)	50
Field of view (m/100 m)	11,2–4,0
Eye relief (mm)	90
Diopter compensation (dpt)	+2–3,5
Twilight factor (DIN 58388)	12,0–22,4
Korrektur/Klick (mm/100 m)	10
Adjustment Range E/W (m/100 m)	1,3/1,3
Tube diameter (mm)	25,4
Length (mm)	325
Weight (g)	508
Weight SR-Rail (g)	–
Reticle 2. focal plane	4-Dot, G4B
Illuminated	yes

FEATURES



2. focal plane

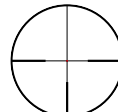


automaticlight

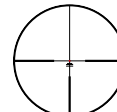


BD-Compensation
(Optional)

RETICLES



4-Dot



G4B





Helia binoculars

Ideal for stalking and hunting in the mountains



8x42, 10x42

The natural, earthy colours, the extremely lightweight, balanced design and ergonomic open bridge and the unique, silent protective binocular case made of high-quality loden cloth are all ideally suited for inconspicuous use and observation in your hunting ground.

Noiseless and easy to use

	8x42	10x42
Magnification	8	10
Objective lens diameter (mm)	42	42
Eye relief (mm)	20	20
Field of view (m/1000m)	126	114
Field of view (°)	7,2	6,5
Field of view apparent (°)	54	54
Exit pupil distance (mm)	5	4
Diopter compensation (dpt)	+/-4	+/-4
Interpupillary distance (mm)	56-73	56-73
Height x Width x Depth approx. (mm)	150x127x51	150x127x51
Weight (g)	750	770
Close focus (m)	2,1	2,1
Twilight factor (ISO 14132-1)	18,33	20,49



PRODUCT HIGHLIGHTS

- :: Natural, earthy colours for discreet use and observation
- :: Lightweight and balanced with ergonomic open-bridge design
- :: Superb image quality in daylight, as well as at dawn or dusk
- :: Robust, fog-free and waterproof
- :: Innovative accessories made of high-quality and noiseless natural materials made by Waldkauz®



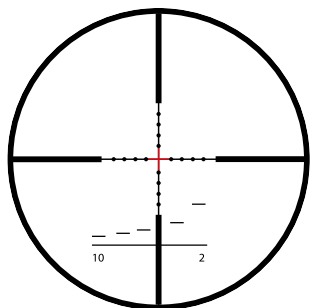
Experience our hunting products and reticles in a realistically environment with our online product configurator!

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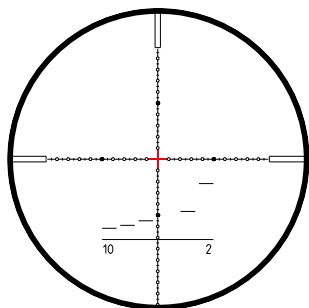


illuminated

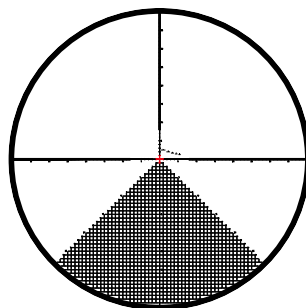
illuminated



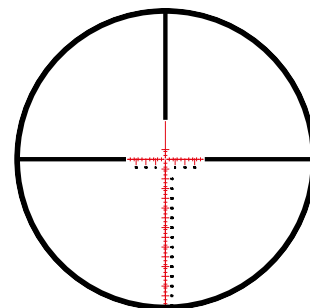
Mil3



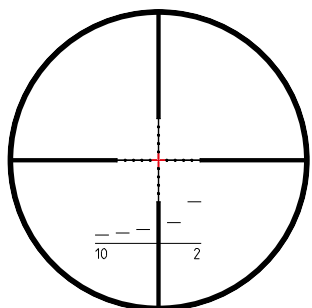
Mil4



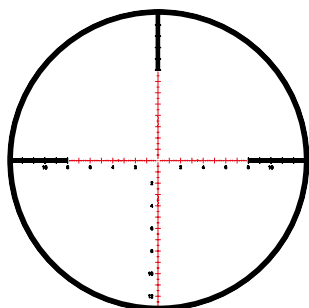
AMR



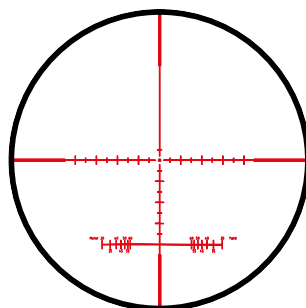
MOAK



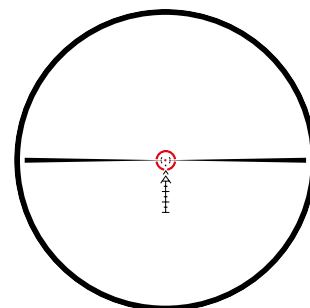
Mil7



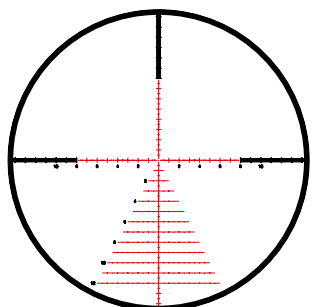
SKMR



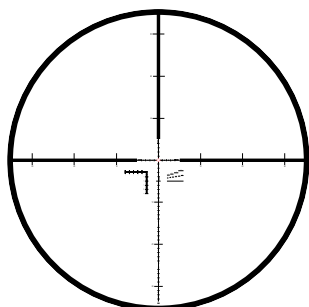
MHR



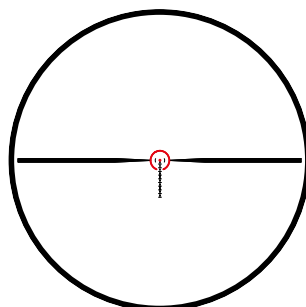
SI1



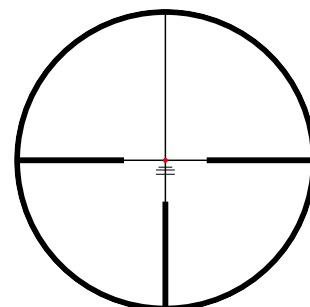
SKMR3



MSR/Ki

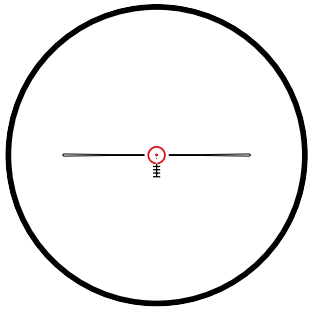


SM1

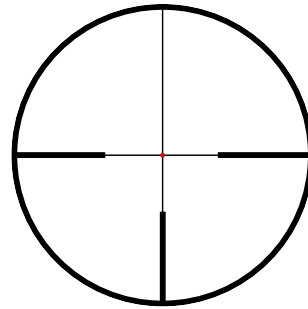


G4B

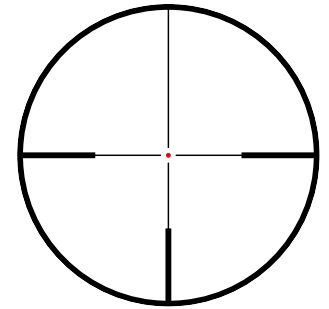
illuminated



Circle Dot



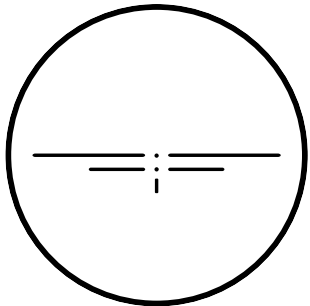
4-Dot



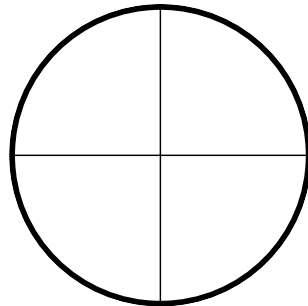
4-DH

illuminated

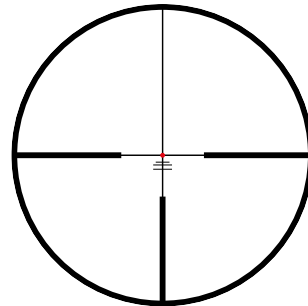
non-illuminated



Double Dot

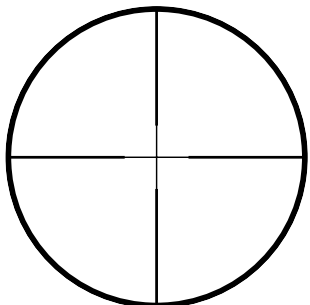


Crosshair Dot

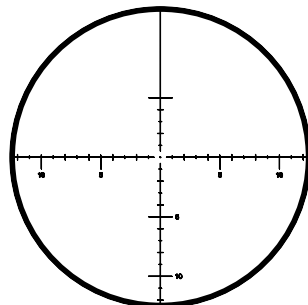


G4B

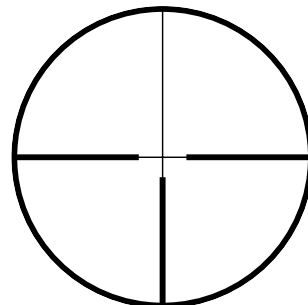
non-illuminated



Plex



MOAK



4A



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Russia Saudi Arabia Turkey UAE

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Denmark Estonia Finland France Germany
Great Britain Hungary Iceland Ireland Italy
Latvia Lithuania Netherlands Norway Poland
Romania Russia Serbia Slovakia Slovenia
Spain Sweden Switzerland Ukraine

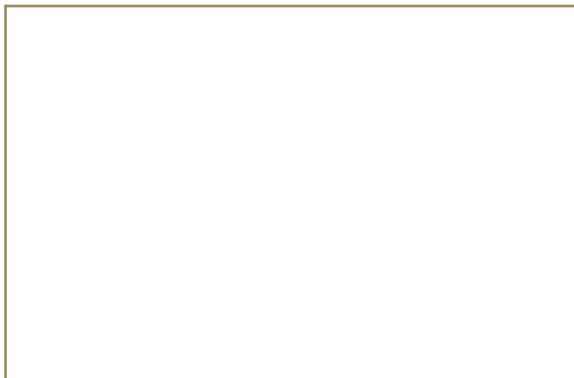
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Australia New Caledonia New Zealand



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