



Product program **2017**



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K 1050, K 1050 MOAK

Sport shooting with extreme magnification 10 – 50 x 56 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 50 x 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

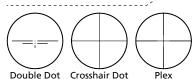
	K 1050	K 1050 MOAK
Magnification	10-50	10-50
Objective lens diameter (mm)	56	56
Field of view (m/100 m)	2,9-0,6	2,9-0,6
Eye relief (mm)	95	95
Diopter compensation (dpt)	+2/-3,5	+2/-3,5
Parallax adjustment (m)	8 till ∞	8 till ∞
Impact correction per click (MOA)	1/8	1/8
Adjustment Range E/W (m/100 m)	1,6/1,2	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





RETICLES









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





RETICLES



*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 industryleading 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
- \dots Patented parallax adjustment integrated in the elevation turret from 50 m to ∞
- .: Illuminated reticle in the first focal plane allow reliable distance and size measurements

High performance in the first focal plane

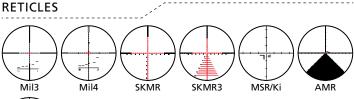
	K 624i	K 624i MOAK
Magnification	6-24	6-24
Objective lens diameter (mm)	56	56
Field of view (m/100 m)	6,8-1,7	6,8-1,7
Eye relief (mm)	90	90
Diopter compensation (dpt)	+2/-3,5	+2/-3,5
Twilight factor (DIN 58388)	18,3-36,7	18,3-36,7
Parallax adjustment (m)	50 till ∞	50 till ∞
Impact correction per click	.1 MRAD	1/4 MOA
Adjustment Range E/W (m/100 m)	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















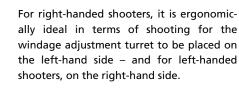
Unparalleled handling and ergonomics

With a centrally arranged parallax wheel and optional rightor 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.





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.

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

Innovative ergonomics in the first focal plane



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 25 m to ∞
- .: Illuminated reticle in the first focal plane allow safe distance and size measurements

Magnification	3-12
Objective lens diameter (mm)	50
Field of view (m/100 m)	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/100 m)	2,5/1,2
Tube diameter (mm)	34
Length (mm)	376
Weight (g)	836
Reticle 1. focal plane	Mil7, MSR/Ki
llluminated	yes

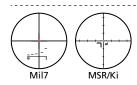
FEATURES







RETICLES





K 16i

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

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.

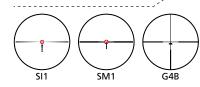
FEATURES





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







K 4i

4 x high performance optics



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 1.5 cm/100 m
- .: Ergonomic design and rugged construction
- .: Three integrated Picatinny (MIL STD 1913) rails for attaching accessories

FEATURES



RETICLES



*Integrated Picatinny mounting rail included with delivery







Automaticlight

Intelligent reticle illumination



Integrated automaticlight function

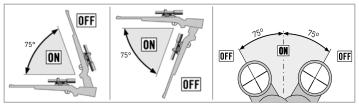
All illuminated hunting riflescopes are equipped with a tilt sensor. This detects whether or not the riflescope is in a shooting position. The sensor transmits this information immediately to the illumination unit and, by doing so, automatically switches the illuminated reticle on or off, in order to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







Noticeable perfection without compromise

Ideal for driven hunt



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

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/100 m)	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









BD-Compensation (Optional)

onal) (Optional)

RETICLES



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 daylight, dusk and dawn guarantee the best possible view and easy target acquisition.





Noticeable perfection without compromise

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.

iviagnification	
Objective lens diameter (mm)	
Field of view (m/100 m)	
Eye relief (mm)	
Diopter compensation (dpt)	
Twilight factor (DIN 58388)	
Impact correction per click (mm/100 m)	
Adjustment Range E/W (m/100 m)	
Tube diameter (mm)	
Length (mm)	
Weight (g)	
Weight SR-Rail (g)	
Reticle 2. focal plane	
Illuminated	

FEATURES

Magnification







2-10 50

21,0-4,1 95 +2/-3,5 6,2-22,4

4-Dot

BD-Compensation (Optional)

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

Top-class for hide/stand hunting

NEW



2,4-12x56i

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

2,4-12
56
16,5-3,3
95
+2/-3,5
7,4-25,9
10
1,9/1,9
30
359
680
704
4-Dot, G4B
yes

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

FEATURES





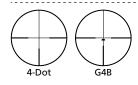




Compensation SR-Rail (Optional) (Optional)

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







High-class classic elegance – 1-inch main tube

Puristic and lightweight



 $3 - 9 \times 42$

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

42
12,1-4,3
90
+2/-3,5
11,2-19,4
10
1,5/1,5
25,4
313
450
-
4A
no

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.

FEATURES





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 scratchresistant surface
- .: The lightest optics in its quality class (450 g)







High-class classic elegance – 1-inch main tube

For stalking and mountains



4-12 x 44i

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)
Weight SR-Rail (g)
Reticle 2. focal plane
Illuminated

4-12
44
9,2-3,3
90
+2/-3,5
13,3-23,0
10
1,1/1,1
25,4
351
485
_
4-Dot, G4B
yes

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.

FEATURES

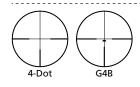






PRODUCT HIGHLIGHTS

- .: Brilliant optics for stalking and hunting in the mountains
- .: 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
- .: 12 x magnification, weighting just 485 g







High-class classic elegance – 1-inch main tube

Classic all-rounder



 $3 - 10 \times 50i$

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)
Weight SR-Rail (g)
Reticle 2. focal plane
Illuminated

3-10
50
11,2-4,0
90
+2/-3,5
12,0-22,4
10
1,3/1,3
25,4
325
508
_
4-Dot, G4B
yes

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.

FEATURES

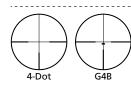






PRODUCT HIGHLIGHTS

- .: 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 scratchresistant surface
- .: Day/night illuminated reticle with intelligent automatic switch-off







Helia binoculars

Noiseless and easy to use

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.

	8 x 42	10 x 42
Magnification	8	10
Objective lens diameter (mm)	42	42
ye relief (mm)	20	20
Field of view (m/1000 m)	126	114
Field of view (°)	7,2	6,5
ield of view apparent (°)	54	54
exit pupil distance (mm)	5	4
Diopter compensation (dpt)	+/-4	+/-4
nterpupillary distance (mm)	56-73	56-73
Height x Width x Depth approx. (mm)	150 x 127 x 51	150 x 127 x 51
Weight (g)	750	770
Close focus (m)	2,1	2,1
wilight 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®



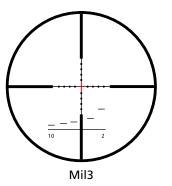


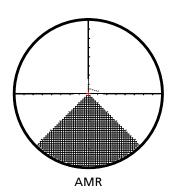


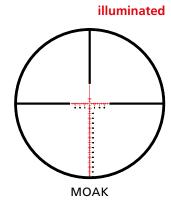


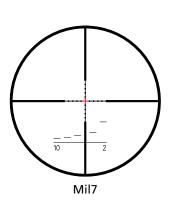


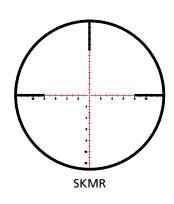
illuminated

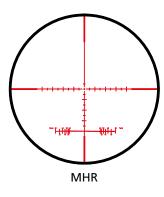


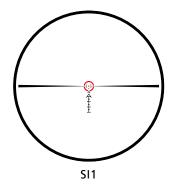


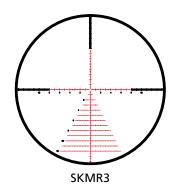


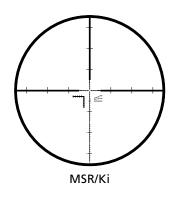


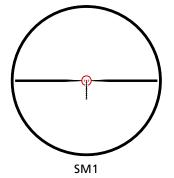


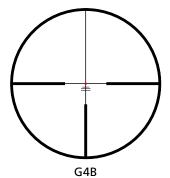






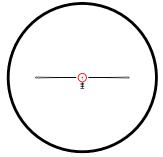




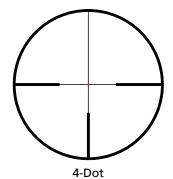


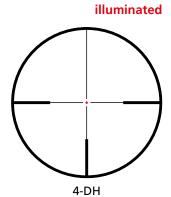


illuminated

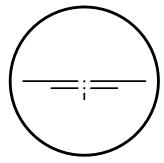


Cirle Dot

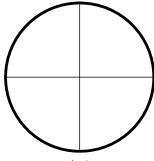




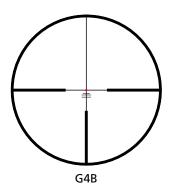
non-illuminated



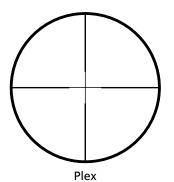
Double Dot

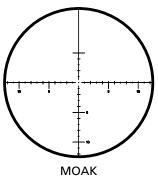


Crosshair Dot



non-illuminated





4A

42



THE RIFLESCOPE PIONEER®

Africa				
Mauritius	Namibia	South Africa		
America				
Argentina	Canada	Chile	USA	
Asia				
Japan	Jordan	Kazakhstan	Kirghizia	Philippines
Russia	Saudi Arabia	Turkey	UAE	
Europe				
Austria	Belgium	Bulgaria	Croatia	Czech Republic
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	
Oceania				
Australia	New Caledonia	New Zealand		



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