



2 0 1 6 - 2 0 1 7
Riflescopes and Laser Rangefinders



Sport Optics

Meet the challenge head-on

All you need is the right equipment.

The perfect integration of optical and mechanical design is what creates the finest sport optics.

That's why, when the season in the great outdoors begins, you'll be absolutely ready for the action with Nikon.

Table of Contents

Riflescopes

MONARCH	pp 5 – 6
MONARCH	p 7
MONARCH	p 8
PROSTAFF	p 10
PROSTAFF	p 11
PROSTAFF	p 12

Laser Rangefinders	pp 14 – 17
--------------------	------------

Technical Data	pp 18 – 31
----------------	------------



MONARCH

MONARCH 7 riflescopes reign as Nikon's top level of riflescopes, and were developed taking full advantage of Nikon's performance-proven optical technologies. They feature an extremely wide field of view, large eyepiece diameter and long eye relief, realising quick and comfortable targeting even in low-light conditions or for moving game. Simple and precise reticle adjustment is ensured by hand-turn elevation and windage turrets with instant zero-reset function. Toughness and durability can be relied on even in severe conditions. For MONARCH 7 illuminated reticle models, the illumination control section is compact and smartly designed. Simple button operation enables adjustment of lighting intensity or power on/off. Rail mount models are also available (1-4x24 IL ZR and 2.5-10x50SF IL ZR).

Waterproof, fogproof, shockproof

The nitrogen-gas-filled body is robust and designed to withstand hard use.

Multilayer-coated lenses for outstanding light transmission

Nikon's advanced multilayer-coated lenses increase light transmission for brighter, clearer images with well-balanced colour.



Smart, compact design of the illumination control section

The user-friendly illumination control section is ergonomically designed. Lighting intensity can be adjusted in 32 steps, from dim to bright, via simple button operation.

Hand-turn elevation and windage adjustments

Reticle easily adjusted with a simple turn of the turret.



MONARCH 7 2.5-10x50SF IL

Side focus parallax adjustment for quicker, easier operation

Parallax adjustment dial is positioned on the side of the scope for greater convenience.

Quick-focus eyepieces

Adjustments are extremely easy and unintentional movements are greatly reduced.



The reticle is positioned on the second focal plane

When the target is magnified, the reticle size remains the same.

MONARCH 7



Key features

(Common features)

- Remarkably wide field of view
- Large-diameter eyepiece with long eye relief throughout the magnification range ensures comfortable targeting
- Features a 30mm tube diameter and 4x zoom ratio
- Fully multicoated lenses enhance light transmission for bright, clear images with well-balanced colour
- Hand-turn elevation and windage adjustments with instant zero-reset function enable easy and accurate reticle adjustment with a mere turn of the turret
- Side focus with locking system for parallax adjustment secures precise focusing under various conditions (2.5-10x50SF, 2.5-10x50SF IL, 2.5-10x50SF IL ZR, 3-12x56SF IL, 4-16x50SF IL)
- Quick-focus eyepiece for extremely simple adjustment
- Lightweight and durable one-piece main body
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions

(Illuminated reticle models only)

- Nikon's original illuminated dot offers a remarkably wide range of intensity in 32 gradual steps, from extremely dim to very bright settings, to accommodate any hunting environment
- Illumination will automatically shut off after approximately two hours of non-operation
- User-friendly, ergonomically designed illumination control section for adjustment of lighting intensity and power on/off via smooth, simple button operation
- The eyepiece cap can be used as a battery cap opener as well
- Rail mount models (Zeiss Inner Rail Standard) are available (1-4x24 IL ZR and 2.5-10x50SF IL ZR)



Interchangeable high-profile turrets



Sunshade

Accessory availability

		1-4x24	1-4x24 IL	1-4x24 IL ZR	1.5-6x42	1.5-6x42 IL	2.5-10x50SF	2.5-10x50SF IL	2.5-10x50SF IL ZR	3-12x56SF IL	4-16x50SF IL
Eyepiece/objective caps		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Elevation adjustment	High-profile turret	●	●	●	●	●	✓	✓	✓	✓	✓
	High-profile turret cap	●	●	●	●	●	✓	✓	✓	✓	✓
Windage adjustment	High-profile turret	●	●	●	●	●	✓	✓	✓	✓	✓
	High-profile turret cap	●	●	●	●	●	✓	✓	✓	✓	✓
Sunshade		—	—	—	●	●	✓	✓	✓	✓	✓

✓: Supplied ●: Optional —: Not applicable

MONARCH 5



The MONARCH 5 riflescopes provide a 5x zoom ratio and utilise Nikon's ED (Extra-low Dispersion) glass that effectively compensates for chromatic aberration to deliver images of superior contrast. They employ fully multilayer-coated lenses for bright, clear images with well-balanced colour.

These riflescopes adopt the Advanced BDC reticle. In addition to the highly acclaimed distance index, it offers windage markers for the corresponding distance index as a reliable benchmark to compensate for distance and windage.

Key features

- Extra-low dispersion (ED) glass for chromatic aberration compensation and clearer viewing provides images of superior contrast and outstanding resolution
- Highly versatile 5x zoom range in a 25.4 mm tube diameter
- Advanced BDC reticle offers windage markers for the corresponding distance index as a reliable benchmark to compensate for distance and windage
- Fully multicoated lenses enhance light transmission for bright, clear images with well-balanced colour
- Precise elevation and windage adjustments with spring-loaded, instant zero-reset function enable simple settings
- Generous eye relief ensures comfortable operation in diverse situations
- Side focus with locking system for parallax adjustment allows quick focus from a shooting position (3-15x42ED SF, 3-15x50ED SF, 4-20x50ED SF, 5-25x50ED SF, 6-30x50ED SF)
- Quick-focus eyepiece for extremely easy adjustment
- Flip-open eyepiece and objective caps supplied with all models ensure smooth operation as well as reliable lens protection
- Lightweight and durable one-piece main body
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions
- Sunshade is included with the 3-15x50ED SF, 4-20x50ED SF, 5-25x50ED SF and 6-30x50ED SF

Accessory availability

		2-10x42ED	2-10x50ED	3-15x42ED SF	3-15x50ED SF	4-20x50ED SF	5-25x50ED SF	6-30x50ED SF
Eyepiece/objective caps (flip-open)		✓	✓	✓	✓	✓	✓	✓
Elevation adjustment	High-profile turret	●	●	●	✓	✓	✓	✓
	High-profile turret cap	●	●	●	✓	✓	✓	✓
Windage adjustment	High-profile turret	●	●	●	✓	✓	✓	✓
	High-profile turret cap	●	●	●	✓	✓	✓	✓
Sunshade		●	●	●	✓	✓	✓	✓

✓: Supplied ●: Optional —: Not applicable

* For specifications and reticle subtensions, see pp 19-21.

MONARCH



The MONARCH 3 series provides a wide product range with a broad spectrum of features. All models boast a 4x zoom ratio, with quick focus, eye relief of 10cm, larger eyepiece lens, larger mount space, flip-open eyepiece and objective caps. Hand-turn elevation and windage reticle adjustments with spring-loaded, instant zero-reset function make it easy to achieve precise settings. The ruggedly built body provides superior durability for reliable use under various conditions. Most important, though, is the fact that each scope delivers an excellent field of view, with bright, high-contrast images.

Key features

- Versatile riflescopes featuring 25.4mm tube diameter
- Fully multicoated lenses deliver outstanding light transmission for bright, clear images with well-balanced colour
- 4x zoom ratio with smooth zoom control while viewing magnification setting from any shooting position
- Precise elevation and windage adjustments with spring-loaded, instant zero-reset function enable simple settings
- Generous eye relief ensures comfortable operation in diverse situations
- Quick-focus eyepiece for extremely easy adjustment
- Flip-open eyepiece and objective caps supplied with all models ensure smooth operation as well as reliable lens protection
- Side focus with locking system for parallax adjustment secures precise focusing under various conditions (3-12x42SF, 4-16x42SF, 4-16x50SF, 5-20x44SF, 6-24x50SF)
- Lightweight and durable one-piece main body
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions



Flip-open eyepiece and objective caps



Interchangeable turrets
(Easy-grip turret has 1/8 MOA imprints.)



Sunshade

Accessory availability

		1-4x20	2-8x32	2.5-10x42	2.5-10x50	3-12x42SF	4-16x42SF	4-16x50SF	5-20x44SF	6-24x50SF
Eyepiece/objective caps (flip-open)		✓	✓	✓	✓	✓	✓	✓	✓	✓
Elevation adjustment	High-profile turret	—	●	●	●	●	●	●	✓	✓
	High-profile turret cap	—	●	●	●	●	●	●	✓	✓
	Easy-grip turret	—	—	—	—	—	—	—	✓	✓
Windage adjustment	High-profile turret	—	—	—	—	—	—	—	✓	✓
	High-profile turret cap	—	—	—	—	—	—	—	✓	✓
	Easy-grip turret	—	—	—	—	—	—	—	✓	✓
Sunshade		—	—	●	●	●	●	●	✓	✓

✓: Supplied ●: Optional —: Not applicable

* For specifications and reticle subtensions, see pp 22-25.



PROSTAFF 7



PROSTAFF 7 riflescopes feature 30-mm tube diameter, 4x zoom ratio and an extensive range of effective elevation and windage adjustments, realising adjustment for even more distant subjects. Also, they provide sufficient field of view to capture the target, whether for mid-range or long-range shooting. Both of these features were designed to meet the diverse demands of mid- to long-distance shooters. Nikon's fully multilayer-coated lenses deliver a bright field of view. The side focus parallax adjustment enables quick and accurate focusing. Hand-turn elevation and windage adjustments with spring-loaded, instant zero-reset function ensure simple settings. For illuminated reticle models, the adjustment graduation is designed as 1cm for 100m, which is favoured by European users, who are more familiar with it. The spring-loaded instant zero-reset adjustment ensures simple settings.

Key features

(Common features)

- Features a 30mm tube diameter and 4x zoom ratio
- Broader range of elevation and windage adjustment
- Fully multicoated lenses deliver superior light transmission for bright, clear images with well-balanced colour
- Precise elevation and windage adjustments with spring-loaded, instant zero-reset function enable simple settings
- Generous eye relief ensures comfortable operation in diverse situations
- Side focus parallax adjustment allows quick focus from a shooting position (3-12x42SF, 4-16x42SF, 4-16x50SF, 4-16x50SF IL, 5-20x50SF)
- Quick-focus eyepiece for extremely easy adjustment
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions

(Illuminated reticle models only)

- Nikon's original illuminated dot offers a remarkably wide range of intensity in 32 gradual steps, from extremely dim to very bright settings
- Illumination will automatically shut off after approximately two hours of non-operation
- User-friendly, ergonomically designed illumination control section for adjustment of lighting intensity and power on/off via smooth, simple button operation
- The eyepiece cap can be used as a battery cap opener as well
- Adjustment graduation is 1 click = 10mm at 100m (1-4x24: 15mm at 100m)



Sunshade

Accessory availability

	1-4x24 IL	2.5-10x42	2.5-10x42 IL	2.5-10x50	2.5-10x50 IL	3-12x42SF	4-16x42SF	4-16x50SF	4-16x50SF IL	5-20x50SF
Eyepiece/objective caps	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunshade	—	●	●	●	●	●	✓	✓	✓	✓

✓: Supplied ●: Optional —: Not applicable

PROSTAFF 8



Featuring a 4x zoom ratio, these riflescopes are designed to raise the performance bar even higher. All optics are fully multicoated to deliver excellent light transmission for clear and bright images. Side focus parallax adjustment enables quick and accurate focusing. Hand-turn elevation and windage adjustments with spring-loaded, instant zero-reset function ensure simple settings. Illumination control functions are incorporated in the side focus adjustment section so that stable viewing is ensured during operation. The illuminated reticles offer red and green illumination with five levels of intensity control.

Key features

- Dual illuminated Duplex or BDC reticle offers five intensity levels of both green and red illumination
- Versatile riflescopes featuring 25.4mm tube diameter
- Fully multicoated lenses deliver superior light transmission for bright, clear images with well-balanced colour
- Precise elevation and windage adjustments with spring-loaded, instant zero-reset function enable simple settings
- Generous eye relief ensures comfortable operation in diverse situations
- Quick-focus eyepiece for extremely easy adjustment
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions



Interchangeable high-profile turrets



Sunshade

Accessory availability

	3.5-14x50SF IL	4.5-18x40SF IL
Eyepiece/objective caps	✓	✓
Elevation adjustment	High-profile turret	●
	High-profile turret cap	✓
Windage adjustment	High-profile turret	—
	High-profile turret cap	✓
Sunshade	●	✓

✓: Supplied ●: Optional —: Not applicable

* For specifications and reticle subtensions, see pp 25-29.

PROSTAFF



Whether you hunt with a rifle, shotgun or rimfire, the PROSTAFF series offers an ideal model for any and all shooting needs. Nikon's BDC reticle helps to accurately determine the correct hold point before you take your shot, and provides reliable aiming points out to 457m. Superior lenses ensure edge-to-edge sharpness, and all lenses are multicoated to deliver greatly enhanced light transmission for a brighter field of view. Precise elevation and windage adjustments* with spring-loaded, instant zero-reset function enable simple settings.

* 7mm at 100m (7mm at 50m with 4x32)

- Versatile riflescopes featuring 25.4mm tube diameter
- Fully multicoated lenses deliver superior light transmission for bright, clear images with well-balanced colour
- Precise elevation and windage adjustments with spring-loaded, instant zero-reset function enable simple settings
- Generous eye relief ensures comfortable operation in diverse situations
- Quick-focus eyepiece for extremely easy adjustment
- Waterproof, fogproof and shockproof for exceptional performance under diverse conditions

Target EFR 3-9x40AO

*Colour: Matte
Reticle: Precision*

Excellent for air rifles and rimfire rifles. Features an adjustable objective focusing function from 9m. to infinity with Nikon's Precision reticle.

* This product may not be available in some areas.



* For specifications and reticle subtensions, see pp 29-30.



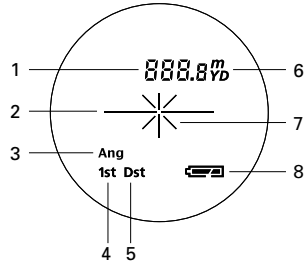
PROSTAFF

ID Technology displays horizontal distance and actual distance — achieving long-distance measurement up to 1,200m (1,300 yd.)

- Measurement range: 7.3-1,200m/8-1,300 yd.
- Horizontal Distance display mode and Actual Distance display mode can be easily switched — ID (incline/decline) Technology
- Target Priority Switch System for measuring overlapping subjects:
First Target Priority mode displays the distance of the closest subject — useful when measuring the distance to a subject in front of an overlapping background.
Distant Target Priority mode displays that of the farthest subject — useful in wooded areas.
- Quick and stable measurement response regardless of distance — HYPER READ
- Displays the measurement result in approx. 0.5 second
- Single or continuous measurement (up to 8 seconds)
- Compact, lightweight and ergonomic design
- High-quality 6x monocular with multilayer coating for bright, clear images
- Large ocular for easy viewing (18mm)
- Wide field of view (7.5 degrees)
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Waterproof (up to 1m/3.3 ft. for 10 minutes), but not for underwater usage; the battery chamber is water-resistant
- Wide temperature tolerance: -10°C to +50°C

Internal display

- 1. Distance
- 2. Target mark (—|—)
- 3. Horizontal Distance mode
- 4. First Target Priority mode
- 5. Distant Target Priority mode
- 6. Unit of measure (m/yd.)
- 7. Laser irradiation mark (X)
- 8. Battery condition



Display mode cycle



PROSTAFF 7i



PROSTAFF 3i

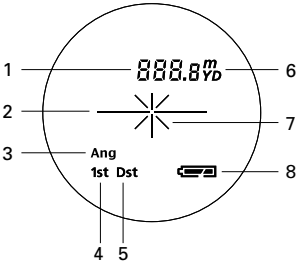
PROSTAFF

Easy-to-hold, ergonomically designed body plus ID Technology

- Measurement range: 7.3-590m/8-650 yd.
- Horizontal Distance display mode and Actual Distance display mode can be easily switched — ID (incline/decline) Technology
- Target Priority Switch System for measuring overlapping subjects:
First Target Priority mode displays the distance of the closest subject — useful when measuring the distance to a subject in front of an overlapping background.
Distant Target Priority mode displays that of the farthest subject — useful in wooded areas.
- Quick and stable measurement response regardless of distance — HYPER READ
- Displays the measurement result in approx. 0.5 second
- Distance measurement display step is 0.1m/yd.
- Single or continuous measurement (up to 8 seconds)
- Compact, lightweight and ergonomic design
- High-quality 6x monocular with multilayer coating for bright, clear images
- Large ocular for easy viewing (18mm)
- Wide field of view (7.5 degrees)
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Rainproof — JIS/IEC protection class 4 (IPX4) equivalent (under our testing conditions)
- Wide temperature tolerance: -10°C to +50°C

Internal display

- 1. Distance
- 2. Target mark (—|—)
- 3. Horizontal Distance mode
- 4. First Target Priority mode
- 5. Distant Target Priority mode
- 6. Unit of measure (m/yd.)
- 7. Laser irradiation mark (X)
- 8. Battery condition



Display mode cycle



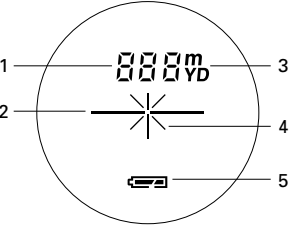
ACULON

Compact laser rangefinder with Distant Target Priority mode

- Measurement range: 5-500m/6-550 yd.
- Distant Target Priority mode is employed.
When measuring overlapping subjects, the distance of the farthest subject is displayed — useful in wooded areas.
- Compact, lightweight (approx. 125g) and ergonomic design
- Distance measurement display step is 1m/yd.
- High-quality 6x monocular with multilayer coating for bright, clear images
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Single or continuous measurement (up to 20 seconds)
- Rainproof — JIS/IEC protection class 4 (IPX4) equivalent (under our testing conditions)
- Wide temperature tolerance: -10°C to +50°C

Internal display

- 1. Distance
- 2. Target mark (—|—)
- 3. Unit of measure (m/yd.)
- 4. Laser irradiation mark (X)
- 5. Battery condition



ACULON

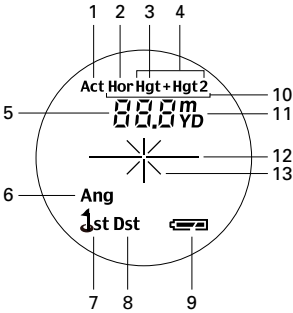
Forestry Pro

Ideal for basic forestry and land surveys — display in metres, yards or feet

- Measurement range: 10-500m/11-550 yd./33-999 ft.
- In addition to actual distance, horizontal distance, height, angle and vertical separation (difference in height between two targets) measurement functions, three-point measurement (height between two points) is available
- The results are displayed on both internal and external LCD panels. The external panel displays all results simultaneously.
- Target Priority Switch System for measuring overlapping subjects:
First Target Priority mode displays the distance of the closest subject — useful when measuring the distance to a subject in front of an overlapping background.
Distant Target Priority mode displays that of the farthest subject — useful in wooded areas.
- High-quality 6x monocular with multilayer coating produces bright, clear images
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Single or continuous measurement (up to 20 seconds)
- Waterproof (up to 1 meter for 10 minutes) but not for underwater usage; the battery chamber is water resistant
- Wide temperature tolerance: -10°C to +50°C

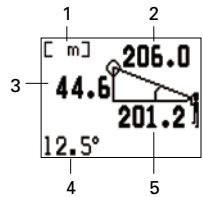
Internal display

1. Actual Distance
2. Horizontal Distance
3. Height
4. Height between two points
5. Distance
6. Angle
7. First Target Priority mode
8. Distant Target Priority mode
9. Battery condition
10. Three-point measurement
11. Unit of measure (m/yd.)
(No unit displayed for ft.)
12. Target mark (—|—)
13. Laser irradiation mark (×)



External display

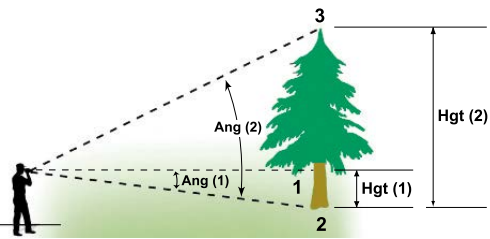
1. Measurement unit (m/yd./ft.)
2. Actual Distance
3. Height
4. Angle (°)
5. Horizontal Distance



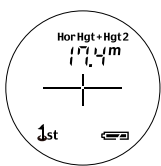
Forestry Pro



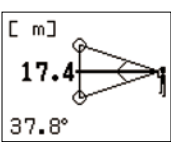
Measurement example (Three-point measurement: height between two points)



Internal display

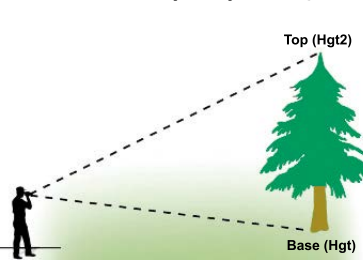


External display

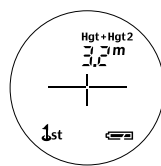


When three-point measurement is achieved, the height between points 2 and 3 is displayed on the internal LCD with Hor Hgt+Hgt2 (solid), and Hgt(2) and Ang(2) are shown on the external LCD. Points 2 and 3 can be reversed.

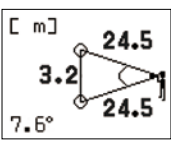
Measurement example (2-point height measurement)



Internal display



External display



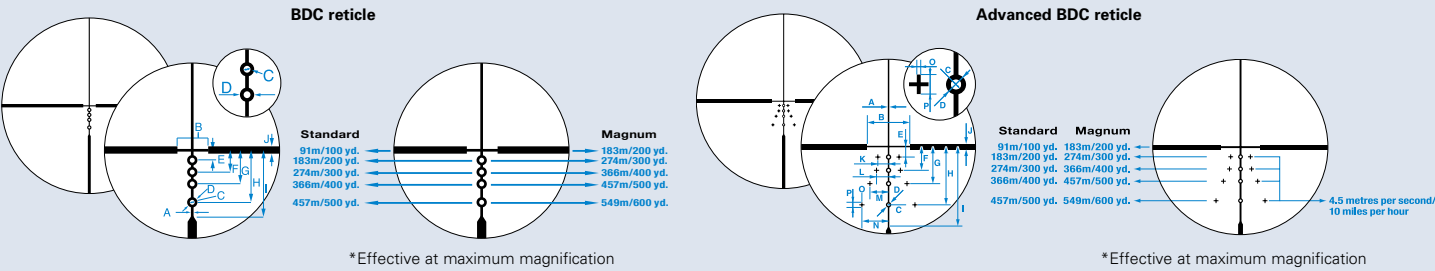
When the measurement is successful, you see the height from the base to the top displayed on the internal LCD with Hgt + Hgt2 (solid). For more information, refer to the external LCD. "Base" and "Top" can be switched.

* For specifications, see p 31.



Technical Data

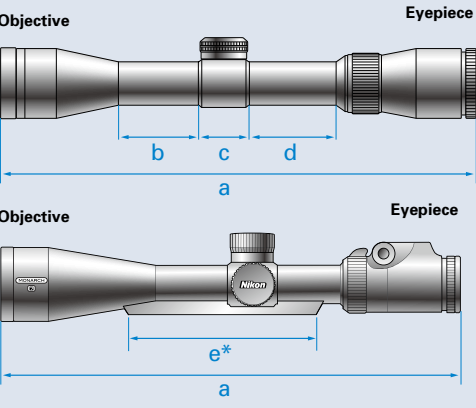
Reticles



Nikon's BDC (Bullet Drop Compensating) reticle has four separate aiming points. By matching each load and each gun to these separate aiming points, the BDC reticle offers very fast, intuitive shooting.

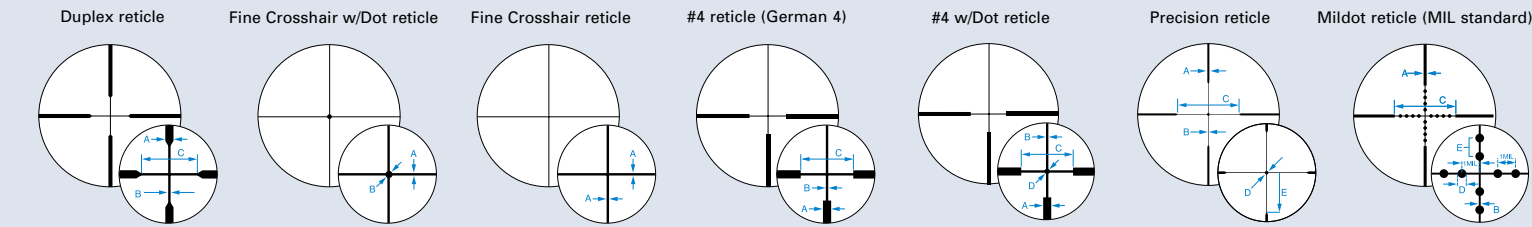
In addition to four separate aiming points along the vertical sight post to compensate for bullet drop at extended ranges, the Advanced BDC reticle has windage markers for four separate aiming points on both the left and right sides of the post that are calibrated for 4.5-metre/second/10-mile-per-hour crosswinds when the rifle is zeroed in at either 91 metres/100 yards or 183 metres/200 yards.

Length



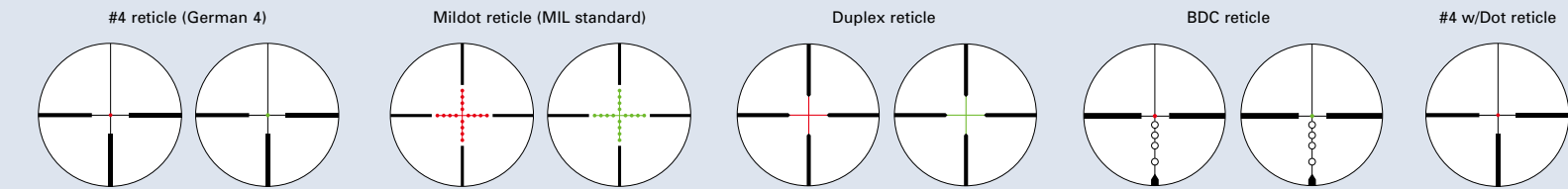
Letters (a) to (e) in the above diagram refer to lengths (a) to (e) shown on the following pages.

*Length of inner rail



Letters A to P in the above diagrams refer to reticle subtensions A to P shown on the following pages.

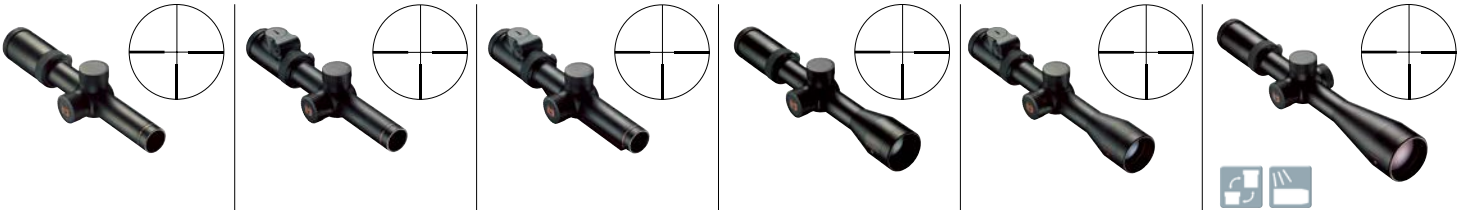
Illuminated Reticles



Icons for supplied accessories

- Flip-open eyepiece and objective caps
- Interchangeable reticle adjustment turrets
- Sunshade

MONARCH





Model name	1-4x24	1-4x24 IL	1-4x24 IL ZR	1.5-6x42	1.5-6x42 IL	2.5-10x50SF
Reticle	#4	#4 w/Dot	#4 w/Dot	#4	#4 w/Dot	#4
Body colour	Matte	Matte	Matte	Matte	Matte	Matte
Actual magnifications	(x) 1-4	(x) 1-4	(x) 1-4	(x) 1.5-6	(x) 1.5-6	(x) 2.5-10
Effective objective diameter	(mm) 24	(mm) 24	(mm) 24	(mm) 42	(mm) 42	(mm) 50
Exit pupil (at maximum magnification)	(mm) 6.0	(mm) 6.0	(mm) 6.0	(mm) 7.0	(mm) 7.0	(mm) 5.0
Eye relief	(mm) 96.5 (at 1x)/94.0 (at 4x)	(mm) 96.5 (at 1x)/94.0 (at 4x)	(mm) 96.5 (at 1x)/94.0 (at 4x)	(mm) 96.5 (at 1.5x)/94.0 (at 6x)	(mm) 96.5 (at 1.5x)/94.0 (at 6x)	(mm) 96.5 (at 2.5x)/94.0 (at 10x)
Tube diameter	(mm) 30.0	(mm) 30.0	(mm) 30.0	(mm) 30.0	(mm) 30.0	(mm) 30.0
Objective outside diameter	(mm) 30.0	(mm) 30.0	(mm) 30.0	(mm) 49.3	(mm) 49.3	(mm) 57.3
Eyepiece outside diameter	(mm) 44.0	(mm) 44.0	(mm) 44.0	(mm) 44.0	(mm) 44.0	(mm) 44.0
Adjustment graduation	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4	(mm/1 Click) 7mm @100m (MOA/1 Click) 1/4
Max. internal adjustment	(MOA) 236	(MOA) 236	(MOA) 236	(MOA) 156	(MOA) 156	(MOA) 92
Parallax setting	(m) 91.44	(m) 91.44	(m) 91.44	(m) 91.44	(m) 91.44	(m) 45.72 to ∞
Field of view at 100m	(m) 39.9 (at 1x)/9.9 (at 4x)	(m) 39.9 (at 1x)/9.9 (at 4x)	(m) 39.9 (at 1x)/9.9 (at 4x)	(m) 26.4 (at 1.5x)/6.6 (at 6x)	(m) 26.4 (at 1.5x)/6.6 (at 6x)	(m) 15.8 (at 2.5x)/3.9 (at 10x)
Length (a)	(mm) 267	(mm) 267	(mm) 267	(mm) 311	(mm) 311	(mm) 349
Mount length (b)	(mm) 76	(mm) 76	(mm) -	(mm) 54	(mm) 54	(mm) 54
Mount length (c)	(mm) 38	(mm) 38	(mm) -	(mm) 38	(mm) 38	(mm) 38
Mount length (d)	(mm) 47	(mm) 47	(mm) -	(mm) 47	(mm) 47	(mm) 47
Mount length (e)	(mm) -	(mm) -	(mm) 210	(mm) -	(mm) -	(mm) -
Weight	(g) 490	(g) 520	(g) 560	(g) 560	(g) 590	(g) 670

	Magnification (x)	1	4	1	4	1	4	1.5	6	1.5	6	2.5	10
	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)
Reticle subtensions (cm at 100 metres)	A	51.04	12.76	51.04	12.76	51.04	12.76	34.03	8.51	34.03	8.51	20.46	5.12
	B	10.01	2.50	10.01	2.50	10.01	2.50	6.67	1.67	6.67	1.67	4.00	1.00
	C	400.32	100.08	400.32	100.08	400.32	100.08	266.88	66.72	266.88	66.72	160.13	40.03
	D	-	-	21.02	5.25	21.02	5.25	-	-	14.01	3.50	-	-
	E	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
	G	-	-	-	-	-	-	-	-	-	-	-	-
	H	-	-	-	-	-	-	-	-	-	-	-	-
	I	-	-	-	-	-	-	-	-	-	-	-	-
	J	-	-	-	-	-	-	-	-	-	-	-	-
	K	-	-	-	-	-	-	-	-	-	-	-	-
	L	-	-	-	-	-	-	-	-	-	-	-	-
	M	-	-	-	-	-	-	-	-	-	-	-	-
	N	-	-	-	-	-	-	-	-	-	-	-	-
	O	-	-	-	-	-	-	-	-	-	-	-	-
	P	-	-	-	-	-	-	-	-	-	-	-	-

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.

Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

	MONARCH 				MONARCH 							
												
Model name	2.5-10x50SF IL	2.5-10x50SF IL ZR	3-12x56SF IL	4-16x50SF IL	2-10x42ED	2-10x50ED	3-15x42ED SF	3-15x50ED SF	4-20x50ED SF	5-25x50ED SF	6-30x50ED SF	6-30x50ED SF
Reticle	#4 w/Dot	#4 w/Dot	#4 w/Dot	#4 w/Dot	Advanced BDC	Advanced BDC	Advanced BDC	Advanced BDC	Advanced BDC	Advanced BDC	Advanced BDC	Fine Crosshair with Dot
Body colour	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte
Actual magnifications	(x) 2.5-10	2.5-10	3-12	4-16	2-9.8	2-9.8	3-14.8	3-14.8	4-19.7	5-24.6	6-29.5	6-29.5
Effective objective diameter	(mm) 50	50	56	50	42	50	42	50	50	50	50	50
Exit pupil (at maximum magnification)	(mm) 5.0	5.0	4.7	3.1	4.3	5.1	2.8	3.4	2.5	2.0	1.7	1.7
Eye relief	(mm) 96.5 (at 2.5x)/94.0 (at 10x)	96.5 (at 2.5x)/94.0 (at 10x)	94.0 (at 3x)/94.0 (at 12x)	91.4 (at 4x)/91.4 (at 16x)	99.06 (at 2x)/91.44 (at 9.8x)	99.06 (at 2x)/91.44 (at 9.8x)	99.06 (at 3x)/88.9 (at 14.8x)	99.06 (at 3x)/88.9 (at 14.8x)	99.06 (at 4x)/88.9 (at 19.7x)	99.06 (at 5x)/86.36 (at 24.6x)	99.06 (at 6x)/86.36 (at 29.5x)	99.06 (at 6x)/86.36 (at 29.5x)
Tube diameter	(mm) 30.0	30.0	30.0	30.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
Objective outside diameter	(mm) 57.3	57.3	63.3	57.3	49.3	57.3	49.3	57.3	57.3	57.3	57.3	57.3
Eyepiece outside diameter	(mm) 44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Adjustment graduation	(mm/1 Click) 7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m
	(MOA/1 Click) 1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Max. internal adjustment	(MOA) 92	92	78	58	95	95	65	65	45	35	30	30
Parallax setting	(m) 45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	91.44	91.44	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞
Field of view at 100m	(m) 15.8 (at 2.5x)/3.9 (at 10x)	15.8 (at 2.5x)/3.9 (at 10x)	13.1 (at 3x)/3.3 (at 12x)	9.9 (at 4x)/2.5 (at 16x)	16.6 (at 2x)/3.4 (at 9.8x)	16.7 (at 2x)/3.4 (at 9.8x)	10.9 (at 3x)/2.3 (at 14.8x)	10.9 (at 3x)/2.3 (at 14.8x)	8.2 (at 4x)/1.7 (at 19.7x)	6.7 (at 5x)/1.4 (at 24.6x)	5.5 (at 6x)/1.1 (at 29.5x)	5.5 (at 6x)/1.1 (at 29.5x)
Length (a)	(mm) 349	349	364	375	327	340	347	357	373	382	400	400
Mount length (b)	(mm) 54	–	54	68	45	45	45	45	45	45	45	45
Mount length (c)	(mm) 38	–	38	38	33	33	33	33	33	33	33	33
Mount length (d)	(mm) 47	–	47	47	60	60	60	60	60	60	60	60
Mount length (e)	(mm) –	211	–	–	–	–	–	–	–	–	–	–
Weight	(g) 700	715	730	705	470	530	525	590	605	580	585	585

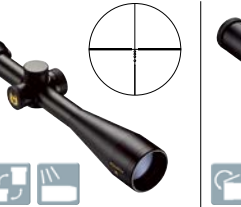
	Magnification (x)	2.5	10	2.5	10	3	12	4	16	2	9.8	2	9.8	3	14.8	3	14.8	4	19.7	5	24.6	6	29.5	6	29.5		
Reticle subtensions (cm at 100 metres)	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
	A	20.46	5.12	20.46	5.12	17.01	4.25	12.79	3.20	3.48	0.70	3.48	0.70	3.48	0.70	3.48	0.70	1.39	0.28	1.39	0.28	1.39	0.28	0.39	0.08		
	B	4.00	1.00	4.00	1.00	3.34	0.83	2.56	0.64	111.20	22.24	111.20	22.24	111.20	22.24	111.20	22.24	111.20	22.24	111.20	22.24	111.20	22.24	3.53	0.71		
	C	160.13	40.03	160.13	40.03	133.44	33.36	100.08	25.02	6.95	1.39	6.95	1.39	6.95	1.39	6.95	1.39	11.12	2.22	11.12	2.22	11.12	2.22	—	—		
	D	8.34	2.09	8.34	2.09	7.01	1.75	5.23	1.31	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	—	—		
	E	—	—	—	—	—	—	—	—	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	—	—
	F	—	—	—	—	—	—	—	—	62.55	12.51	62.55	12.51	62.55	12.51	62.55	12.51	62.55	12.51	62.55	12.51	62.55	12.51	62.55	12.51	—	—
	G	—	—	—	—	—	—	—	—	97.30	19.46	97.30	19.46	97.30	19.46	97.30	19.46	97.30	19.46	97.30	19.46	97.30	19.46	97.30	19.46	—	—
	H	—	—	—	—	—	—	—	—	152.90	30.58	152.90	30.58	152.90	30.58	152.90	30.58	152.90	30.58	152.90	30.58	152.90	30.58	152.90	30.58	—	—
	I	—	—	—	—	—	—	—	—	208.50	41.70	208.50	41.70	208.50	41.70	208.50	41.70	208.50	41.70	208.50	41.70	208.50	41.70	208.50	41.70	—	—
	J	—	—	—	—	—	—	—	—	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	6.95	1.39	6.95	1.39	6.95	1.39	6.95	1.39	—	—
	K	—	—	—	—	—	—	—	—	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	27.80	5.56	—	—
	L	—	—	—	—	—	—	—	—	31.28	6.26	31.28	6.26	31.28	6.26	31.28	6.26	31.28	6.26	31.28	6.26	31.28	6.26	31.28	6.26	—	—
	M	—	—	—	—	—	—	—	—	48.65	9.73	48.65	9.73	48.65	9.73	48.65	9.73	48.65	9.73	48.65	9.73	48.65	9.73	48.65	9.73	—	—
	N	—	—	—	—	—	—	—	—	69.50	13.90	69.50	13.90	69.50	13.90	69.50	13.90	69.50	13.90	69.50	13.90	69.50	13.90	69.50	13.90	—	—
	O	—	—	—	—	—	—	—	—	3.48	0.70	3.48	0.70	3.48	0.70	3.48	0.70	1.39	0.28	1.39	0.28	1.39	0.28	1.39	0.28	—	—
P	—	—	—	—	—	—	—	—	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	13.90	2.78	—	—	

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

	MONARCH 											
												
Model name	1-4x20	1-4x20	2-8x32	2-8x32	2.5-10x42	2.5-10x42	2.5-10x42	2.5-10x50	2.5-10x50	3-12x42SF	3-12x42SF	4-16x42SF
Reticle	#4	BDC	Duplex	BDC	Duplex	Mildot	BDC	Duplex	BDC	Duplex	BDC	Duplex
Body colour	Matte	Matte	Matte	Matte	Matte	Matte	Matte/Silver	Matte	Matte	Matte	Matte	Matte
Actual magnifications (x)	1-4	1-4	2-8	2-8	2.5-10	2.5-10	2.5-10	2.5-10	2.5-10	3-12	3-12	4-16
Effective objective diameter (mm)	20	20	32	32	42	42	42	50	50	42	42	42
Exit pupil (at maximum magnification) (mm)	5.0	5.0	4.0	4.0	4.2	4.2	4.2	5.0	5.0	3.5	3.5	2.6
Eye relief (mm)	104.1 (at 1x)/101.6 (at 4x)	104.1 (at 1x)/101.6 (at 4x)	101.6 (at 2x)/96.5 (at 8x)	101.6 (at 2x)/96.5 (at 8x)	101.6 (at 2.5x)/96.5 (at 10x)	101.6 (at 2.5x)/96.5 (at 10x)	101.6 (at 2.5x)/96.5 (at 10x)	101.6 (at 2.5x)/99.1 (at 10x)	101.6 (at 2.5x)/99.1 (at 10x)	101.6 (at 3x)/94.0 (at 12x)	101.6 (at 3x)/94.0 (at 12x)	101.6 (at 4x)/94.0 (at 16x)
Tube diameter (mm)	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
Objective outside diameter (mm)	25.4	25.4	39.3	39.3	49.3	49.3	49.3	57.3	57.3	49.3	49.3	49.3
Eyepiece outside diameter (mm)	41.0	41.0	41.0	41.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Adjustment graduation (mm/1 Click) (MOA/1 Click)	14mm @100m 1/2	14mm @100m 1/2	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4
Max. internal adjustment (MOA)	120	120	80	80	70	70	70	70	70	60	60	40
Parallax setting (m)	91.44	91.44	91.44	91.44	91.44	91.44	91.44	91.44	91.44	45.72 to ∞	45.72 to ∞	45.72 to ∞
Field of view at 100m (m)	31.0 (at 1x)/7.7 (at 4x)	31.0 (at 1x)/7.7 (at 4x)	15.4 (at 2x)/3.8 (at 8x)	15.4 (at 2x)/3.8 (at 8x)	13.4 (at 2.5x)/3.4 (at 10x)	13.4 (at 2.5x)/3.4 (at 10x)	13.4 (at 2.5x)/3.4 (at 10x)	13.4 (at 2.5x)/3.4 (at 10x)	13.4 (at 2.5x)/3.4 (at 10x)	11.2 (at 3x)/2.8 (at 12x)	11.2 (at 3x)/2.8 (at 12x)	8.4 (at 4x)/2.1 (at 16x)
Length (a) (mm)	237	237	292	292	319	319	319	347	347	333	333	344
Mount length (b) (mm)	50	50	47	47	56	56	56	46	46	58	58	59
Mount length (c) (mm)	31	31	31	31	31	31	31	31	31	34	34	34
Mount length (d) (mm)	54	54	54	54	54	54	54	54	54	54	54	54
Mount length (e) (mm)	–	–	–	–	–	–	–	–	–	–	–	–
Weight (g)	344	344	380	380	470	470	470	510	510	530	530	540

	Magnification (x)	1	4	1	4	2	8	2	8	2.5	10	2.5	10 (MIL)	2.5	10	2.5	10	2.5	10	3	12	3	12	4	16
	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)
Reticle subtensions (cm at 100 metres)	A	73.84	18.46	5.56	1.39	10.45	2.61	2.78	0.70	8.34	2.09	22.24	5.56	2.78	0.70	8.34	2.09	2.78	0.70	7.01	1.75	2.78	0.70	5.23	1.31
	B	7.34	1.83	111.20	27.80	2.67	0.67	111.20	27.80	2.22	0.56	2.78	0.70	77.84	19.46	2.22	0.56	77.84	19.46	1.78	0.44	66.72	16.68	1.33	0.33
	C	370.52	92.63	11.12	2.78	95.97	23.99	16.68	4.17	76.73	19.18	400.32	100.08	16.68	4.17	76.73	19.18	16.68	4.17	63.94	15.99	16.68	4.17	47.93	11.98
	D	–	–	22.24	5.56	–	–	22.24	5.56	–	–	8.01	2.00	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–
	E	–	–	22.24	5.56	–	–	22.24	5.56	–	–	40.03	10.01	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–
	F	–	–	50.04	12.51	–	–	50.04	12.51	–	–	–	–	50.04	12.51	–	–	50.04	12.51	–	–	50.04	12.51	–	–
	G	–	–	77.84	19.46	–	–	77.84	19.46	–	–	–	–	77.84	19.46	–	–	77.84	19.46	–	–	77.84	19.46	–	–
	H	–	–	122.32	30.58	–	–	122.32	30.58	–	–	–	–	122.32	30.58	–	–	122.32	30.58	–	–	122.32	30.58	–	–
	I	–	–	166.80	41.70	–	–	166.80	41.70	–	–	–	–	166.80	41.70	–	–	166.80	41.70	–	–	166.80	41.70	–	–
	J	–	–	11.12	2.78	–	–	11.12	2.78	–	–	–	–	11.12	2.78	–	–	11.12	2.78	–	–	11.12	2.78	–	–
	K	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	N	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	O	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	P	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

	MONARCH 										PROSTAFF 	
												
Model name	4-16x42SF	4-16x42SF	4-16x50SF	4-16x50SF	5-20x44SF	5-20x44SF	6-24x50SF	6-24x50SF	6-24x50SF	6-24x50SF	1-4x24 IL	2.5-10x42
Reticle	Mildot	BDC	Duplex	BDC	Duplex	BDC	Duplex	BDC	Fine Crosshair w/Dot	Fine Crosshair	#4 w/Dot	Duplex
Body colour	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte
Actual magnifications (x)	4-16	4-16	4-16	4-16	5-20	5-20	6-24	6-24	6-24	6-24	1-4	2.5-10
Effective objective diameter (mm)	42	42	50	50	44	44	50	50	50	50	24	42
Exit pupil (at maximum magnification) (mm)	2.6	2.6	3.1	3.1	2.2	2.2	2.1	2.1	2.1	2.1	6.0	4.2
Eye relief (mm)	101.6 (at 4x)/94.0 (at 16x)	101.6 (at 4x)/94.0 (at 16x)	101.6 (at 4x)/94.0 (at 16x)	101.6 (at 4x)/94.0 (at 16x)	101.6 (at 5x)/91.4 (at 20x)	101.6 (at 5x)/91.4 (at 20x)	101.6 (at 6x)/91.4 (at 24x)	101.6 (at 6x)/91.4 (at 24x)	101.6 (at 6x)/91.4 (at 24x)	101.6 (at 6x)/91.4 (at 24x)	104.1 (at 1x)/96.52 (at 4x)	101.6 (at 2.5x)/93.98 (at 10x)
Tube diameter (mm)	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	30.0	30.0
Objective outside diameter (mm)	49.3	49.3	57.3	57.3	52.0	52.0	57.3	57.3	57.3	57.3	30.0	52.3
Eyepiece outside diameter (mm)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Adjustment graduation (mm/1 Click) (MOA/1 Click)	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	3.5mm @100m 1/8	3.5mm @100m 1/8	3.5mm @100m 1/8	3.5mm @100m 1/8	3.5mm @100m 1/8	3.5mm @100m 1/8	15mm @100m 0.54	7mm @100m 1/4
Max. internal adjustment (MOA)	40	40	40	40	34	34	30	30	30	30	350	140
Parallax setting (m)	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	100	91.44
Field of view at 100m (m)	8.4 (at 4x)/2.1 (at 16x)	8.4 (at 4x)/2.1 (at 16x)	8.4 (at 4x)/2.1 (at 16x)	8.4 (at 4x)/2.1 (at 16x)	6.7 (at 5x)/1.7 (at 20x)	6.7 (at 5x)/1.7 (at 20x)	5.6 (at 6x)/1.4 (at 24x)	5.6 (at 6x)/1.4 (at 24x)	5.6 (at 6x)/1.4 (at 24x)	5.6 (at 6x)/1.4 (at 24x)	36.7 (at 1x)/9.1 (at 4x)	14.5 (at 2.5x)/3.6 (at 10x)
Length (a) (mm)	344	344	374	374	357	357	394	394	394	394	267	320
Mount length (b) (mm)	59	59	59	59	56	56	58	58	58	58	77	56
Mount length (c) (mm)	34	34	34	34	34	34	34	34	34	34	32	32
Mount length (d) (mm)	54	54	54	54	54	54	54	54	54	54	53	53
Mount length (e) (mm)	–	–	–	–	–	–	–	–	–	–	–	–
Weight (g)	540	540	550	550	540	540	580	580	580	580	450	520














	Magnification (x)	4	12 (MIL)	16	4	16	4	16	4	16	5	20	5	20	6	24	6	24	6	24	6	24	1	4	2.5	10
	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)
Reticle subtensions (cm at 100 metres)	A	16.88	5.56	4.17	2.78	0.70	5.23	1.31	2.78	0.70	4.23	1.06	2.22	0.56	3.45	0.86	2.22	0.56	0.33	0.08	0.33	0.08	51.04	12.76	8.45	2.11
	B	2.09	0.70	0.52	44.48	11.12	1.33	0.33	44.48	11.12	1.11	0.28	38.92	9.73	0.89	0.22	33.36	8.34	3.45	0.86	–	–	10.12	2.53	2.22	0.56
	C	300.24	100.08	75.06	16.68	4.17	47.93	11.98	16.68	4.17	38.36	9.59	17.79	4.45	32.03	8.01	17.79	4.45	–	–	–	–	400.32	100.08	77.17	19.29
	D	6.00	2.00	1.50	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–	–	–	21.02	5.25	–	–
	E	30.02	10.01	7.51	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–	–	–	–	–	–	–
	F	–	–	–	50.04	12.51	–	–	50.04	12.51	–	–	50.04	12.51	–	–	50.04	12.51	–	–	–	–	–	–	–	–
	G	–	–	–	77.84	19.46	–	–	77.84	19.46	–	–	77.84	19.46	–	–	77.84	19.46	–	–	–	–	–	–	–	–
	H	–	–	–	122.32	30.58	–	–	122.32	30.58	–	–	122.32	30.58	–	–	122.32	30.58	–	–	–	–	–	–	–	–
	I	–	–	–	166.80	41.70	–	–	166.80	41.70	–	–	166.80	41.70	–	–	166.80	41.70	–	–	–	–	–	–	–	–
	J	–	–	–	11.12	2.78	–	–	11.12	2.78	–	–	5.56	1.39	–	–	5.56	1.39	–	–	–	–	–	–	–	–
	K	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	N	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	O	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	P	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

	PROSTAFF 											
												
Model name	2.5-10x42	2.5-10x42 IL	2.5-10x50	2.5-10x50	2.5-10x50 IL	3-12x42SF	3-12x42SF	4-16x42SF	4-16x42SF	4-16x50SF	4-16x50SF	4-16x50SF IL
Reticle	BDC	#4 w/Dot	Duplex	BDC	#4 w/Dot	Duplex	BDC	Duplex	BDC	Duplex	BDC	#4 w/Dot
Body colour	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte
Actual magnifications (x)	2.5-10	2.5-10	2.5-10	2.5-10	2.5-10	3-12	3-12	4-16	4-16	4-16	4-16	4-16
Effective objective diameter (mm)	42	42	50	50	50	42	42	42	42	50	50	50
Exit pupil (at maximum magnification) (mm)	4.2	4.2	5.0	5.0	5.0	3.5	3.5	2.6	2.6	3.1	3.1	3.1
Eye relief (mm)	101.6 (at 2.5x)/93.98 (at 10x)	101.6 (at 2.5x)/93.98 (at 10x)	101.6 (at 2.5x)/93.98 (at 10x)	101.6 (at 2.5x)/93.98 (at 10x)	101.6 (at 2.5x)/93.98 (at 10x)	101.6 (at 3x)/91.44 (at 12x)	101.6 (at 3x)/91.44 (at 12x)	101.6 (at 4x)/91.44 (at 16x)	101.6 (at 4x)/91.44 (at 16x)	101.6 (at 4x)/91.44 (at 16x)	101.6 (at 4x)/91.44 (at 16x)	101.6 (at 4x)/91.44 (at 16x)
Tube diameter (mm)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30	30	30.0
Objective outside diameter (mm)	52.3	52.3	60.3	60.3	60.3	52.3	52.3	52.3	52.3	60.3	60.3	60.3
Eye-piece outside diameter (mm)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Adjustment graduation (mm/1 Click) (MOA/1 Click)	7mm @100m 1/4	10mm @100m 0.36	7mm @100m 1/4	7mm @100m 1/4	10mm @100m 0.36	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	7mm @100m 1/4	10mm @100m 0.36
Max. internal adjustment (MOA)	140	140	140	140	140	120	120	90	90	90	90	90
Parallax setting (m)	91.44	100	91.44	91.44	100	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	50 to ∞
Field of view at 100m (m)	14.5 (at 2.5x)/3.6 (at 10x)	14.5 (at 2.5x)/3.6 (at 10x)	14.5 (at 2.5x)/3.6 (at 10x)	14.5 (at 2.5x)/3.6 (at 10x)	14.5 (at 2.5x)/3.6 (at 10x)	12.1 (at 3x)/3.0 (at 12x)	12.1 (at 3x)/3.0 (at 12x)	9.1 (at 4x)/2.3 (at 16x)	9.1 (at 4x)/2.3 (at 16x)	9.1 (at 4x)/2.3 (at 16x)	9.1 (at 4x)/2.3 (at 16x)	9.1 (at 4x)/2.3 (at 16x)
Length (a) (mm)	320	321	348	348	350	335	335	345	345	375	375	376
Mount length (b) (mm)	56	56	57	57	56	60	60	71	71	84	84	84
Mount length (c) (mm)	32	32	32	32	32	32	32	32	32	32	32	32
Mount length (d) (mm)	53	53	53	53	53	53	53	53	53	53	53	53
Mount length (e) (mm)	–	–	–	–	–	–	–	–	–	–	–	–
Weight (g)	520	535	575	575	590	550	550	550	550	625	625	630

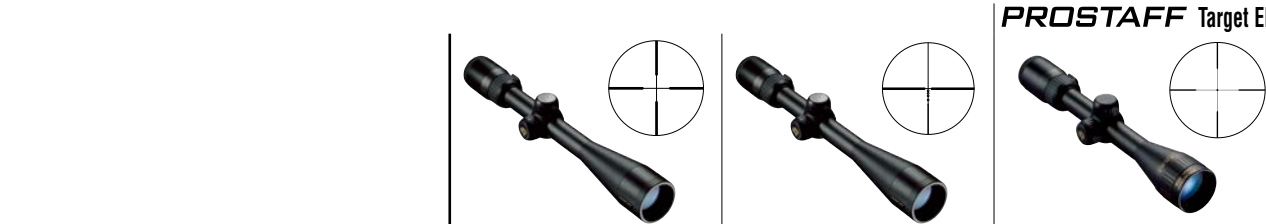
	Magnification (x)	2.5	10	2.5	10	2.5	10	2.5	10	2.5	10	3	12	3	12	4	16	4	16	4	16	4	16	4	16
	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	
Reticle subtensions (cm at 100 metres)	A	2.78	0.70	20.35	5.09	8.45	2.11	2.78	0.70	20.35	5.09	7.01	1.75	2.78	0.70	5.26	1.31	2.78	0.70	5.23	1.31	2.78	0.70	12.79	3.20
	B	77.84	19.46	4.00	1.00	2.22	0.56	77.84	19.46	4.00	1.00	1.78	0.44	66.72	16.68	1.33	0.33	44.48	11.12	1.33	0.33	44.48	11.12	2.56	0.64
	C	16.68	4.17	160.13	40.03	77.17	19.29	16.68	4.17	160.13	40.03	64.38	16.10	16.68	4.17	47.93	11.98	16.68	4.17	47.93	11.98	16.68	4.17	100.08	25.02
	D	22.24	5.56	8.45	2.11	–	–	22.24	5.56	8.45	2.11	–	–	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	5.23	1.31
	E	22.24	5.56	–	–	–	–	22.24	5.56	–	–	–	–	22.24	5.56	–	–	22.24	5.56	–	–	22.24	5.56	–	–
	F	50.04	12.51	–	–	–	–	50.04	12.51	–	–	–	–	50.04	12.51	–	–	50.04	12.51	–	–	50.04	12.51	–	–
	G	77.84	19.46	–	–	–	–	77.84	19.46	–	–	–	–	77.84	19.46	–	–	77.84	19.46	–	–	77.84	19.46	–	–
	H	122.32	30.58	–	–	–	–	122.32	30.58	–	–	–	–	122.32	30.58	–	–	122.32	30.58	–	–	122.32	30.58	–	–
	I	166.80	41.70	–	–	–	–	166.80	41.70	–	–	–	–	166.80	41.70	–	–	166.80	41.70	–	–	166.80	41.70	–	–
	J	11.12	2.78	–	–	–	–	11.12	2.78	–	–	–	–	11.12	2.78	–	–	11.12	2.78	–	–	11.12	2.78	–	–
	K	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	N	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	O	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	P	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

	PROSTAFF 		PROSTAFF 				PROSTAFF															
																						
Model name	5-20x50SF	5-20x50SF	3.5-14x50SF IL	3.5-14x50SF IL	4.5-18x40SF IL	4.5-18x40SF IL	4x32	2-7x32	3-9x40	3-9x40	3-9x50	3-9x50										
Reticle	Duplex	BDC	Illuminated Duplex	Illuminated BDC	Illuminated Duplex	Illuminated BDC	Duplex	Duplex	Duplex	BDC	Duplex	BDC										
Body colour	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte	Matte										
Actual magnifications (x)	5-20	5-20	3.5-14	3.5-14	4.5-18	4.5-18	4	2-7	3-9	3-9	3-9	3-9										
Effective objective diameter (mm)	50	50	50	50	40	40	32	32	40	40	50	50										
Exit pupil (at maximum magnification) (mm)	2.5	2.5	3.6	3.6	2.2	2.2	8	4.6	4.4	4.4	5.6	5.6										
Eye relief (mm)	101.6 (at 5x)/91.44 (at 20x)	101.6 (at 5x)/91.44 (at 20x)	101.6 (at 3.5x)/94.0 (at 14x)	101.6 (at 3.5x)/94.0 (at 14x)	101.6 (at 4.5x)/94.0 (at 18x)	101.6 (at 4.5x)/94.0 (at 18x)	104.0	97.0 (at 2x)/97.0 (at 7x)	91.0 (at 3x)/91.0 (at 9x)	91.0 (at 3x)/91.0 (at 9x)	91.0 (at 3x)/91.0 (at 9x)	91.0 (at 3x)/91.0 (at 9x)										
Tube diameter (mm)	30.0	30.0	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4										
Objective outside diameter (mm)	60.3	60.3	60.3	60.3	50.3	50.3	42.3	42.3	50.3	50.3	60.3	60.3										
Eyeiece outside diameter (mm)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0										
Adjustment graduation (mm/1 Click)	7mm @100m	7mm @100m	7mm @100m	7mm @100m	3.5mm @100m	3.5mm @100m	7mm @50m	7mm @100m	7mm @100m	7mm @100m	7mm @100m	7mm @100m										
(MOA/1 Click)	1/4	1/4	1/4	1/4	1/8	1/8	1/2	1/4	1/4	1/4	1/4	1/4										
Max. internal adjustment (MOA)	70	70	55	55	40	40	80	80	80	80	80	80										
Parallax setting (m)	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72 to ∞	45.72	91.44	91.44	91.44	91.44	91.44										
Field of view at 100m (m)	7.3 (at 5x)/1.8 (at 20x)	7.3 (at 5x)/1.8 (at 20x)	9.5 (at 3.5x)/2.4 (at 14x)	9.5 (at 3.5x)/2.4 (at 14x)	7.5 (at 4.5x)/1.9 (at 18x)	7.5 (at 4.5x)/1.9 (at 18x)	3.7 (@50m)	14.8 (at 2x)/4.3 (at 7x)	11.3 (at 3x)/3.8 (at 9x)	11.3 (at 3x)/3.8 (at 9x)	11.3 (at 3x)/3.8 (at 9x)	11.3 (at 3x)/3.8 (at 9x)										
Length (a) (mm)	380	380	364	364	345	345	291	291	314	314	318	318										
Mount length (b) (mm)	84	84	51	51	51	51	57	52	52	52	53	53										
Mount length (c) (mm)	32	32	35	35	35	35	32	32	32	32	32	32										
Mount length (d) (mm)	53	53	53	53	53	53	60	54	54	54	54	54										
Mount length (e) (mm)	-	-	-	-	-	-	-	-	-	-	-	-										
Weight (g)	610	610	565	565	500	500	370	395	425	425	495	495										

	Magnification (x)	5	20	5	20	3.5	14	3.5	14	4.5	18	4.5	18	4 (@50m)	2	7	3	9	3	9	3	9	3	9	
Reticle subtensions (cm at 100 metres)	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)	
	A	4.23	1.06	2.78	0.70	6.00	1.50	2.78	0.70	4.67	1.17	2.78	0.70	2.97	10.79	3.09	7.17	2.39	2.09	0.70	7.17	2.39	2.09	0.70	
	B	1.11	0.28	44.48	11.12	1.56	0.39	55.60	13.90	1.22	0.31	38.92	9.73	0.81	2.81	0.81	1.86	0.61	66.72	22.24	1.86	0.61	66.72	22.24	
	C	38.92	9.73	16.68	4.17	54.82	13.71	16.68	4.17	42.59	10.65	16.68	4.17	43.09	99.11	28.33	66.08	22.02	12.51	4.17	66.08	22.02	12.51	4.17	
	D	-	-	22.24	5.56	-	-	22.24	5.56	-	-	22.24	5.56	-	-	-	-	-	-	16.68	5.56	-	-	16.68	5.56
	E	-	-	22.24	5.56	-	-	22.24	5.56	-	-	22.24	5.56	-	-	-	-	-	-	16.68	5.56	-	-	16.68	5.56
	F	-	-	50.04	12.51	-	-	50.04	12.51	-	-	50.04	12.51	-	-	-	-	-	-	37.53	12.51	-	-	37.53	12.51
	G	-	-	77.84	19.46	-	-	77.84	19.46	-	-	77.84	19.46	-	-	-	-	-	-	58.38	19.46	-	-	58.38	19.46
	H	-	-	122.32	30.58	-	-	122.32	30.58	-	-	122.32	30.58	-	-	-	-	-	-	91.74	30.58	-	-	91.74	30.58
	I	-	-	166.80	41.70	-	-	166.80	41.70	-	-	166.80	41.70	-	-	-	-	-	-	125.10	41.70	-	-	125.10	41.70
	J	-	-	11.12	2.78	-	-	11.12	2.78	-	-	11.12	2.78	-	-	-	-	-	-	8.34	2.78	-	-	8.34	2.78
	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard



Model name	4-12x40	4-12x40	3-9x40AO
Reticle	Duplex	BDC	Precision
Body colour	Matte	Matte	Matte
Actual magnifications (x)	4-12	4-12	3-9
Effective objective diameter (mm)	40	40	40
Exit pupil (at maximum magnification) (mm)	3.3	3.3	4.4
Eye relief (mm)	94.0 (at 4x)/94.0 (at 12x)	94.0 (at 4x)/94.0 (at 12x)	91.0 (at 3x)/91.0 (at 9x)
Tube diameter (mm)	25.4	25.4	25.4
Objective outside diameter (mm)	50.3	50.3	50.3
Eyeiece outside diameter (mm)	44.0	44.0	44.0
Adjustment graduation (mm/1 Click)	7mm @100m	7mm @100m	7mm @50m
(MOA/1 Click)	1/4	1/4	1/2
Max. internal adjustment (MOA)	60	60	80
Parallax setting (m)	91.44	91.44	9.14 to ∞
Field of view at 100m (m)	7.9 (at 4x)/2.6 (at 12x)	7.9 (at 4x)/2.6 (at 12x)	11.3 (at 3x)/3.8 (at 9x)
Length (a) (mm)	357	357	318
Mount length (b) (mm)	62	62	52
Mount length (c) (mm)	32	32	32
Mount length (d) (mm)	54	54	54
Mount length (e) (mm)	–	–	–
Weight (g)	450	450	445

Reticle subtensions (cm at 100 metres)	Magnification (x)	4	12	4	12	3	9
	Unit	(cm)	(cm)	(cm)	(cm)	(cm)	(cm)
	A	5.39	1.81	2.09	0.70	8.34	2.78
	B	1.39	0.47	50.04	16.68	2.09	0.70
	C	49.57	16.51	12.51	4.17	250.20	83.40
	D	–	–	16.68	5.56	6.26	2.09
	E	–	–	16.68	5.56	125.10	41.70
	F	–	–	37.53	12.51	–	–
	G	–	–	58.38	19.46	–	–
	H	–	–	91.74	30.58	–	–
	I	–	–	125.10	41.70	–	–
	J	–	–	8.34	2.78	–	–
	K	–	–	–	–	–	–
	L	–	–	–	–	–	–
	M	–	–	–	–	–	–
	N	–	–	–	–	–	–
	O	–	–	–	–	–	–
	P	–	–	–	–	–	–

See diagrams on page 18 for indications of lengths (a) to (e) and reticle subtensions A to P.
Abbreviations AO: Adjustable Objective SF: Side Focus parallax adjustment IL: Illuminated Reticle MOA: Minutes of Angle ZR: Zeiss Inner Rail Standard

Model name	PROSTAFF 7i	PROSTAFF 3i	ACULON	Forestry Pro
Measurement range	7.3-1,200m/8-1,300 yd.	7.3-590m/8-650 yd.	5-500m/6-550 yd.	Distance: 10-500m/11-550 yd./33-999 ft. (*999 ft.: 304.5m/333 yd.) Angle: ±89°
Distance display (Increment)	Actual distance: every 0.1m/yd. (shorter than 1,000m/yd.) every 1m/yd. (1,000m/yd. and over)	Actual distance: every 0.1 m/yd.	Actual distance: every 1m/yd.	[Internal Display] Act (Actual Distance): every 0.5m/yd., 1 ft. (shorter than 100m/yd./ft.) every 1m/yd./ft. (100m/yd./ft. and over) Hor (Horizontal Distance) and Hgt (Height): every 0.2m/yd., 0.5 ft. (shorter than 100m/yd./ft.) every 1m/yd./ft. (100m/yd./ft. and over) Ang (Angle): every 0.1° (less than 10°) every 1° (10° and over) *Downward angle from the horizontal line: with display *- [External Display] Act (Actual Distance): every 0.5m/yd., 1 ft. Hor (Horizontal Distance) and Hgt (Height): every 0.2m/yd., 0.5 ft. Ang (Angle): every 0.1°
Accuracy* (actual distance)	±0.5m/yd. (shorter than 600m/yd.) ±1m/yd. (600m/yd. and over, shorter than 1,000m/yd.) ±1.5m/yd. (1,000m/yd. and over)	±0.5m/yd.	±1m/yd. (shorter than 100m/yd.) ±2m/yd. (100m/yd. and over)	±1m/yd. (shorter than 300m/yd./900 ft.) ±0.6% (300m/yd./900 ft. and over)
Finder	Magnification (x)	6	6	6
	Effective objective diameter (mm)	21	21	21
	Actual field of view (°)	7.5	7.5	6.0
	Exit pupil (mm)	3.5	3.5	3.5
	Eye relief (mm)	18.3	18.3	18.2
	Dimensions (L x H x W) (mm)	113 x 70 x 39	112 x 70 x 36	130 x 69 x 45
Weight (excluding battery) (g)	175	160	125	210
Power source	CR2 lithium battery x 1 (DC3V) Auto power shutoff function equipped (after 8 sec.)			CR2 lithium battery x 1 (DC3V) Auto power shutoff function equipped (after 30 sec.)
Laser classification	IEC60825-1: Class 1M Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product			
Electromagnetic compatibility	FCC Part15 SubPartB class B, EU: EMC directive, AS/NZS, VCCI classB, CU TR 020			
Environment	RoHS, WEEE			

The specifications of these products may not be achieved depending on the target object’s shape, surface texture and nature, and/or weather conditions.
* Under Nikon’s measurement conditions.



N.B. Export of the products* in this catalogue may be controlled under the laws and relatives of the exporting country. Appropriate export procedure shall be required in case of export.

*Products: Hardware and its technical information (including software)

The product(s) described herein may not be available in some areas. Please contact your local dealer or Nikon office in your region for further information.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.

The colour of products in this brochure may differ from the actual products due to the colour of the printing ink used.

September 2016
©2016 NIKON VISION CO., LTD.



WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.



Nikon Europe B.V.
Tripolis 100
Burgerweeshuispad 101
1076 ER Amsterdam
The Netherlands

www.europe-nikon.com

NIKON VISION CO., LTD.
Nikon Futaba Bldg.
3-25, Futaba 1-chome
Shinagawa-ku
Tokyo 142-0043
Japan

www.nikon.com/sportoptics

En

Printed in the Netherland
Code number: SO-201606