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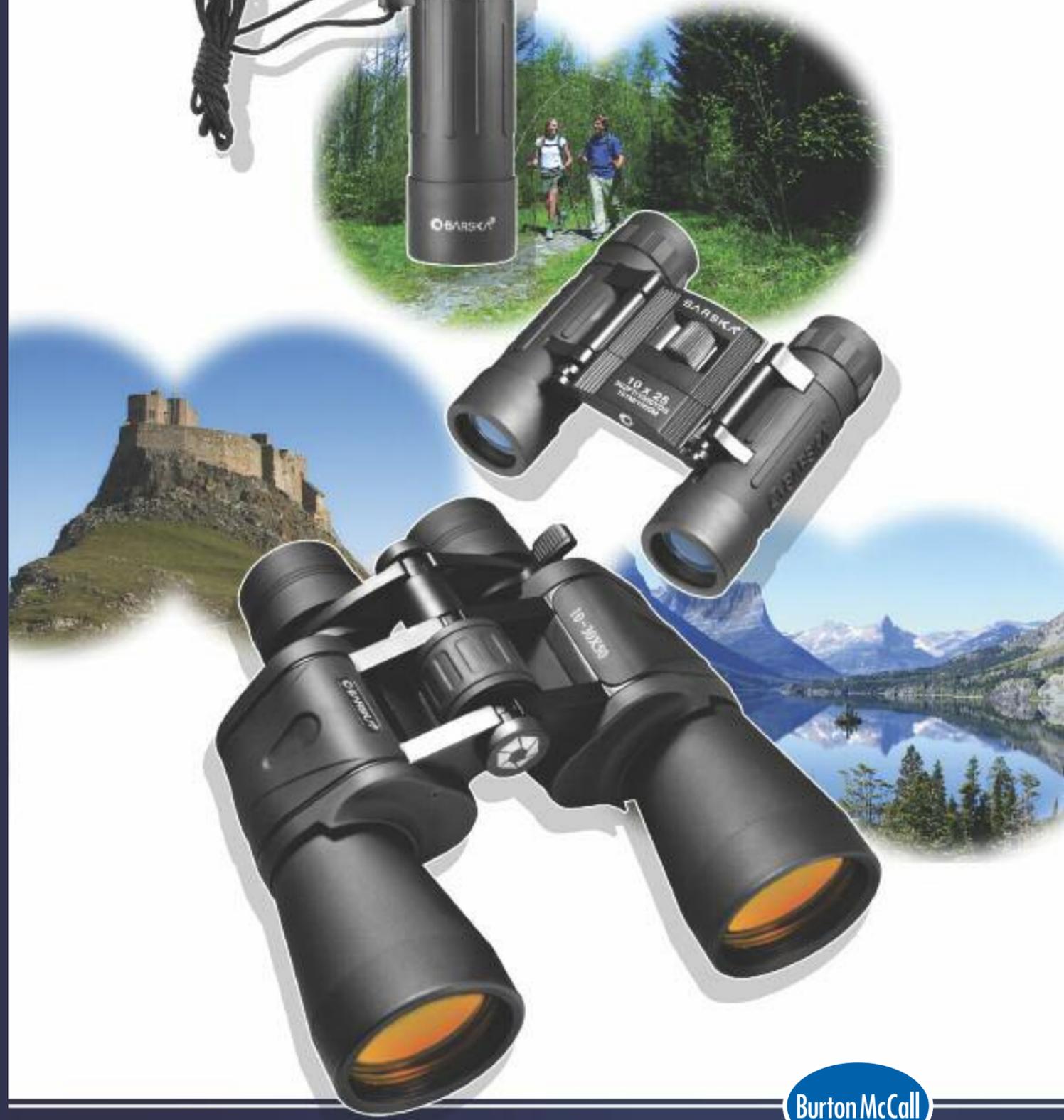
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Burton McCall



Burton McCall



Since 1994

Since 1994 **BARSKA** has established itself as one of the most recognised and popular sport optics brands. At **BARSKA**, value, quality and new technology are the driving forces of our product development philosophy. We recognise that our customers enjoy active lifestyles and have diverse interests and hobbies. That is why we go to great lengths to develop and offer a range of sport optics products as diverse as our customers.

We hope that this Product Directory provides you with all of the information and insight you need to select the **BARSKA** binocular, that best meets your needs. We are here to provide you with the technical and customer support to ensure your continued enjoyment of the **BARSKA** product that you select.

Key to Symbols

Use this icon system to quickly identify which binocular best suits your viewing needs.

-  Bird Watching
-  Travel
-  Evening Light
-  Fast Sports
-  Hiking
-  General Sport
-  Waterproof
-  Country Sport
-  General Use

“Optics products as diverse as the customers who use them”

8x22WP
Golf Scope
AA10199 Clam



Blueline Golf Scope



Golfscope Features

- Estimate the range to the pin with internal distance reticle
- Ruby coated optics
- Range: 50-300 yards
- Waterproof
- Leatherette pouch included
- Limited Lifetime Warranty



9x25
AB10302 Box

Focus Free



Focus Free Features

- Simple with no need for any focusing
- Fast immediate viewing
- Fully coated optics for clear images
- Contemporary rubber armor design
- Wide angle field of view on full size models
- Ideal for all action-packed activities
- Includes carrying case and neckstrap
- Limited Lifetime Warranty

Focus Free binoculars are the ideal binoculars for viewing fast paced action.

Now you see it. When there's no time to focus when you are trying to catch a glimpse of the fast action, **BARSKA's Focus Free** binoculars come to the rescue. They provide immediate viewing with no focusing required. These binoculars feature a wide field of view and their fully coated optics will

allow you to see the action crisp and clear. With stylish rubber armor the **Focus Free** series is ideal for long distance wildlife observation, exciting spectator sports and races. Just pick up the binoculars and view instantly.

Focus Free binoculars are perfect for fast movement observation because you do not have to stop and focus on your subject to bring it into view.

Contents

Golf Scope	3	Gladiator Binoculars	5
Focus Free Binoculars	3	X Trail Binoculars	6
Lucid Binoculars	4	Binocular Usage	7

Model #	Magnif.	Objective Lens	Prism Type	Prism Glass	Exit Pupil	Optical Coating	Focus System	Field of View (ft/yds@1000yds/m)	Close Focus(ft/m)	Eye Relief (mm)	Weight (g)
Blueline AA10199	8x	22	Roof	BK-7	2.75	Multi-Coated	Free	367/122	59/18	10.5	80
Focus Free AB10302	9x	25	Roof	BK-7	2.8	Fully Coated	Free	299/100	16/5	10.0	176

Lucid View



8x21
AB10108 Box

10x25 Scope
AA10311 Clam



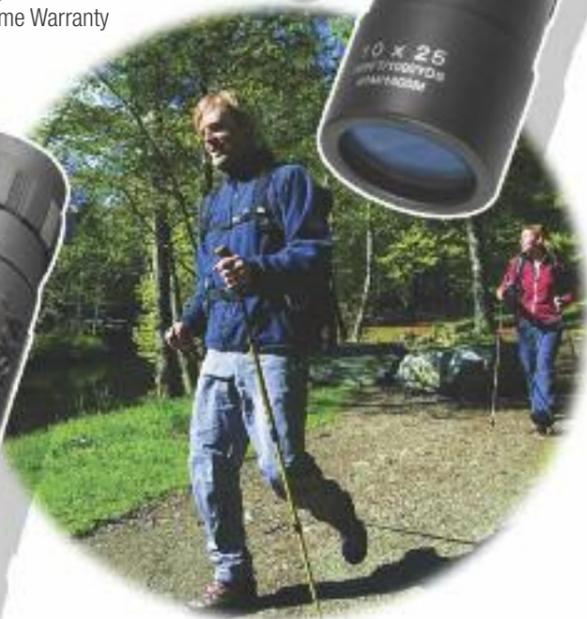
The **Lucid View** series is the perfect blend of functionality and compact portability. This folding roof prism series offers a range of fully coated models. Armored with black protective rubber, **Lucid View** is a great multi-purpose binocular for field use, sports, backpacking or camping. The smaller models will fit into the palm of your hand or slip into your pockets so you can always have them handy. **Lucid View** is small in size, but undeniably big on convenience.

Lucid View Features

- Great style and value
- Compact and lightweight
- Fully coated optics for bright images
- Protective rubber armor with firm grip design
- Ideal for travel, concerts and sporting events
- Includes carrying case and neckstrap
- Limited Lifetime Warranty



10x25
AB10110 Box



Gladiator



10-30x50 WP
AB10168 Box

The **Gladiator** series offers a selection of zoom models that are ideal for long distance terrestrial (land) or celestial (sky) viewing. The wide variable magnification range of these binoculars allows the viewer to target in on an object and then zoom in and magnify it to obtain a closer look and see greater detail as well as fold-down eyecups for viewing with or without eyeglasses.

Gladiator Features

- Powerful zoom with different magnifications
- Quality coated optics for sharp and crisp images
- Large objective lens for increased light transmission for brighter images
- Shock-absorbing rubber armor
- Ruby lens to minimize UV glare
- Ideal for all outdoor activities and sporting events
- Includes carrying case and neckstrap
- Limited Lifetime Warranty

Model #	Magnif.	Objective Lens	Prism Type	Prism Glass	Exit Pupil	Optical Coating	Focus System	Field of View (ft/yds@1000yds/m)	Close Focus(ft/m)	Eye Relief (mm)	Weight (g)
Lucid View											
AB10108	8x	21	Roof	BK-7 2.6		Fully Coated	Centre	383/128	16/5	10.5	174
AA10311	10x	25	Roof	BK-7 2.5		Fully Coated	Eyeiece	288/96	26/8	10.5	106
AB10110	10x	25	Roof	BK-7 2.5		Fully Coated	Centre	302/101	20/6	10.5	287

Model #	Magnif.	Objective Lens	Prism Type	Prism Glass	Exit Pupil	Optical Coating	Focus System	Field of View (ft/yds@1000yds/m)	Close Focus(ft/m)	Eye Relief (mm)	Weight (g)
Gladiator											
AB10168	10x	10-30X 50	Porro	BK-7	5.0	Multi-Coated	Centre	195/65@10x	26/8	15.0	900



The binocular series for all reasons. The **X-Trail** series is made for the great outdoors. They are not only top performers and extremely rugged, but offer an amazing value for quality optics and durability.

No matter what kind of outdoor activity you enjoy, you'll find an **X-Trail** model that's the perfect size and power.



10x50
AB10177 Clam



8x42
AB10175 Clam

X Trail Features

- A full line of porro prism binoculars with a variety of magnifications
- Quality coated optics for outstanding performance
- Wide angle models provides a wider field of view
- Large objective lenses maximize light transmission for sharper images
- Rugged and durable rubber armor with non-slip grip
- Ideal for all outdoor activities and sporting events
- Includes carrying case and neckstrap
- Limited Lifetime Warranty

Reverse Porro System

Models AB10176 and AB10174 objectives are offset from the eyepiece in a horizontal way reducing the total size of the construction by about 30% compared to the traditional porro prism system.

PRISM SYSTEM/TYPE

The prism system of a binocular reduces the size of a long optical path and correct an inverted image. There are three most common types of prism construction:

Roof Prism System - The prisms overlap and are aligned in a straight line, the lenses allowing a slim construction. (fig 1.)

Porro Prism System - The objective is offset from the eyepiece offering greater depth perception and a wider field of view. (fig 2.)

Reverse Porro System - The objectives are offset from the eyepiece in a horizontal way reducing the total size of the construction by about 30%.

PRISM GLASS

The common standards of optical prisms are barium-crown (BAK-4) glass or borosilicate (BK-7) glass. The BAK-4 is a higher quality glass that reduces light scattering, resulting in sharper and brighter images.

MAGNIFICATION (POWER)

Magnification is the number of times the object being viewed is enlarged. Binoculars are often identified by two numbers, for example: 10x50. The first number indicates the magnification of the binocular, expressed by the letter "x", for times. This means that the object being viewed appears to be 10 times closer than would be seen with the naked eye (fig.3).

OBJECTIVE LENS DIAMETER

The second number in the reference (i.e. 10x50) indicates the diameter of the objective lens or the front lens. The larger the objective lens, the better the light transmission, thus the brighter the image.

BINOCULAR FEATURES

Wide Angle

Binoculars with a wider field of view. This wide-angle feature is better for capturing action or fast sports.

Zoom

Zoom binoculars have variable powers of magnification allowing you to view closer in the distance without changing binoculars. Always focus your optics on the lowest zoom power.

Waterproof/Fogproof

Waterproof binoculars are O-ring sealed for complete waterproof protection to keep dry inside after immersion in water. Some binoculars are also fogproof which means that they are nitrogen-purged to prevent anti-fogging inside the optical surfaces.



OPTICAL COATINGS

Various coating processes on the lenses and prisms will determine the brightness and the light gathering of a binocular, providing higher contrast and brighter images. The different types of coating are:

- Coated** - A single layer on at least one lens surface
- Fully Coated** - A single layer on all air-to-glass lens surfaces
- Multi-Coated** - Multiple layers on at least one lens surface
- Fully Multi-Coated** - Multiple layers on all air-to-glass surfaces

FIELD OF VIEW (F.O.V)

This is the side-to-side linear measurement of the circular field seen through a binocular. It is defined by the width in feet of the area visible at 1000 yards, or in meters at 1000m. The higher the magnification, the narrower the field of view.

CLOSE FOCUS DISTANCE

The closest distance to the observed object that the binoculars can be used while retaining a sharp focus.

RESOLUTION

The measurement of the binocular's ability to distinguish fine detail and sharpness.

EXIT PUPIL

This refers to the size of the small disc of light visible at the eyepiece of a binocular. To determine the size of the exit pupil, divide the objective diameter by the power: For example, a 10x50 binocular will have an exit pupil of 5mm

EYE RELIEF

This is the distance a binocular can be held away from the eye and still observe the entire field of view. Long Eye Relief (LER) reduces eyestrain and is more comfortable for eyeglass wearers.

FOCUS SYSTEM

The mechanism that is used to focus both barrels of a binocular on the object being viewed. They are normally three types of focus systems:
Centre Focus - The focusing knob is in the centre of the binocular
Individual Focus - The focusing knob is in each eyepiece
Fixed focus - No focusing required

DIOPTER ADJUSTMENT

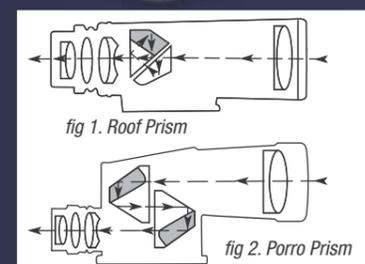
A ring adjustment for fine-focusing which is usually around one eyepiece. This compensates for vision difference between the right and left eye.

EYECUPS

The most common are:
Twist-up (fig.4),
Pop-up, or Rubber Fold-down (fig.5).



PRISMS



MAGNIFICATION



EYECUPS



Model #	Magnif.	Objective Lens	Prism Type	Prism Glass	Exit Pupil	Optical Coating	Focus System	Field of View (ft/yds@1000yds/m)	Close Focus(ft/m)	Eye Relief (mm)	Weight (g)
X Trail											
AB10177	10x	50	Rev. Porro	BK-7	5.0	Multi-Coated	Centre	324/108	33/10	20.0	849
AB10175	8x	42	Rev. Porro	BK-7	5.25	Multi-Coated	Centre	378/126	33/10	20.0	750