

**PENTAX®**

# Spotting Scope

## PF-80ED-A Spotting Scope



**Eyepieces**



### Ordering Information:

#### Product Code

Spotting Scope PF-80ED-A  
70950

UPC Code: 027075064799

#### Eyepieces

XL28

70506

UPC Code: 027075034334

XL21

70505

UPC Code: 027075034327

XL14

70504

UPC Code: 027075034310

XL10.5

70503

UPC Code: 027075034303

XL7

70502

UPC Code: 027075034297

Zoom Eyepiece

70509

UPC Code: 027075048737

### 45° downward-angled eyepiece for comfortable viewing.

- 45° angled eyepiece for easier viewing.
- Utilizing Pentax XL telescope eyepieces, renowned for sharpness, field of view, contrast, and freedom from aberration.
- Extra Low Dispersion (ED) optics incorporating Lanthanum Crown (rare earth) glass elements for optimum optical resolution.
- Large 80mm objective lenses for bright viewing under all light conditions.
- Available in 18.5X, 25X, 37X, 50X, 74X and 21-63X zoom magnification powers.
- 20mm eye relief.
- Accepts all standard 1 1/4 inch interchangeable telescope eyepieces.
- Waterproof and fogproof, nitrogen filled, JIS Class 6.
- Famous Pentax Super-Multi-Coating maximizes light transmission, clarity, and contrast.
- Lightweight magnesium alloy housing.
- Extended eyecup allows for variable adjustment to accommodate eye relief for individual user.
- Built-in lens shade.
- Limited lifetime warranty.

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## Spotting Scope

### PF-80ED-A Spotting Scope

#### Specifications

##### Spotting Scope

Type:	Porro-prism 45° angle type
Objective Lens:	Diameter: 80mm (ED Lens) 3 elements, 3 groups
Attachment Diameter:	1.25" (31.7mm)
Focusing Range:	19' - infinity (5.8m - infinity)
Eyepiece Ring:	Collet type
Body Color:	Black
Weight:	56.4 oz. (1,600g)
Size:	16.3" x 5.3" x 3.9" (415mm x 135mm x 100mm)
Waterproof:	1m depth of water, nitrogen filled, JIS Class 6
Accessories:	Objective lens cap, Eyepiece ring cap, Case

<b>Eyepiece Lens</b>	<b>XL28</b>	<b>XL21</b>	<b>XL14</b>	<b>XL10.5</b>	<b>XL7</b>	<b>Zoom Eyepiece</b>
Magnification:	18.5X	25X	37X	50X	74X	21x - 63x
Lens Structure:	5 elements 4 groups	6 elements 4 groups	6 elements 4 groups	6 elements 4 groups	7elements 5 groups	6 elements 4 groups
Real Field of View:	2.8°	2.6°	1.8°	1.3°	0.85°	1.8°-0.95°
Apparent Field of View:	55°	65°	65°	65°	65°	38° - 60°
Field of View at 1000 m:	49m	45m	31m	23m	15m	31- 16.5m
Field of View at 1000 yd:	147 ft.	135 ft.	93 ft.	69 ft.	45 ft.	93- 49.5 ft.
Exit Pupil:	4.3mm	3.2mm	2.2mm	1.6mm	1.1mm	3.8- 1.3mm
Eye Relief:	20mm	20mm	20mm	20mm	20mm	18.0-22.0mm
Relative Brightness:	18.5	10.2	4.8	2.6	1.2	14.4- 1.7
Eyepiece Size:	3.4 x 2.4 in.	3.4 x 2.4 in.	3.8 x 2.4 in.	4.2 x 2.4 in.	4.4 x 2.4 in.	5.7 x 2.7 in.
Lens & Outside Diameter	(86 x 60mm)	(86 x 60mm)	(97 x 60mm)	(107 x 60mm)	(113 x 60mm)	(144 x 69mm)
Weight (Eyepiece):	12 oz. (340g)	11.5 oz. (325g)	12.7 oz. (360g)	13.4 oz. (380g)	15 oz. (425g)	19.4 oz. (550g)