

## Astro Barrel 7"

The Astro 7" is based on the acclaimed Questar 7" Maksutov design. The combination of unsurpassed optics with a simple rugged design contribute to making it the idea medium to high magnification lens by changing eyepieces or adding optional auxiliary lenses to change EFL. The system is set up to use 2" slip type eyepieces via the 2" mirror diagonal.

The 7" diagonal can be adapted via eyepiece adapter to accept 1 1/4" or the Questar Brandon. The Astro is light, compact, and well-balanced; its configuration makes it perfect for use with eyepieces, video and night vision, and photographic equipment.



### Advantages

- Light
- Compact
- Well balanced

### Uses

- With video
- Night vision
- With photographic equipment

# Astro Barrel 7"

## Questar Astronomy Telescope

### Datasheet



## Technical data

Working range	18m to infinity
Optical resolution	.6 arc second
Clear aperture	178 mm
Effective focal length	2 400 mm
F-number	13.4 @ 2400mm EFL
Spectral response	0.35 – 1.5 micron
Design type	Maksutov Cassegrain Catadioptric
Corrector	BK7/MgF2, 178mm (7 inches) diameter
Primary mirror	Pyrex substrate, aluminum coated, SiO overcoat, 193mm
Secondary mirror	Aluminum coating on corrector, SiO overcoat, 47mm
Baffling	Wire helix in central tube
Barrel	Aluminum heat-treated tube and precision machined with corrector cell
Rear closure plate	Aluminum; machined
Central tube	Centerless ground stainless steel and 6» Ø stainless steel mounting plate
Mirror mount/ Focusing tube	Precision linear rotor bearing matched to central tube, integrated with mirror mounting thimble
Focus mechanism	32-pitch stainless steel focus rod; direct acting on mirror thimble, spring loaded
Focus control	25mm (1-inch) diameter straight knurled anodized aluminum knob
Finish	Aluminum parts anodized, optional exterior surfaces Polane T polyurethane, white color hardware and fasteners stainless steel
Mounting	Tripod mount with ¼» – 20 & 3/8» – female threads
Eyepiece magnifications	(1 ¼ type or thread) 9 mm ..... .266X 12 mm ..... .200X 16 mm ..... .150X 18 mm ..... .133X 24 mm ..... .100X 32mm ..... .75X

## Dimensions

Length with Diagonal	21.93"
Maximum Height	24.2 cm
Maximum Diameter	20.4 cm
Case (outside)	Length ..... 71cm Depth .....45cm Height .....30cm
Weight	Bare Lens with diagonal & eyepiece ..... 8,8 kg Lens with diagonal, eyepiece, & dew cap..... 9,5 kg Standard package complete in case .....21,3kg

