



See The Difference

## SERIES 5000™ ED APO REFRACTORS

REFRACTING TELESCOPES

80MM ED APO OTA WITH 2" SERIES 5000 ENHANCED DIAGONAL



80MM ED APO OTA  
80MM ED APO OTA + 2" SERIES 5000 ENHANCED DIAGONAL  
127MM ED APO OTA  
127MM ED APO OTA + 2" SERIES 5000 ENHANCED DIAGONAL

For crisp wide field observing and imaging, nothing beats a true three-element apochromatic refractor (APO). This is especially true in astrophotography where ED APOs have produced some of the most beautiful images of the heavens ever taken from earth. However, not all APOs are created equal. Today's market is filled with semi-APOs (with two lenses instead of three) that don't bring all colors to focus. Thanks to a two-year design process and a triple objective lens made from the highest quality ED (extra-low dispersion) glass, Meade Series 5000 ED APOs are virtually free of chromatic aberration (color fringing). This means they outperform the most expensive semi-APOs at a fraction of the cost. Expert observers will be delighted by the absence of color fringing and the scope's textbook-perfect pinpoint star images. Even beginners will notice the breathtaking high contrast and resolution. The scope is available as a stand-alone OTA, or as a package with our new Series 5000 2" enhanced diagonal and an aluminum carrying case.

- **FAST FOCAL RATIO:** At  $f/6$  (80mm) and  $f/7.5$  (127mm), the focal ratio of these scopes is ideal for wide field astrophotography.
- **PREMIUM ED GLASS:** Meade uses the finest Japanese FCD1 ED (Extremely Low Dispersion) glass. This glass is created to achieve a very small change in refractive index with different wavelengths of light. This makes it the perfect choice for a fast, high performance optical design like the Series 5000 APOs.
- **FULLY MULTI-COATED LENSES:** Meade broadband multicoated lenses ensure maximum light transmission.
- **TRUE ED APOCHROMATIC TRIPLET:** A true triplet optical design guarantees the textbook color correction you expect from a premium APO.
- **FULLY EXTENDABLE DEW SHIELD/SUN SHADE:** An essential accessory built-in to the design for your convenience.

# SERIES 5000™ ED APO REFRACTORS

REFRACTING TELESCOPES



80mm APO Refractor OTA



Aluminum Hard Carry Case



• Enhanced dielectric coatings with 99% reflectivity over the visual spectrum

Series 5000 2" Diagonal

A Series 5000 APO is the ideal companion for your larger Schmidt-Cassegrain, Ritchey-Chrétien, or Newtonian scope. When piggybacked, a Series 5000 APO is the ideal wide-field photography scope when guided by the primary instrument and doubles as a guide scope for the primary telescope. It also makes an ideal lightweight and portable scope for flawless visual observing.



### AIR-SPACED OBJECTIVE LENS:

The precision air-spaced triple element ED objective lens focuses red, green, and blue wavelengths to the exact same point.

### ADJUSTABLE LENS CELL:

Allows collimation of lenses if necessary.



### MACHINED ALUMINUM CRAYFORD STYLE FOCUSER:

Superior focuser means smooth and repeatable focusing with no image shift. Accepts 1.25" & 2" accessories.



### MOUNTING BRACKET: (80mm only)

Allows mounting on a wide verity of Meade and non-Meade German Equatorial Mounts and almost all photo tripods.

## SPECIFICATIONS

Optical Tube Assembly (OTA)	80mm	127mm
Optical Design	3-element Apochromatic Refractor	3-element Apochromatic Refractor
Optical Diameter	80mm (3.1")	127mm (5")
Telescope Dimensions (L x W x H)	15" x 4.9" x 4.9"	33.3" x 6.125" x 6.125"
Focal Length; f/ratio	480mm; f/6	952.5mm; f/7.5
Dew Shield	Built-in Extendable	Built-in Extendable
Optics	Fully Multi-Coated	Fully Multi-Coated
Focuser	Machined Aluminum Crayford	Machined Aluminum Crayford
Weight (OTA only)	6.2 lbs.	15.6 lbs.
Weight (OTA with Series 5000 Diagonal)	7.2 lbs.	16.6 lbs.
Part Number - Standard / with Diagonal	0306-00-01 / 0306-00-02	0575-00-01 / 0575-00-02
UPC Code - Standard	7 09942 36010 3	7 09942 36012 7
UPC Code - with Diagonal	7 09942 36011 0	7 09942 36013 4



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Rosette Nebula



Great Orion Nebula



Moon

Actual Photos taken with Meade 80mm APO.

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