

ASTRO-PHYSICS

130 mm f/6.3 Starfire EDF with 3.5" Focuser*

Gran Turismo



***Prototype** shown
in photo - production
model will differ
slightly.

NEW! 130 mm f/6.3 StarFire EDF "Gran Turismo" on Mach1GTO Mount

Astro-Physics is introducing the redesigned "Gran Turismo" at the Northeast Astronomy Forum (NEAF) on April 18, 2015. The triplet lens is the same extraordinary quality that you have come to expect from Astro-Physics with a few new exciting features:

- **New!** Silky, smooth 3.5" Astro-Physics focuser with a greaseless drawtube and the dual-speed mechanism of the Feather Touch 9:1 Micro. The dual-speed feature is particularly advantageous for critically focusing this fast focal ratio. A digital focusing system is available for imaging.
- **New!** Rotating focuser "captain's wheel" collar will enable you to frame your photos for optimal, artistic composition.
- **New!** Optional Telecompressor Corrector converts the Gran Turismo to a blazingly fast 585 mm focal length, f/4.5 imaging machine with pinpoint stars across the field!
- Compact, lightweight tube assembly that can be disassembled into two parts to fit into your carry-on luggage. Optional machined aluminum covers are used to close and protect each end of the tube.
- Fully retractable, felt-lined dew cap slides to its fully extended position and then uses a twist-lock feature to secure it in place.
- Latest multi-coating technology will provide optimum light transmission.
- Also available is the optional 2.7" Prime Focus Field Flattener (67PF562).

Specifications

Color correction	Less than +/- 0.006% focus variation from 706 nm to 430 nm (r to g wavelengths).
Clear aperture	130 mm (5.12")
Focal length	819 mm (32.25")
Photographic speed	f/6.3
Theoretical resolution	0.87 arc seconds
Coatings	Multi-layer, broadband, overall transmission greater than 97% in peak visual wavelengths
Magnification range	22x to 500x
Tube assembly	White, 5.5" diameter, machined aluminum tube, fully baffled, flat black interior, engraved retaining ring. Convertible for travel. Optional covers to protect the lens and tube when it is disassembled.
Focuser type	3.5" I.D. Focuser with rotating collar, rack and pinion with FeatherTouch Micro 9:1 dual-speed reduction, 4.4" travel, 7" backfocus; 2" and 1.25" adapters.
Telescope length	704 mm (27.7") with dewcap fully retracted; 838 mm (33.0") with dewcap fully extended
Diameter of dewcap	155 mm (6.1") OD including paint thickness, retractable
Weight with dewcap	17.5 lbs. (8.0 kg)
Carrying-case type	Wood case with grey vinyl covering and foam-lined interior. Dimensions: 30.5" x 8.75" x 9.75", Weight: 11.5 lbs.

Photographic Field

35mm Photographic field at prime-focus	1.6 x 2.3 degrees @ f/6.3, 70 mm diagonal 5° field
35mm Photographic field with 3.5" TCC	2.2 x 3.2 degrees @ f/4.5, 50 mm diagonal 5° field
35mm Photographic field with 2x Advanced Barlow	0.6 x 0.85 degrees @ f/12.6

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