Askar

SQA85

User's Manual

WARNING

DO NOT LOOK AT SUN THROUGH TELESCOPE.
IT WILL CAUSE IRREVERSIBLE DAMAGE TO YOUR EYES.

www.sharpstar-optics.com

English

Instructions for use

The SQA85 is an OTA with an aperture of 85mm, a focal length of 408mm, and a native focal ratio of F4.8. The SQA85 has great star performance, with excellent full-field illumination and MTF data.

The SQA85 lens has a quintuplet air-spaced design that includes 2 pieces of SD glass and supports full-frame imaging. The SQA85 has a Petzval self-flattened structure, which eliminates the need for additional calculation of the back focus. Between 40mm and 70mm connection distance, users can directly use it for shooting after the OTA is in focus.

The SQA85 designs a retractable dew shield , that can be pulled out or pulled in according to the actual use needs.

The SQA85's tube ring is an integrated pair of tube ring sets, with a hollow design in the middle to reduce overall weight. There are 6 M4 and M6 threaded holes on both sides of the tube ring, which are convenient for installing the base or dovetail plate and connecting different accessories. The handle on the top of the tube ring is slotted with a multifunctional finder base, which can be used to install astronomical accessories. The dovetail plate on the bottom of the tube ring is a standard Vixen-style 290mm dovetail plate.

The SQA85 focuser is a dual-speed rack-and-pinion large 2.8-inch rigid focuser that can be compatible with most motorized focusers on the market. The focusing travel is 32 mm, and the focuser tube is engraved with high-precision scales. On both sides of the focuser, there are two finder bases, which not only eliminate the need for disassembling when changing the position of the finder scope but also provide additional mounting positions for other astronomical accessories.

The end of the SQA85 is equipped with a variety of adapters, all of which are toothed and ribbed, making it easy to change without slipping. The adapters are available in sizes M48, M54, and M68 and can be used to connect various accessories.

SQA85 Specifications

Aperture: 85mm

Focal length: 408mm

Focal ratio: F4.8

Objective lens: Quintuplet petzval APO
(including two pieces of SD glass)

Total length: 403mm(when the dew shield is contracted);
439mm(when the dew shield is stretched)

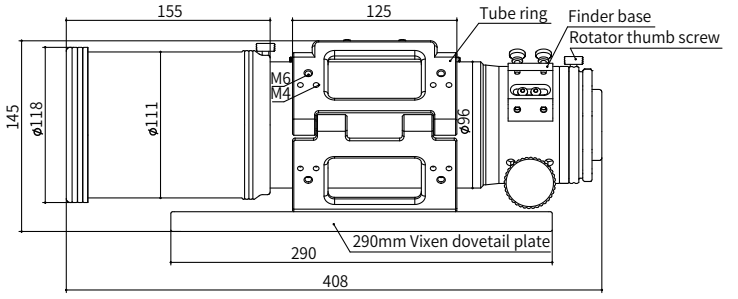
OTA weight: 3.64kg

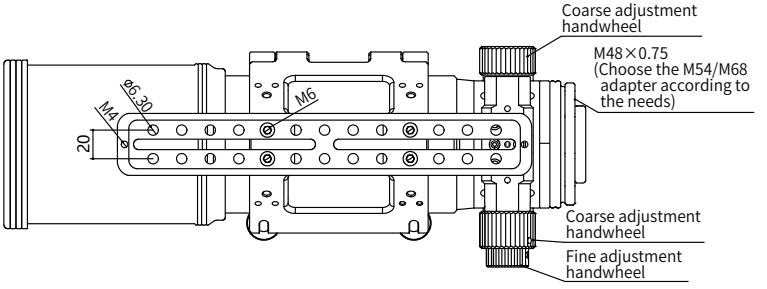
Total weight: 4.62kg

Rear-end thread type: M48 adapters

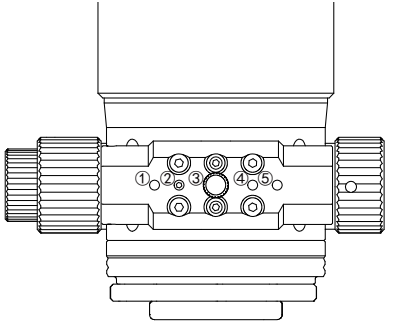
Accessories: a SQA85 OTA(Includes an M48 adapter), an M54 adapter, an M68 adapter, an Oxford cloth bag, an inspection list, a manual

Product Size Diagram



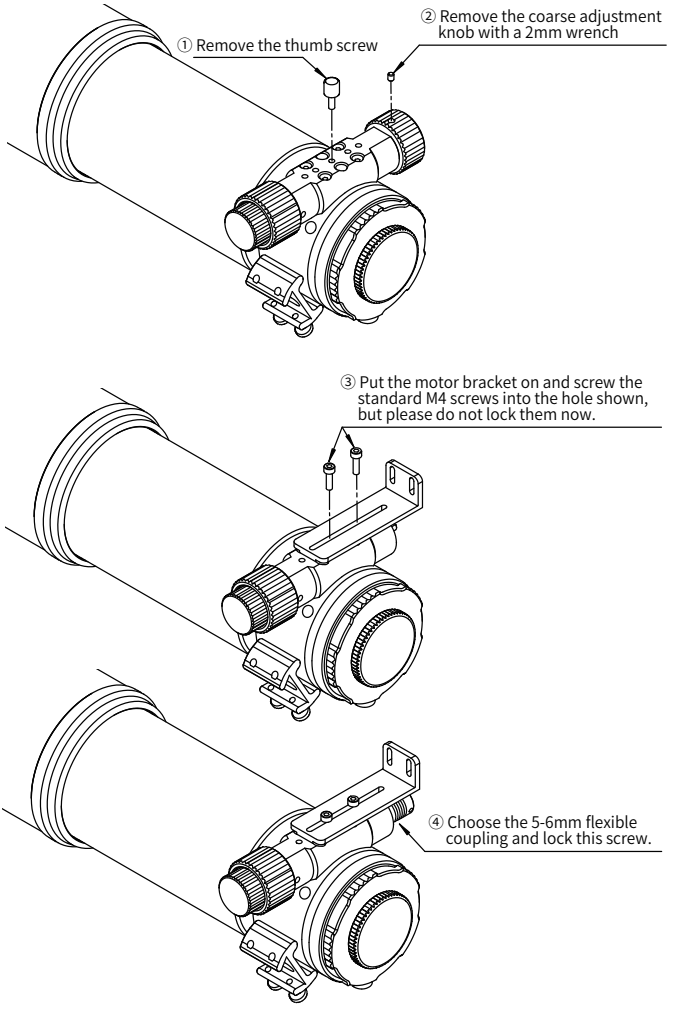


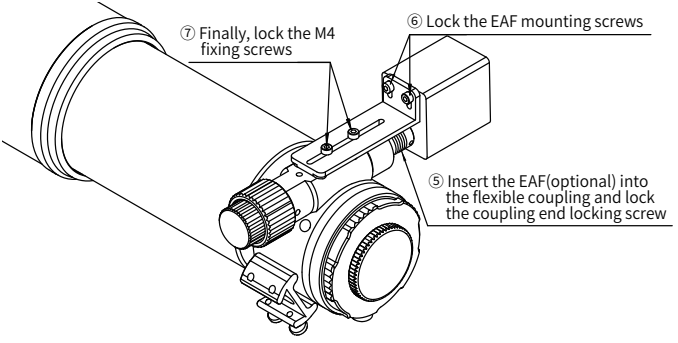
The Locking Screw Position Diagram



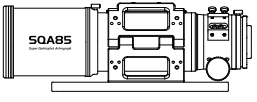
②Bottom Load Adjustment Screw
③Bottom Locking Screw
①③④⑤can be used for electric focusing bracket installation

Steps of Installing EAF

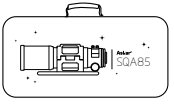




Items in SQA85 Packaging



SQA85 OTA



An Oxford cloth bag



An M54 adapter



An M68 adapter



Instruction manual



Warranty card



Check list



Qualified certificate



Official site



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