Askar

# 103APO 0.8x 全画幅减焦镜

## 103APO 0.8x Full Frame Reducer

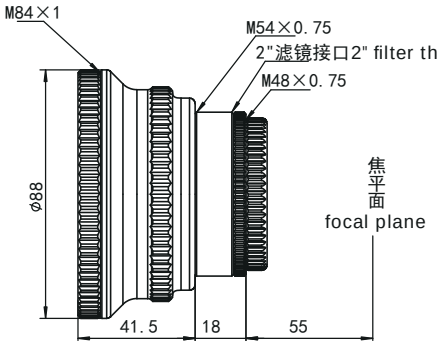
■ 使用说明书

■ User's Manual

请勿通过望远镜直接观察太阳，这样做可能导致瞬间失明，
请购买专用太阳观测滤镜或滤膜，来获得最安全的观测指导。

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

www.sharpstar-optics.com




**参数**

103APO搭配后 焦距：560mm
103APO搭配后 焦比：f/5.4
物镜类型：三片式
后截距：55mm（M48端面算起）
73mm（M54端面算起）
重量：0.48kg
末端接口：M54×0.75
M54×0.75-M48×0.75（内置M48×0.75滤镜螺纹）

使用产品前请仔细阅读本使用说明书。

## Instructions for use

0.8x的减焦镜，可以使Askar 103APO降至F5.4焦比。这是一款常规的减焦镜，当然也有平场修正的功能。更短的焦比，可以使望远镜获得更宽的视野，拥有更快的曝光时间，适合捕捉大面积的星云，星团，以及更暗淡，快速移动的天体。

0.8x减焦镜采用三片式设计，支持全画幅。整体重量为0.48kg。后截距从M48螺纹端面算起为标准55mm，前端螺纹接口为M84*1，末端配有M54*0.75以及M48*0.75两种尺寸接环，接驳方便。同时内置M48*0.75 2英寸滤镜螺纹，可直接安装滤镜使用。整体CNC加工，前后螺纹金属端盖，可在不使用时防止落灰。

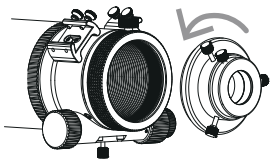
The 0.8x reducer can bring Askar 103APO's focal ratio down to F5.4. This is a standard reducer with field flattening capabilities as well. A shorter focal ratio allows the OTA to have a wider field of view and faster exposure times, making it suitable for capturing large areas of nebulae, star clusters, and faint, fast-moving celestial objects.

The 0.8x reducer adopts a triplet design and supports a 44mm full-frame image circle. The overall weight is 0.48kg. The back focus from the M48 thread is a standard 55mm. The front thread is M84*1. At the camera end, it is equipped with two sizes of M54*0.75 and M48*0.75 adapters, which are convenient for connection. At the same time, it has a built-in M48*0.75 2-inch filter thread, which enables the filter be directly installed and used. The overall CNC machined, both end threaded metal caps prevent ash when not in use.

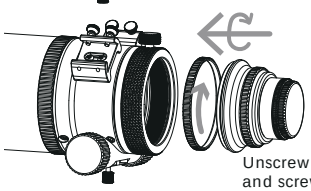
**Parameters**

(After attaching) 103APO Focal length:560mm
(After attaching) 103APO Focal ratio:f/5.4
Objective lens:Triplet design
Back Focus:55mm(from the base of M48 male thread)
73mm(from the base of M54 male thread)
Weight:0.48kg
Rear-end thread type:M54×0.75
M54×0.75-M48×0.75 (M48×0.75 filter thread inside)

**安装说明 Installation instruction**



逆时针旋下2英寸接口及1.25英寸接口
Unscrew the 2" adapter and the 1.25" adapter



旋下防尘盖后，旋入主镜
Unscrew the dust cap of the accessory and screw it into the 103APO