

## Kendrick Solar Filter Selection Guide

Kendrick Astro Instruments manufactures a very large selection of filter sizes in 2 different styles. This guide will help you choose the right model for your needs.

**What size do I need for my 14XLT-HDSF.....?** We don't know. There are now thousands of telescope models in circulation. Manufacturers rarely publish the tube diameter specification. We would love to have a copy of every telescope in our workshop, but where would we put them? The good news? Since you already have the telescope, you can find the perfect fit in minutes!

This guide has a complete list and specifications for each of our solar filter models. There are 3 things you need to know before ordering a filter:

### 1) Classic Style or "SF" Style?

- "Classic Style" is single piece frame of "spun" aluminum and has a continuous collar that completely wraps around your telescope. This sturdy frame is rigid in all directions.
- The "SF" filters have a built-in "Solar Finder" that makes pointing your telescope really easy (Solar Finders are also available as an add-on accessory). Made from stamped aluminum, it uses heavy gauge aluminum to ensure a rigid frame.

### 2) Outside diameter of your telescope optical assembly/tube (OTA).

The Solar filter will attach to the outside of your telescope optical tube using adjustable nylon thumb screws that are placed on the collar of the filter frame. Refractor telescopes normally use the dew shield for the purpose of attaching the solar filter. 2 of our Classic Filter models have an extra deep collar to accommodate the tapered front of their dew shield.

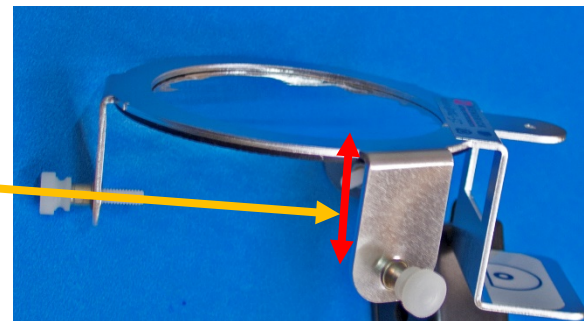
### 3) Collar Clearance

The filter frame has a "collar" that secures the nylon thumb screws to the filter frame. The frame collar will extend past the very front of your OTA. Are there any obstructions that will interfere with the frame collar? Screws/rivets, dovetail bars, focuser? The filter models shown here tell you how far the collar extends past the front of your OTA. If so, perhaps our "SF" Filters are a better choice because the collar is not continuous, but rather, 3 tabs that can be positioned to avoid obstructions.



Classic Style 1

Collar Depth



SF Style

### Popular Telescope Model Reference

At the end of this guide you will find a list of the most popular telescopes. **Please use this for reference only.** Some of these have been in production, in various forms, for decades and the "recipe" is know to change over time. Don't take a chance, measure your telescope!

### Metric Conversion

If you don't have a metric ruler, measure in inches and use this formula to convert to millimeters. 1" = 25.4mm

# Solar Filter Selection Guide

† Collar Depth is the distance PAST the front edge of your OTA that the "Collar" will extend when the filter is fully seated. The end of your OTA must have this amount of clearance to accommodate the collar.

## Classic Style

Collar Depth †	Item No	Item Description
n/a	6000-SUN	Sunfinder, self-adhesive
24.5	6001	Visual Solar Filter (63mm filter aperture), Fits tube ODs 66mm to 76mm
25	6001-PR	Pair of 6001 Solar Filters (fits tube OD's 66mm to 76mm)
25	6001-A	Visual Solar Filter (70mm filter aperture), Fits tube ODs 75mm to 85mm
21	6002	Tv Pronto Solar Filter
24.5	6003	Visual Solar Filter (80mm filter aperture), Fits tube ODs 90mm to 100mm
22	6004	Visual Solar Filter (90mm filter aperture), Fits tube ODs 95mm to 105mm
25	6004-A	Visual Solar Filter (90mm filter aperture), Fits tube ODs 98mm to 108mm
21.5	6004-B	Visual Solar Filter (103mm filter aperture), Fits tube ODs 107mm to 115mm
23	6005	Visual Solar Filter (90mm filter aperture), Fits tube ODs 115mm to 125mm
21	6006-A	Solar Filter To Fit 117mm To 130mm Od. This product combines our old (and now di
22	6006-B	Tv 101/102
31	6006-BL	Visual Solar Filter for TV NP101, and NP101LS, acommodates longer barrels, 102mm
24	6007	Celestron C102 Solar Filter
22	6008	C5, Etx 125 Solar Filter
21	6008-B	Solar Filter. Fit Tube Ods 150mm To 160mm
20	6009	Visual Solar Filter (127mm filter aperture), Fits tube ODs 157mm to 167mm
21	6010	Visual Solar Filter (130mm filter aperture), Fits tube ODs 169mm to 179mm
22	6010-A	Orion 6 Inch Dob
21.5	6011	Astro Physics 155 Solar Filter
19	6011-A	6 Inch Solar Filter
22	6012	Visual Solar Filter (170mm filter aperture), Fits tube ODs 204mm to 214mm
22	6012-A	Visual Solar Filter (177mm filter aperture), Fits tube ODs 214mm to 224mm
23	6013	Visual Solar Filter (8"/203mm filter aperture), Fits tube ODs 223mm to 233mm
20	6013-A	Visual Solar Filter, Fits tube ODs 233mm to 241mm
22.5	6014	Visual Solar Filter (204mm filter aperture), Fits tube ODs 241mm to 251mm
22	6014-A	Visual Solar Filter (231mm filter aperture), Fits tube ODs 252mm to 262mm
22	6015	Visual Solar Filter (235mm filter aperture), Fits tube ODs 262mm to 272mm
23	6015-A	Visual Solar Filter (203mm filter aperture), Fits tube ODs 270mm to 280mm
21	6015-B	Solar Filter To Fit 280mm To 290mm Od
20.5	6016	Visual Solar Filter (253mm filter aperture), Fits tube ODs 288mm to 298mm
23	6016-A	Visual Solar Filter (277mm filter aperture), Fits tube ODs 300mm to 310mm
22	6017	Visual Solar Filter (280mm filter aperture), Fits tube ODs 312mm to 322mm...Full Aperture
25	6017-A	Visual Solar Filter (100mm filter aperture), Fits tube ODs 312mm to 322mm, Off A
22	6017-B	Meade 10 Inch Dob Solar Filter
22	6018	Visual Solar Filter (305mm filter aperture), Fits tube ODs 337mm to 347mm
21	6018-A	Visual Solar Filter (100mm filter aperture), Fits tube ODs 337mm to 347mm...Off Axis
20	6019	Visual Solar Filter, Fits tube ODs 373mm to 381mm...Full aperture
18	6020	Visual Solar Filter, Fits tube ODs 389mm to 399mm...14" Full Aperture
23	6021	Visual Solar Filter (355mm filter aperture), Fits tube ODs 395mm to 405mm...Full
23	6021-A	Visual Solar Filter (120mm filter aperture), Fits tube ODs 395mm to 405mm...Off
27	6022	Visual Solar Filter (140mm filter aperture), Fits tube ODs 435mm to 445mm...Off Axis 140mm filter
16	665N	Solar Filter (50mm filter aperture), fits tube OD 41mm to 64mm
16	665N-PR	Pair of Solar Filters (65mm ID)

Collar Depth †	Item No	Item Description
16	670N-PR	Pair of Solar Filters (70mm ID)

## "SF" Style (Built-in Solar Finder)

Collar Depth †	Item No	Item Description
32.5	6002-SF	Visual Solar Filter with Solar Finder, (Fits 80mm to 95mm tube)
28	6004-SF	Visual Solar Filter (Fits 90mm to 120mm tube)
39	6007-SF	Visual Solar Filter with Solar Finder, (Fits 113mm to 143mm tube)
32	6008-SF	Visual Solar Filter with Solar Finder, (Fits 150mm to 180mm tube)
13	6011-SF	Visual Solar Filter with Solar Finder, (Fits 165mm to 195mm tube)
43	6013-SF	Visual Solar Filter with Solar Finder, (Fits 220mm to 250mm tube)
41	6015-SF	Visual Solar Filter with Solar Finder, (Fits 245mm to 275mm tube)
42	6016-SF	Visual Solar Filter with Solar Finder, (Fits 275mm to 305mm tube)
32	6017-SF	Visual Solar Filter with Solar Finder, (Fits 305mm to 335mm tube)
42	6018-SF	Visual Solar Filter with Solar Finder, (Fits 320mm to 350mm tube)

† Collar Depth is the distance PAST the front edge of your OTA that the "Collar" will extend when the filter is fully seated. The end of your OTA must have this amount of clearance to accommodate the collar.

## Popular Filter Sizes (Classic Style) ††

Collar Depth †	Item No	Item Description
	6006-BL	Visual Solar Filter (102mm filter aperture), For TeleVue NP101, and NP101is, Has longer barrel to accommodate TeleVues beveled dewcaps.
23	6013	Visual Solar Filter (8"/203mm filter aperture), Fits tube ODs 223mm to 233mm, FOR 8"SCTs
20.5	6016	Visual Solar Filter (253mm filter aperture), Fits tube ODs 288mm to 298mm, FOR 10"SCTs
22	6018	Visual Solar Filter (305mm filter aperture), Fits tube ODs 337mm to 347mm...Full Aperture, for 12" SCTs
21	6018-A	Visual Solar Filter (100mm filter aperture), Fits tube ODs 337mm to 347mm...Off Axis 100mm filter, for 12" SCTs
23	6021	Visual Solar Filter (355mm filter aperture), Fits tube ODs 395mm to 405mm...Full Aperture, for Meade and Celestron 14" SCT
23	6021-A	Visual Solar Filter (120mm filter aperture), Fits tube ODs 395mm to 405mm...Off axis 120mm filter, for Meade and Celestron 14" SCT

†† Fit is NOT guaranteed! You still need to measure your telescope. These popular sizes are just a suggestion. Some of these have been in production for decades, but there are minor variations such as the addition of screws and rivets, as well as placement of dovetail bars.