

Solar Filter Sizes - For Astro-Physics Refractors, Finder and Binoculars

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Tips for selecting your solar filter

Locate your refractor, binocular or Vario-Finder on the chart below. The O.D. of the instrument is shown.

Look across the chart to find the filters that correspond to the dimensions of the lens cell and dew shield.

Consider the aperture of the filter material itself. Remember that smaller apertures are often preferable if seeing conditions are poor, so don't be concerned if the aperture is smaller than your scope aperture.

Baader filters: the aperture (mm) of the filter material is represented in the part number itself. For instance, ASTF-80 has an 80mm AstroSolar film aperture.

Kendrick filter: The aperture (mm) of the filter material is stated next to the part number in the chart.

Can the filter be used on multiple scopes that you own?

Finderscopes: Consider the outer diameter of the filter cell to be sure that you will not interfere with your optical tube. That's why we recommend the ASBF filters.

Binoculars: Order two filters. They are sold separately.

SCOPE	OUTSIDE DIMENSIONS (O.D.)		BAADER - DEW SHIELD		BAADER - LENS CELL		BAADER - FINDER & BINOCULAR	KENDRICK - DEW SHIELD & LENS CELL	
	Dew Shield or Binocular OD	Lens Cell OD	Dewshield ASTF	Dew Shield ASSF	Lens Cell ASTF	Lens Cell ASSF	Binoculars - Vario-Finder ASBF	Kendrick Dewshield or Binocular K part# (AP part #-)aperture	Kendrick Lens Cell K part# (AP part #-)aperture
Vario-Finder	74mm	N/A	N/A	N/A	N/A	N/A	ASBF-60	N/A	N/A
AP 10.5 x70 and 15x70 Binoculars	87mm	87mm	N/A	N/A	N/A	N/A	ASBF-70	KS6002, 76mm	N/A
AP 11x70 and 16x70 Binoculars	88mm	88mm	N/A	N/A	N/A	N/A	ASBF-70	KS6002, 76mm	N/A
90 mm f/5 & f/7 (1999-2002)	107mm	N/A	ASTF-80	ASSF-100	N/A	N/A	N/A	KS6004-A, 90mm	N/A
92 mm f/6.65 Stowaway	112mm	N/A	ASTF-80	ASSF-100	N/A	N/A	N/A	KS6004-B, 103mm	N/A
Traveler 105EDT, 105EDFS	125mm	N/A	ASTF-80, ASTF-100	ASSF-115	N/A	N/A	N/A	KS6006-A, 107mm	N/A
Star12ED	139-141mm per customer measurements	135mm	ASTF-100, ASTF-120 (might fit if 140-141)	N/A	ASTF-80, ASTF-100	ASSF-115 (might fit since 135 at top of range)	N/A	N/A	KS6007, 114mm
130GT & 130GTX	155mm	N/A	ASTF-100, ASTF-120	ASSF-130	N/A	N/A	N/A	KS6008-B, 132mm	N/A
130EDFS, 130EDT, Star130ED	164mm	147mm	ASTF-120, ASTF-140	ASSF-130	ASTF-100, ASTF-120	N/A	N/A	KS6009, 127mm	N/A
140EDF27, 140EDF4	184mm	N/A	ASTF-140, ASTF-160	ASSF-150	N/A	N/A	N/A	KS6011, 155mm	N/A
155EDF, 155EDFS, 155EDT, Star155ED	190mm	172mm	ASTF-160	ASSF-150	ASTF-120, ASTF-140	ASSF-130	N/A	KS6011, 155mm	N/A
160EDF	194mm	N/A	ASTF-160	ASSF-150	N/A	N/A	N/A	KS6011-A, 152mm	N/A
175EDF	226mm	N/A	ASTF-180	N/A	N/A	N/A	N/A	KS6013, 203mm	N/A
180EDF & 180EDT	226mm	198mm	ASTF-180	N/A	ASTF-140, ASTF-160	ASSF-150 (barely, 198 is top of range)	N/A	KS6013, 203mm	KS6011-A, 152mm
206EDF	254-256mm per customer measurements	222mm	ASTF-200	N/A	ASTF-180, ASTF-200	N/A	N/A	N/A	KS6012-A, 177mm