

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

Date: 06-05-17

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 |
| 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 | 107mm | N/A | ASTF-80 | ASSF-100 | N/A | N/A | N/A | KS6004-A, 90mm | 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 |