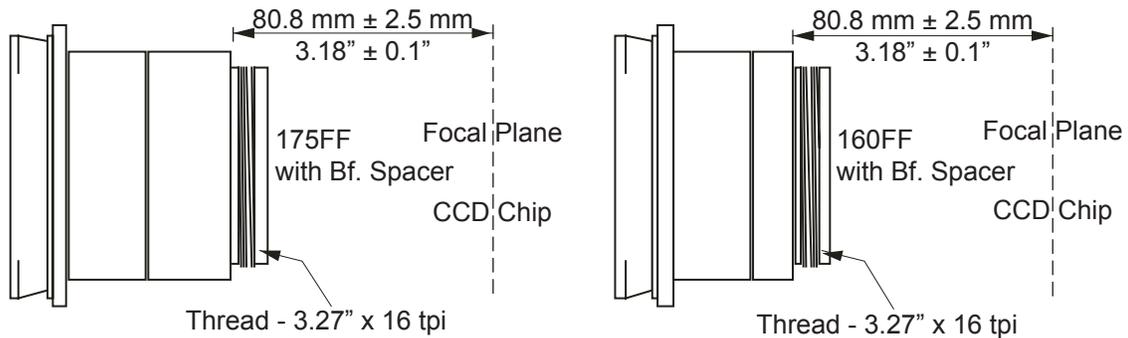


Astro-Physics 175 & 160 Field Flattener Spacing Requirements

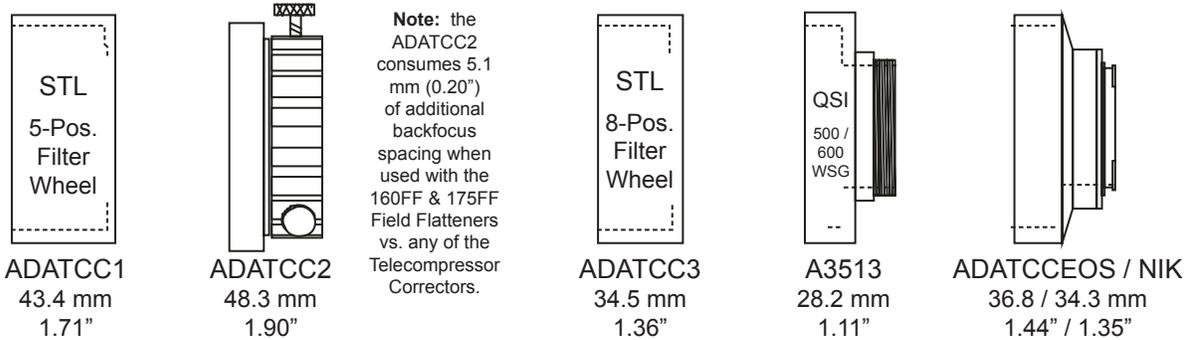
175FF - f/8.3 for 175 f/8 StarFire EDF
 160FF - f/7.7 for 160 f/7.5 StarFire EDF

You will note that your Field Flattener includes a Backfocus Spacer extension on the back to provide the perfect spacing for our line of TCC Adapters. Please review the information below to determine whether the extension should be used in your application or not. **Remember:** the distance must be the **OPTICAL** distance - **NOT** the mechanical distance. Please be sure that you have accounted for the indexing effects of your filters, sensor window and any other glass in the light path. **Rule of Thumb:** Add 1/3 of the total glass thickness to the mechanical distance. This will lengthen the adapter.

Spacing from the rear flange (not threads) of the 175FF and 160FF with Backfocus Spacers in place. If using one of our adapters, you must also use the extension piece that was provided. All of our adapters are designed to provide the 80.8 mm spacing required by the CCD Field Flatteners and the CCD Telecompressor Correctors that we produce for our scopes (older Prime Focus Field Flatteners have a different backfocus spacing). **Do Not Remove** the Backfocus Spacer if using one of the Astro-Physics adapters below.



Amount of spacing consumed by Astro-Physics adapters



Spacing from the rear flange (not threads) of the 175FF and 160FF with Backfocus Spacers removed. For imaging trains that require more than the 80.8 mm backfocus spacing, the Backfocus Spacer can be removed to provide additional room for such items as off-axis guiders. The allowable spacing without the Backfocus Spacer is shown below. Please note that the ADATCC2 can also be used in some configurations with the Backfocus Spacer removed as long as the proper overall spacing is maintained.

