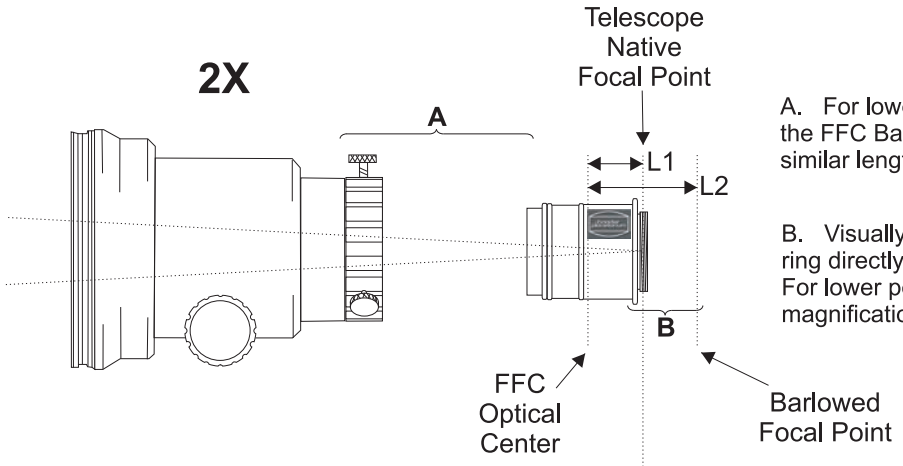
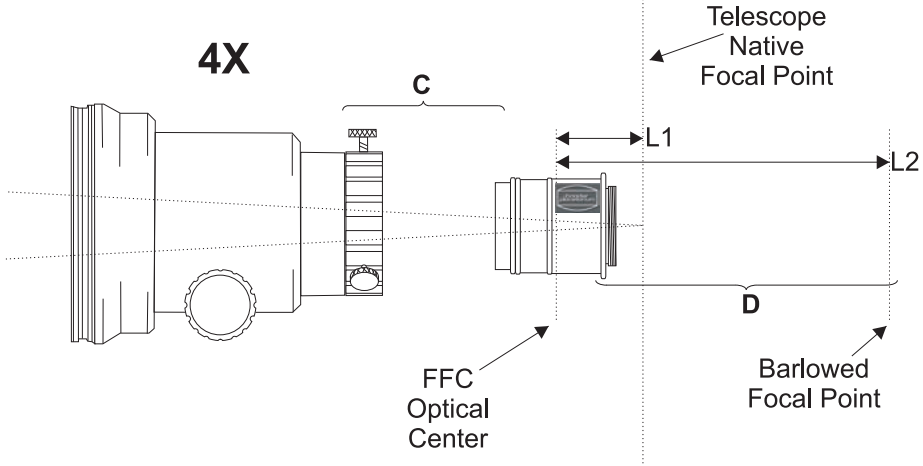


A. For lower powers like 2X, there is probably room in the light path to place a diagonal ahead of the FFC Barlow. For imaging with the diagonal removed, you would probably use the same or similar length extensions that you used for normal imaging to reach focus.

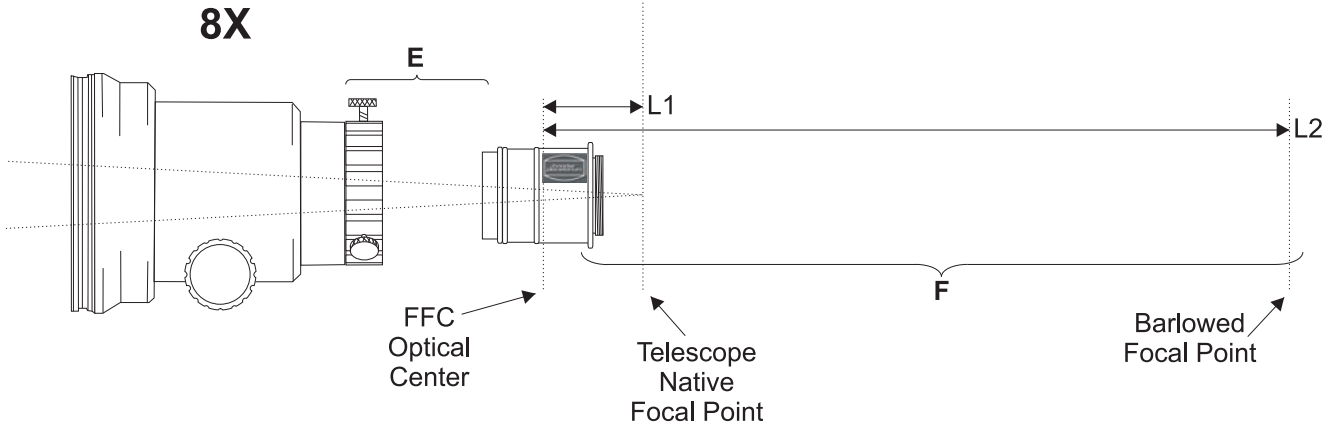
B. Visually, on the eyepiece side, you will attach the ADAT2, 2"/T-2 Adapter with brass locking ring directly to the FFC for 2X, or with short intermediate T-2 extensions for slightly higher powers. For lower power imaging, attach your camera's T-ring directly to the FFC. Increase the magnification with extensions between the FFC and the T-ring.

NOTE: We will always recommend using the AP16T 2"/T-2 Nosepiece on the front (objective side) of the FFC Barlow if your distance requirements will permit it. If you have to clamp down hard on something, we would rather that it be the nosepiece, and not the body of the FFC. Shorter configurations like that for 2X do not require such firm clamping.



C. As you configure the system for higher powers, the FFC moves forward in the telescope's light path, and the amount of distance between the FFC and your eyepiece increases. By the time you reach 4X it is advantageous to move the FFC in front of the diagonal to facilitate the in-focus requirements, and to prevent a long arm of extensions hanging off to the side in the diagonal. For imaging, remove focuser extensions as soon as you are able to do so.

D. Higher powers require more and more extension between the FFC and the eyepiece. For 4X and higher, put the ADAT2 directly onto the FFC, and then insert the diagonal into the ADAT2. Additional power can be achieved with either T-2 extensions between the FFC and ADAT2, or with standard 2" extensions after the ADAT2. For imaging at these middle to higher powers, plan on using a lot of extensions.



E. As you approach the highest usable magnifications, the diagonal will have to be on the back (eyepiece) side of the FFC as described above.

F. Now that's a lot of extensions! As this scale drawing shows, achieving 8X requires over 15" between the center of the FFC optic to the eyepiece or camera focal plane.

NOTE: When configuring a setup for very high magnification, be very aware of the amount of weight you are "hanging out there," and remember that at the FFC itself, there are only T-threads to hold it all!