

STARFIELD²" Herschel Solar Wedge

Instruction Manual

Read these instructions in full before using this product. Never allow children or inexperienced adults to handle a telescope and wedge or filter for solar observation. This is not a toy.

Remove any optical finder scope or guide scope, that is not specifically designed for solar observing, before pointing your telescope towards the sun.

For use with a **refractor** telescope only. Not to be used with a reflector style telescope, SCT, Maksutov. Telescopes that use mirrors cannot use a solar wedge.

The Starfield Optics 2" Herschel solar wedge has been manufactured to provide high contrast images of sunspots and granulations.

Suggested

General Precautions:

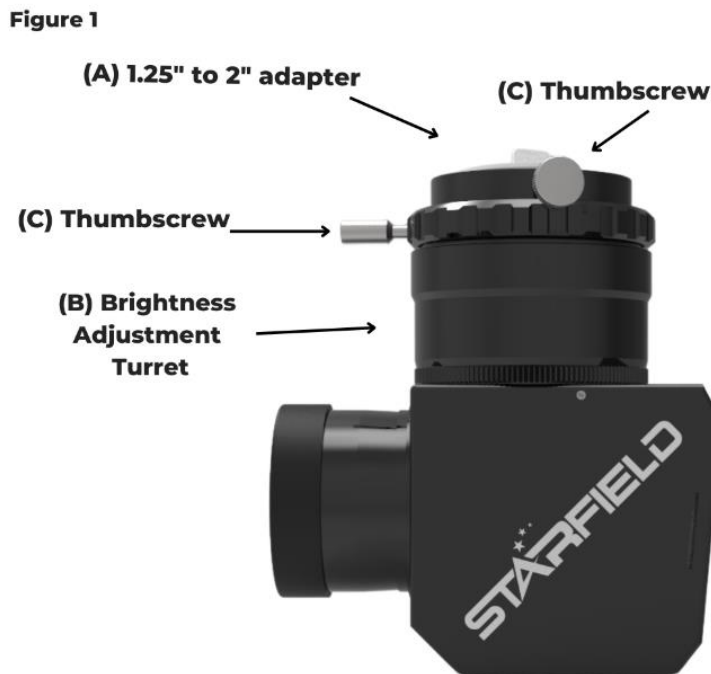
As with all solar instruments and accessories, the following precautions must be taken:

1. Inspect the wedge for any damage prior to use. Never use a solar filter or accessory that has been damaged.
2. Never leave the wedge unattended. Solar items and accessories should only be handled by experienced users.
3. Never remove the built-in filter. Before each use, check to ensure that this filter is securely mounted and in place.
4. Never use accessories or filters on the input / front of the Solar Wedge. Filters can crack or be damaged due to the concentrated heat. Paint can burn.
5. Filters can be added after the solar wedge. Filters such as coloured filters, continuum filters are safe to use. Barlows, reducers, and cameras can be used with the Solar Wedge when inserted into the eyepiece adapter.

General information

1. Solar Wedge adds 115mm of back focus. This measurement is to the top of the 2" turret
2. Recommend for use on refractors up to 155mm in aperture
3. 46mm Clear aperture
4. 1.25" to 2" eyepiece adapter included
5. Built in ND3 filter.

Figure 1: Controls for Operation



Setup Procedure:

1. Insert and securely fasten the Solar Wedge at the rear end of your refractor telescope using the thumbscrews on telescope's focuser. The Solar Wedge replaces your existing diagonal mirror.
2. Insert a 1.25" eyepiece into the (A) 1.25"-2" adapter on the back of the Solar Wedge. Alternatively, use the twist lock to remove the adapter to use 2" eyepieces, Barlows or nosepieces. Secure the eyepiece with the provided thumbscrew (C).
3. Point the telescope at the sun. A glowing ball of light should now be visible on the energy diffusion screen at the back of the Solar Wedge. Centre the glowing ball of light in the diffusing screen. Use your focuser to adjust focus.
4. You are ready to look through the eyepiece. Brightness can be adjusted by rotating the (B) brightness adjustment turret. When the correct brightness is achieved, lock the (D) thumbscrew. Please note if you are using a Barlow or filter, always place them on the output side of the Herschel Wedge to prevent damage and injury.

Figure 2: Controls for Brightness

Figure 2



Figure 3: Energy Diffusing Screen

Figure 3

