



Sirius Optics
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Underwood, Qld 4119

Opening Hours

10am-5:30pm Mon-Fri
9am-2pm Sat

Phone: 07 3423 2355
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4.30 inch ID Set of Orion Binocular Solar Filters (2 Per Set)

AUD
\$319.00

Product Images



Short Description

- A must-have set of two solar filters filter for safely observing the sun and sunspots without damaging your eyes or your Orion 20x80 Astronomy Binocular optics

- Optical glass filters fit snugly over each binocular objective lens to block 99.9% of incoming sunlight
- Glass elements are machine-polished and triple-coated with nickel-chromium stainless steel
- Each Orion binocular solar filter includes three equidistant thumbscrews, 4x 1/16" thick adhesive foam tabs, and 4x 1/8" thick adhesive foam tabs for customized friction fit to your binoculars
- Note: All Orion solar filters are designed for use with an adequate friction fit attachment. Thumbscrews should ONLY be used to keep filter securely in place once a friction fit has been achieved

Description

Who said you have to be in the dark to do astronomy! Turning your binoculars to the Sun is fun and educational when you have protective full-aperture solar filters installed. Watch the march of giant sunspots, the clouds of glowing vapor in the photosphere, and solar "granulation" detail. But be sure to protect your precious vision with safe Orion solar filters! Looking at the Sun without properly installed solar filters, even for an instant, can permanently damage your eyes.

This set of two solar filters with an inside diameter of 4.30" fit Orion 20x80 Astronomy binoculars so you can enjoy safe solar observations.

Superior to Mylar

These full-aperture optical glass filters deliver superb views of the Sun, without risk to your eyes. While more expensive than Mylar filters, Orion solar filters provide better contrast, a more natural yellow-orange - color rather than blue - and are more durable. The glass elements are machine-polished and triple-coated with an advanced nickel-chromium stainless steel alloy for a scratch-resistant surface. The filter passes only a fraction of the incoming light, rejecting harmful ultraviolet and infrared radiation. Each filter is mounted in an aluminum cell that slide-fits over the objective lenses of the binoculars.

***WARNING!** When using a truss tube Dobsonian telescope for solar observing, **always use a Light Shroud and a properly sized solar filter.** When you install the Light Shroud make certain there are no gaps between the Shroud and the telescope where direct sunlight can reach the telescope mirror. When a truss tube telescope (equipped with a solar filter but no Light Shroud) is pointing near (not at) the Sun, direct sunlight can hit the mirror and focus on the solar filter or other portions of the telescope. This can lead to eye injury or damage to the telescope. Using a Light Shroud protects your telescope from peripheral sunlight.

Before using any telescope for solar observing, make sure to install all dustcaps or other protective covers on all optical components such as finder scopes to keep sunlight from passing through them. Glancing through an uncovered optical system, even for an instant, can cause permanent eye damage. Always install protective caps on all optical instruments if left out during daylight hours.

CAUTION: Never look at the Sun, even for an instant, without a protective solar filter. Doing so can permanently damage your eyes.

Additional Information

Specifications	No
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