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saxon 12 inch DeepSky CT Dobsonian Telescope

AUD
\$2,199.00

Product Images



Short Description

The saxon 12" DeepSky CT Dobsonian Telescope is the scope that combines performance with portability.

This telescope comes with a massive light-hungry aperture of 305mm and a focal length of 1500mm. Immerse yourself with spectacular views of constellations, planets, double stars and galaxies with this advanced telescope.

NOTE: *to protect your scope optics from dust in storage we recommend the Pegasus 12" Dust cover for the bottom primary cell of your scope and the top secondary cell. (Product Number 126687)*

Description

The saxon 12" DeepSky CT Dobsonian Telescope features a powerhouse telescope with amazing light-gathering capabilities that's easy to use and transport.

This telescope is the retractable twin to the full-tube saxon 12" DeepSky Dobsonian Telescope and comes with the same specs of 305mm aperture and a focal length of 1500mm. Featuring a collapsible truss-tube dobsonian design, the optical tube can be retracted into a shorter length and locked down to ensure secure and easy transportation. This scope also comes with a paraboloidal primary mirror to eliminate spherical aberration allowing you to see wide-field views of the Moon, constellations and deep sky objects such as the Great Orion Nebula.

Assembly of the telescope requires no additional tools. You'll be pleased with how easy it is to use the saxon 12" DeepSky CT Dobsonian Telescope with its Dobsonian mount. Simply swivel the telescope to the direction of your intended object and look through the eyepiece. This scope's Teflon bearing system in both axes with tension control handle means you'll be able to smoothly move your telescope to a precise location.

The DeepSky CT Dobsonian Telescopes series comes in three sizes - 8", 10" and 12".

What is a Dobsonian telescope and why the tension control handle?

A simple, elegant form of an alt-azimuth mount made to carry a Newtonian reflector was popularized by John Dobson in the late 1970's. The Dobsonian mounted telescope is popular among amateur astronomers and telescope makers because of its simplicity. In its simplest form, the Dobsonian mount consists of a box which allows the optical tube assembly to pivot in altitude, while the box itself is swivelled on a base in azimuth.

The Dobsonian mount usually relies on the friction between the side bearings on the optical tube of the telescope and a frictional material on the saddle to hold the optical tube in place. If there is too much friction, the telescope is difficult to move to center an object in the field of view. If there is too little friction, the telescope will not stay where it is positioned. This makes stabilizing the optical tube of the telescope difficult when using a Dobsonian mount, especially when accessories, such as a finderscope or an eyepiece, are added to the optical tube. As long as the amount of friction is at an appropriate level, and therefore stabilization of the optical tube is achieved, the telescope can remain in its desired position to view an object and maintain its position even when the mount is rotated.

The devices for stabilizing a telescope on the Dobsonian mount currently available include: a sliceable weight to counter balance the weight of the telescope, a friction lock that must be adjusted to inhibit movement of the telescope, and a spring attached between the telescope tube and mount to aid in stabilization.

These devices are inconvenient to use because they do not provide a simple and user-friendly way to adjust the friction. The objective of the saxon Tension Control Handle invention is to provide a tension adjuster that users can easily turn to add or reduce tension, thereby increasing or decreasing the friction between the optical tube and the sideboard of the mount.

By providing such a tension adjuster, the telescope does not need to be balanced in order to stay in position. The tension adjuster can be tightened such that the optical tube can stay in a position but can still be moved when prompted to adjust the position of the optical tube. Alternatively, the tension adjuster can be completely tightened to lock the optical tube in position.

Specifications

Warranty Information	5-Years Limited Warranty
Optical Design	Newtonian (Parabolic)
Aperture	305mm
Highest Practical Power	610x
Focal Length	1500mm
Focal Ratio	F/4.9
Eyepieces	Plossl 25 and Plossl 10
Finderscope	9x50
Barlow Lens	No
Diagonal	No
Mount Type	Dobsonian Alt-Azimuth
Tripod	No
Optical Tube Dimensions	450 x (920 - 1400)cm
Optical Tube Weight	21.0kg
Shipping Dimensions	Tube: 104 x 55 x 54cm3, Base: 77 x 73 x 14cm3
Shipping Weight	Tube: 28kg, Base: 22kg