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saxon 10 Inch DeepSky Dobsonian Telescope

AUD
\$1,199.00

Product Images

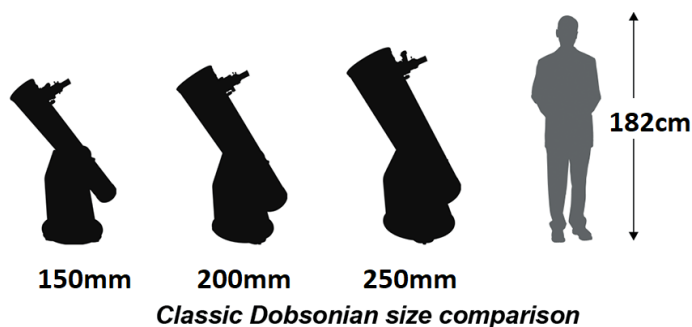


Short Description

Immerse yourself with views of deep sky objects at a reasonable cost with the **saxon 10" DeepSky Dobsonian Telescope**.

This telescope is built with a primary mirror made from **Pyrex** glass and comes with a light-devouring aperture of 254mm and a focal length of 1200mm. Get bright, clear views of the Moon, planets, star clusters, double stars and galaxies with this scope. This 10" telescope comes with a host of parts and accessories - two Plossl eyepieces to give you a wider field of view, a finderscope to help you find objects and a Crayford focuser to provide smooth, precise adjustments.

The **saxon 10" DeepSky Dobsonian Telescope** is a telescope for serious beginners that is built to last.



NOTE: to protect your scope optics from dust, spiders and other pesky critters in storage we recommend the Pegasus 10" Dust cover for the bottom of your scope. (Product Number 126686)

If you wish to fit a solar filter for solar viewing we recommend the Orion 11.63 Glass solar Filter (Product No. 124909) for this scope.

Description

The **saxon 10" DeepSky Dobsonian Telescope** is the perfect partner to begin your astronomy adventure with. This affordable telescope comes with a "paraboloidal" primary mirror to eliminate spherical aberration and a four-arm, secondary-mirror bracket with fine supports (0.5mm thick) to reduce diffraction spikes and light loss.

This telescope comes with an aperture of 254mm and a focal length of 1200mm in a 10" tube. This scope features quality parts and accessories - the special roller-bearing construction, Crayford focuser, eyepieces and finderscope are all designed to aid with your observing experience.

The **saxon 10" DeepSky Dobsonian Telescope** also features a primary mirror made of **Pyrex** glass. **Pyrex** glass promises high quality images by reducing the cooling time of telescopes larger than 8" in diameter without the need of an extra fan. This is because the **Pyrex** glass is less affected by changing temperatures. The solid build of the **Pyrex** glass also makes it substantially more resistant to scratches compared to plate glass.

Once assembled and with a little practice, you'll soon be able to find and view the rocky surfaces of the Moon, planets in the Solar System as well as deep sky objects such as star clusters, double stars, nebulae and galaxies.

The **saxon 10" DeepSky Dobsonian Telescope** requires no additional tools during assembly and is incredibly easy to use, making it the perfect scope for serious beginner astronomers.

The *DeepSky Dobsonian Telescopes* series comes in four sizes - 6", 8", 10" and 12".

What is 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.

Additional Information

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| Specifications | WARRANTY INFORMATION | 5-Years Limited Warranty |
| | OPTICAL DESIGN | Newtonian (Parabolic) |
| | APERTURE | 254mm |
| | LOWEST PRACTICAL POWER | No |
| | HIGHEST PRACTICAL POWER | 508x |
| | FOCAL LENGTH | 1200mm |
| | FOCAL RATIO | F/4.7 |
| | EYEPIECES | Plossl 25 and Plossl 10 |
| | FINDERSCOPE | 9x50 |
| | BARLOW LENS | No |
| | DIAGONAL | No |
| | MOUNT TYPE | Dobsonian Alt-Azimuth |
| | TRIPOD | No |
| | OPTICAL TUBE DIMENSIONS | 26 x 112cm |
| | OPTICAL TUBE WEIGHT | 15.0kg |
| | SHIPPING DIMENSIONS | Tube: 127 x 51 x 47cm, Base: 77 x 67 x 13cm3 |
| | SHIPPING WEIGHT | Tube: 18kg, Base: 15kg |