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Dobson telescope with a diameter of 12 inches with the GOTO system with 40,000 objects in the base The new series of Dobson telescopes are optical instruments equipped with GO-TO system made with high precision. Thanks to a significant aperture, these types of telescopes are perfect for visual observations, they are perfect for observing objects of the solar system, as well as nebulae, star clusters and galaxies. Tubes of telescopes in this series are folded so that this equipment, in spite of quite a lot of possibilities, is convenient to store and transport. Unlike other folding constructions, Sky-Watcher telescopes do not require dismantling the tube for transport. They are transported in the form of two elements - Dobson's assembly with the GOTO system and a folded tube. Such a telescope requires only a delicate collimation after being disassembled. The telescope's operation is facilitated by the patented by the Sky-Watcher pressure regulation in the height axis. The Dobsons with the GOTO system have been equipped with the SynScan AZ driver allowing the telescope to be directed to any direction of the sky in a simple way. The user-friendly menu allows you to easily select one of more than 42,900 objects stored in the system's memory. Thanks to the use of special encoders, it is possible to manually rotate the telescope without the need to reset the GOTO system. Telescopes of this type are a great combination of the advantages of large dobsonów with the convenience of the GOTO telescope.

**OFFERED TELESCOPIC LINKS TO START OBSERVATIONS IN THE FIRST FRONTLIGHT OF NIGHT - INCLUDES ALL NECESSARY ACCESSORIES, OPTICAL OPTICAL TUBE OPTION, SET WITH GLASSES AND DOOR INSTALLATION**

Usage Moon the planet star clusters nebulae planes Technical parameters

- Optical system: Newton's headlamp
- Diameter of the mirror: 305 mm
- Focal length of the lens: 1500 mm
- Lighted: 1 / 4.9
- Accuracy of the mirror's performance: 1 / 8?
- Mirror glass type: Pyrex
- Theoretical angular resolution: 0.39 "
- Maximum useful magnification: 600x
- Length of the extension tube: 140 cm
- Length of the composite tube (pushed together): 92 cm
- Outer tube diameter: 45 cm
- Dimensions of the telescope packed in transport boxes: - tube: 54 x 54 x 105 cm, 27 kg gross - Dobson's assembly: 83 x 73 x 31 cm, 34 kg gross
- Base weight: 14 kg
- Tube weight: 21 kg
- GOTO SynScan AZ system
- power supply: 10 to 15V, 1A, 2.1mm plug (standard container for 8x R20)
- drive: DC servo motors
- resolution of the motor encoder: 1620000 counts per revolution
- axis encoder resolution: 11748 counts per revolution
- speeds: 1x, 2x, 8x, 16x, 32x, 200x, 400x, 600x, 800x, 1000x
- tracking modes: star, lunar, solar
- tracking method: azimuth, in two axes
- setting modes: for the brightest star, for 2 stars
- database of objects: 25 defined by the user, Messier catalogs, NGC, IC, part of the SAO catalog, including 4,290 objects
- adjustment accuracy: up to 5 minutes

Equipment The set includes the following accessories:

- Crayford focuser 2 "with 1.25" reduction and T2 thread
- SP and 25mm SP glasses
- Dobson installation with the GOTO SynScan AZ system (40,000 objects in the base)
- 8x50 finder with a cross
- Warranty 2 years (Newton's system telescope with a main mirror 305 mm) (the slide tube construction ensures easy transport) (a powerful 305 mm mirror guarantees a very strong observation experience) (pilot of the SynScan guidance system - the heart of the telescope's position control) (secondary mirror, finder, extractor) (Excellent 8x50 finder with a cross) (precise Crayford lift) (2 glasses and 2 "adapter included) (power cord for cigarette lighter socket and RS232 cable for control from a computer)

Pictures taken with this telescope (Author: MSn) Author's comment for photos: "I am sending pictures from all-night observations that we have carried out on a beautiful night 6/7 September 2013. Just yesterday I finished the last photo. In the morning, we have already looked at winter objects. Because we were focused on observations - I only took pictures in "breaks", but I'm still shocked at what this tube can do :)" Teleskopy.pl would like to thank the author for sending the next, wonderful materials. Note: after clicking on the photo, it opens in a new window full-size; information about the exposure parameters at the bottom of each photo in large size. (Messier 27 - Dumbbells) (Messier 31) (Messier 31) (Messier 33) (Messier 42) (Messier 57) (Veil) (Veil) Warning! This device focuses a lot of light. Looking directly at the sun through this device can result in partial or complete loss of vision. For the observation of the Sun, we recommend the safest method of spectacle projection, that is, projecting the image of the target of our day star on a piece of paper.

**ADDITIONAL MATERIALS** READ : BEFORE BUYING TELESKOP - GUIDE FOR BUYERS [PDF] READ : A SHORT OPTICAL CLEANER GUIDE [PDF] READ : HOW TO GET A COMPACT WITH A TELESCOPIC [PDF] PLEASE READ : HOW TO GIVE A DIGITAL MULTIPLE TELESCOPE [PDF]