

# teleskopy.pl



WideBino28 is a quite special astronomical device. It does not offer great magnifications, but it still arouses considerable emotions in anyone who had the opportunity to use it under the starry sky. The WideBino28 binoculars allow for 1-2 magnitude "yield" (depending on the pupil dilatation) and allow you to admire the huge skies in a unique way. Basically, the field of view of the binoculars in the Galileo construction is very small (that's why we use the Kepler construction in telescopes). The only way is to use extremely bright lens optics - on the order of  $f / 2$  or brighter. However, it is well known that such bright achromatic systems (doublets) will be affected by strong aberrations. WideBino28 is based on lenses of concave-convex lenses (two elements in two groups) and cylindrical glasses (two elements in one group), so that the aberrations are minimized, and a very wide and flat to the edge field of view is obtained. Stars are scattered throughout the field of view. The optics are fully covered with broadband layers (FMC, all surfaces) and the inside of the body is properly darkened. Note (1): the Galileo system does not have an eye-relief - to get the widest field of view, "push" into the binoculars, i.e. move it as close to the eyes as possible. Adjustment of the vision defect reaches minus 6 D, only people with a higher defect must use corrective glasses - for smaller defects it is recommended to opt out of optical glasses and adjust the defect with binoculars. Note (2): the field of view of the binoculars in the Galileo system depends on the diameter of the eye pupil of the observer. A field of  $28^\circ$  is obtained with a maximum pupil opening of 7 mm, with very good darkness adaptation. Technical parameters: active diameter: 40 mm; magnification: 2.3x; field of view:  $28^\circ$ ; range of pupil distance adjustment: 52 - 73 mm; focusing mechanism: IF (individually in each eyepiece); minimum observation distance: 1.5 meters; eye relief: see description, note (1); dimensions: 123 x 40 x 50 mm; weight: 255 g. Included: front / back caps, neck strap, soft case. Warranty 24 months. Below - with optional head mask and 2 "filter adapters".