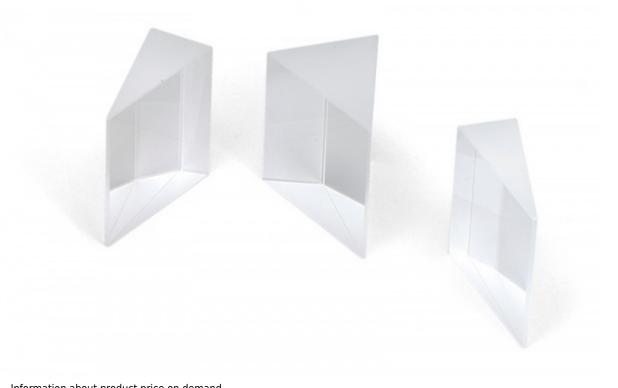


HELAGO-CZ, s.r.o. Commercial Register maintained by the Regional Court in Hradec Králové Section C, File 17879 Kladská 1082 500 03 Hradec Králové 3 Company ID: 25 96 39 61, VAT: CZ 25963961 Phone: 495 220 229, 495 220 394 Fax: 495 220 154 GSM gate: 602 123 096 E-mail: info@helago-cz.cz Web: http://www.helago-cz.cz

Set of 3 Prisms Order code: 5401.1002863



Information about product price on demand

Parameters

Quantitative unit

ks

Set of prisms for demonstrating the design of an achromatic prism and a direct vision prism. Consists of a thin flint glass prism, as well as thin and thick crown glass equilateral prisms.

The two thin prisms deflect a light beam equally strongly but with different dispersion. Moving them closer together in the light path results in a direct vision prism which decomposes light into its spectral components without deflecting it. The thick crown glass prism has the same dispersion as the flint glass prism, but deflects the light beam twice distance. This permits configuration of an achromatic prism which deflects light without splitting it into a spectrum.

- Material: flint glass
- Refractive index: 1,608
- Average dispersion: 0,017
- Base: 15 mm
- Side length: 40 mm
- Height: 40 mm
- Material: crown glass
- Refractive index: 1,515
- Average dispersion: 0,008

- Base: 30 mm
- Side length: 40 mm
- Height: 40 mm
- Material: crown glass
- Refractive index: 1,515
- Average dispersion: 0,008
- Base: 18 mm
- Side length: 40 mm
- Height: 40 mm