



Information about product price on demand

Parameters

Quantitative unit

ks

- Detailed description

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

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