

1000607 Set of 5 Slit and Hole Diaphragms

Instruction sheet

11/15 Hh



1. Description

The set of slits and diaphragms can be used in a variety of experiments on geometrical and wave optics. The set consists of five optical objects in slide frames 50 mm x 50 mm.

2. Contents

- 1 Slit, slit width 1 mm
- 1 Threefold slit, slit width 1 mm, slit spacing 5 mm
- 1 Fivefold slit, slit width 1 mm, slit spacing 5 mm
- 1 Apertured diaphragm, 8 mm diam.
- 1 F diaphragm

3. Examples of use

The slits are used for the generation of rays or beams of light for experiments on refraction, reflection, determination of focal lengths of lenses and mirrors etc.

The apertured diaphragm finds use e.g. with the demonstration of lens aberrations, spherical and chromatic. Use the "F-diaphragm" with the proof of the lens laws e.g. magnification, image, Camera obscura.