

U17040 Set of slits and diaphragms

Instruction sheet

6/03 ALF



The set of slits and diaphragms can be used in a variety of experiments on geometrical and wave optics.

1. Description, technical data

The set of slits and diaphragms consists of five optical objects in slide frames 50 mm x 50 mm.

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 Ø
1	“F-diaphragm”	

2. 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.