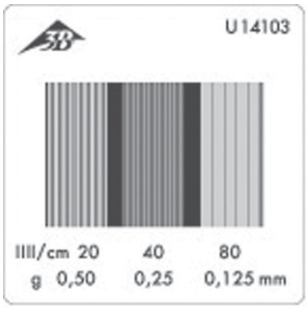
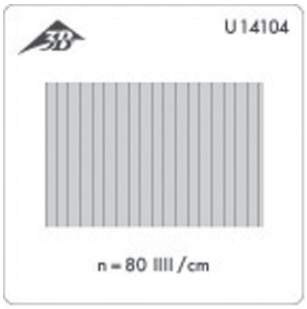
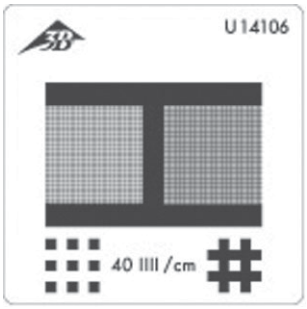
U14103, U14104, U14106 Diffraction gratings

Instruction sheet

9/03 ALF







These diffraction gratings are suitable for a wide range of experiments in wave optics involving diffraction and interference.

1. Safety instructions

- To avoid getting the diffraction gratings dirty or damaged, only hold them by the slide frames.

2. Description, technical data

2.1 U14103 Diffraction gratings - 3 gratings

The U14103 diffraction gratings set includes 3 photographically produced gratings of different grating constant in 50 x 50 slide frames.

Number of lines (cm^{-1}): 20, 40, 80
Grating constant (mm): 0.50, 0.25, 0.125

2.2 U14104 Diffraction grating, line grating

The U14104 diffraction grating is a photographically produced grating in a 50 x 50 slide frame.

Number of lines (cm^{-1}): 80
Grating constant (mm): 0.125

2.3 U14106 Diffraction gratings, 2 cross gratings

The U14106 diffraction gratings are photographically produced cross gratings in 50 x 50 slide frames.

Number of lines (cm^{-1}): 40
Grating constant (mm): 0.25