Aspherical Magnifiers

All aspherical Rodenstock magnifiers excel by highest optical performance, provide a comfortable, fatigue-free view even for eyeglass wearers and during long-term observation. They provide a stable image, too, even if the eye does not rest in a fixed position above the eyepiece. They are convincing by a noble design without frills and with very practical details.

Their multi-element optical design is optimized for the special demands of visual usage and comprises different glass types for eliminating color fringes as well as aspherical lens surfaces for achieving uniform sharpness up to the margin, freedom from distortion and good flatness of field. So these magnifiers are real precision instruments of an extraordinary quality level.

Multicoating enhances light transmission for a bright and brilliant image and eliminates contrast-reducing flare and reflections. An efficient reflection reducing coating is important because magnifiers are often used (or mostly by photographers) for evaluating transparencies or negatives on a light table. In this application the extremely bright back light could generate nebulous flare, irritating reflections and ghost images.

All three magnifiers can be adapted to frontal illuminated or backlit subjects: The magnifier 3× has a half black and half transparent base that can be turned, and both magnifiers 4× and 6× have a sliding skirt that shades frontal light in its lower position for viewing transparancies and allows diffused light to fall through a translucent tube in its upper position for viewing opaque subjects in almost shadow-free illumination.

All magnifiers can be adjusted for diopter compensation. Eyeglass wearers can fold down the rubber eyecups; eyeglasses cannot be scratched. The very long eye relief, a large lens and exit pupil diameter provide a very comfortable viewing, allow the eye to move without cropping the large field of view.

With the detachable neck strap the magnifiers can be taken permanently, will be available and can be used instantly whenever they are needed, e.g. in a graphics studio or photo studio.

Data sheet

Technical specifications

Aspherical magnifier	Field of view	Diopter adjustm.
Aspherical magnifier 3×	60 × 60 mm	±0 … –1.5 D
Aspherical magnifier 4×	41 mm Ø	+0.5 … –2.5 D
Aspherical magnifier 6×	57 mm Ø	+1 … –2.0 D

Aspherical magnifiers: render the finest details crisp and without distortion in a very wide field of view

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Technical specifications

Aspherical Magnifier	Elements/ groups	Diopter adjustment	Field of view	Eyepiece passage	Exit pupil	Eye relief	Dimensions[1] width × height	Weight
Magnifier 3×	2 / 1	±0 … -1,5 D	60 × 60 mm	36 mm Ø	16 mm Ø	30 mm	81 × 104 mm	210 g
Magnifier 4×	2 / 1	+0.5 … -2,5 D	41 mm Ø	28 mm Ø	16 mm Ø	30 mm	53 × 65 mm	80 g
Magnifier 6×	3 / 2	+1 … -2,0 D	57 mm Ø	46 mm Ø	12 mm Ø	32 mm	68 × 63 mm	210 g

[1]) The height of the magnifiers is given for a diopter correction setting of 0 D and folded eyecup