

Stand magnifier 5x

Standard, all-purpose magnifier.

- Size: $\varnothing 35 \times 55$ mm.

Item No.	Price EUR
905.110	

**Stand magnifier 10x**

Standard, all-purpose magnifier. Very suitable for inspection of tissues, structures and photographic negatives.

- Size: $\varnothing 34 \times 41$ mm.

Item No.	Price EUR
905.112	

**Stand magnifier 10x**

A simple, all-purpose magnifier.

- Size: $\varnothing 41 / \varnothing 45 \times 40$ mm.



Item No.	Price EUR
905.316	

**Stand magnifier 15x**

Bright images with high contrast due to a coated achromatic lens. With wide acrylic tube.

- Size: $\varnothing 27 / \varnothing 36 \times 33$ mm.

Item No.	Price EUR
905.114	

**Stand magnifier 22x**

Bright images with high contrast due to a coated achromatic lens. Suitable for inspection of high precision work.

- Size: $\varnothing 28 \times 30$ mm.

Item No.	Price EUR
905.116	



Magnetic magnifier 5x

This magnifier has two small magnets which make sure that the magnifier can be put on a fixed position without moving. By placing this magnifier on hard to read scale divisions of, for example, graduated rulers, height gauges or micrometers, the possibility of reading errors substantially reduces.

- Field of view: \varnothing 30 mm.
- Dimensions: \varnothing 44 x 20 x 30 mm.
- Weight: 15 g.



Item No.	Description	Price EUR
905.210	Magnetic magnifier 5x	

Eye magnifiers 3.3x ... 10x

Eye magnifiers can be placed in front of the eye easily, which makes them ideal tools for working on small products like watches, clocks and jewelry.

- Choice of 5 different magnifications.
- Available in versions made of aluminum (models beginning with the letter 'A') or vinyl (those beginning with the letter 'V').
- Weight: aluminum: 10 - 13 g,
vinyl: 6 - 6.5 g.
- A small hole in the tube prevents the lens from becoming blurred.

Item No.	Model	Magnification	Lenses	Price EUR
905.390	A13D	3.3x	1	
905.391	A16D	4.0x	1	
905.392	A20D	5.0x	1	
905.393	A26D	6.7x	1	
905.394	AW	10.0x	2	
905.395	V13D	3.3x	1	
905.396	V16D	4.0x	1	
905.397	V20D	5.0x	1	
905.398	V26D	6.7x	1	



905.390 - 905.393



905.394



905.395 - 905.398



Zoom magnifiers 8-16x, 10-20x

Unique stepless zoom lens with sufficient brightness in each stage of magnification and a minimum of optical aberration. With click-stop on magnifications 8/10/12/14/16x and 10/15/20x, respectively. Equipped with scale.

- Field of view: 8-16x: $\varnothing 20$ to $\varnothing 10$ mm,
10-20x: $\varnothing 13$ to $\varnothing 7$ mm.
- Adjustment range eye correction:
8-16x: +2.5D to -5D,
10-20x: +5D to -3.5D.
- Measuring range scale: 8-16x: 16 mm,
10-20x: 12 mm.
- Scale value: 0.1 mm.
- Size: 8-16x: $\varnothing 45 \times 65$ mm,
10-20x: $\varnothing 42 \times 52$ mm.



905.197



905.198

NEW

Item No.	Description	Price EUR
905.197	Zoom magnifier 8-16x	
905.198	Zoom magnifier 10-20x	

Telecentric magnifier 7x

A telecentric magnifier shows objects, which are at different distances, with the same magnification. In this way 3D objects, or e.g. a needle above a scale, can be shown and measured accurately without parallax error.

- Field of view:
 $\varnothing 24$ mm.
- Measuring range
scale: 20 mm.
- Scale value: 0.1 mm.
- Adjustable diaphragm,
aperture diameter:
0.5, 1, and 3 mm.
- Size: $\varnothing 38 \times 74$ mm.



Item No.	Description	Price EUR
905.136	Telecentric magnifier 7x including case and standard scale (for scales of $\varnothing 26$ mm)	

Stand magnifier 4x

This practical and convenient magnifier can be used for many purposes, like inspecting films. The magnifier is delivered with a clear and a black base, which allows you, depending on the amount of light, to choose the base which is most suitable for your application.

- Field of view: $\varnothing 45$ mm.
- Size: $51 \times 65 \times 51$ mm.
- Weight: 80 g.

Item No.	Description	Price EUR
905.399	Stand magnifier 4x	



Stand magnifier 8x

Convenient and smartly designed magnifier with achromatic lens. A scale is engraved at the bottom of the transparent acrylic base. Photographic negatives can be inspected using the base with opal glass.

- Field of view: 24 x 36 mm.
- Size without base: 46 x 49 x 39 mm.
- Weight: 52 g.



Item No.	Description	Price EUR
905.290	Magnifier w/o base	
905.291	Base	

Light magnifier 3.5x

Large square lens (52 x 52 mm) of plastic with illumination, e.g. for reading maps and indicators, and for inspection of production processes.

- Size: 60 x 75 x 190 mm.
- Weight (without batteries): 120 g.
- Power supply: 2 batteries 1.5 V.



Item No.	Description	Price EUR
905.212	Magnifier (w/o batteries)	
495.153	Battery	

Illuminating magnifiers 3x on stand

Large lens (130 mm diameter) with large field of view, which can be put in various positions. A circular fluorescent lamp is installed around the magnifier (905.162 also has base illumination). The magnifier stands on a solid base. Very suitable for production and assembly of precision instruments.

- Power supply: 230 Vac.



Item No.	Description	Price EUR
905.163	Without base illumination, base plane 190 x 150 mm	
905.165	With base illumination, light box 210 x 265 mm	
Options:		
905.166	Auxiliary lens $M = 3x$ (total $M = 5x$)	
904.001	Replacement circular lamp	

Head magnifiers 2.2x ... 5.2x

Because of the velcro strip, the head magnifier can be used easily. The great advantage of a head magnifier is that the user has both hands free for e.g. production and assembly of precision instruments. The head magnifier is designed in such a way that people who wear glasses can use it as well. With the extra pair of lenses inside the head magnifier, the magnification can be enhanced from 2.2x to 3.3x.

- Clear, broad and 3-dimensional view.
- Weight 905.318: 100 g,
905.317: 118 g.

Item No.	Magnification	Price EUR
905.318	2.2x / 3.3x	
905.317	2.2x / 3.3x / 4.1x / 5.2x	



Pen microscopes with EIM 25x ... 100x

These pen microscopes have a fixed scale and EIM system. With standard microscopes, the magnification is upside down, but because of the EIM system, this is not the case with these pen microscopes.

- Size: $\varnothing 20.7 \times 111$ mm.
- Weight: 25-28 g.

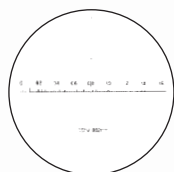


Item No.	Magnification	Field of view \varnothing /mm	Measuring range/mm	Scale graduation/mm	Price EUR
905.404	25x	3.50	3.0	0.050	
905.405	50x	1.70	1.6	0.020	
905.406	75x	1.10	1.0	0.019	
905.407	100x	0.86	0.8	0.005	

Pen microscopes 25x ... 100x

The 25x and 50x versions are also available with a fixed scale (905.263 and 905.264).

- Size: $\varnothing 12.4 \times 127$ mm.
- Weight: 13-16 g.



Item No.	Magnification	Field of view \varnothing mm	Meas. range mm	Scale graduation/mm	Price EUR
905.267	25x	3.30	—	—	
905.268	50x	2.00	—	—	
905.269	75x	1.09	—	—	
905.266	100x	0.84	—	—	
905.263	25x	3.30	3.00	0.05	
905.264	50x	2.00	1.60	0.02	



Light magnifiers 10x and 15x

Magnifier with illumination.

- Size 905.118: 175 x 35 x 41 mm,
905.119: 180 x 36 x 42 mm.
- Weight (without batteries) 905.118: 81 g,
905.119: 90 g.
- Power supply: 2 batteries 1.5 V (excl.).



Item No.	Magnification	Price EUR
905.118	10x	
905.119	15x	
495.153	Battery	

Folding magnifiers 7x ... 20x

Steinheil magnifiers with an excellent chromatic correction and a large field of view.

- Size: 39 x 24 x 22 mm.
- Weight: 18-22 g.



Item No.	Magnification	Field of view ø/mm	Price EUR
905.200	7x	16	
905.202	10x	15.5	
905.204	14x	12	
905.206	20x	7	

Folding magnifiers 3x ... 9x

Because of their small size, these folding magnifiers are easy to use. Available in several magnifications, with one or two lenses. The advantage of two lenses is that it gives a very sharp image, because the image error of the first lens is being corrected by the second one.

A mm scale is engraved at each of the four sides of the base. The scale length is equal to the width of the field of view (see table).



Item No.	Magnification	Field of view/mm	No. of lenses	Material/Color	Price EUR
905.230	9x	10 x 10	1	Al/Clear	
905.375	7x	15 x 15	1	Al/Clear	
905.376	6x	25 x 25	1	Al/Clear	
905.377	9x	10 x 10	1	Al/Black	
905.378	7x	15 x 15	1	Al/Black	
905.379	6x	25 x 25	1	Al/Black	
905.383	4x	30 x 30	2	Al/Black	
905.384	3x	50 x 50	2	Al/Black	
905.380	9x	10 x 10	2	Zn/Black	
905.381	8x	15 x 15	2	Zn/Black	
905.382	6x	25 x 25	2	Zn/Black	

Scale magnifier 7x

All-purpose scale magnifier. Aberrations are avoided by the excellent achromatic lenses.



- Field of view: \varnothing 26 mm.
- Measuring range standard scale: 20 mm.
- Scale value: 0.1 mm.
- Size: \varnothing 36 x 62 mm.
- Weight: 56 g.



Scale magnifier also available with illumination.

- Field of view: \varnothing 22 mm.
- Size: \varnothing 36 x 58 x 175 mm.
- Weight (without batteries): 118 g.
- Power supply: 2 batteries 1.5 V.

Item No.	Description	Price EUR
905.140	Magnifier with standard scale in a case	
905.155	SET of magnifier 905.140 and 5 scales in a case	
905.138	Magnifier 905.140 with illumination (without batteries)	
495.153	Battery	

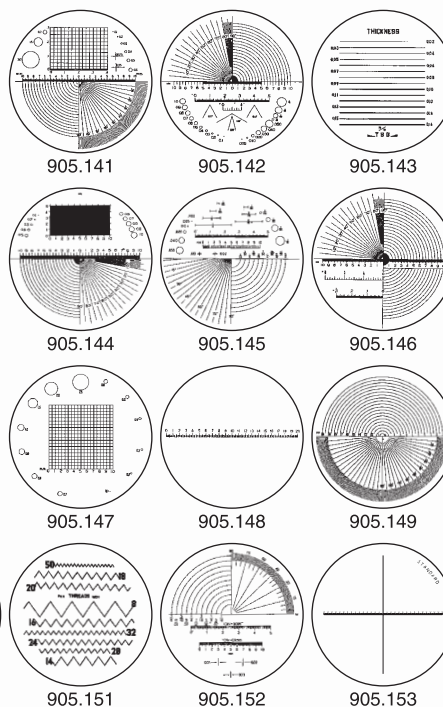


Scale magnifier also available in a SET with the most frequently used scales (2, 3, 7, 8 and 10).

Scales \varnothing 26 mm

Aside from the standard scale, various other scales are available, each one with its own specific application. These scales are interchangeable in scale magnifiers like the one above.

Item No.	Scale	Price EUR
905.141	no. 1	
905.142	no. 2	
905.143	no. 3	
905.144	no. 4	
905.145	no. 5	
905.146	no. 6	
905.147	no. 7	
905.148	no. 8	
905.149	no. 9	
905.150	no. 10	
905.151	no. 11	
905.152	no. 12	
905.153	standard	



Scale magnifier 10x

All-purpose scale magnifier. Aberrations are avoided by the excellent achromatic lenses. High resolution and large field of view.

- Field of view: \varnothing 35 mm.
- Measuring range standard scale: 30 mm.
- Scale value: 0.1 mm.



- Size: \varnothing 46 x 44 mm.
- Weight: 74 g.



Scale magnifier also available with illumination.

- Field of view: \varnothing 32 mm.
- Size: \varnothing 47 x 45 x 185 mm.
- Weight (without batteries): 134 g.
- Power supply: 2 batteries 1.5 V.



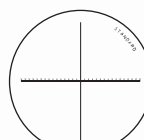
Scale magnifier also available in a SET with the most frequently used scales (2, 3, 7, 8 and 10).

Item No.	Description	Price EUR
905.180	Magnifier with standard scale in a case	
905.195	SET of magnifier 905.180 and 5 scales in a case	
905.178	Magnifier 905.180 with illumination (without batteries)	
495.153	Battery	

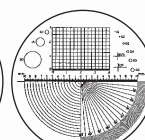
Scales \varnothing 35 mm

Aside from the standard scale, various other scales are available, each one with its own specific application. These scales are interchangeable in scale magnifiers like the one above.

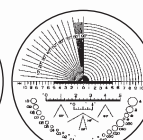
Item No.	Scale	Price EUR
905.181	standard	
905.182	no. 1	
905.183	no. 2	
905.184	no. 3	
905.185	no. 4	
905.186	no. 5	
905.187	no. 6	
905.188	no. 7	
905.189	no. 8	
905.190	no. 9	
905.191	no. 10	
905.192	no. 11	
905.193	no. 12	



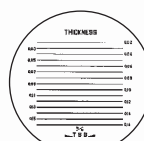
905.181



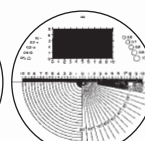
905.182



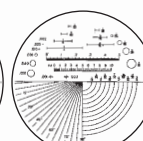
905.183



905.184



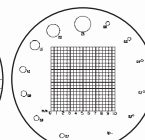
905.185



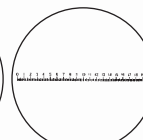
905.186



905.187



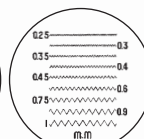
905.188



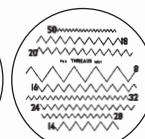
905.189



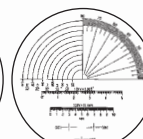
905.190



905.191



905.192

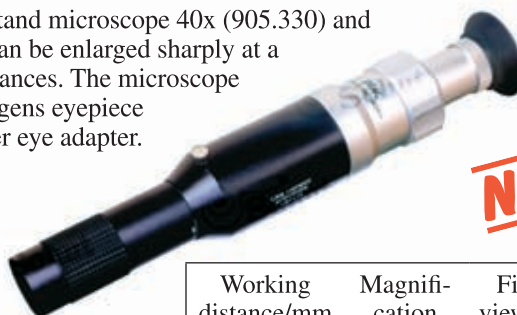


905.193

Long-distance microscope

The long-distance microscope consists of a stand microscope 40x (905.330) and an objective unit. The objects being inspected can be enlarged sharply at a short distance of 200 mm as well as at long distances. The microscope has a large field of view, and comes with a Huygens eyepiece (magnification 10x) and a detachable soft rubber eye adapter.

- Focusing with helicoid ring.
- Dimensions at working distance
200 mm: $\varnothing 46 \times 316$ mm,
infinite: $\varnothing 46 \times 262$ mm.
- Weight: 414 g.
- Delivery in a case incl. standard scale.



NEW

Item No.	Description	Price EUR
905.435	Long-distance microscope	

Working distance/mm	Magnification	Field of view \varnothing /mm
200	27x	5.5
300	15x	10
400	10x	15
500	8x	19

Scale magnifier 10x "TRI-Work"

The base of this "TRI-Work" magnifier is the scale magnifier 10x (905.180).

- Intensify contrast by using colored filters.
- Shielding of the measuring face by an iris diaphragm.
- Field of view: $\varnothing 32$ mm.
- Measuring range standard scale: 30 mm.
- Scale graduation standard scale: 0.1 mm.
- Standard filter: light blue.
- Opening diaphragm: 3 to 17.8 mm.
- Dimensions: $\varnothing 46 \times 41$ mm.
- Weight: 100 g.



Item No.	Description	Price EUR
905.327	Magnifier with standard scale, light blue filter and diaphragm	

For scales (item no. 905.181 to 905.193), see scale magnifier 10x (item no. 905.180).

Scale magnifier 3x

Scale magnifier with a lens system separated from the scale by a stand, hereby creating a larger working distance, field of view and luminous intensity. The scale is placed in a rotatable ring in the base of the stand.



- Field of view: $\varnothing 58$ mm.
- Measuring range scale: 54 mm.
- Scale value: 0.1 mm.
- Size: 76 x 105 x 96 mm.
- Weight: 378 g.



Item No.	Description	Price EUR
905.328	Magnifier with scale and stand	

Scale magnifier 30x

- Field of view: \varnothing 7 mm.
- Measuring range standard scale: 5 mm.
- Scale graduation: 0.05 mm
- Dimensions: \varnothing 30 x 19 mm.
- Weight: 16 g.

Scale magnifier also available with illumination.

- Dimensions: \varnothing 43 x 65 x 184 mm.
- Weight (without batteries): 48 g.
- Power supply: 2 batteries 1.5 V.



Item No.	Description	Price EUR
905.285	Scale magnifier in case	
905.287	Magnifier 905.285 with illumination (without batteries)	
905.286	Separate standard scale	
495.111	Battery	

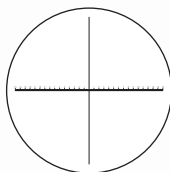
Anastigmatic scale magnifiers 4x and 7x

Magnifier with anastigmatic lens. This is a combined objective which reflects a large, undistorted image with sharp features, very suitable for inspection of (photographic) films.

- Large field of view, 905.216: \varnothing 58 mm,
905.400: \varnothing 41 mm.
- Removable scale with mm graduation.
- Measuring range scale 905.217: 54 mm,
905.401: 36 mm.
- Scale graduation: 0.1 mm.
- Dimensions 905.216: \varnothing 73 x 77 mm,
905.400: \varnothing 55 x 53 mm.
- Weight 905.216: 272 g,
905.400: 103 g.



905.400

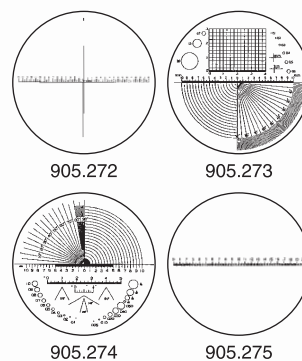


905.216

Item No.	Description	Price EUR
905.216	Scale magnifier 4x	
905.400	Scale magnifier 7x	
905.217	Standard scale for magnifier 905.216	
905.401	Standard scale for magnifier 905.400	

Scale magnifier 15x

- Field of view: \varnothing 20 mm.
- Measuring range standard scale: 14 mm.
- Scale graduation: 0.1 mm.
- Dimensions: \varnothing 35 x 33 mm.
- Weight: 40 g.



Item No.	Description	Price EUR
905.270	Magnifier with standard scale in a case	
905.278	Magnifier 905.270 with illumination (without batteries)	
905.272	Seperate standard scale	
905.273	Scale no. 1	
905.274	Scale no. 2	
905.275	Scale no. 8	
495.111	Battery	

Scale magnifier also available with illumination.

- Size: \varnothing 43 x 65 x 184 mm.
- Weight (without batteries): 72 g.
- Power supply: 2 batteries 1.5 V.



Stand magnifier 30x

This *microscopic* magnifier has a very high magnification despite its small size. In this way, the magnifier can be held with one hand, while you can hold the product to be inspected in the other. Because of the sophisticated optic design, this magnifier is almost comparable to a microscope of the same size, while the field of view is larger. This magnifier is often used in photo technique, for the production of precision instruments and for inspection of precision work.

- Lens aperture: \varnothing 7 mm.
- Dimensions: \varnothing 37 x 20 mm.
- Weight: 10 g.



Stand magnifier also available with illumination.

- Dimensions: \varnothing 43 x 65 x 184 mm.
- Weight (without batteries): 40 g.
- Power supply: 2 batteries 1.5 V.

Item No.	Description	Price EUR
905.222	Stand magnifier $M = 30x$	
905.402	Stand magnifier 905.222 with illumination (without batteries)	
495.111	Battery	