Stemi DR
Stemi DV4
Stereomicroscopes



The Perfection of Essentials

ZEISS

Stemi DR1040

The Stemi DR1040 (Double Lens Revolving Nosepiece) has two fixed standard magnifications - 10x for overviews, 40x for details, reproducibly selectable at flick-of-the-wrist speed.

Stemi DR1663

The Stemi DR1663 comes with fixed magnifications of 16x and 63x for quick selection.
An added advantage: Despite its higher final magnification of 63x, this model provides 92 mm of free working distance - a lot of space for illuminating and manipulation.

Stemi DV4

The patented zoom system of the Stemi DV4 (Double Lens Vario, zoom factor 4) guarantees brilliant, high-resolution images, from an 8x overview to a 32x detail view.
And throughout this zoom range the image remains razor-sharp - an exceptional feature in this price bracket!

Stemi DV4 SPOT

With the fiber-optic cold light illuminator integrated into the microscope body, your object field is always fully illuminated.
The light SPOT incident on to the specimen at a near-right angle ensures almost shadowless lighting with high contrast.



The Perfection Of



Essentials



The innovative character of this new series of microscopes, underlined by its color and its compact, unconventional styling, is also shown up by its attractive price - a result of advanced manufacturing technologies.

Sound and sturdy design, dead-easy operation of all essential controls, no compromise of image definition and brilliance - this is, in a nutshell, the definition of the new series of small stereomicroscopes made by Carl Zeiss.



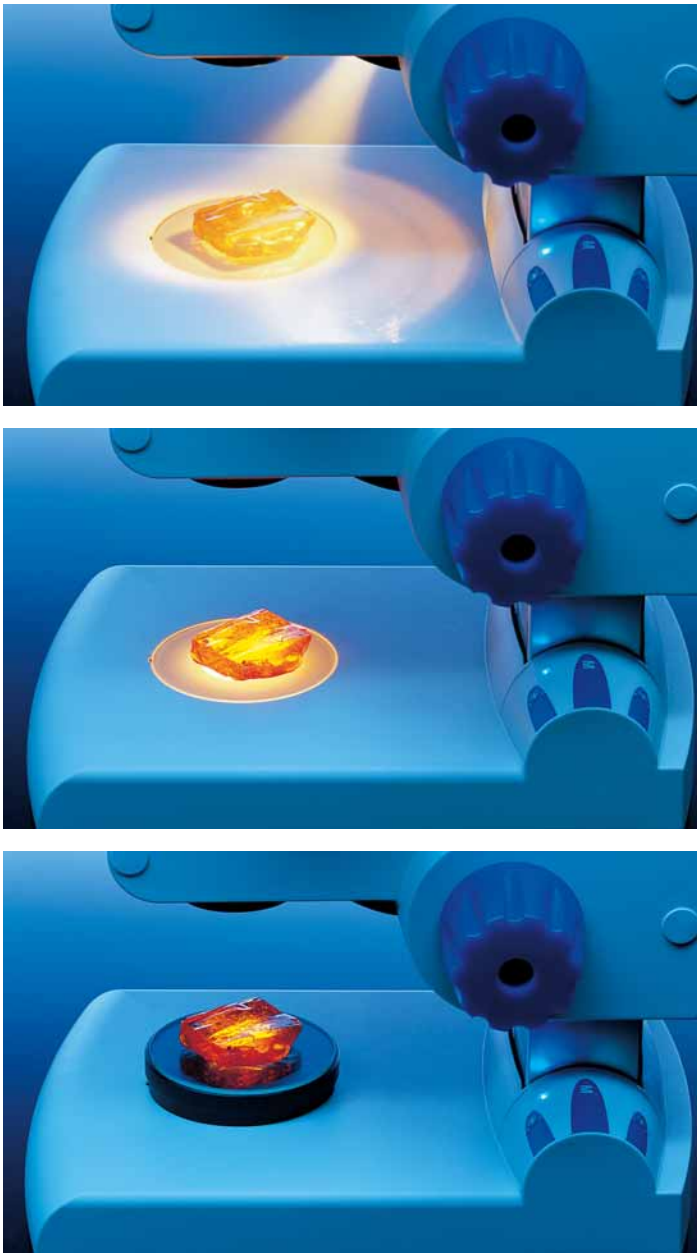
Model C Stand

Ingenious Light Control For Outstanding Results

As good results in microscopy depend on efficient illumination, the Model C Stand has a high-intensity illuminator with three illumination modes as standard features.
You can select between
– brightfield reflected light,
– brightfield transmitted light, and
– mixed light.

In addition, there is an option for
– darkfield transmitted light.

So the whole spectrum of illumination modes common in stereomicroscopy is at your disposal. To choose between them during observation, all you need to do is press a button. Pushbutton-controlled electronic brightness settings – continuous and separate for each illumination mode (!) – allow fast adaptation to varied specimens.



Fast change between illumination modes - at the touch of a button.

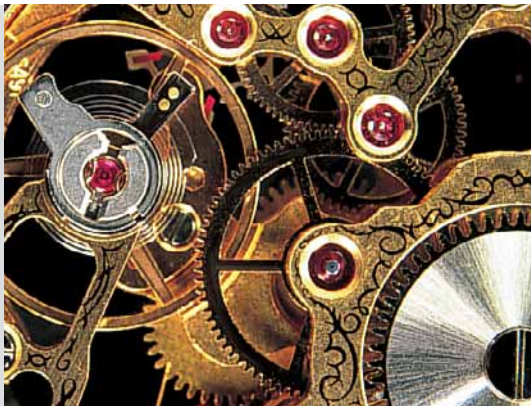


An excellent choice

Ant and amber are brightened up equally.



Brightfield reflected light:
Standard illumination for observing opaque specimens.

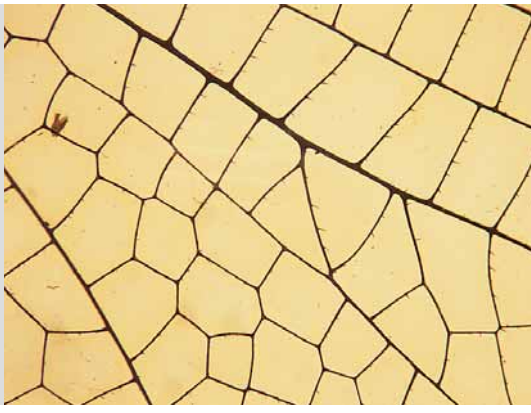


Movement of a watch

The ant appears as an almost opaque shadow against a bright ground. Fine contour details become visible.



Brightfield transmitted light:
Another standard - for viewing transparent specimens.

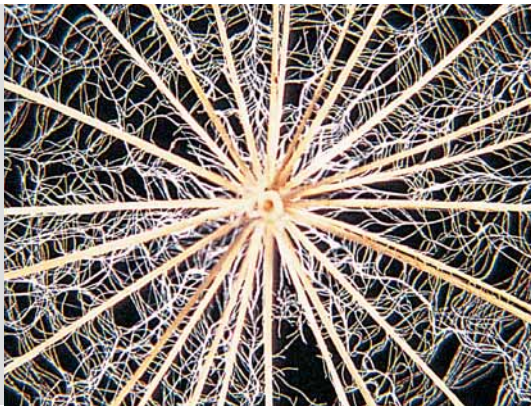


Wing of a dragonfly

Against a dark background, the ant's contours display their colors. Even finest structures are resolved. Adding some epi-illumination emphasizes the body.



Mixed light:
Standard, too. Combine reflected and transmitted light, or include the optional darkfield transmitted-light accessory to achieve special effects.



Goatsbeard (Tragopogon pratensis)

Ant embedded in Baltic amber, about 40 million years old.

Stereomicroscopes
Stemi DR
Stemi DV4

Camera specific T2 adapter

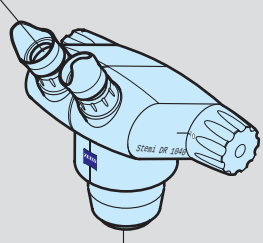
000000-1096-523
Eyepiece adapter M 37 / M 52x0.75 -
DV4 for digitale compact camera

000000-1065-967
Eyepiece adapter 2.5x T2
for SLR-cameras

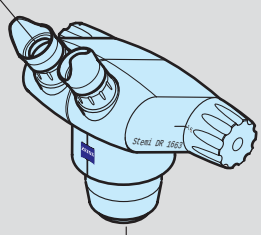
000000-1124-555
Reticle mount, empty
DV4 / DR

000000-1072-893
Eyepiece adapter
0.8x, dia.=30 mm
for plug-in camera

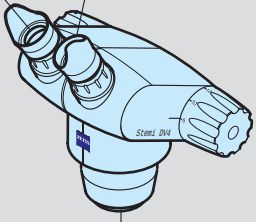
000000-1065-968
Video eyepiece adapter C 0.8x



000000-1065-971
Microscope body
Stemi DR 1040



000000-1065-972
Microscope body
Stemi DR 1663



000000-1036-143
Microscope body
Stemi DV4

455052-9004-000
Protection glass



Mobile equipment (without fig.)
000000-1065-970
Rechargeable
battery package C
000000-1096-739
Mobile stand C

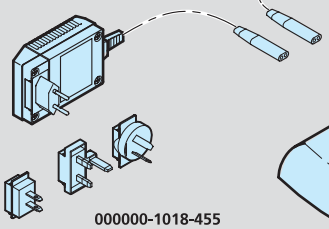
000000-0410-601
Adapter cable C, 12 V (D)

455027-0000-000
Front lens system 0.63x

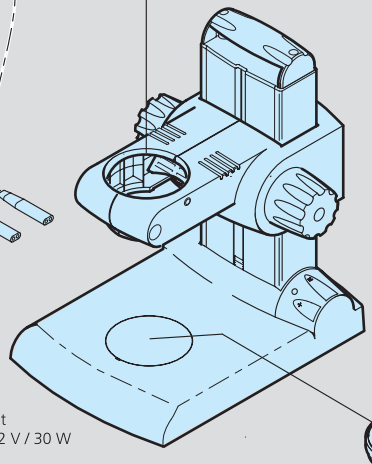


000000-1098-424
Front lens system 1.25x





000000-1018-455
Stand C with stemi mount
and plug-in power unit 12 V / 30 W



000000-1096-714
Front lens system 1.6x

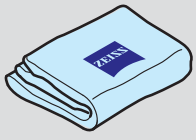


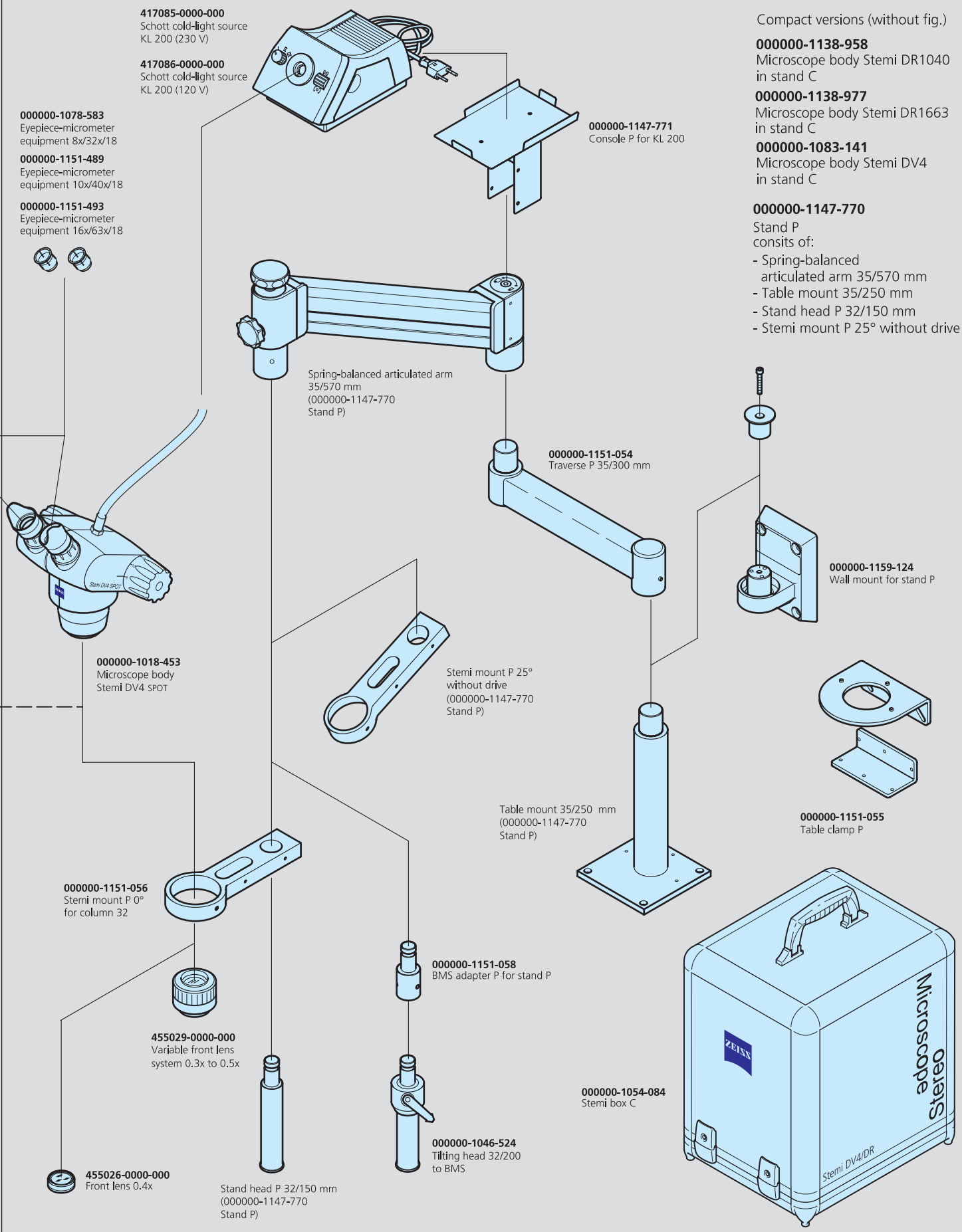
000000-1065-969
Transmitted-light DF accessory
for stand C (DL-DF/C)

455028-0000-000
Front lens system 2.0x



459300-0000-000
Dust cover K
(without camera)
459325-0000-000
Dust cover K
(with camera)





Compact versions (without fig.)

000000-1138-958
Microscope body Stemi DR1040
in stand C

000000-1138-977
Microscope body Stemi DR1663
in stand C

000000-1083-141
Microscope body Stemi DV4
in stand C

000000-1147-770
Stand P
consits of:
- Spring-balanced
  articulated arm 35/570 mm
- Table mount 35/250 mm
- Stand head P 32/150 mm
- Stemi mount P 25° without drive

The Base For Your Modular System

Flexibility for many applications:

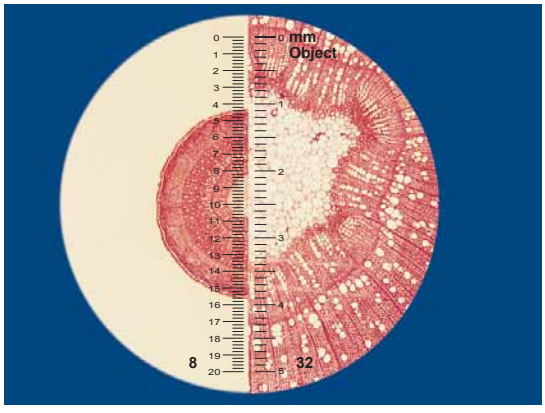
Nothing is impossible. The modular Stemi system with its comprehensive range of stands, mounting brackets, stages and illuminators provides you with efficient solutions for your application.



Stemi DV4 with Model N Stand, Universal Reflected Light Illuminator and a 150W cold light source (Schott KL 1500 LCD)

Measurement at a glance:

A quick and easy result with the eyepiece micrometer – simply read the values from a scale, either at overview or detail magnification.



8x/32x/18 eyepiece micrometer of the Stemi DV4

Cross-section through a plant stalk

Digital documentation:

Whichever medium you choose to record your microscopy images, Carl Zeiss has the right eyepiece adapter to furnish your Stemi DR and Stemi DV4 stereomicroscopes with

– a digital camera,
– a 35mm SLR camera, or
– a video camera with C thread mount.



Sony HandyCam on the Stemi DV4

These are just three examples that illustrate the smooth flexibility with which the Stemi DR and Stemi DV4 stereomicroscopes adapt to your growing requirements.

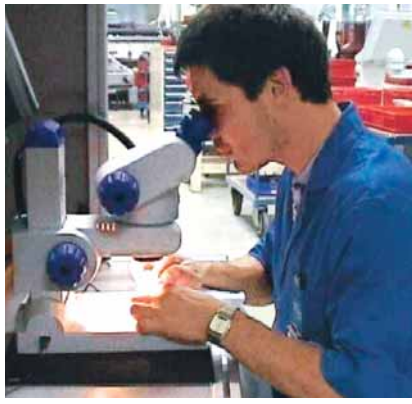
Classroom and training.
Research and routine.
Quality inspection in industry.
Original equipment manufacturers.

Thanks to brilliant images and dead-easy control of illuminating methods, microscopy lessons become a pleasure to students and teachers alike.
The basic techniques of the (stereo)microscope can easily be grasped within a short time.



Stemi DR1040 Stereomicroscope in classrooms and vocational training

High-quality optics and modern light control in a compact, efficient unit are decisive criteria of the price/performance ratio of a microscope in industry. Special supplementary lenses and measurement facilities come in handy for use in industrial manufacturing and quality inspection.



Stemi DR1663 Stereomicroscope in quality inspection

Bright, high-contrast images, together with the easy change (or mixing) of illuminating techniques, permit fast and precise diagnoses in biological and medical laboratories.



Stemi DV4 Stereomicroscope in a biological research lab

The stereomicroscope is used increasingly for observations on machines or of motions and manipulations in biology. Sometimes, the microscope has to be taken to the object.
No problem for the Stemi DV4 SPOT - the light beam is always aimed at the specimen.



Stemi DV4 SPOT Stereomicroscope in a biological research lab

Specifications

Stemi DR 1040

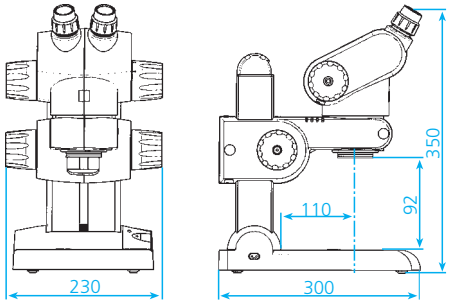
Eyepiece	W 10x/20 Br. foc (high-eyepoint, focusing)							
Supplementary lenses	0.3x	0.4x	O.3x...0.5x	0.63x	none	1.25x	1.6x	2x
Working distance (mm)	285	210	234...91	130	92	60	48	31
Magnification	3.0x/12x	4.0x/16x	3.0x...5.0x / 12x...20	6.3x/25.2x	10.0x/40x	12.5x/50x	16x/64x	20x/80x
Object field (mm)	66.7/16.7	50.0/12.5	66,7...40.0 / 16.7...10.0	31.8/7.9	20.0/5.0	16.0/4.0	12.5/3.1	10.0/2.5

Stemi DR 1663

Eyepiece	W 10x/20 Br. foc (high-eyepoint, focusing)							
Supplementary lenses	0.3x	0.4x	O.3x...0.5x	0.63x	none	1.25x	1.6x	2x
Working distance (mm)	285	210	234...91	130	92	60	48	31
Magnification	4.8x/18.9x	6.4x/25.2x	4.8x...8.0x / 18.9x...31.5	10.1x/39.7x	16x/63x	20x/78.8x	25.6x/100.8x	32.x/126.x
Object field (mm)	41.7/10.6	31.3/7.9	41.7...25.0 / 10.6...6.3	19.8/5.0	12.5/3.2	10.0/2.5	7.8/2.0	6.3/1.6

Stemi DV4 und Stemi DV4 SPOT

Eyepiece	W 10x/20 Br. foc (high-eyepoint, focusing)							
Supplementary lenses	0.3x	0.4x	O.3x...0.5x	0.63x	none	1.25x	1.6x	2x
Working distance (mm)	285	210	234...91	130	92	60	48	31
Magnification	2.4x...9.6x	3.2x...12.8x	2.4x...16.0x	5x...20.2x	8x...32x	10x...40x	12.8x...51.2x	16x...64x
Object field (mm)	83.3...20.8	62.5..15.6	83.3...12.5	40.0...9.9	25...6.3	20.0...5.0	15.6...3.9	12.5...3.1



Weight: 5 kg

Carl Zeiss
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