

**Stemi DR**  
**Stemi DV4**  
Stereomicroscopes



**The Perfection of Essentials**



### **Stemi DR1040**

The Stemi DR1040 (Double Lens Revolving Nose-piece) 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.

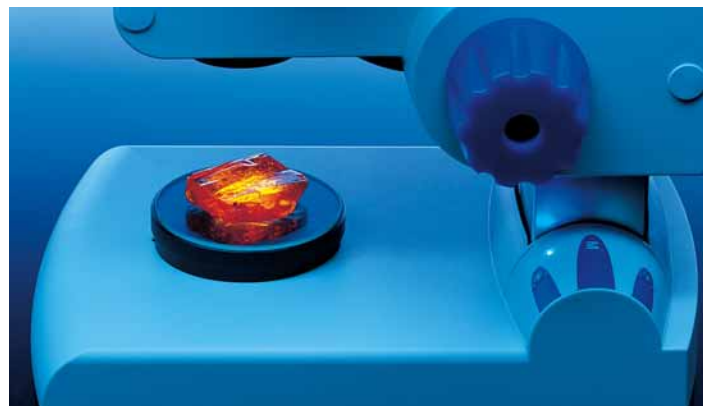
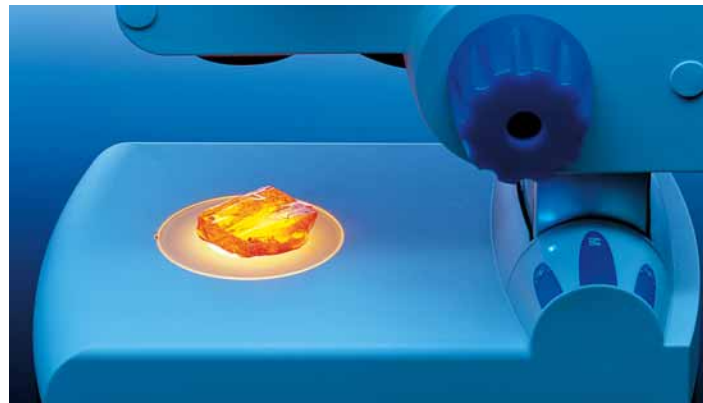
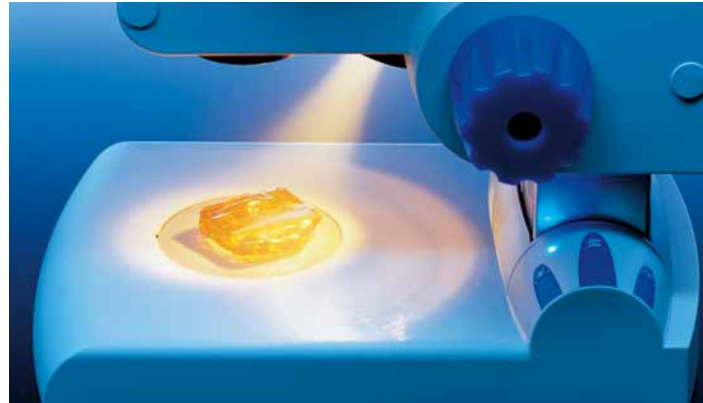
You can select between

- 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.*

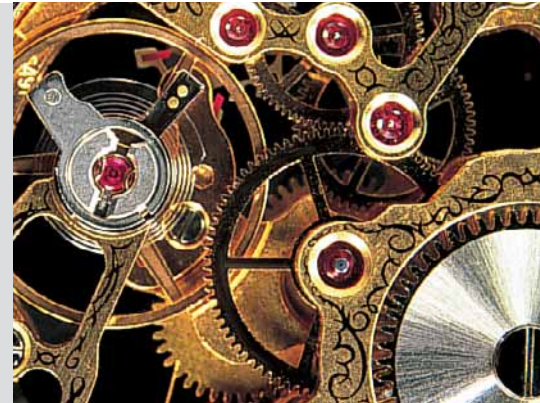


An excellent choice

Ant and amber are brightened up equally.



Brightfield reflected light: Standard illumination for observing opaque specimens.

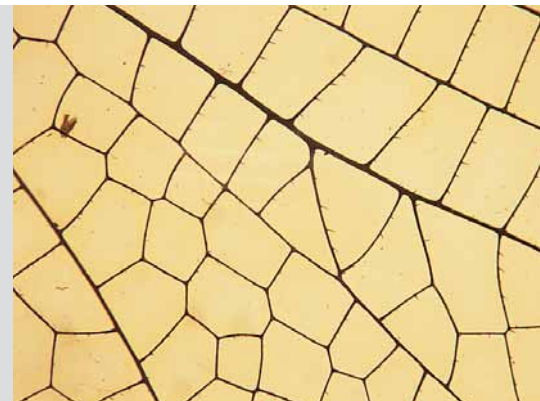


Movement of a watch

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.

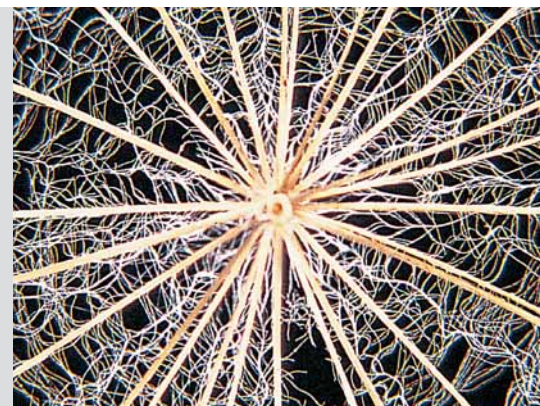


Wing of a dragonfly

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

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

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

**000000-1072-893**  
Eyepiece adapter  
0.8x, dia.  $\approx$  30 mm  
for plug-in camera

Camera specific T2 adapter

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

**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

**455027-0000-000**  
Front lens system 0.63x

**000000-1098-424**  
Front lens system 1.25x

**000000-1096-714**  
Front lens system 1.6x

**455028-0000-000**  
Front lens system 2.0x

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)

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

**459300-0000-000**  
Dust cover K  
(without camera)

**459325-0000-000**  
Dust cover K  
(with camera)

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

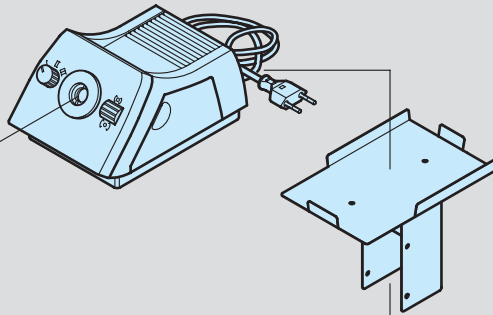
**417085-0000-000**  
Schott cold-light source  
KL 200 (230 V)

**417086-0000-000**  
Schott cold-light source  
KL 200 (120 V)

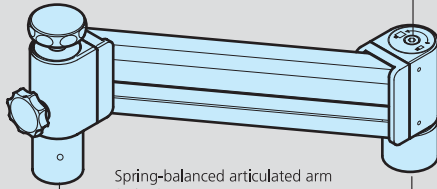
**000000-1078-583**  
Eyepiece-micrometer  
equipment 8x/32x/18

**000000-1151-489**  
Eyepiece-micrometer  
equipment 10x/40x/18

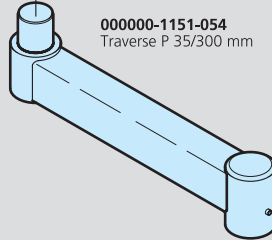
**000000-1151-493**  
Eyepiece-micrometer  
equipment 16x/63x/18



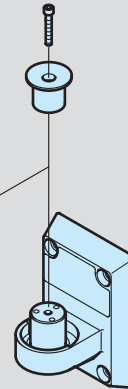
**000000-1147-771**  
Console P for KL 200



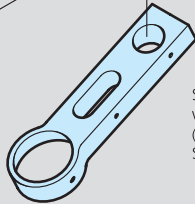
Spring-balanced articulated arm  
35/570 mm  
(000000-1147-770  
Stand P)



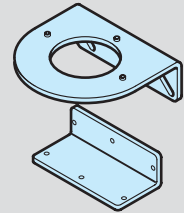
**000000-1151-054**  
Traverse P 35/300 mm



**000000-1159-124**  
Wall mount for stand P



Stemi mount P 25°  
without drive  
(000000-1147-770  
Stand P)



**000000-1151-055**  
Table clamp P

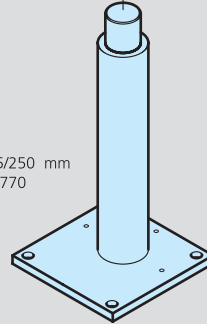
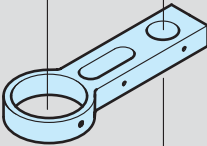


Table mount 35/250 mm  
(000000-1147-770  
Stand P)



**000000-1151-056**  
Stemi mount P 0°  
for column 32



**455029-0000-000**  
Variable front lens  
system 0.3x to 0.5x



**000000-1151-058**  
BMS adapter P for stand P



**000000-1046-524**  
Tilting head 32/200  
to BMS

**455026-0000-000**  
Front lens 0.4x

Stand head P 32/150 mm  
(000000-1147-770  
Stand P)

Compact versions (without fig.)

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

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

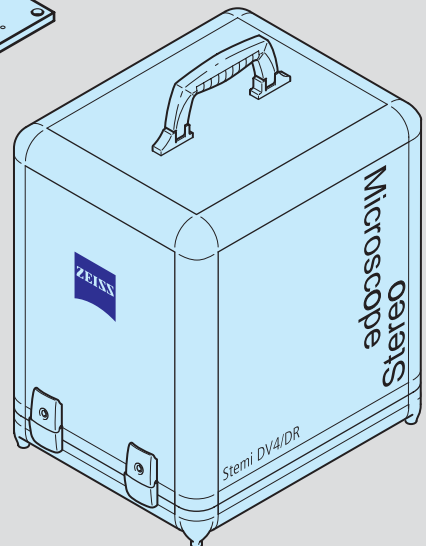
**000000-1083-141**  
Microscope body Stemi DV4  
in stand C

**000000-1147-770**

Stand P

consists 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



**000000-1054-084**  
Stemi box C

# 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)*



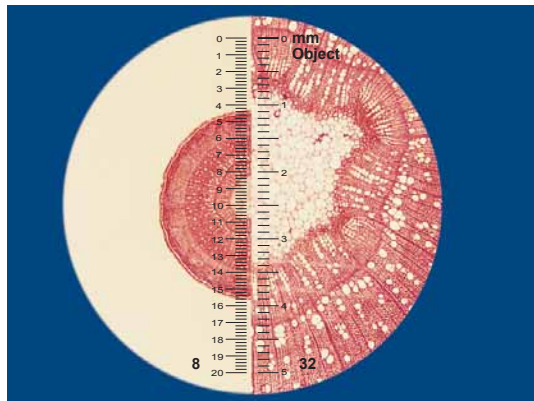
## Measurement

### 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.

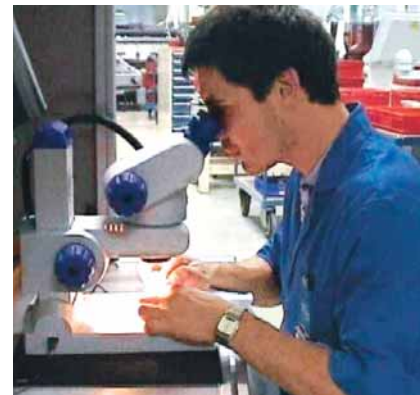
The basic techniques of the (stereo)microscope can easily be grasped within a short time.

*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

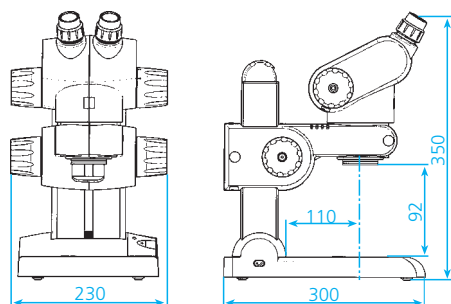
Eyepiece	W 10x/20 Br. foc (high-eyepoint, focusing)							
Supplementary lenses	0.3x	0.4x	0.3x...0.5x	0.63x	none	1.25x	1.6x	2x
Working distance (mm)	285	210	234...91	130	92	60	48	31
Magnification	3.0x/12x	4.0x/16x	3.0x...5.0x / 12x...20	6.3x/25.2x	10.0x/40x	12.5x/50x	16x/64x	20x/80x
Object field (mm)	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	0.3x...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	0.3x...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 Light Microscopy

P.O.B. 40 41  
37030 Göttingen  
GERMANY  
Phone: ++49 5 51 50 60 660  
Telefax: ++49 5 51 50 60 464  
E-mail: [micro@zeiss.de](mailto:micro@zeiss.de)

[www.zeiss.de/micro](http://www.zeiss.de/micro)

# NOTES ON THE PDF FILE

## VIEW

When paging through the PDF file, as a rule you will see one page on your screen at a time.

If you wish to see two facing pages of a catalog at a time, please activate the "Continuous - Facing Pages" item in the "View" menu of Acrobat Reader.

## PRINTING

The pages of the PDF file are sized 210 x 277 mm.

Please mind that your printer may not print the page area from edge to edge.

To avoid picture cropping, please change the print size. We recommend 95%.

The area to be printed is framed by black lines on every page of this PDF file.