

# STEREOMICROSCOPES MODULAR SYSTEM

PROFESSIONAL MEASURING



## KERN Pictograms

 <b>360° rotatable microscope head</b>	 <b>Fluorescence illumination for compound microscopes</b> With 100 W mercury lamp and filter	 <b>Integrated scale</b> In the eyepiece	 <b>Battery operation</b> Ready for battery operation. The battery type is specified for each device.
 <b>Monocular Microscope</b> For the inspection with one eye	 <b>Fluorescence illumination for compound microscopes</b> With 3 W LED illumination and filter	 <b>SD card</b> For data storage	 <b>Battery operation rechargeable</b> Prepared for a rechargeable battery operation
 <b>Binocular Microscope</b> For the inspection with both eyes	 <b>Phase contrast unit</b> For a higher contrast	 <b>USB 2.0 interface</b> For data transmission	 <b>Plug-in power supply</b> 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
 <b>Trinocular Microscope</b> For the inspection with both eyes and the additional option for the connection of a camera	 <b>Darkfield condenser/unit</b> For a higher contrast due to indirect illumination	 <b>USB 3.0 interface</b> For data transmission	 <b>Integrated power supply unit</b> Integrated in microscope. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 <b>Abbe Condenser</b> With high numerical aperture for the concentration and the focusing of light	 <b>Polarising unit</b> To polarise the light	 <b>WIFI data interface:</b> For transmitting of the picture to a mobile display device	 <b>Package shipment</b> The time required to manufacture the product internally is shown in days in the pictogram.
 <b>Halogen illumination</b> For pictures bright and rich in contrast	 <b>Infinity system</b> Infinity corrected optical system	 <b>HDMI digital camera</b> For direct transmitting of the picture to a display device	 <b>Pallet shipment</b> The time required to manufacture the product internally is shown in days in the pictogram.
 <b>LED illumination</b> Cold, energy-saving and especially long-life illumination	 <b>Zoom magnification</b> For stereomicroscopes	 <b>PC software</b> To transfer the measurements from the device to a PC.	 <b>Automatic temperature compensation</b> For measurements between 10 °C and 30 °C
 <b>Incident illumination</b> For non-transparent objects	 <b>Auto-focus</b> For automatic control of the focus level	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989+A1:1999+A2:2013	
 <b>Transmitting illumination</b> For transparent objects	 <b>Parallel optical system</b> For stereomicroscopes, enables fatigue-proof working		
 <b>Fluorescence illumination</b> For stereomicroscopes			

## Abbreviations

<b>C-Mount</b>	Adapter for the connection of a camera to a trinocular microscope	<b>SLR camera</b>	Single-Lens Reflex camera
<b>FPS</b>	Frames per second	<b>SWF</b>	Super Wide Field (Field number at least $\varnothing$ 23 mm for 10 $\times$ eyepiece)
<b>H(S)WF</b>	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)	<b>W.D.</b>	Working Distance
<b>LWD</b>	Long Working Distance	<b>WF</b>	Wide Field (Field number up to $\varnothing$ 22 mm for 10 $\times$ eyepiece)
<b>N.A.</b>	Numerical Aperture		

## KERN Models A – Z

OAB-L _____	110-111
OBE-12 · OBE-13 _____	16
OBE-S _____	67
OBL-12 · OBL-13 _____	16
OBL-14 · OBL-15 _____	18
OBL-S · OBN-S _____	68
OBN-13 · OBN-15 _____	20
OBN-14 _____	22
OBS-1 _____	10
OBT-1 _____	12
OCM-1 _____	24
ODC-2 _____	89
ODC-82 · ODC-83 · ODC-84 _____	86
ODC-85 · ODC-86 _____	87
ODC-87 · ODC-88 · ODC-89 _____	88
OIV-2 _____	64
OIV-3 _____	63
OIV-6 _____	65
OKM-1 _____	27
OKO-1 _____	29
OLM-1 _____	31
OPO-1 _____	34
ORA _____	94-100
ORL-B _____	107
ORM _____	101-106
OSE-4 · OZL-9 · OZM-9 _____	73
OSE-42 _____	38
OSF-4G _____	40
OXM-9 _____	90
OZB-H _____	82
OZB-IR _____	84
OZB-M _____	75-79
OZB-UE _____	81
OZB-UP _____	80
OZG-4 _____	58
OZL-44 _____	42
OZL-45 _____	48
OZL-45R _____	50
OZL-46 _____	44
OZL-47 _____	46
OZL-S _____	69
OZM-5 _____	52
OZM-9 _____	72
OZM-S · OZP-S _____	70
OZP-5 _____	54
OZS-5 _____	56
OXM-9 (Software OXM 901 · OXM 902) _____	90

## KERN Customer Consultants

With questions about our products and services, we will be happy to advise you:

UK, IE, IS, FR, Maghreb, BE, LUX



Maren Möwert  
Tel. +49 7433 9933 - 132  
Mobil +49 151 46143240  
maren.moewert@kern-sohn.com

Technical sales KERN Optics



Ralf Gutbrod  
Tel. +49 7433 9933-306  
optics@kern-sohn.com

DK, SE, FI, NO, PL, LV, LT, EE



Mark Hauder  
Tel. +49 7433 9933 - 310  
Mobil +49 160 3378426  
mark.hauder@kern-sohn.com

Category Manager KERN Optics



Nicole Lebherz  
Tel. +49 7433 9933-201  
optics@kern-sohn.com

GR, CY, BG, HU, RO, SK, CZ, AL,  
Ex-Yugoslavia, GUS



Ariana Sevcenco  
Tel. +49 7433 9933 - 203  
Mobil +49 151 72434692  
ariana.sevcenco@kern-sohn.com

Sales & Marketing Manager



Stephan Ade  
Tel. +49 7433 9933-121  
Mobil +49 171 3060086  
ade@kern-sohn.com

North America, Near- & Middle East,  
Africa, Asia, Oceania, TR



Corinna Matthes  
Tel. +49 7433 9933 - 215  
Mobil +49 151 44568364  
corinna.matthes@kern-sohn.com

## KERN Hotlines

Technical questions about our products?  
You will find assistance here quickly: **+49 7433 9933- ...**



### Service Hotline

→ 199

for general technical questions about your KERN product

### Optical Devices

→ 777

for all technical questions concerning our microscopes, microscope cameras, refractometers, etc.

### Laboratory and Analytical Balances

→ 444

for all technical questions concerning our high quality precision balances, analytical balances (especially with electromagnetic force-compensated measuring systems, tuning fork and high application density)

### SAUTER Measuring Instruments

→ 555

for all technical questions concerning our SAUTER measuring instruments, test benches, force measuring accessories (clamps etc.), SAUTER software

### System Solutions Industry 4.0

→ 200

for all technical questions concerning the interlocking of the latest information and communication technology with our scales, load cells and measuring devices as well as questions about KERN software

### Calibration and Verification Service

→ 196

for any questions concerning our calibration and verification service



Head of the microscope series OZL-46  
(OZL 461, 462)



Head of the microscope series OZM-5  
(OZM 546, 547)



Head of the microscope series OZP-5  
(OZP 551, 552)



Head of the microscope series OZO-5  
(OZO 556, 557)

## Individuality, variety and flexible working through our modular construction system ▶ Stereo microscope heads

### Features

- To enable the highest level of flexibility for your special requirements and applications, we have a large selection of stereo microscope heads, universal stands and external illumination units, which are easy to combine
- Through the different properties of the stereo microscope heads, as well as the flexibility of the universal stands and the professional fixing of our brackets, we can configure your ideal microscope to suit your needs

- There are various microscope heads available from our product range for this purpose, both as binocular or trinocular versions
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the corresponding model outfit lists on the following pages

### Technical data

- Optical system: Greenough optics
- Further technical data and model features is located in the tables below on the following pages
  - OZL-46: p. 76
  - OZM-5: p. 77
  - OZP-5: p. 78
  - OZO-5: p. 79

Model	Tube	Tube angle	Eyepieces (included)	Interpupillary distance	Objective	Magnification ratio	Diopter adjustment	Price excl. of VAT ex works €
<b>KERN</b>					Zoom	Zoom		
<b>OZL 516*</b>	Binocular	45°	HSWF 10×/∅ 23 mm	52–76 mm	2×/4×	-	One-sided (-6/6)	<b>190,-</b>
<b>OZL 461</b>	Binocular	45°	HWF 10×/∅ 20 mm	55–75 mm	0,7× – 4,5×	6,4:1	Both-sided (-5/5)	<b>470,-</b>
<b>OZL 462</b>	Trinocular	45°	HWF 10×/∅ 20 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-5/5)	<b>540,-</b>
<b>OZM 546</b>	Binocular	45°	HSWF 10×/∅ 23 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-6/6)	<b>930,-</b>
<b>OZM 547</b>	Trinocular	45°	HSWF 10×/∅ 23 mm	52–76 mm	0,7× – 4,5×	6,4:1	Both-sided (-6/6)	<b>1280,-</b>
<b>OZP 551</b>	Binocular	35°	HSWF 10×/∅ 23 mm	52–76 mm	0,6× – 5,5×	9,2:1	Both-sided (-6/6)	<b>1090,-</b>
<b>OZP 552</b>	Trinocular	35°	HSWF 10×/∅ 23 mm	52–76 mm	0,6× – 5,5×	9,2:1	Both-sided (-6/6)	<b>1450,-</b>
<b>OZO 556*</b>	Binocular	35°	HSWF 10×/∅ 23 mm	52–76 mm	0,8× – 7×	8,8:1	Both-sided (-6/6)	<b>1610,-</b>

■ \*ONLY WHILE STOCKS LAST

Fittings and accessories for the heads for microscope OSF-516

**Eyepiece**

Specifications - Objectives

	Magnification	1×	2×	3×	4×
<b>HSWF 10×</b>	Total magnification	10×	20×	30×	40×
	Field of view mm	∅ 23	∅ 11,5	∅ 7,67	∅ 5,75
<b>SWF 15×</b>	Total magnification	15×	30×	45×	60×
	Field of view mm	∅ 17	∅ 8,5	∅ 5,67	∅ 4,25
<b>SWF 20×</b>	Total magnification	20×	40×	60×	80×
	Field of view mm	∅ 14	∅ 7	∅ 4,67	∅ 3,5
<b>SWF 30×</b>	Total magnification	30×	60×	90×	120×
	Field of view mm	∅ 9	∅ 4,5	∅ 3	∅ 2,25
<b>Working distance</b>		105 mm	105 mm	105 mm	105 mm

**Model outfit**

**Model KERN**

**Order number**

Price/piece  
excl. of VAT  
ex works  
€

		<b>OSF 516</b>			
<b>Eyepieces (30,0 mm)</b>	HSWF 10×/∅ 23 mm	✓✓		OZB-A5503	<b>70,-</b>
	SWF 15×/∅ 17 mm	○ ○		OZB-A5504	<b>75,-</b>
	SWF 20×/∅ 14 mm	○ ○		OZB-A5505	<b>85,-</b>
	SWF 30×/∅ 9 mm	○ ○		OZB-A5506	<b>120,-</b>
	HSWF 10×/∅ 23 mm (reticule 0,1 mm)	○		OZB-A5512	<b>125,-</b>
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○		OZB-A5513	<b>140,-</b>
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○		OZB-A5514	<b>140,-</b>

✓ = Included with delivery

○ = Option

Fittings and accessories for the heads for the OZL-46 microscope range (OZL 461, OZL 462)

**Eyepiece**

Specifications - Objectives

	Magnification	Standard	Auxiliary objectives			
		1,0×	0,5×	0,75×	1,5×	2,0×
<b>HSWF 10×</b>	Total magnification	7× - 45×	3,5× - 22,5×	5,3× - 33,8×	10,5× - 67,5×	14× - 90×
	Field of view mm	∅ 28,6 - 4,4	∅ 57,1 - 8,9	∅ 38,1 - 5,9	∅ 19 - 3	∅ 14,3 - 2,2
<b>HWF 15×</b>	Total magnification	10,5× - 67,5×	5,3× - 33,8×	7,9× - 50,6×	15,5× - 101,3×	21× - 135×
	Field of view mm	∅ 21,4 - 3,3	∅ 42,9 - 6,7	∅ 28,5 - 4,4	∅ 14,3 - 2,2	∅ 10,7 - 1,7
<b>HSWF 20×</b>	Total magnification	14× - 90×	7× - 45×	10,5× - 67,5×	21× - 135×	28× - 180×
	Field of view mm	∅ 14,3 - 2,2	∅ 28,6 - 4,4	∅ 19,1 - 2,9	∅ 9,5 - 1,5	∅ 7,1 - 1,1
<b>HWF 25×</b>	Total magnification	17,5× - 122,5×	8,8× - 56,3×	13,1× - 91,9×	26,3× - 168,8×	35× - 225×
	Field of view mm	∅ 12,9 - 2,0	∅ 25,7 - 4,0	∅ 17,2 - 2,7	∅ 8,6 - 1,3	∅ 6,4 - 1,0
<b>Working distance</b>		105 mm	177 mm	120 mm	47 mm	26 mm

**Model outfit**

**Model KERN**

**Order number**

Price/piece  
excl. of VAT  
ex works  
€

		<b>OZL 461</b>	<b>OZL 462</b>		
<b>Eyepieces (30,0 mm)</b>	HWF 10×/∅ 20 mm	✓✓	✓✓	OZB-A4631	<b>45,-</b>
	HSWF 15×/∅ 15 mm	○ ○	○ ○	OZB-A4632	<b>55,-</b>
	HWF 20×/∅ 10 mm	○ ○	○ ○	OZB-A4633	<b>55,-</b>
	HSWF 25×/∅ 9 mm	○ ○	○ ○	OZB-A4634	<b>60,-</b>
<b>Auxiliary objectives</b>	0,5×	○	○	OZB-A4641	<b>90,-</b>
	0,75×	○	○	OZB-A4644	<b>90,-</b>
	1,5×	○	○	OZB-A4642	<b>90,-</b>
	2,0×	○	○	OZB-A4643	<b>90,-</b>
<b>C-Mount</b>	1× (focus adjustable)		✓	OZB-A4809	<b>55,-</b>
	0,3× (focus adjustable)		○	OZB-A4810	<b>95,-</b>
	0,5× (focus adjustable)		○	OZB-A4811	<b>105,-</b>

✓ = Included with delivery

○ = Option

Eyepiece	Specifications - Objectives						
	Magnification	Standard 1,0×	Auxiliary objectives				
			0,37×	0,5×	0,7×	1,5×	2×
HSWF 10×	Total magnification	7× - 45×	2,59× - 16,65×	3,5× - 22,5×	4,9× - 31,5×	10,5× - 67,5×	14× - 90×
	Field of view mm	∅ 32,8 - 5,1	∅ 88,8 - 13,8	∅ 65,7 - 10,2	∅ 46,9 - 7,3	∅ 21,9 - 3,4	∅ 16,4 - 2,6
SWF 15×	Total magnification	10,5× - 67,5×	3,89× - 25×	5,3× - 33,8×	7,4× - 47,2×	15,8× - 101,3×	21× - 135×
	Field of view mm	∅ 24,3 - 3,8	∅ 65,6 - 10,2	∅ 48,6 - 7,6	∅ 34,7 - 5,4	∅ 16,2 - 2,5	∅ 12,1 - 1,9
SWF 20×	Total magnification	14× - 90×	5,18× - 33,3×	7× - 45×	9,8× - 63×	21× - 135×	28× - 180×
	Field of view mm	∅ 20 - 3,1	∅ 54,1 - 8,4	∅ 40 - 6,2	∅ 28,6 - 4,4	∅ 13,3 - 2,1	∅ 10 - 1,6
SWF 30×	Total magnification	21× - 135×	7,77× - 50×	10,5× - 67,5×	14,7× - 94,5×	31,5× - 202,5×	42× - 270×
	Field of view mm	∅ 12,9 - 2	∅ 34,7 - 5,4	∅ 25,7 - 4	∅ 18,4 - 2,9	∅ 8,6 - 1,6	∅ 6,4 - 1
Working distance		110 mm	275 mm	195 mm	145 mm	50 mm	35 mm

Model outfit	Model KERN		Order number	Price/piece excl. of VAT ex works €	
	OZM 546	OZM 547			
Eyepieces (30,0 mm)	HSWF 10×/∅ 23 mm	✓✓	✓✓	OZB-A5503	70,-
	SWF 15×/∅ 17 mm	○ ○	○ ○	OZB-A5504	75,-
	SWF 20×/∅ 14 mm	○ ○	○ ○	OZB-A5505	85,-
	SWF 30×/∅ 9 mm	○ ○	○ ○	OZB-A5506	120,-
	HSWF 10×/∅ 23 mm (reticule 0,1 mm)	○	○	OZB-A5512	125,-
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○	○	OZB-A5513	140,-
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○	○	OZB-A5514	140,-
Achromatic auxiliary objectives	0,37× only in combination with a universal stand	○	○	OZB-A5611	170,-
	0,5×	○	○	OZB-A5612	160,-
	0,7×	○	○	OZB-A5613	160,-
	1,5×	○	○	OZB-A5615	160,-
	2,0×	○	○	OZB-A5616	165,-
	Soldering protection lens	○	○	OZB-A5614	50,-
C-Mount	0,3× (focus adjustable)		○	OZB-A5701	140,-
	0,5× (focus adjustable)		○	OZB-A5702	140,-
	1,0× (focus adjustable)		○	OZB-A5703	105,-
	1,0× (with micrometer) only in combination with OZB-A5703		○	OZB-A5704	295,-
	For SLR cameras (Nikon)		○	OZB-A5706	295,-
	For SLR cameras (Olympus)		○	OZB-A5707	295,-
	For SLR cameras (Canon)		○	OZB-A5708	295,-

✓ = Included with delivery      ○ = Option

## Functionality of our Stereomicroscope Modular System

### Step 1:

Select a microscope head (from page 78), a universal stand (page 80), a bracket (page 82) and a ring illumination unit (page 84), in order to generate a customised model.



## Fittings and accessories for the heads for the OZP-5 microscope range (OZP 551, OZP 552)

Eyepiece	Specifications - Objectives						
	Magnification	Standard 1,0×	Auxiliary objectives				
			0,37×	0,5×	0,7×	1,5×	2×
HSWF 10×	Total magnification	6× - 55×	2,96× - 25,9×	3× - 27,5×	4,2× - 38,5×	9× - 82,5×	12× - 110×
	Field of view mm	∅ 38,3 - 4,2	∅ 74,3 - 8,5	∅ 76,7 - 8,4	∅ 54,8 - 6	∅ 25,6 - 2,8	∅ 19,2 - 2,1
SWF 15×	Total magnification	9× - 82,5×	4,44× - 38,9×	4,5× - 41,25×	6,3× - 57,75×	13,5× - 123,75×	18× - 165×
	Field of view mm	∅ 28,3 - 3,1	∅ 57,4 - 6,6	∅ 56,7 - 6,2	∅ 40,5 - 4,4	∅ 18,9 - 2,1	∅ 14,2 - 1,5
SWF 20×	Total magnification	12× - 110×	5,92× - 51,8×	6× - 55×	8,4× - 77×	18× - 165×	24× - 220×
	Field of view mm	∅ 23,3 - 2,5	∅ 47,3 - 5,4	∅ 46,7 - 5,1	∅ 33,3 - 3,6	∅ 15,6 - 1,7	∅ 11,7 - 1,3
SWF 30×	Total magnification	18× - 165×	8,88× - 77,7×	9× - 82,5×	12,6× - 115,5×	27× - 247,5×	36× - 330×
	Field of view mm	∅ 15 - 1,6	∅ 30,4 - 3,5	∅ 30 - 3,3	∅ 21,4 - 2,3	∅ 10 - 1,1	∅ 7,5 - 0,8
<b>Working distance</b>		108 mm	275 mm	195 mm	145 mm	50 mm	35 mm

Model outfit	Model KERN		Order number	Price/piece excl. of VAT ex works €	
	OZP 551	OZP 552			
Eyepieces (30,0 mm)	HSWF 10×/∅ 23 mm	✓✓	✓✓	OZB-A5503	70,-
	SWF 15×/∅ 17 mm	○	○	OZB-A5504	75,-
	SWF 20×/∅ 14 mm	○	○	OZB-A5505	85,-
	SWF 30×/∅ 9 mm	○	○	OZB-A5506	120,-
	HSWF 10×/∅ 23 mm (reticule 0,1 mm)	○	○	OZB-A5512	125,-
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○	○	OZB-A5513	140,-
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○	○	OZB-A5514	140,-
Achromatic auxiliary objectives	0,37× only in combination with a universal stand	○	○	OZB-A5611	170,-
	0,5×	○	○	OZB-A5612	160,-
	0,7×	○	○	OZB-A5613	160,-
	1,5×	○	○	OZB-A5615	160,-
	2,0×	○	○	OZB-A5616	165,-
	Soldering protection lens	○	○	OZB-A5614	50,-
C-Mount	0,3× (focus adjustable)		○	OZB-A5701	140,-
	0,5× (focus adjustable)		○	OZB-A5702	140,-
	1,0× (focus adjustable)		○	OZB-A5703	105,-
	1,0× (with micrometer) only in combination with OZB-A5703		○	OZB-A5704	295,-
	For SLR cameras (Nikon)		○	OZB-A5706	295,-
	For SLR cameras (Olympus)		○	OZB-A5707	295,-
	For SLR cameras (Canon)		○	OZB-A5708	295,-

✓ = Included with delivery      ○ = Option

## Functionality of our Stereomicroscope Modular System

### Step 2:

Further illumination units (page 84) and a suitable protective dust cover (page 82) give you the opportunity to adapt the configuration, expansion and field of application of your ideal microscope individually to suit your own requirements.

Fiber illumination



Polarising ring light



Dust cover



## Fittings and accessories for the heads for the OZO-5 microscope range (OZO 556)

Eyepiece	Specifications – Objectives						
	Magnification	Standard 1,0×	Auxiliary objectives				
			0,37×	0,5×	0,7×	1,5×	2×
HSWF 10×	Total magnification	8× – 70×	2,96× – 25,9×	4× – 35×	5,6× – 49×	12× – 105×	16× – 140×
	Field of view mm	∅ 28,75 – 3,3	∅ 74,3 – 8,5	∅ 57,5 – 6,6	∅ 41,1 – 4,7	∅ 19,2 – 2,2	∅ 14,4 – 1,6
SWF 15×	Total magnification	12× – 105×	4,44× – 38,9×	6× – 52,5×	8,4× – 73,5×	18× – 157,5×	24× – 210×
	Field of view mm	∅ 21,25 – 2,4	∅ 57,4 – 6,6	∅ 42,5 – 4,9	∅ 30,4 – 3,5	∅ 14,2 – 1,6	∅ 10,6 – 1,2
SWF 20×	Total magnification	16× – 140×	5,92× – 51,8×	8× – 70×	11,2× – 98×	24× – 210×	32× – 280×
	Field of view mm	∅ 17,5 – 2	∅ 47,3 – 5,4	∅ 35 – 4	∅ 25 – 2,9	∅ 11,7 – 1,3	∅ 8,75 – 1
SWF 30×	Total magnification	24× – 210×	8,88× – 77,7×	12× – 105×	16,8× – 147×	36× – 315×	48× – 420×
	Field of view mm	∅ 11,25 – 1,3	∅ 30,4 – 3,5	∅ 22,5 – 2,6	∅ 16,1 – 1,8	∅ 7,5 – 0,9	∅ 5,625 – 0,6
<b>Working distance</b>		108 mm	275 mm	195 mm	145 mm	50 mm	35 mm

Model outfit	Model KERN		Order number	Price/piece excl. of VAT ex works €
	OZO 556			
Eyepieces (30,0 mm)	HSWF 10×/∅ 23 mm	✓✓	OZB-A5503	70,-
	SWF 15×/∅ 17 mm	○○	OZB-A5504	75,-
	SWF 20×/∅ 14 mm	○○	OZB-A5505	85,-
	SWF 30×/∅ 9 mm	○○	OZB-A5506	120,-
	HSWF 10×/∅ 23 mm (reticule 0,1 mm)	○	OZB-A5512	125,-
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○	OZB-A5513	140,-
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○	OZB-A5514	140,-
Achromatic auxiliary objectives	0,37× only in combination with a universal stand	○	OZB-A5611	170,-
	0,5×	○	OZB-A5612	160,-
	0,7×	○	OZB-A5613	160,-
	1,5×	○	OZB-A5615	160,-
	2,0×	○	OZB-A5616	165,-
	Soldering protection lens	○	OZB-A5614	50,-
C-Mount	0,3× (focus adjustable)		OZB-A5701	140,-
	0,5× (focus adjustable)		OZB-A5702	140,-
	1,0× (focus adjustable)		OZB-A5703	105,-
	1,0× (with micrometer) only in combination with OZB-A5703		OZB-A5704	295,-
	For SLR cameras (Nikon)		OZB-A5706	295,-
	For SLR cameras (Olympus)		OZB-A5707	295,-
	For SLR cameras (Canon)		OZB-A5708	295,-

✓ = Included with delivery      ○ = Option

## Functionality of our Stereomicroscope Modular System

### Step 3:

When using a trinocular microscope configuration, select the microscope camera (from page 85) which meets your requirements. To find the appropriate C-mount adapter, which is essential to correctly connect the camera, please see the fitting lists of the selected microscope head (from page 75).







OZB-A5201



OZB-A5203



OZB-A5211



OZB-A5212



OZB-A5213



OZB-A5221



OZB-A5222



OZB-A5223

8

## Individuality, variety and flexible working through our modular construction system ► PREMIUM universal stands

### Features

- With our universal stands and basic stands, as well as microscope heads and external illumination units, you can configure your microscope to your own specifications and adapt it to your application
- Thanks to the versatile, adjustable universal stands it is possible to work in the very best way in all areas with the most varied of samples

- Large universal stands are available as stand base variants as well as with the option of a clamp for the edge or the centre of a bench. Depending on the model, you have the choice of a telescopic arm stand, a jointed arm stand or a telescopic double arm universal stand with ball bearings

### Technical data

- Column height: 515 mm

#### OZB-A5201/OZB-A5211/OZB-A5221

- Length telescopic arm: 614 mm

#### OZB-A5212/OZB-A5222

- Length jointed arm: 553 mm

#### OZB-A5203/OZB-A5213/OZB-A5223

- Length double arm: 545 mm

Model	Description	Price excl. of VAT ex works €
<b>KERN</b>		
OZB-A5201	Telescopic arm – Plate – excl. holder	590,-
OZB-A5211	Telescopic arm – Clamp Edge of bench (Range: max. 62 mm) – excl. holder	550,-
OZB-A5221	Telescopic arm – Clamp Centre of bench (hole required) – excl. holder	590,-
OZB-A5212	Jointed arm – Clamp Edge of bench (Range: max. 62 mm) – excl. holder	590,-
OZB-A5222	Jointed arm – Clamp Centre of bench (hole required) – excl. holder	620,-
OZB-A5203	Telescopic double arm with ball bearings – Plate – excl. holder	920,-
OZB-A5213	Telescopic double arm with ball bearings – Clamp Edge of bench (Range: max. 62 mm) – excl. holder	890,-
OZB-A5223	Telescopic double arm with ball bearings – Clamp Centre of bench (hole required) – excl. holder	930,-



OZB-A1201



OZB-A1203



OZB-A6302



OZB-A1211



OZB-A1213



OZB-A6303



OZB-A6301



## Individuality, variety and flexible working through our modular construction system ► ECO universal stands

### Features

- With our universal stands and basic stands, as well as microscope heads and external illumination units, you can configure your microscope to your own specifications and adapt it to your application
- Thanks to the versatile, adjustable universal stands it is possible to work in the very best way in all areas with the most varied of samples
- Small universal stands are available as stand base variants as well as with the option of a clamp for the edge of a bench. Depending on the model, you have the choice of a telescopic arm stand or a telescopic double arm universal stand with ball bearings
- The spring loaded universal stands including bench clamp will make your daily work with your stereo microscope easier. Now including coarse adjustment knob for easy, flexible focussing

### Technical data

#### OZB-A1201/OZB-A1211

- Column height: 430 mm
- Length telescopic arm: 385 mm

#### OZB-A1203/OZB-A1213

- Column height: 430 mm
- Length telescopic arm: 480 mm

#### OZB-A6302

- Height spring loaded arm: 525 mm
- Length spring loaded arm: 620 mm

#### OZB-A6301

- Column height: 300 mm

#### OZB-A6303

- Height spring loaded arm: 400 mm
- Length spring loaded arm: 850 mm

Model	Description	Price excl. of VAT ex works €
<b>KERN</b>		
OZB-A1201	Telescopic arm – Plate – excl. holder	400,-
OZB-A1211	Telescopic arm – Clamp Edge of bench (Range: max. 40 mm) – excl. holder	370,-
OZB-A1203	Jointed arm – Plate – excl. holder	445,-
OZB-A1213	Jointed arm – Clamp Edge of bench (Range: max. 40 mm) – excl. holder	420,-
OZB-A6302	Spring loaded arm (Pneumatic spring) – Clamp (Range: max. 50 mm) – with holder (Coarse focusing knob)	860,-
OZB-A6303	Spring loaded arm (Compression spring) – Clamp (Range: max. 50 mm) – with holder (Coarse focusing knob)	540,-
OZB-A6301	Pillar style stand with “C”-shape base – excl. holder	360,-



OZB-A5301



OZB-A5306

## Individuality, variety and flexible working through our modular construction system ▶ Holders

### Features

- There are two microscope head holders available for these flexible, modular systems. These brackets are suitable for all stereo microscope stands and universal stands (excluding spring loaded arm), to make focusing possible
- The first variant available is a holder with adjustable handwheel as well as adjustment of the torque for your configuration

- For professional applications you have the choice of a mount with coarse and fine focusing knob for the very best focusing operation
- Diameter of the connector for the microscope head: 76 mm
- Diameter of the connector for the stand: 25 mm

Model	Description	Price excl. of VAT ex works €
<b>KERN</b>		
OZB-A5301	Holder with adjustable torque of the hand wheel. Suitable for all universal stands (except of spring loaded arm) and for all basic stands as possible accessories.	180,-
OZB-A5306	Holder with coaxial coarse and fine focusing knob and adjustable torque of the hand wheel. Suitable for all universal stands (except of spring loaded arm) and for all basic stands as possible accessories.	300,-

8



## Individuality, variety and flexible working through our modular construction system ▶ Dust covers

### Features

- When working with microscopes, we offer dust covers to give greater ease of use. By using these, you can easily avoid the time-consuming cleaning work which is necessary with routine use of your microscope

- Depending on the size of your microscope set or your microscope configuration you can select between three different models
- Please find detailed information in the following model outfit list

Model	Description	Suitable for	Price excl. of VAT ex works €
<b>KERN</b>			
OBB-A 1387	Size 1: 485×450 mm	Stereo microscope heads	35,-
OBB-A 1388	Size 2: 600×650 mm	Stereo microscope heads in combination with basic stands	35,-
OBB-A 1389	Size 3: 700×900 mm	Stereo microscope sets, stereo microscope heads in combination with universal stands	35,-

**KERN & SOHN GmbH**

Balances, Test Weights, Microscopes,  
DAkkS Calibration Laboratory  
Ziegelei 1  
72336 Balingen  
Germany  
Tel. +49 7433 9933-0  
info@kern-sohn.com  
www.kern-sohn.com

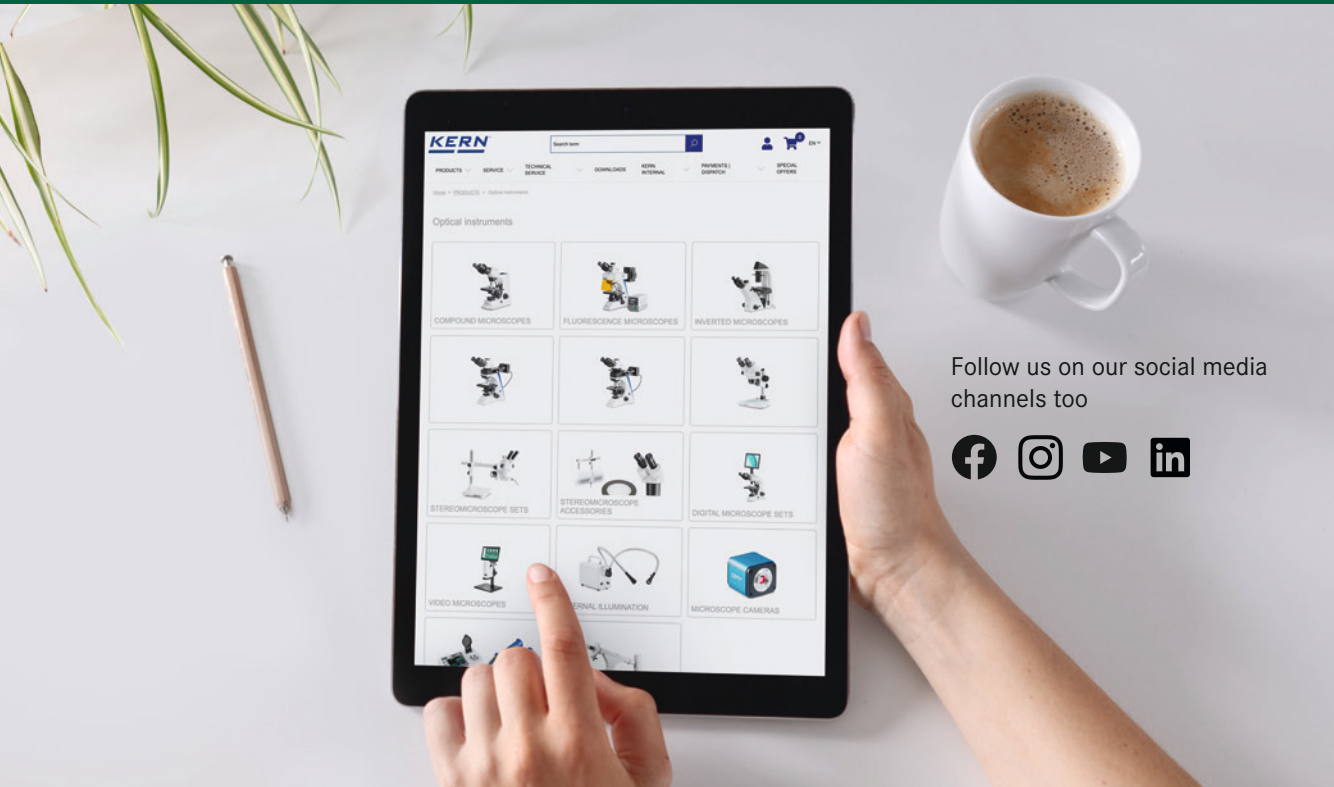
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