



OSF 527



OSF 526

EDUCATIONAL LINE

The robust model for school, training establishment, workshops or laboratory

Features

- The KERN OSF-5 is a very robust, stable and easy to use stereo microscope.
- Thanks to its qualities and the flexible pillar stand, it is optimally suited to rough working environments, workshops, schools and training establishments.
- In addition to its very good optical properties, its large working surface offers the best possible ease of use in this class.
- The model-dependent, powerful and separately dimmable incident and transmitted LED illumination unit reliably ensures good illumination at all times.
- The multitude of objective combinations, the extra large working distance and the depth of view are all you can wish for.
- The large selection of additional eyepieces, including for wearers of glasses, and further accessories, round the package off.
- One of the central features of this variable and simultaneously robust series of microscopes is the stable and precisely adjustable mechanism. This is underlined by the functional and ergonomic design.

Technical data

- Optical system: Greenough
- Brightness adjustable
- Tube: 45° inclined
- Interpupillary distance: 52 – 76 mm
- Diopter adjustment (one-sided)
- Packing dimensions WxDxH 370x330x385 mm

OSF 522 / OSF 524 / OSF 526

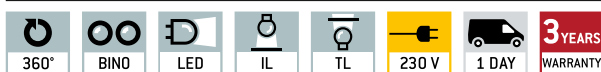
- Net weight approx. 2,8 kg

OSF 523 / OSF 525 / OSF 527

- Net weight approx. 3,8 kg

Please find detailed information in the following charts.

STANDARD



OPTION



Model	Standard configuration					
	Tube	Eyepiece	Field of view mm	Objective	Stand	Illumination
KERN						
OSF 522	Binocular	HSWF 10x Ø 23 mm	Ø 23	1x / 2x	Pillar style	-
OSF 523	Binocular	HSWF 10x Ø 23 mm	Ø 23	1x / 2x	Pillar style	3W LED (incident); 3W LED (transmitting)
OSF 524	Binocular	HSWF 10x Ø 23 mm	Ø 23	1x / 3x	Pillar style	-
OSF 525	Binocular	HSWF 10x Ø 23 mm	Ø 23	1x / 3x	Pillar style	3W LED (incident); 3W LED (transmitting)
OSF 526	Binocular	HSWF 10x Ø 23 mm	Ø 23	2x / 4x	Pillar style	-
OSF 527	Binocular	HSWF 10x Ø 23 mm	Ø 23	2x / 4x	Pillar style	3W LED (incident); 3W LED (transmitting)

Eyepiece	Specifications – Objectives				
	Magnification	1x	2x	3x	4x
HSWF 10x	Total magnification	10x	20x	30x	40x
	Field of view mm	Ø 23	Ø 11,5	Ø 7,67	Ø 5,75
SWF 15x	Total magnification	15x	30x	45x	60x
	Field of view mm	Ø 17	Ø 8,5	Ø 5,67	Ø 4,25
SWF 20x	Total magnification	20x	40x	60x	80x
	Field of view mm	Ø 14	Ø 7	Ø 4,67	Ø 3,5
SWF 30x	Total magnification	30x	60x	90x	120x
	Field of view mm	Ø 9	Ø 4,5	Ø 3	Ø 2,25
Working distance		105 mm	105 mm	105 mm	105 mm

Model outfit		Model KERN						Order number
		OSF 522	OSF 523	OSF 524	OSF 525	OSF 526	OSF 527	
Eyepieces	HSWF 10x / Ø 23 mm	●●	●●	●●	●●	●●	●●	OZB-A5503
	SWF 15x / Ø 17 mm	○○	○○	○○	○○	○○	○○	OZB-A5504
	SWF 20x / Ø 14 mm	○○	○○	○○	○○	○○	○○	OZB-A5505
	SWF 30x / Ø 9 mm	○○	○○	○○	○○	○○	○○	OZB-A5506
	HSWF 10x / Ø 23 mm (reticule 0,1 mm)	○	○	○	○	○	○	OZB-A5512
	SWF 15x / Ø 17 mm (reticule 0,05 mm)	○	○	○	○	○	○	OZB-A5513
	SWF 20x / Ø 14 mm (reticule 0,05 mm)	○	○	○	○	○	○	OZB-A5514
Darkfield attachment	Darkfield attachment	○	○	○	○	○	○	OBB-A6201
Object clamp	Object clamp	○	○	○	○	○	○	OBB-A6205
Stands	Pillar style, without illumination	●		●		●		
	Pillar style, with 3W LED illumination (transmitting + incident)		●		●		●	
	Please find more stands in the catalogue on page 64 and on our website www.kern-sohn.com							
Stage plate	Frosted glass / Ø 94,5 mm		●		●		●	OZB-A5192
	Black-white / Ø 94,5 mm	●	●	●	●	●	●	OZB-A5191
	Glass / Ø 94,5 mm		○		○		○	OZB-A5190
Mechanical stage	Stage size: WxD 188x160 mm, Travel: 76x65 mm, for transmitting and incident illumination	○	○	○	○	○	○	OZB-A5781
	Stage size: WxD 180x175 mm; Travel: 100x86 mm, for incident illumination only	○	○	○	○	○	○	OZB-A5782
External illumination	Please find the information about external illumination units in the catalogue from page 68 and on our website www.kern-sohn.com							

● = Standard configuration

○ = Option

 360°	360° rotatable microscope head	 FL-HB0	Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter	 AUTO ATC	Automatic temperature compensation For measurements between 10 °C and 30 °C
 MONO	Monocular Microscope For the inspection with one eye	 FL-LED	Fluorescence illumination for compound microscopes With 3 W LED illumination and filter	 IP	Protection against dust and water splashes IPxx The type of protection is shown by the pictogram.
 BINO	Binocular Microscope For the inspection with both eyes	 PH	Phase contrast unit For a higher contrast	 BATT	Battery operation Ready for battery operation. The battery type is specified for each device.
 TRINO	Trinocular Microscope For the inspection with both eyes and the additional option for the connection of a camera	 POLAR	Polarising unit To polarise the light	 ACCU	Rechargeable battery pack Rechargeable set.
 ABBE	Abbe Condenser With high numerical aperture for the concentration and the focusing of light	 INFINITY	Infinity system Infinity corrected optical system	 230 V	Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
 HAL	Halogen illumination For pictures bright and rich in contrast	 ZOOM	Zoom magnification For stereomicroscopes	 230 V	Power supply Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 LED	LED illumination Cold, energy saving and especially long-life illumination	 PARALLEL	Parallel optical system For stereomicroscopes, enables fatigue-proof working	 DAYS	Package shipment The time required to manufacture the product internally is shown in days in the pictogram.
 IL	Incident illumination For non-transparent objects	 SCALE	Integrated scale In the eyepiece	 3 YEARS WARRANTY	Warranty The warranty period is shown in the pictogram.
 TL	Transmitting illumination For transparent objects	 USB 2.0	Integrated USB 2.0 digital camera For direct transmitting of the picture to a PC		
 FL	Fluorescence illumination For stereomicroscopes	 USB 3.0	Integrated USB 3.0 digital camera For direct transmitting of the picture to a PC		

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope	N.A.	Numerical Aperture	W.D.	Working Distance
H(S)WF	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)	SLR Kamera	Single-Lens Reflex camera	WF	Wide Field (Field number up to Ø 22 mm for 10x eyepiece)
LWD	Long Working Distance	SWF	Super Wide Field (Field number at least Ø 23 mm for 10x eyepiece)		

Your KERN specialist dealer: