



OSF 527



OSF 526

EDUCATIONAL LINE

High level of quality, strong illumination and a high level of flexibility, for schools, training workshops and laboratories

Features

- The KERN OSF-5 series stands out because of its modular construction and flexible pole stands. Due to its robust design it is also ideal for use in harsh working environments.
- Depending on the model, you have the choice of reflected and transmitted illumination variants with 3 W LED (continuously dimmable) or a variant without a light source.
- The high-quality optics, together with a large working surface offers the highest level of comfort for your applications.
- A turnable objective with two predefined magnifications is available to make your working procedures quicker and more effective.
- The large eyepieces with a field of view of 23 mm give you the very best and most comfortable microscope use over several hours.
- The pillar stand not only gives you the highest level of flexibility when working under the microscope, but also the option of removing the microscope head and integrating this into other modular construction systems, for example into a universal stand.
- A large selection of eyepieces, (universal) stands, a darkfield kit as well as a mechanical stage extension are available as accessories.
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery.
- Please find detailed information in the following charts.

Scope of application

- Training, zoology and botany, quality control

Applications/Samples

- Samples with focus on three-dimensional impression (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Interpupillary distance: 52 – 76 mm
- Diopter adjustment: One-sided
- Overall dimensions W×D×H
310×285×400 mm
- Net weight approx. 3,5 kg

STANDARD



OPTION



































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

Eyepiece	Specifications – Objectives				
	Magnification	1×	2×	3×	4×
HSWF 10×	Total magnification	10×	20×	30×	40×
	Field of view mm	∅ 23	∅ 11,5	∅ 7,67	∅ 5,75
SWF 15×	Total magnification	15×	30×	45×	60×
	Field of view mm	∅ 17	∅ 8,5	∅ 5,67	∅ 4,25
SWF 20×	Total magnification	20×	40×	60×	80×
	Field of view mm	∅ 14	∅ 7	∅ 4,67	∅ 3,5
SWF 30×	Total magnification	30×	60×	90×	120×
	Field of view mm	∅ 9	∅ 4,5	∅ 3	∅ 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 (30,0 mm)	HSWF 10×/∅ 23 mm	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	OZB-A5503	
	SWF 15×/∅ 17 mm	○	○	○	○	○	○	OZB-A5504	
	SWF 20×/∅ 14 mm	○	○	○	○	○	○	OZB-A5505	
	SWF 30×/∅ 9 mm	○	○	○	○	○	○	OZB-A5506	
	HSWF 10×/∅ 23 mm (reticule 0,1 mm)	○	○	○	○	○	○	OZB-A5512	
	SWF 15×/∅ 17 mm (reticule 0,05 mm)	○	○	○	○	○	○	OZB-A5513	
	SWF 20×/∅ 14 mm (reticule 0,05 mm)	○	○	○	○	○	○	OZB-A5514	
Darkfield unit	Darkfield unit	○	○	○	○	○	○	OZB-A4601	
Object clamp	Object clamp	○	○	○	○	○	○	OBB-A6205	
Stand	Pillar style, without illumination	✓		✓		✓			
	Pillar style, with 3 W LED illumination (transmitted + incident)		✓		✓		✓		
	Please find more stands in the catalogue on page 78 and on our website www.kern-sohn.com								
Stage plate	Frosted glass/∅ 94,5 mm		✓		✓		✓	OZB-A5192	
	Black-white/∅ 94,5 mm	✓	✓	✓	✓	✓	✓	OZB-A5191	
	Glass/∅ 94,5 mm		○		○		○	OZB-A5190	
Mechanical stage (Pre-assembling on request)	Stage size W×D 188×160 mm, Travel 76×65 mm, for transmitted and incident illumination	○	○	○	○	○	○	OZB-A5781	
	Stage size W×D 180×175 mm; Travel 100×86 mm, for incident illumination only	○	○	○	○	○	○	OZB-A5782	
External illumination	Please find the information about external illumination units in the catalogue from page 81 and on our website www.kern-sohn.com								

✓ = Included with delivery

○ = Option

 360°	360° rotatable microscope head	 FL-LED	Fluorescence illumination for compound microscopes With 3 W LED illumination and filter	 SD	SD card For data storage
 MONO	Monocular Microscope For the inspection with one eye	 PH	Phase contrast unit For a higher contrast	 SOFTWARE	PC software To transfer the measurements from the device to a PC.
 BINO	Binocular Microscope For the inspection with both eyes	 DF	Darkfield condenser/unit For a higher contrast due to indirect illumination	 ATC	Automatic temperature compensation For measurements between 10 °C and 30 °C
 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	 IP	Protection against dust and water splashes IPxx The type of protection is shown by the pictogram.
 ABBE	Abbe Condenser With high numerical aperture for the concentration and the focusing of light	 INFINITY	Infinity system Infinity corrected optical system	 BATT	Battery operation Ready for battery operation. The battery type is specified for each device.
 HAL	Halogen illumination For pictures bright and rich in contrast	 ZOOM	Zoom magnification For stereomicroscopes	 RECHARGE	Battery operation rechargeable Prepared for a rechargeable battery operation
 LED	LED illumination Cold, energy saving and especially long-life illumination	 PARALLEL	Parallel optical system For stereomicroscopes, enables fatigue-proof working	 230 V	Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version.
 IL	Incident illumination For non-transparent objects	 SCALE	Integrated scale In the eyepiece	 230 V	Power supply Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.
 TL	Transmitting illumination For transparent objects	 USB 2.0	Integrated USB 2.0 digital camera For direct transmitting of the picture to a PC	 1 DAY	Package shipment The time required to manufacture the product internally is shown in days in the pictogram.
 FL	Fluorescence illumination For stereomicroscopes	 USB 3.0	Integrated USB 3.0 digital camera For direct transmitting of the picture to a PC	 3 YEARS WARRANTY	Warranty The warranty period is shown in the pictogram.
 FL-HBO	Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter	 HDMI	HDMI digital camera For direct transmitting of the picture to a display device		

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope	LWD	Long Working Distance	SWF	Super Wide Field (Field number at least Ø 23 mm for 10x eyepiece)
FPS	Frames per second	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)

Your KERN specialist dealer: