



Side view

**LAB LINE**

The specialist for jewellers and the gem industry



**Features**

- The KERN OZG series has been specially developed for jewellers and mineral observations in the gem industry. Precious stones and gems can be checked and handled with this stereo zoom microscope
- You have a choice of a strong halogen transmitted illumination unit as well as halogen reflected and transmitted illumination variants, each with an additional frontal illumination
- As well as very good optical characteristics, this model forms an ideal package with its dark field unit with object clamp which is included in the scope of delivery
- The KERN OZG 493 is fitted with a pole stand which has both integrated bright halogen light units with incident and transmitted illumination, as well as additional front lighting
- 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 model outfit list

**Scope of application**

- Jewellers and gem industry

**Applications/Samples**

- Samples with focus on three-dimensional impression (depth, thickness), zoom for variable magnification, special stand for processing workpieces e.g. gems, components, precious stones

**Technical data**

- Optical system: Greenough optics
- Brightness adjustable
- Tube 45° inclined
- Interpupillary distance 55 – 75 mm
- Diopter adjustment: Both-sided
- Magnification ratio: 5,1:1
- Overall dimensions W×D×H 310×170×350 mm
- Net weight approx. 5 kg

STANDARD



Model	Standard configuration						Price excl. of VAT ex works €
	Tube	Eyepiece	Field of view mm	Objective Zoom	Stand	Illumination	
<b>KERN</b>							
<b>OZG 493</b>	Binocular	WF 10×/ø 20 mm	ø 26,7 - 5,6	0,7× - 3,6×	Pillar style	10 W Halogen (incident) 10 W Halogen (transmitted) 10 W Fluorescence (front illumination)	<b>520,-</b>

# Gem microscope KERN OZG-4

OZG 493		
Specifications - Objectives		
Eyepiece	Magnification	Standard 1,0×
WF 5×	Total magnification	3,75× - 18×
	Field of view mm	∅ 26 - 6
WF 10×	Total magnification	7,5× - 36×
	Field of view mm	∅ 26,7 - 5,6
WF 15×	Total magnification	11,25× - 54×
	Field of view mm	∅ 19 - 4,5
WF 20×	Total magnification	15× - 72×
	Field of view mm	∅ 12,5 - 3
Working distance		86 mm

04

Model outfit		Model KERN	Order number	Price/piece excl. of VAT ex works €
		OZG 493		
Eyepieces (30,5 mm)	WF 5×/∅ 16,2 mm	○ ○	OZB-A4101	35,-
	WF 10×/∅ 20 mm	✓ ✓	OZB-A4102	30,-
	WF 15×/∅ 15 mm	○ ○	OZB-A4103	30,-
	WF 20×/∅ 10 mm	○ ○	OZB-A4104	35,-
Darkfield unit	Darkfield unit	✓	OZB-A4601	70,-
Object clamp	Object clamp (steel wire)	✓	OZB-A4604	30,-
Stand	Pillar style, with 12 V/ 10 W Halogen (transmitted + incident) and 10 W Fluorescent illumination (front)	✓		
Stage plate	Frosted glass/∅ 95 mm	✓	OZB-A4805	19,-
	Black-white/∅ 95 mm	✓	OZB-A4806	19,-
Illumination	10 W spare bulb (transmitted + incident)	✓	OZB-A4804	19,-

✓ = Included with delivery

○ = Option