



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 standard this microscope offers you continuous total magnification of 7× - 36×

- 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					
	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)

# 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
<b>Working distance</b>		86 mm

Model outfit	Model KERN	Order number
OZG 493		
<b>Eyepieces</b> (30,5 mm)	WF 5×/∅ 16,2 mm	○○ OZB-A4 101
	WF 10×/∅ 20 mm	✓✓ OZB-A4 102
	WF 15×/∅ 15 mm	○○ OZB-A4 103
	WF 20×/∅ 10 mm	○○ OZB-A4 104
<b>Darkfield unit</b>	Darkfield unit	✓ OZB-A4601
<b>Object clamp</b>	Object clamp (steel wire)	✓ OZB-A4604
<b>Stand</b>	Pillar style, with 12 V/10 W Halogen (transmitted + incident) and 10 W Fluorescent illumination (front)	✓
<b>Stage plate</b>	Frosted glass/∅ 95 mm	✓ OZB-A4805
	Black-white/∅ 95 mm	✓ OZB-A4806
<b>Illumination</b>	10 W spare bulb (transmitted + incident)	✓ OZB-A4804

✓ = Included with delivery

○ = Option