

Z series

HIGHLIGHTS

- Binocular and trinocular models
- SWF10x/23 mm eyepieces
- Stereo zoom heads with fix 45°, 60° or 90° inclined tubes
- Zoom magnification from 1 upto 420x
- Superior resolution
- Multiple stands
- 10 years warranty

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of SWF 10x/23 mm eyepieces

HEAD

- Binocular or trinocular heads with 45°, 60° or 90° inclined tubes
- Diopter $\pm 6^\circ$ adjustment on both tubes for Z series
- Interpupillary distance from 55 to 75 mm.

ZOOM MAGNIFICATION OBJECTIVES

- Zoom objective with variable 0.4x to 2.5x magnifications
- Zoom objective with variable 0.7x to 4.5x magnifications
- Zoom objective with variable 1x to 7x magnifications

Zoom objectives with click stops are also available on request. All optics have an anti-reflection coating for maximum light throughput and are anti-fungus treated

STANDS WITHOUT ILLUMINATION

- EST-1710** Pillar stand with EST-1790 head holder. Pillar height 210 mm, diameter \varnothing 20 mm. Dimensions 250 (h) x 150 (w) x 240 mm (d)
- EST-1718** Pillar ergonomically flat stand with EST-1790 head holder. Pillar height 213 mm, diameter \varnothing 20 mm. Dimensions 258 (h) x 330 (w) x 306 mm (d)

STANDS WITH ILLUMINATION

- EST-1735** Rack & pinion stand with 3 W LED illumination and rotatable double-sided coated mirror (one frosted and one aluminium coated side). Especially developed for observation of transparent object. Very suitable equine or porcine embryo collection and transfer. Adjustable light intensity. Supplied with external power supply. Dimensions: 240 x 160 x 290 (D x W x H), min/max height 240-290



● EZE-1624 and EST-1735

- EST-1740** Rack & pinion stand with 10 W halogen illumination. Supplied with frosted filter for transmitted illumination and a blue filter for incident illumination. Both illuminations are adjustable and can be simultaneously used. With integrated power supply. Dimensions: 240 x 160 x 290 (D x W x H), min/max height 240-290 mm

BOOM STANDS

- EST-1720** Articulated one arm boom stand with a 270 x 270 mm base, 610 mm and \varnothing 29mm pillar, with orientable stereo head holder EST-1794. Vertical post 780 mm. Weight 19.5 kg
- 65.980/65.983** Articulated one arm stand to be mounted on a table with 85 mm diameter head holder. Depth positioning of stereo head between 33 and 100 cm. 65.983 Working distance between 0 and maximum 295 mm
- ENZ-9027/65.983** Articulated one arm stand mounted on a heavy base with 85 mm diameter head holder. Depth positioning of stereo head between 33 and 100 cm. 65.983 Working distance between 0 and maximum 295 mm

HEAD HOLDERS

- EST-1790** Head holder with coarse adjustment*
- EST-1796** Head holder with coarse and fine adjustment*
- EST-1792** Head holder with coarse adjustment and opening for one fiber light guide*
- EST-1794** Orientable head holder with coarse adjustment and opening for one fiber light guide**

* Not suitable for EST-1720 and E65-980/E65-983

** Suitable for EST-1720

All head holders have an internal diameter of 84 mm and a friction adjustment

STAGE

- EAE-1950** Large sliding X-Y stage, 350 x 270 mm, translation by hand

PACKAGE CONTENT

- Supplied with power cord, dust cover, a spare fuse and user manual
- All packed in a polystyrene box

MODELS (ZOOM STEREO HEADS)

	Binocular	Trinocular	Tilt tubes	objective zoom	Magnifications	Working distance (mm)	Field of view (mm)
EZE-1624	•		45°	0.7 - 4.5x	7 - 45x	93	32/5.1
EZE-1654		•	45°	0.7 - 4.5x	7 - 45x	93	32/5.1
EZE-1657		• ¹	45°	0.7 - 4.5x	7 - 45x	104	32/5.1
EZE-1626	•		60°	0.7 - 4.5x	7 - 45x	93	32/5.1
EZE-1629	•		90°	0.7 - 4.5x	7 - 45x	110	32/5.1
EZE-1659		• ¹	45°	0.4 - 2.5x	4 - 25x	185	57/12,8

¹) When the trinocular tube is engaged, the image is still available in both other tubes. All zoom stereo heads are supplied with SWF 10x/23 mm eyepieces with eyecups

	Column (mm)	Diameter (mm)	Rack & pinion	I x p base (mm)	Height (mm)	Head holder	Illumination
EST-1710	210	20		240 x 150	250	EST-1790	*
EST-1718	213	20		330 x 306	258	EST-1790	*
EST-1720	610	29		780 x 270	650	EST-1794	*
EST-1735	-		•	240 x 160	290		3 W LED
EST-1740	-		•	240 x 160	290		10 W Hal
E65-980/E65-983	-		•	∅ 1000 **	0/295	65.983	*
ENZ-9027/E65-983	-		•	∅ 1000 **	0/295	65.983	*

* Systems can be equipped with a large number of optional illumination systems, for example ring light ELE-1973 and ELE-1974 or cold light source ELE-5211-LED

** Length with the 2 arms totally extended

ACCESSORIES AND SPARE PARTS

EYEPIECES

- EAE-1836** Pair of SWF10x/23 mm eyepieces
- EAE-1834** Pair of SWF12.5x/20 mm eyepieces
- EAE-1837** Pair of SWF15x/16 mm eyepieces
- EAE-1838** Pair of SWF20x/11.5 mm eyepieces
- EAE-1840** Pair of SWF30x/7.5 mm eyepieces
- EAE-5439** Pair of eyecups
- EAE-5425** Pair of eyecups, suitable for spectacles

MICROMETER EYEPIECES

(with adjustable lens)

- EAE-1839** SWF10x/21mm with 10 mm/100 micrometer reticle and cross hairs
- EAE-1841** SWF10x/21mm with 10 x 10 mm reticle, 400 squares
- EAE-1842** SWF10x/21mm with photo corners marks

MICROMETER SLIDES

EAE-1112 Object slide 76 x 26 mm with micrometer 50mm/500, 100 µm/division

ADDITIONAL LENSES

(for EZE-1659)

EAE-1850 Additional 0.7x lens. Working distance 233 mm

EAE-1822 Additional 0.57x lens. Working distance 300 mm

ADDITIONAL LENSES

(for EZE-1624, EZE-1654, EZE-1626)

EAE-1870 Additional 0.44x lens. Working distance 180 mm. Suitable with EST-1720, 65.980/65.983 and ENZ-9027/65.983 stands

EAE-1856 Additional 0.5x lens. Working distance 150 mm. Suitable with EST-1740. Maximum object size is 15 mm

EAE-1857 Additional 0.75x lens. Working distance 97 mm

EAE-1858 Additional 1.5x lens. Working distance 50 mm

EAE-1859 Additional 2.0x lens. Working distance 34 mm

ADDITIONAL LENSES

(for EZE-1657)

EAE-1818 Additional lens 1.5x for zoom EZE-1657. Working distance 57 mm

PROTECTION WINDOWS

(to be screwed under the objectives)

EAE-1845 Protection window for all heads of ZE series except EZE-1659

MECHANICAL STAGES

EAE-1876 Plain stage 145 x 115 mm with 75 x 50 mm X-Y mechanical stage on ball bearings. Horizontal coaxial adjustment. Double Vernier with 0.1 mm graduations. Only with EST-1710 and EST-1740

EAE-1950 Large 390 x 390 mm stage with 360 x 360 mm X-Y mechanical stage. Only for EST-1720

OBJECT STAGES

EAE-1885 Round object low-profile table with frosted glass filter. Interchangeable with dark field EST-1740

OBJECT PLATE - Ø 94 MM

EAE-1882 Acrylic black/white object plate

FILTERS - Ø 40 MM

EAE-1897 Frosted glass filter

HEADHOLDER

EST-1790 Standard Ø 84 mm stereo head holder with hole for pillar mounting with 20 mm diameter of Z-series

EST-1794 Standard Ø 84 mm stereo head holder with hole for pillar mounting with 20 mm diameter of Z-series. With hinge for movement in all directions

EST-1796 Standard Ø 84 mm stereo head holder with hole for pillar mounting with 20 mm diameter of Z-series. With coaxial course and fine adjustment with graduations

OBJECT HOLDER

EAE-5446 Orientable clamp for gems. Interchangeable with object plate clamp

SPARE BULB AND FUSES

EAE-5252 Fuses for EST-1740 stand. Per 10 pieces

CAMERA

EDC-1320 Projection 1x objective with C-mount

EDC-1324 Projection 0.5x objective with C-mount for cameras with 1/2" sensor. To be inserted into a 23.2 mm tube

EDC-1326 Projection 0.33x objective with C-mount for cameras with 1/3" sensor. To be inserted into a 23.2 mm tube

EAE-5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter

EAE-5025 T2 adapter for Nikon D digital SLR cameras

EAE-5040 T2 adapter for Canon EOS digital SLR cameras

Other T2 adapters on request

MISCELLANEOUS

EAE-1900 Glass object-plate, Ø 100mm

EAE-1903 Black/White stage plate, Ø 100mm

EAE-1843 Protection glass for EE.1522 and EE.1552 (1x/2x and 1x/3x)

● EZE-1624 and EST-1735



EZE-1629 and EAE-1796 ●

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