

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

ST.1710 Pillar stand with ST.1790 head holder. Pillar height 210 mm, diameter \varnothing 20 mm. Dimensions 250 (h) x 150 (w) x 240 mm (d)

ST.1718 Pillar ergonomically flat stand with ST.1790 head holder. Pillar height 213 mm, diameter \varnothing 20 mm. Dimensions 258 (h) x 330 (w) x 306 mm (d)

STANDS WITH ILLUMINATION

ST.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



● ZE.1624 and ST.1735

ST.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

ST.1720 Articulated one arm boom stand with a 270 x 270 mm base, 610 mm and \varnothing 29mm pillar, with orientable stereo head holder ST.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

NZ.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

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

* Not suitable for ST.1720 and 65.980/65.983

** Suitable for ST.1720

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

STAGE

- AE.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)
ZE.1624	•		45°	0.7 - 4.5x	7 - 45x	93	32/5.1
ZE.1654		•	45°	0.7 - 4.5x	7 - 45x	93	32/5.1
ZE.1657		• ¹	45°	0.7 - 4.5x	7 - 45x	104	32/5.1
ZE.1626	•		60°	0.7 - 4.5x	7 - 45x	93	32/5.1
ZE.1629	•		90°	0.7 - 4.5x	7 - 45x	110	32/5.1
ZE.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
ST.1710	210	20		240 x 150	250	ST.1790	*
ST.1718	213	20		330 x 306	258	ST.1790	*
ST.1720	610	29		780 x 270	650	ST.1794	*
ST.1735	-		•	240 x 160	290		3 W LED
ST.1740	-		•	240 x 160	290		10 W Hal
65.980/65.983	-		•	ø 1000 **	0/295	65.983	*
NZ.9027/65.983	-		•	ø 1000 **	0/295	65.983	*

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

**) Length with the 2 arms totally extended

ACCESSORIES AND SPARE PARTS

EYEPIECES

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

MICROMETER EYEPIECES

(with adjustable lens)

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

MICROMETER SLIDES

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

ADDITIONAL LENSES

(for ZE.1659)

- AE.1850** Additional 0.7x lens. Working distance 233 mm
AE.1822 Additional 0.57x lens. Working distance 300 mm

ADDITIONAL LENSES

(for ZE.1624, ZE.1654, ZE.1626)

- AE.1870** Additional 0.44x lens. Working distance 180 mm. Suitable with ST.1720, 65.980/65.983 and NZ.9027/65.983 stands
AE.1856 Additional 0.5x lens. Working distance 150 mm. Suitable with ST.1740. Maximum object size is 15 mm
AE.1857 Additional 0.75x lens. Working distance 97 mm
AE.1858 Additional 1.5x lens. Working distance 50 mm
AE.1859 Additional 2.0x lens. Working distance 34 mm

ADDITIONAL LENSES

(for ZE.1657)

- AE.1818** Additional lens 1.5x for zoom ZE.1657. Working distance 57 mm

PROTECTION WINDOWS

(to be screwed under the objectives)

- AE.1845** Protection window for all heads of ZE series except ZE.1659

MECHANICAL STAGES

- AE.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 ST.1710 and ST.1740
AE.1950 Large 390 x 390 mm stage with 360 x 360 mm X-Y mechanical stage. Only for ST.1720

OBJECT STAGES

- AE.1885** Round object low-profile table with frosted glass filter. Interchangeable with dark field ST.1740

OBJECT PLATE - Ø 94 MM

- AE.1882** Arcylic black/white object plate

FILTERS - Ø 40 MM

- AE.1897** Frosted glass filter

HEADHOLDER

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

- AE.5446** Orientable clamp for gems. Interchangeable with object plate clamp

FUSES

- AE.5252** Fuses for ST.1740 stand. Per 10 pieces

CAMERA

- DC.1320** Projection 1x objective with C-mount
DC.1324 Projection 0.5x objective with C-mount for cameras with 1/2" sensor. To be inserted into a 23.2 mm tube
DC.1326 Projection 0.33x objective with C-mount for cameras with 1/3" sensor. To be inserted into a 23.2 mm tube
AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
AE.5025 T2 adapter for Nikon D digital SLR cameras
AE.5040 T2 adapter for Canon EOS digital SLR cameras

Other T2 adapters on request

MISCELLANEOUS

- AE.1900** Glass object-plate, Ø 100mm
AE.1903 Black/White stage plate, Ø 100mm
AE.1843 Protection glass for EE.1522 and EE.1552 (1x/2x and 1x/3x)



● ZE.1624 and ST.1735



ZE.1629 and AE.1796 ●