

Z series

HIGHLIGHTS

- Modular system
- · Binocular and trinocular models
- · Standard HWF10x/23 mm eyepieces
- Stereo zoom heads with fix 45°, 60° or 90° inclined tubes
- · Zoom magnification objectives
- Superior resolution optics
- · Multiple stands
- 10 years warranty



TECHNICAL SPECIFICATIONS

EYEPIECE(S)

• Pair of SWF 10x/23 mm eyepieces

HEADS

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

ZOOM MAGNIFICATION OBJECTIVES

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

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.1670	•		45°	1 - 7x	10 - 70x	104	23/3.3
ZE.1671		•1	45°	1 - 7x	10 - 70x	104	23/7.7
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 without eyecups

STANDS WITHOUT ILLUMINATION

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

ST.1715 Pillar stand with ST.1792 head holder. Pillar height 250 mm, diameter ø 20 mm. Dimensions (h) 290 x (w)150 x (d) 240

ST.1717 Pillar ergonomically flat stand with ST.1790 head holder. Pillar height 250 mm, diameter ø 20 mm. Dimensions (h) 290 x (w) 250 x (d) 350

ST.1770 Large pillar wooden stand with ST.1790 head holder. Pillar height 360 mm, diameter ø 29 mm. Dimensions (h) 400 x (w) 580 x (d) 500 Suitable for SMD inspection.



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

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

ST.1750 Tilting rack & pinion stand for GEM observation. Round 260 mm base with object clamp AE.5446. Height 300 mm. Halogen 40 W 230 V incandescent illumination.

ST.1760 Pillar flat stand for dark field. Supplied with AE.1878 dark field attachment and object clamp AE.5446.

Cold light illumination by 100 W cold light source LE.5211 and flexible fiber light guide. Pillar height 210 mm, diameter ø 20mm.

Supplied with blue filter. Dimensions: 240 x 150 x 260 (L x W x H) (*Not suitable for ZE.1659*).

MODELS (STANDS)

	Column (mm)	Diameter (mm)	Rack & pinion	l x p base (mm)	Height (mm)	Head holder	Illumination
ST.1710	210	20		240x150	250	ST.1790	-
ST.1715	250	20		240x150	290	ST.1792	-
ST.1717	250	20		320x250	290	ST.1790	-
ST.1720	610	29		780x270	650	ST.1794	-
ST.1735	=		•	240x160	290		3 W LED
ST.1740	-		•	240x160	290		10 W Hal
ST.1750	-		•	ø 260	300		40 W ¹
ST.1760	210	20		240x160	260	ST.1790	100 W Hal ²
ST.1770	360	29		500x580	400	ST.1790	-
65.980/65.983	-		•	ø 1000 ³	0/295	65.983	-

¹) With 40 W incandescent bulb. ²) 100 W cold light illumination with fiber light guide. ³) Length with the 2 arms totally extended The stand ST.1760 is not suitable for head holder ZE.1659

BOOM STANDS

ST.1720 Articulated one arm boom stand with a 270 x 270 mm base, 610 mm and ø 29mm pillar, with orientable stereo head holder ST.1794. Vertical post 780 mm. Weight 19.5 kg

65.980/ 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

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

ST.1798 Orientable head holder with coarse and fine adjustment and opening for one fiber light guide All head holders have an internal diameter of 84 mm and a friction adjustment

FOCUSING

- Coarse adjustment and friction adjustment for head holders for ST.1790, St.1792, ST.1794, ST1796
- The head holders ST.1796 and ST.1798 are also equipped with a fine focusing adjustment

PACKAGING

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



ACCESSORIES AND SPARE PARTS

EYEPIECES

(without eyecups)

AE.1835 Pair of SWF5x/26 mm 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 when wearing for spectacles

MICROMETER EYEPIECES

(with adjustable lens)

AE.1839 SWF10x/21mm with 10 mm/100 micrometer reticle

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, $100 \mu m/division$

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.1670, ZE.1671, ZE.1626)

AE.1855 Additional 0.3x lens. Working distance 250 mm. Suitable with ST.1720, ST.1770, ST.1780 et ST.1785 stands

AE.1870 Additional 0.44x lens. Working distance 180 mm.
Suitable with ST.1715, ST.1720, ST.1770, ST.1780 and
ST.1785 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.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.1629)

AE.1805 Additional 0.3x lens. Working distance 330 mm.
Suitable with ST.1720, ST.1770, ST.1780 and ST.1785 stands

AE.1806 Additional 0.5x lens. Working distance 198 mm.
Suitable with ST.1715, ST.1720, ST.1770, ST.1780 and
ST.1785 stands

AE.1807 Additional 0.75x lens. Working distance 125 mm
AE.1808 Additional 1.5x lens. Working distance 62 mm
AE.1809 Additional 2.0x lens. Working distance 42 mm

ADDITIONAL LENSES

(for ZE.1657)

AE.1807 Additional 0.35x lens. Working distance 250 mm
AE.1808 Additional 0.5x lens. Working distance 174 mm
AE.1809 Additional 1.5x lens. 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

AE.1825 Protection window for ZE.1659. Not suitable with additional lenses

DARK FIELD

AE.1878 Dark field attachment for all stands with transmitted illumination

AE.1879 Iris diaphragm suitable with AE.1878

AE.1871 Object table for AE.1878 with ST.1760 stand.

Suitable to observe contact lenses or gems with an object slide

POLARIZATION

AE.1890 Analyer, in rotatable mount. Not suitable with ZE.1659
 AE.1891 Polarizer in mount. Suitable with ST.1740 and ST.1760
 AE.1892 Retardation plate gypsum 1st order red.
 Suitable with polarizer AE.1891

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, ST.1715 and ST.1740

AE.1896 Stage 145 x 115 mm with central glass object plate and

75 x 50 mm X-Y mechanical stage on ball bearings.
Horizontal coaxial adjustments.
Double Vernier with 0.1 mm graduations.
Only with ST.1740 and ST.1760

AE.1877 Large stage 170 x 155 mm with 100 x 105 mm X-Y mechanical stage on ball bearings.
For ST.1710, ST.1715 and ST.1740

AE.1950 Large 390 x 390 mm stage with 360 x 360 mm X-Y mechanical stage.
Only for ST.1720, ST.1770, ST.1780 and ST.1785

OBJECT STAGES

AE.1884 Round object high-profile table with frosted glass filter.
Interchangeable with dark field ST.1760

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

OBJECT PLATE - ø 94 mm

AE.1880 Acrylic translucide object plate
AE.1881 Glass transparent object plate
AE.1882 Arcylic black/white object plate



ACCESSORIES AND SPARE PARTS

FILTERS - ø 40 mm

AE.1897 Frosted glass filter

AE.1898 Blue filter

OBJECT HOLDER

AE.5446 Orientable clamp for gems.

Interchangeable with object plate clamp

SPARE BULB AND FUSES

SL.1868 30 W 230 V incandescent bulb for ST.1750 stand
 SL.1869 10 W 6 V halogen bulb for ST.1740 illumination
 AE.5252 Fuses for ST.1740 stand. Per 10 pieces

ACCESSORIES

AE.5059 Projection 0.45x objective with C-mount for cameras with 1/2" sensor. To be placed over a 23.2 mm tube of a ZE series photo tube. Optional reticle available

AE.5063 Projection 0.7x objective with C-mount for cameras with 2/3" sensor. To be placed over a 23.2 mm tube of a ZE series photo tube. Optional reticle available

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.5006 Projection 0.6x objective with C-mount

AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
AE.5020 T2 adapter for Nikon D digital SLR cameras

AE.5040 T2 adapter for Canon EOS digital SLR cameras





ZE.1629 and AE.1796



Euromex Microscopen bv • Papenkamp 20 • 6836 BD Arnhem • The Netherlands • T +31 (0) 26 323 22 11 • F +31 (0) 26 323 28 33 • info@euromex.com • www.euromex.com