Leica Zoom Systems

Technical Information

Living up to Life

Leica
MICROSYSTEMS

Leica Z6 APO & Z16 APO, Z6 APO A & Z16 APO A
Technical Data, Performance Characteristics




Zoom system	**Leica Z6 APO**	**Leica Z16 APO**	**Leica Z6 APO A**	**Leica Z16 APO A**
Type	Apochromatic zoom system with central beam path, lead-free	Apochromatic zoom system with central beam path, lead-free	Apochromatic zoom system with central beam path, lead-free, motorized functions	Apochromatic zoom system with central beam path, lead-free, motorized functions
Zoom	6.3:1	16:1	6.3:1, motorized	16:1, motorized
Zoom factor	0.57× – 3.6×	0.57× – 9.2×	0.57× – 3.6×	0.57× – 9.2×
Built-in iris diaphragm	for adjusting the depth of field	for adjusting the depth of field	for adjusting the depth of field, motorized	for adjusting the depth of field, motorized
Switchable approachable positions for repetitive tasks	0.57 / 0.8 / 1 / 1.25 / 1.6 / 2 / 2.5 / 3.2 / 3.6	0.57 / 0.8 / 1 / 1.25 / 1.6 / 2 / 2.5 / 3.2 / 4 / 5 /6.3 / 8 / 9.2	continuously motorized and approachable positions	continuously motorized and approachable positions
Zoom travel speed	–	–	1.6 s for zoom range	2.5 s for zoom range
Visual data with 1× planapochromatic objective / 10× eyepieces / 1.25× Y tube				
Magnification	7.1× – 45×	7.1 – 115×	7.1× – 45×	7.1× – 115×
Resolution	60 – 351 Lp/mm	51 – 336 Lp/mm	60 – 351 Lp/mm	51 – 336 Lp/mm
Visible structural width	8.3 – 1.4 µm	9.8 – 1.49 µm	8.3 – 1.4 µm	9.8 – 1.49 µm
Numerical aperture	0.02 – 0.117nA	0.017 – 0.112nA	0.02 – 0.117nA	0.017 – 0.112nA
Object field ∅	32.3 mm – 5.1 mm	32.3 mm – 2.0 mm	29.5 mm – 4.7 mm	29.5 mm – 1.83 mm
Depth of field (diaphragm open)	3.1 mm – 0.09 mm	3.8 mm – 0.05 mm	3.1 mm – 0.09 mm	3.8 mm – 0.05 mm
Depth of field (diaphragm closed)	18.1 mm – 0.4 mm	18.4 mm – 0.4 mm	18.1 mm – 0.4 mm	18.4 mm – 0.4 mm
Visual data with 2× planapochromatic objective / 40× eyepieces / 1.25× Y tube				
Magnification	57× – 360×	57× – 920×	57× – 360×	57× – 920×
Resolution	120 – 702 Lp/mm	102 – 672 Lp/mm	120 – 702Lp/mm	102 – 672Lp/mm
Visible structural width	4.2 – 0.7 µm	4.9 – 0.74 µm	4.2 – 0.7 µm	4.9 – 0.74 µm
Numerical aperture	0.04 – 0.234nA	0.034 – 0.224nA	0.04 – 0.234nA	0.034 – 0.224nA
Object field ∅	4.2 mm – 0.67 mm	4.2 mm – 0.26 mm	4.2 mm – 0.67 mm	4.2 mm – 0.26 mm
Data with Leica DFC490 digital camera / 1× planapochromatic objective / AS tube / 0.63× video objective				
Magnification Chip: Object	0.36× – 2.3×	0.36× – 5.8×	0.36× – 2.3×	0.36× – 5.8×
Digital resolution*	33.3 – 210 Lp/mm	33.3 – 336 Lp/mm	33.3 – 210 Lp/mm	33.3 – 336Lp/mm
Object field projected onto chip	24.5 mm × 18.4 mm / 3.9 mm × 2.9 mm	24.5 mm × 18.4 mm / 1.5 mm × 1.14 mm	24.5 mm × 18.4 mm / 3.9 mm × 2.9 mm	24.5 mm × 18.4 mm / 1.5 mm × 1.14 mm
Depth of field (diaphragm open)	1.06 mm – 0.03 mm	1.4 mm – 0.03 mm	1.06 mm – 0.03 mm	1.4 mm – 0.03 mm
Depth of field (diaphragm closed)	10.7 mm – 0.26 mm	10.9 mm – 0.3 mm	10.7 mm – 0.26 mm	10.9 mm – 0.3 mm

Optical accessories	**Leica Z6 APO & Z6 APO**	**Leica Z6 APO A & Z16 APO A**
Objectives	– planapochromatic 1×, 2×, 0.8×, 0.5×, 5× – achromatic objectives M series 0.63×, 0.5×, 0.32×, lead-free	– planapochromatic 1×, 2×, 0.8×, 0.5×, 5× – achromatic objectives M series 0.63×, 0.5×, 0.32×, lead-free
Working distance	– 187 mm (planapochromat 0.5×) – 97 mm (planapochromat 1×) – 112 mm (planapochromat 0.8×) – 39 mm (planapochromat 2×) – 19 mm (planapochromat 5.0×)	– 187 mm (planapochromat 0.5×) – 97 mm (planapochromat 1×) – 112 mm (planapochromat 0.8×) – 39 mm (planapochromat 2×) – 19 mm (planapochromat 5.0×)
Objective adapter	– for M series achromats – for HR objectives 10× and 20× – for DM objectives 10× and 20×	– for M series achromats – for HR objectives 10× and 20× – for DM objectives 10× and 20×
HR objectives*	– HR 10×/0.45, working distance 19 mm – HR 20×/0.42, working distance 13 mm	– HR 10×/0.45, working distance 19 mm – HR 20×/0.42, working distance 13 mm
DM objectives*	– DM objective N Plan L 20× /0.40 corr – DM objective N Plan 10× /0.25–/A5.8	– DM objective N Plan L 20× /0.40 corr – DM objective N Plan 10× /0.25–/A5.8
Fine focusing	10-mm path, optional	10-mm path, motorized and integrated
Binocular tubes, ergonomics	– inclined and straight binocular tubes – apochromatic ErgoTube® 10° – 50° with synchronous interpupillary distance adjustment – various ErgoModules® (optional)	– inclined and straight binocular tubes – apochromatic ErgoTube® 10° – 50° with synchronous interpupillary distance adjustment – various ErgoModules® (optional)
	ErgoTube® and ErgoModule® are registered in the United States Patent and Trademark Office	*ErgoTube® and ErgoModule® are registered in the United States Patent and Trademark Office*
Interpupillary distance	55 mm – 75 mm	55 mm – 75 mm
Ergonomic wide-field eyepieces for persons wearing glasses	10×/21, 16×/14, 25×/9.5, 40×/6, distortion-free plug-on eyecups to protect against infections	10×/21, 16×/14, 25×/9.5, 40×/6, distortion-free plug-on eyecups to protect against infections
Electrical Interface		RS232, USB via motorized focus

* suitable for upper zoom range only

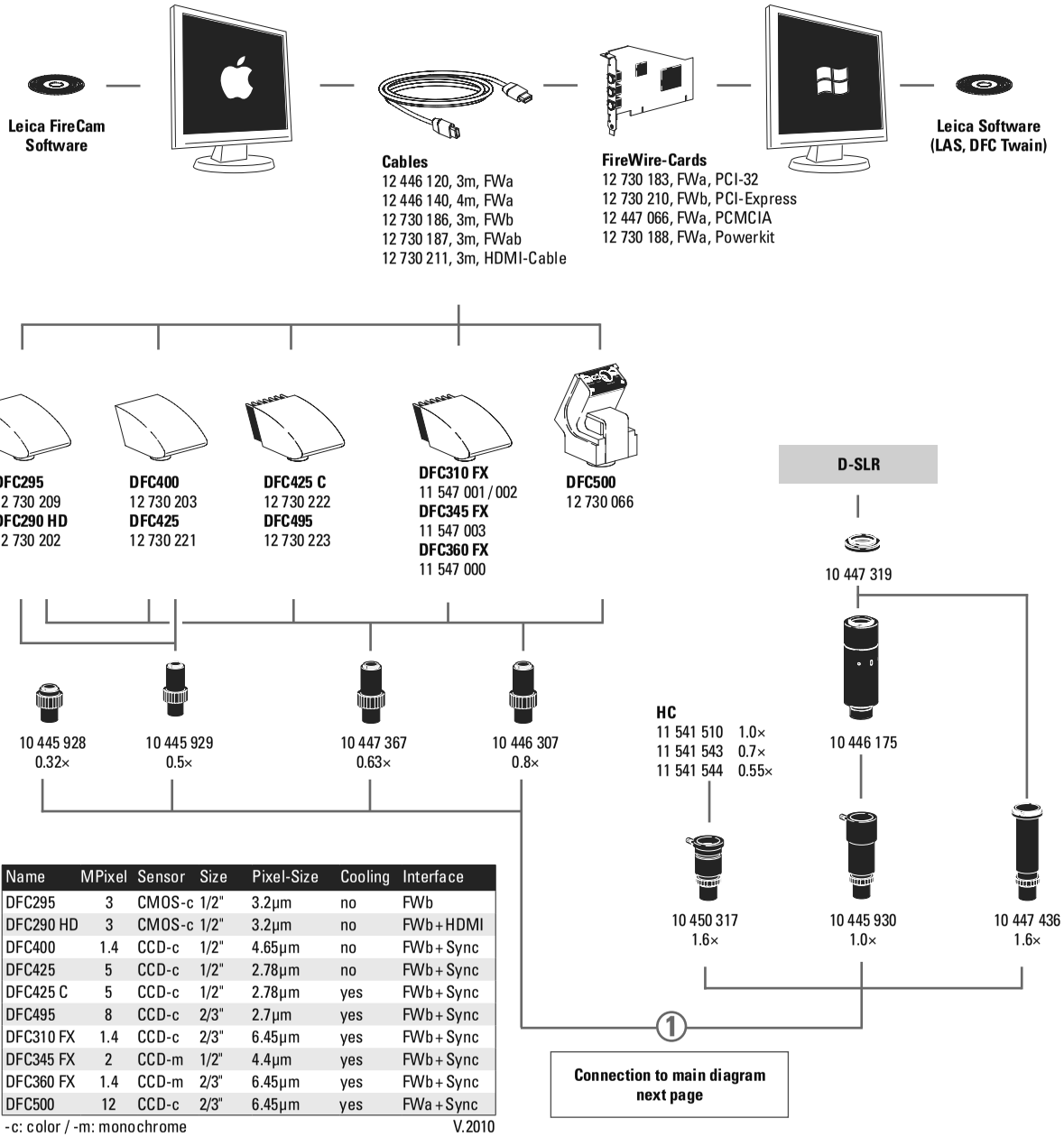
Optical Data – Visual Data with Y Tube 1.25×

Objectives		1× planapochromat		0.5× planapochromat		0.8× planapochromat		2× planapochromat		5× planapochromat	
Working distances		97 mm		187 mm		112 mm		39 mm		20 mm	
Eyepieces	Zoom position	Total mag.	Object field ∅	Total mag.	Object field ∅	Total mag.	Object field ∅	Total mag.	Object field ∅	Total mag.	Object field ∅
		×	mm	×	mm	×	mm	×	mm	×	mm
10×/23B	0.57	7.1	32.3	3.6	64.6	5.7	40.4	14.3	16.1	35.6	6.5
	0.8	10	23.0	5	46.0	8	28.8	20	11.5	50	4.6
	1	12.5	18.4	6.3	36.8	10	23.0	25	9.2	62.5	3.7
	1.25	15.6	14.7	7.8	29.4	12.5	18.4	31.3	7.4	78.1	2.9
	1.6	20	11.5	10	23.0	16	14.4	40	5.8	100	2.3
	2	25	9.2	12.5	18.4	20	11.5	50	4.6	125	1.8
	2.5	31.3	7.4	15.6	14.7	25	9.2	62.5	3.7	156.3	1.5
	3.2	40	5.8	20	11.5	32	7.2	80	2.9	200	1.2
	3.6	45	5.1	22.5	10.2	36	6.4	90	2.6	225	1.0
	4	50	4.6	25	9.2	40	5.8	100	2.3	250	0.9
	5	62.5	3.7	31.3	7.4	50	4.6	125	1.8	312.5	0.7
	6.3	78.8	2.9	39.4	5.8	63	3.7	157.5	1.5	393.8	0.6
	8	100	2.3	50	4.6	80	2.9	200	1.2	500	0.5
	9.2	115	2.0	57.5	4.0	92	2.5	230	1.0	575	0.4
16×/15B	0.57	11.4	21.1	5.7	42.1	9.1	26.3	22.8	10.5	57	4.2
	0.8	16	15.0	8	30.0	12.8	18.8	32	7.5	80	3.0
	1	20	12.0	10	24.0	16	15.0	40	6.0	100	2.4
	1.25	25	9.6	12.5	19.2	20	12.0	50	4.8	125	1.9
	1.6	32	7.5	16	15.0	25.6	9.4	64	3.8	160	1.5
	2	40	6.0	20	12.0	32	7.5	80	3.0	200	1.2
	2.5	50	4.8	25	9.6	40	6.0	100	2.4	250	1.0
	3.2	64	3.8	32	7.5	51.2	4.7	128	1.9	320	0.8
	3.6	72	3.3	36	6.7	57.6	4.2	144	1.7	360	0.7
	4	80	3.0	40	6.0	64	3.8	160	1.5	400	0.6
	5	100	2.4	50	4.8	80	3.0	200	1.2	500	0.5
	6.3	126	1.9	63	3.8	100.8	2.4	252	1.0	630	0.4
	8	160	1.5	80	3.0	128	1.9	320	0.8	800	0.3
	9.2	184	1.3	92	2.6	147.2	1.6	368	0.7	920	0.3
25×/9.5B	0.57	17.8	13.3	8.91	26.7	14.3	16.7	35.6	6.7	89	2.7
	0.8	25	9.5	12.5	19.0	20	11.9	50	4.8	125	1.9
	1	31.3	7.6	15.6	15.2	25	9.5	62.5	3.8	156	1.5
	1.25	39.1	6.1	19.5	12.2	31.3	7.6	78.1	3.0	195	1.2
	1.6	50	4.8	25	9.5	40	5.9	100	2.4	250	1.0
	2	62.5	3.8	31.3	7.6	50	4.8	125	1.9	313	0.8
	2.5	78.1	3.0	39.1	6.1	62.5	3.8	156	1.5	391	0.6
	3.2	100	2.4	50	4.8	80	3.0	200	1.2	500	0.5
	3.6	113	2.1	56.3	4.2	90	2.6	225	1.1	562	0.4
	4	125	1.9	62.5	3.8	100	2.4	250	1.0	625	0.4
	5	156	1.5	78.1	3.4	125	1.9	313	0.8	781	0.3
	6.3	197	1.2	98.4	2.4	158	1.5	394	0.6	984	0.2
	8	250	1.0	125	1.9	200	1.2	500	0.5	1250	0.2
	9.2	288	0.8	144	1.6	230	1.0	575	0.4	1438	0.2
40×/6B	0.57	28.5	8.4	14.3	16.8	22.8	10.5	57	4.2	143	1.7
	0.8	40	6.0	20	12.0	32	7.5	80	3.0	200	1.2
	1	50	4.8	25	9.6	40	6.0	100	2.4	250	1.0
	1.25	62.5	3.8	31.3	7.7	50	4.8	125	1.9	313	0.8
	1.6	80	3.0	40	6.0	64	3.8	160	1.5	400	0.6
	2	100	2.4	50	4.8	80	3.0	200	1.2	500	0.5
	2.5	125	1.9	62.5	3.8	100	2.4	250	1.0	625	0.4
	3.2	160	1.5	80	3.0	128	1.9	320	0.8	800	0.3
	3.6	180	1.3	90	2.7	144	1.7	360	0.7	900	0.3
	4	200	1.2	100	2.4	160	1.5	400	0.6	1000	0.2
	5	250	1.0	125	1.9	200	1.2	500	0.5	1250	0.2
	6.3	315	0.8	158	1.5	252	1.0	630	0.4	1575	0.2
	8	400	0.6	200	1.2	320	0.8	800	0.3	2000	0.1
	9.2	460	0.5	230	1.0	368	0.7	920	0.3	2300	0.1

Z6 APO / Z6 APO A: Zoom 0.57× – 3.6×
Z16 APO / Z16 APO A: Zoom 0.57× – 9.2×

Major User Segments

General	
Documentation	– Parallax-free precise imaging – Ideal for multi-focus applications
Polarization	– Axial imaging for true polarization colors
Measuring, analysis	– Parallax-free precise imaging
Technology, industry	
OEM	Checking the production flow, detection of position and orientation
Semiconductor industry	– Testing, checking, sorting semiconductor components – Inspecting gallium arsenide wafers (GaAs)
Microelectronics	Inspecting flex circuits and inkjet print heads
Fiber optic cable technology	– Aligning fiber optic cables – Inspecting laser diodes
Measuring and test facilities	Materials testing and measuring, placement of test probes
Metalworking industry	Quality control, testing metallographic specimens, documentation
Plastics industry	– Structural examinations of thin sections – Polarization-optical testing
Gemology	Inspection and classification of diamonds and gemstones
Implants	Control of coated stents (vascular supports) and catheters
Criminology	Sorting and documentation of trace materials such as fibers, human and animal hair, ammunition and documents (counterfeit). Documentation of impressions.
Natural science, life science	
Biology	Examination and documentation of illnesses, pests and ecological damages to plants
Geology	Testing petrological thin sections in polarized light
Medicine	Examination and documentation of histological thin sections
Education, training	Observing and demonstrating processes
Entomology	Documentation of beetles and insects
Pathology	Documenting organs



Name	MPixel	Sensor	Size	Pixel-Size	Cooling	Interface
DFC295	3	CMOS-c	1/2"	3.2µm	no	FWb
DFC290 HD	3	CMOS-c	1/2"	3.2µm	no	FWb+HDMI
DFC400	1.4	CCD-c	1/2"	4.65µm	no	FWb+Sync
DFC425	5	CCD-c	1/2"	2.78µm	no	FWb+Sync
DFC425 C	5	CCD-c	1/2"	2.78µm	yes	FWb+Sync
DFC495	8	CCD-c	2/3"	2.7µm	yes	FWb+Sync
DFC310 FX	1.4	CCD-c	2/3"	6.45µm	yes	FWb+Sync
DFC345 FX	2	CCD-m	1/2"	4.4µm	yes	FWb+Sync
DFC360 FX	1.4	CCD-m	2/3"	6.45µm	yes	FWb+Sync
DFC500	12	CCD-c	2/3"	6.45µm	yes	FWa+Sync

-c: color / -m: monochrome V.2010

ARTICLE DESCRIPTIONS

Digital camera systems

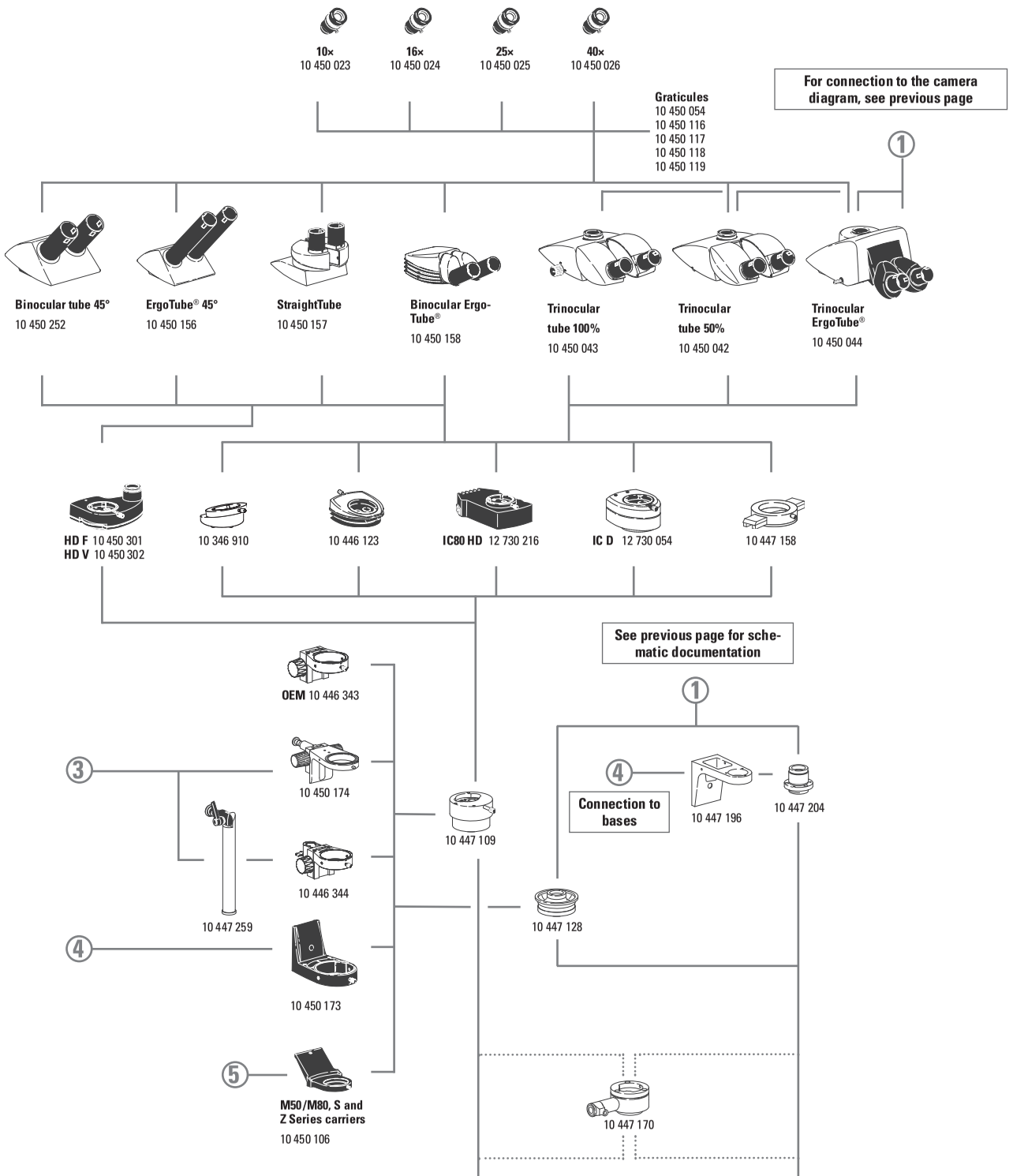
12 730 209	Leica DFC295 camera kit
12 730 202	Leica DFC290 HD camera kit*
12 730 203	Leica DFC400 camera kit*
12 730 221	Leica DFC425 camera kit*
12 730 221	Leica DFC425 C camera kit*
12 730 223	Leica DFC495 camera kit*
11 547 001	Leica DFC310 FX camera kit for Mac
11 547 002	Leica DFC310 FX camera kit for PC
11 547 003	Leica DFC345 FX camera kit*
11 547 000	Leica DFC360 FX camera kit
12 730 066	Leica DFC500 camera kit
12 730 216	Leica IC80 HD camera (incl. USB cable and LAS EZ software)
12 730 228	Stand-alone kit (power pack, video cable, HDMI-cable, SD card, HD RC remote control)
12 730 229	Palm or foot switch with 2m cable
	*no Mac-Support

Digital camera system accessories

12 446 120	FireWire cable, FWa, 3m, 6-pin to 6-pin
12 446 140	FireWire cable, FWa, 4m, 6-pin to 6-pin
12 730 186	FireWire cable, 3m, FWb, 9-pin to 9-pin
12 730 187	FireWire cable, FWab, 3m, 6-pin to 9-pin
12 730 211	HDMI cable, 3m, HDMI both ends
12 730 183	OHCI FireWire PCI32 card, FWa
12 730 225	PowerKit for DFC290 HD
12 730 210	OHCI FireWire PCI express card, FWb
12 447 066	Laptop PCMCIA FireWire interface card for FWa
12 730 188	Laptop power kit, for use with 4-pin or unpowered 6-pin FireWire ports

Photo tubes and C-mounts

10 447 319	Adapter T2, Canon EOS
10 447 436	DSLR-tube with T2 thread
10 446 175	SLR projection lens 2.5, for reflex cameras with T2 thread singlelens reflex cameras on video/photo tubes
10 445 928	0.32× video objective with C-mount for 1/3" digital cameras
10 445 929	0.5× video objective with C-mount for 1/2" digital cameras
10 447 367	0.63× video objective with C-mount for 2/3" digital cameras
10 446 307	0.8× video objective with C-mount for 2/3" digital cameras
10 445 930	1.0× video/photo objective
10 450 317	C-mount-adapter for HC



ARTICLE DESCRIPTIONS

Eyepieces and graticules

10 450 023 Wide-field eyepieces for persons wearing glasses 10×/23, distortion-free, dioptric correction, with eyecups* – can lead to vignetting when used with other accessories, such as ergonomic or documentation tubes.
Remedy: Use ErgoTube 45° or 16× eyepieces

10 450 024 Wide-field eyepieces for persons wearing glasses 16×/15, distortion-free, dioptric correction, with eyecups*

10 450 025 Wide-field eyepieces for eyeglass wearers 25×/9.5, distortion-free, dioptric correction, with eyecups*

10 450 026 Wide-field eyepieces for eyeglass wearers 40×/6, distortion-free, dioptric correction, with eyecups*
* replaceable

10 450 196 Replacement eyecups for wide-field eyepieces for persons wearing glasses (not shown)

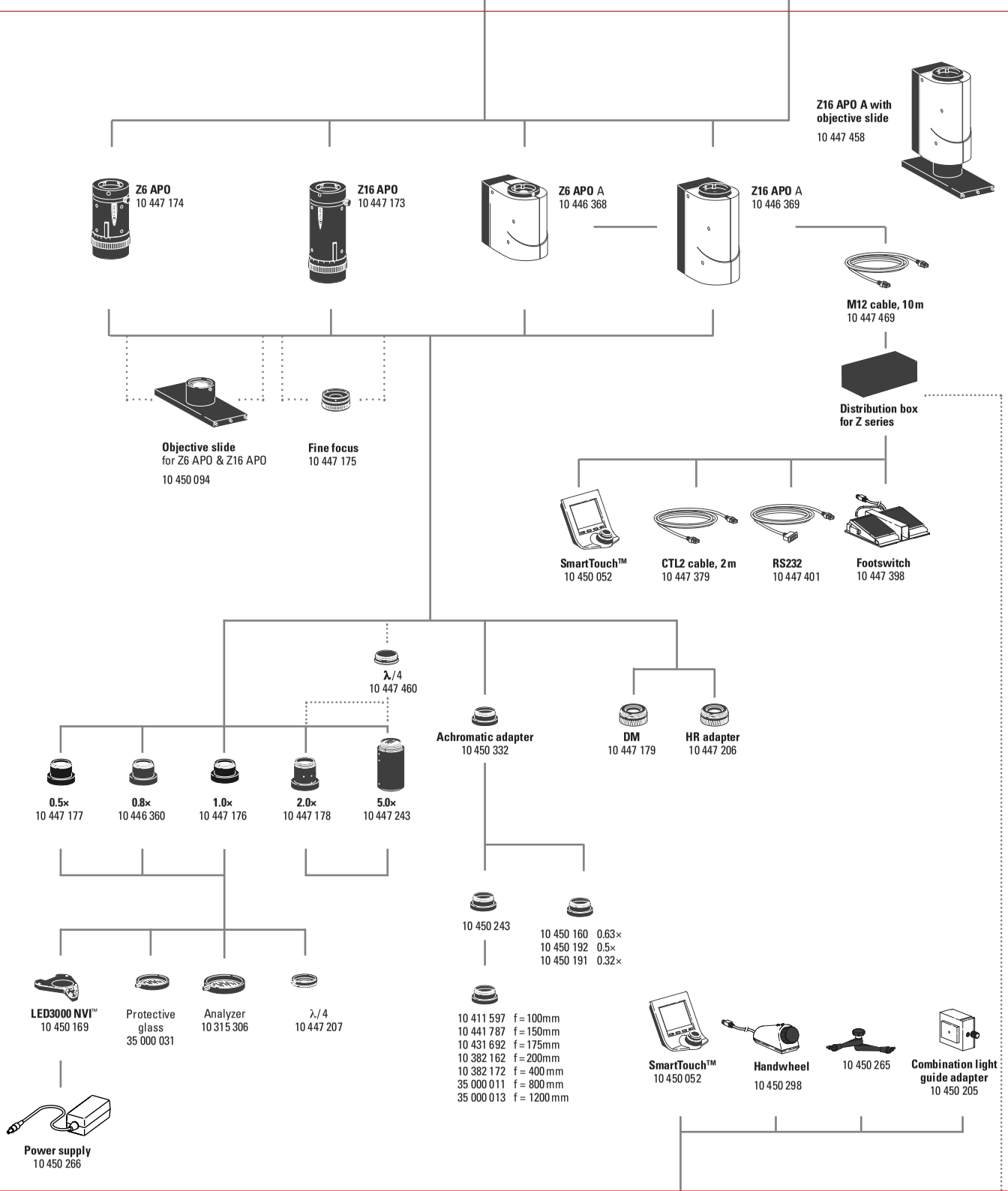
10 450 054 Graticule for encoded M series
10 450 116 Graticule, 5 mm/0.05 mm
10 450 117 Graticule, 10 mm/0.1 mm
10 450 118 Graticule, 100 Div./0.001
10 450 119 Graticule, crosshair

Tubes, ergonomics and integrated camera modules

10 450 252 Inclined binocular tube, 45° viewing angle
10 450 156 Binocular ErgoTube® with 45° viewing angle and long tubes, extension factor 1.6×
10 450 157 Straight binocular tube with 90° viewing angle
10 450 158 Binocular ErgoTube® with variable viewing angle 10°– 50°
10 450 042 Trinocular video-/phototube 50%, 30° viewing angle
10 450 043 Trinocular video-/phototube 100%, 30° viewing angle
10 450 044 Trinocular video-/phototube 100%, 5°–45° viewing angle
10 446 123 ErgoWedge® 5° – 25° (not to be used with trinocular tubes)
10 346 910 ErgoWedge® ±15 (not to be used with trinocular tubes)
10 450 301 Video-/phototube HD F, 50%, 50%
10 450 302 Video-/phototube HD V, 100%, 50%, 50%, 100%
12 730 216 Leica IC80 HD camera kit
12 730 054 Leica IC D camera kit
10 447 158 Filter slide housing with 2 filter slides

Microscope carriers and accessories

10 446 343 Focusing arm for probers
10 450 174 Tiltable focusing arm
10 446 344 Focusing arm for columns ∅ 25mm to bonders
10 447 259 Photo column, inclinable, ∅ 25 mm
10 450 173 Microscope carrier for focusing drive 10 450 217
10 450 106 Microscope carrier, compatible with M50/M80, S and Z series
10 447 109 Y tube for tubes of the Leica M series, tube factor 1.25×, light distribution 50/50
10 447 128 A tube
10 447 196 Carrier to AS tube at focusing drive
10 447 204 AS tube
10 447 170 Coaxial incident light housing for fiber-optic light



Zoom systems and accessories

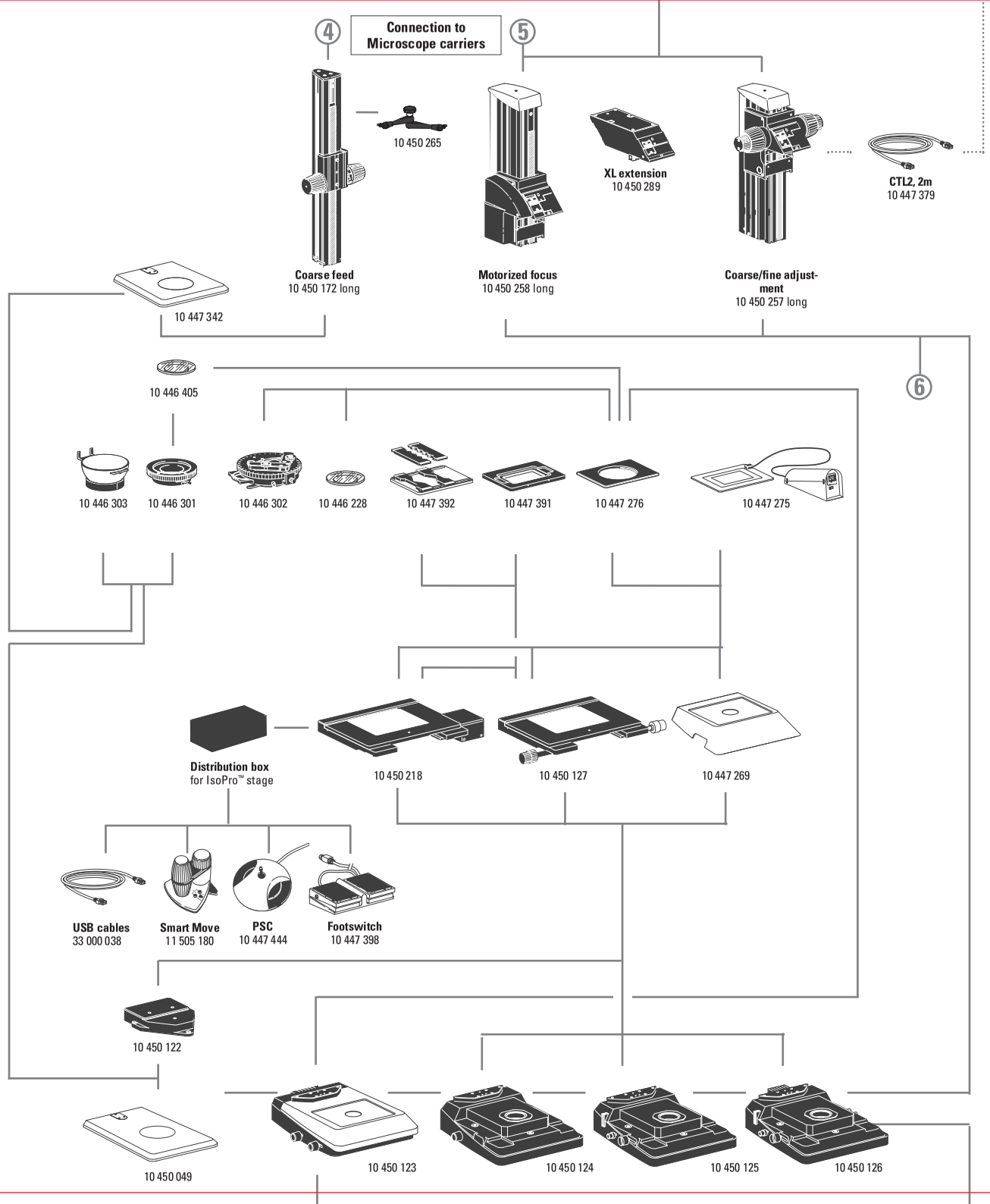
10 447 174	Leica Z6 APO 6.3:1 apochromatic zoom system
10 447 173	Leica Z16 APO 16:1 apochromatic zoom system
10 446 368	Leica Z6 APO A 6.3:1 motorized zoom system, apochromatic, with distribution box and M12 cable
10 446 369	Leica Z16 APO A 16:1 motorized zoom system, apochromatic, with distribution box and M12 cable
10 447 458	Z16 APO A with objective slide
10 450 094	Objective slide with quarter-wave plate for Z6 APO / Z16 APO (please order objectives separately)
10 450 138	Objective slide for Z6 APO / Z16 APO (please order objectives separately)

Objectives and optical accessories

10 447 175	Fine focusing (for Z6 APO / Z16 APO only), 10 mm travel distance
10 447 177	0.5× planapochromatic objective
10 446 360	0.8× planapochromatic objective
10 447 176	1× planapochromatic objective
10 447 178	2× planapochromatic objective
10 447 243	Planapochromatic objective 5×
10 450 332	Adapter for M series achromatic objectives
10 450 191	0.32× achromatic objective
10 450 192	0.5× achromatic objective
10 450 160	0.63× achromatic objective
10 450 243	Adapter for LWD achromatic objectives
10 411 597	Achromatic objective f = 100 mm
10 441 787	Achromatic objective f = 150 mm
10 431 692	Achromatic objective f = 175 mm
10 382 162	Achromatic objective f = 200 mm
10 382 172	Achromatic objective f = 400 mm
35 000 011	Achromatic objective f = 800 mm
35 000 013	Achromatic objective f = 1200 mm
10 447 206	Adapter HR objectives to Z6 / Z16
10 447 179	Adapter DM objectives to Z6 / Z16
11 506 057	DM objective N plan L 20×/0.40 corr *
11 506 084	DM objective N plan 10×/0.25 -/A5.8 *

*strong vignetting in the lower zoom range

10 450 169	LED3000 NVI™ – vertical illumination for M50/M80 for using objectives with major diameter 58 mm
10 450 266	Power supply unit for LED3000 / LED5000
35 000 031	Protective glass for planapochromatic objectives
10 315 306	Analyzer in rotating mount
10 447 207	Quarter-wave plate, ∅ 58 mm
10 447 460	Quarter-wave plate for 2.0× and 5.0×



Incident- and transmitted- light bases

10 447 342 Incident-light base medium
10 450 049 Incident-light base large

10 450 123 Transmitted-light base TL ST
10 450 124 Transmitted-light base BFDF
10 450 125 Transmitted-light base TL RC™ for external cold light sources
10 450 126 Transmitted-light base TL RCI™ with integrated halogen illumination

Stages

10 447 269 Standard stage for TL BFDF, TL RC™ and TL RCI™
10 450 127 Leica IsoPro™ manual mechanical stage for TL BFDF, TL RC™, TL RCI™ transmitted-light bases and incident-light base (with adapter 10 450 122)
10 450 218 Leica IsoPro™ motorized mechanical stage for TL BFDF, TL RC™, TL RCI™ transmitted-light bases and incident-light base (with adapter 10 450 122)
10 450 122 Adapter between mechanical stage and incident-light base 10 450 049

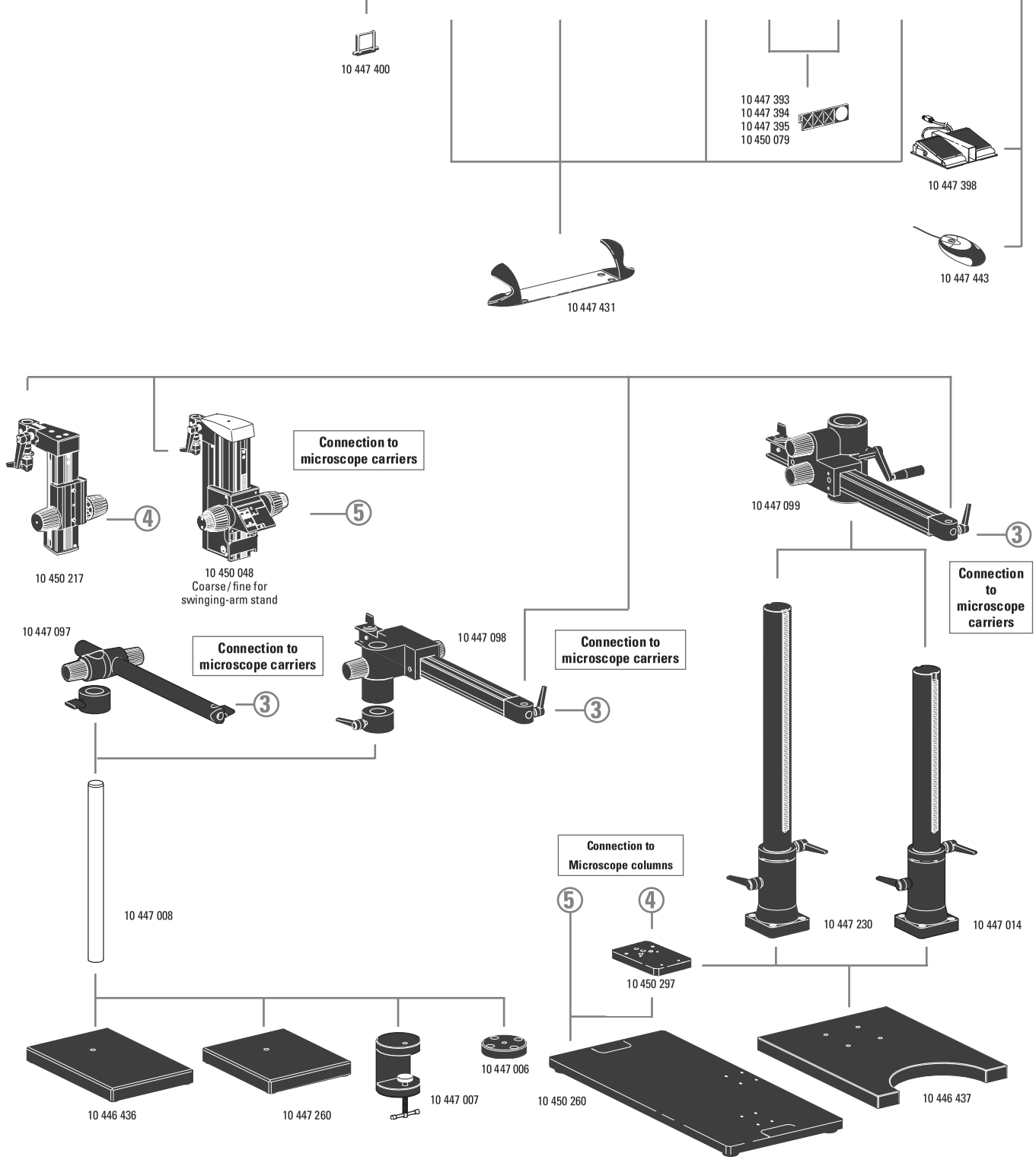
10 447 275 Leica MATS TL heating stage insert with control unit for TL transmitted-light bases
10 447 276 Adapter for stages with ∅120 mm
10 447 391 Stage for LifeOnStage accessories
10 447 392 Universal carrier for Petri dishes, specimen slides (up to four) etc.

10 446 301 Gliding stage, ∅120 mm
10 446 302 Polarization stage, ∅120 mm
10 382 130 Attachable mechanical stage for polarization stage
10 361 719 Sensitive-tint plate for Pol rotating stage
10 446 303 Cup stage, ∅120 mm
10 446 228 Glass stage plate with Pol, ∅120 mm
10 450 058 Stage plate, b/w for TL bases
10 450 059 Replacement knobs for IsoProTM manual mechanical stage

Focusing drives

10 450 172 Coarse focusing drive with profile column 500 mm
10 450 257 Focusing drive, coarse/fine, with 620 mm profile column
10 450 258 Motorized focus with profile column 620 mm

10 450 289 XL extension – for viewing large specimens
10 450 265 Arm for fastening LED spotlights
10 450 205 Combination light guide adapter for installation on the focusing column
10 447 369 CTL2 cable, 2 m



Filters

10 447 400	Daylight filter for TL ST base
10 447 394	BG38 filter for TL RC™/ RCI™ transmitted-light base
10 447 395	UV filter for TL RC™/ RCI™ RCI™ base
10 447 393	ND filter (neutral density filter) for TL RC™/ RCI™ base
10 450 079	Daylight filter for TL RCI™ base

Controls

10 447 443	Leica USB mouse, freely programmable, five-button mouse for connection to TL RCI™ transmitted-light base or PC
11 505 180	Leica SmartMove control unit for Leica IsoPro™ motorized mechanical stage
10 447 444	Leica PSC control unit for Leica IsoPro™ motorized mechanical stage
10 450 052	SmartTouch™, external control unit with integr. touchscreen for status control and control of all settings and functions
10 450 298	Manual controller for motorized focus
33 000 038	USB cables

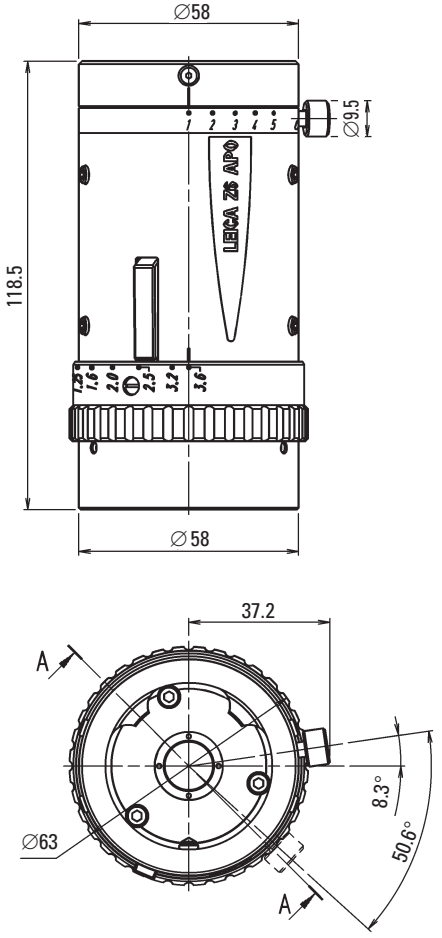
Ergonomic accessories

10 447 431	Leica ErgoRest (handrest for fatigue-free work)

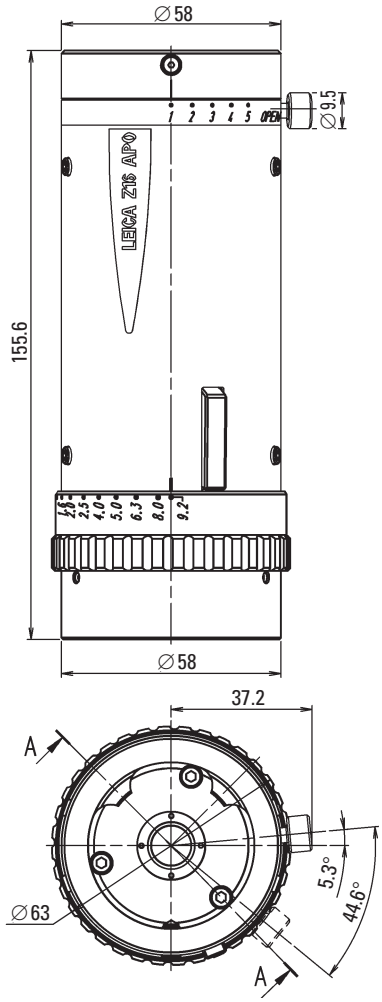
Swiveling arm stands

10 447 260	Baseplate, small
10 446 436	Baseplate, medium
10 447 008	Vertical column 470 / 35 mm
10 447 097	Horizontal arm ESD
10 447 098	Horizontal arm standard
10 447 006	Flange
10 447 007	Stage clamp
10 446 437	Baseplate, large
10 447 230	Vertical column 800 / 57 mm
10 447 014	Vertical column 560 / 57 mm
10 447 099	Horizontal arm, large
10 450 217	Focusing drive with inclinable column
10 450 048	Focusing drive coarse/fine for swiveling arm stand
10 450 260	Universal plate XL for specimens up to 300 × 300 mm
10 450 297	Adapter for universal plate 10 450 260 for all swinging-arm columns

Leica Z6 APO & Z16 APO
Dimensions of Zoom System, Coaxial Incident Light Housing

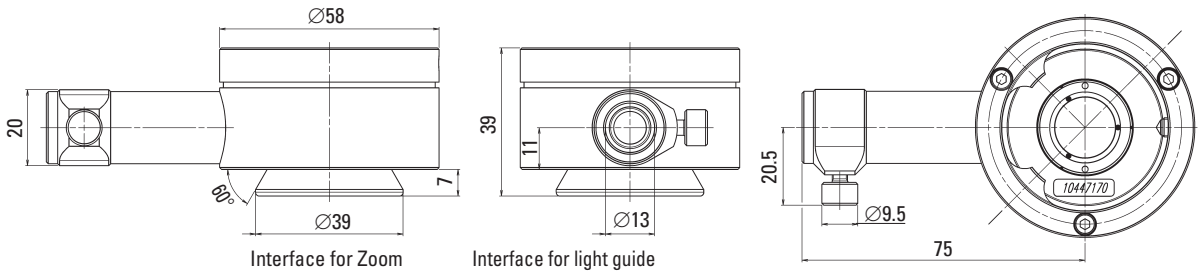


Leica Z6 APO

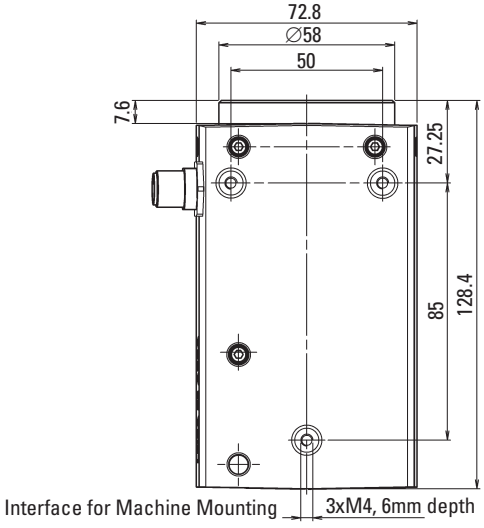


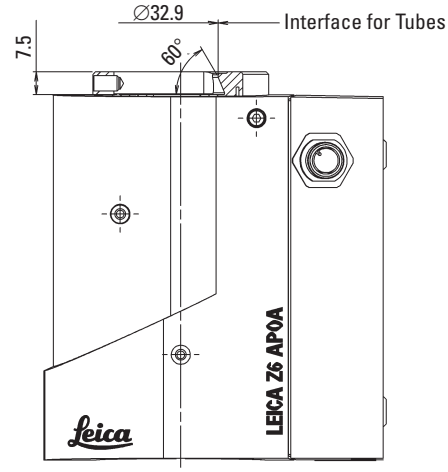
Leica Z16 APO

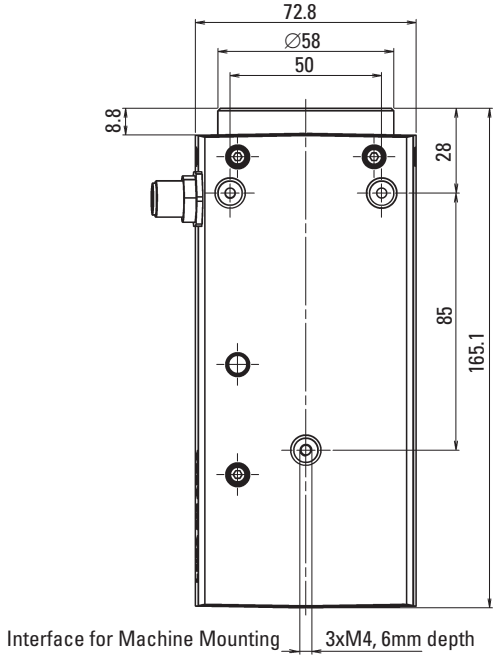
Coaxial incident light housing

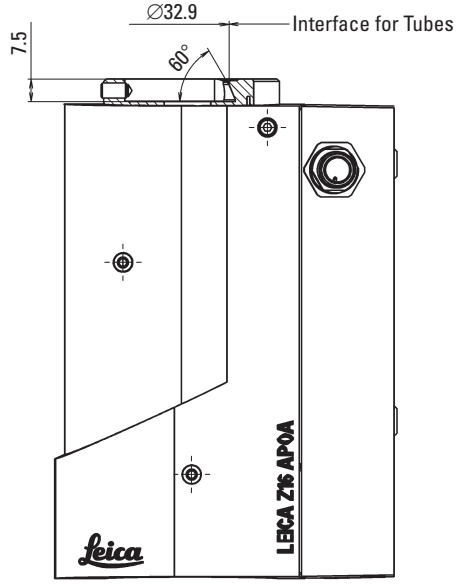


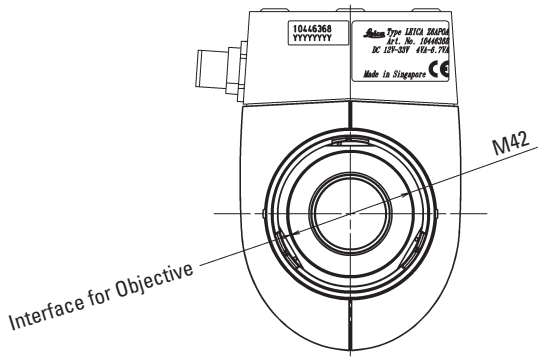
Leica Z6 APO A & Z16 APO A
Dimensions of Zoom System

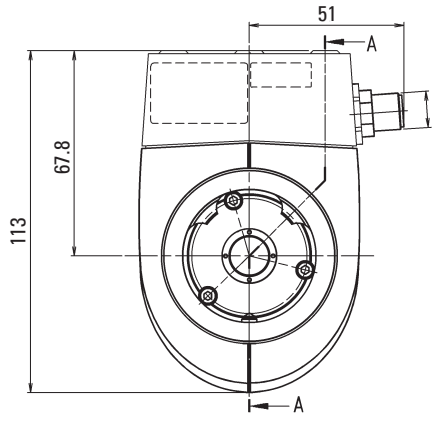




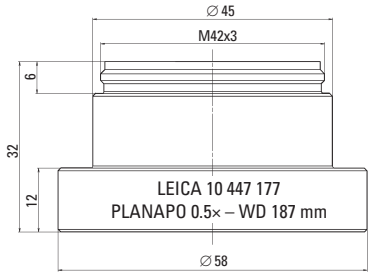


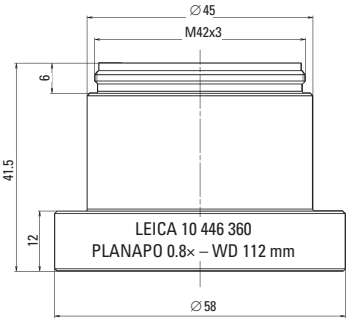


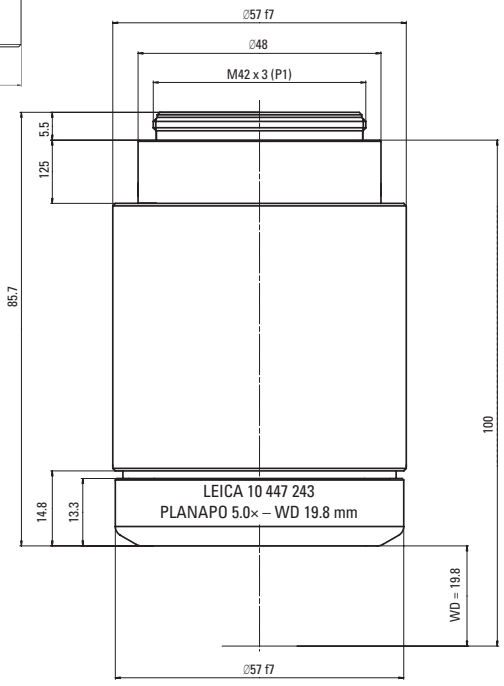


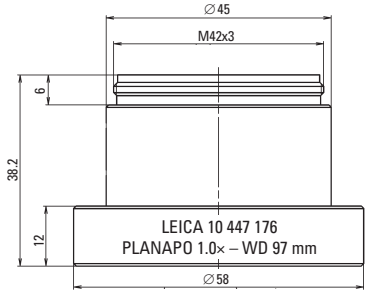


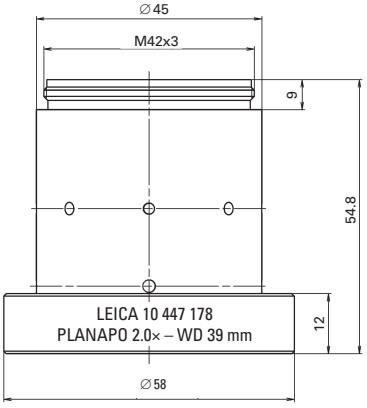
Dimensions of Objectives, Adapters

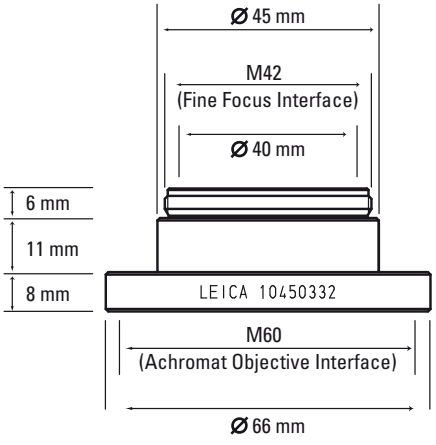




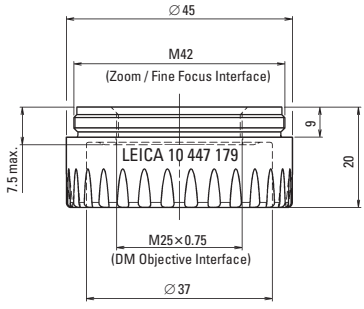






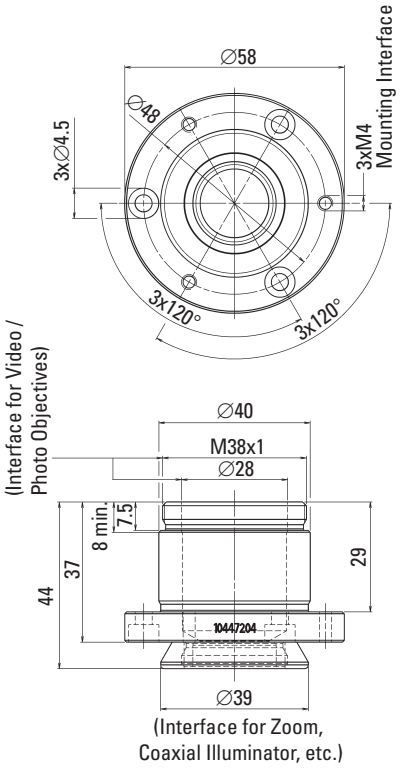


Adapters for achromatic objectives

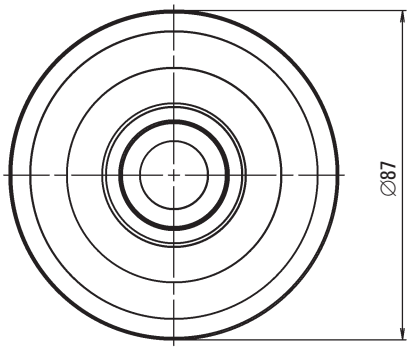


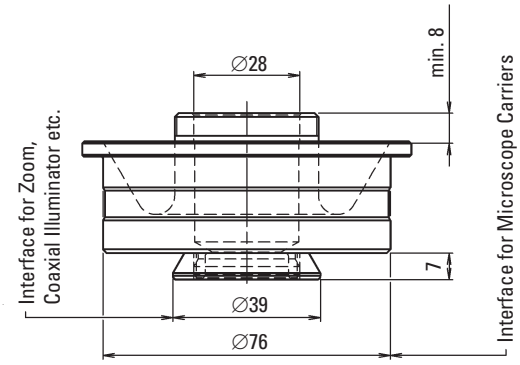
Adapters for DM objectives

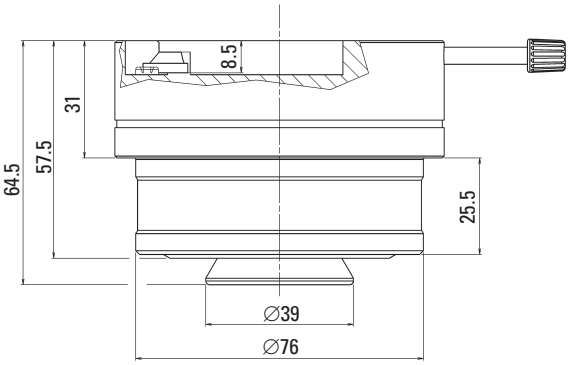
Dimensions of Tubes

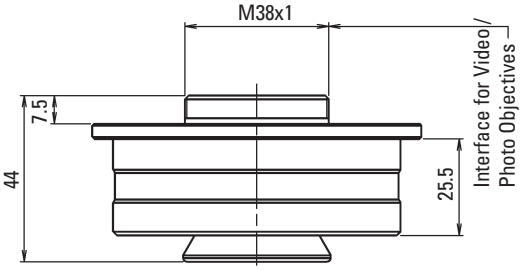


AS tube

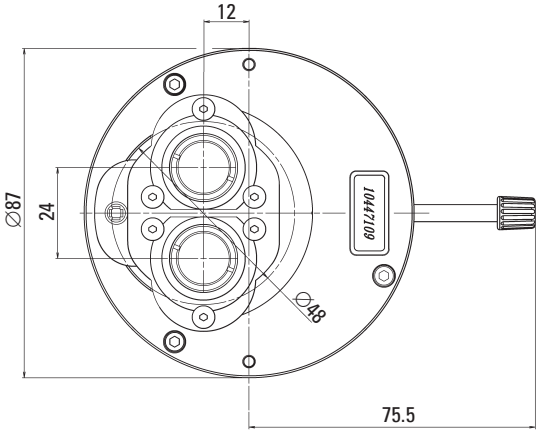








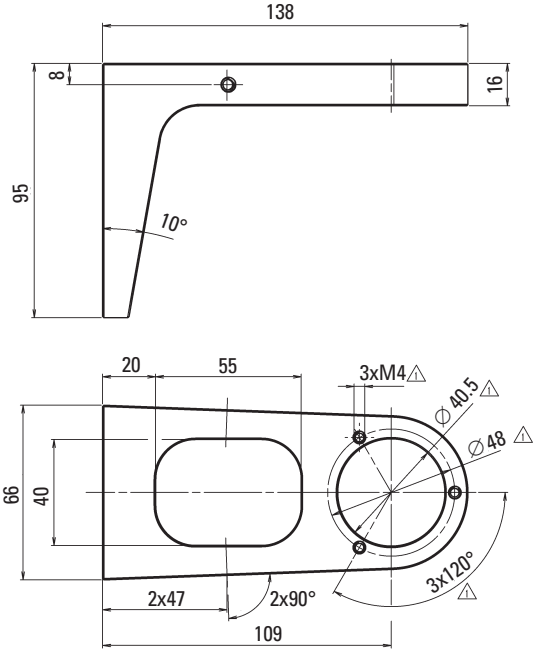
A tube

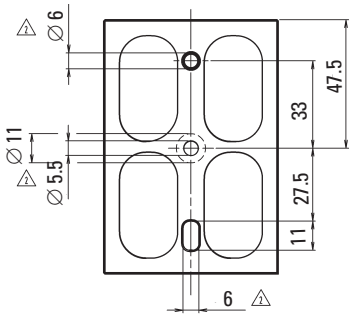


Y tube

Dimensions of Carriers

Carrier for AS tube

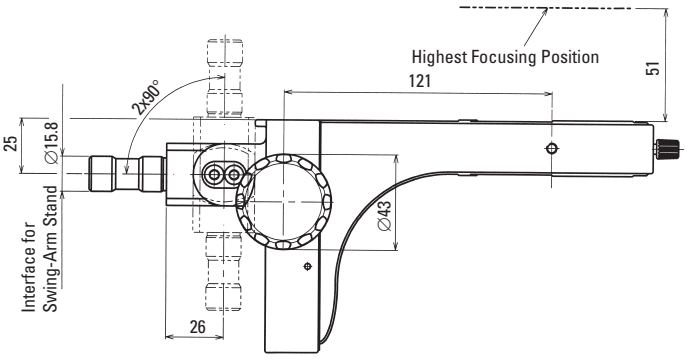


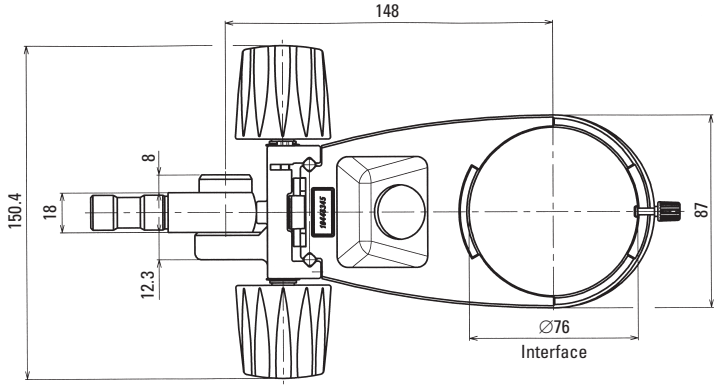


△ Interface for CMO Focus Drivers

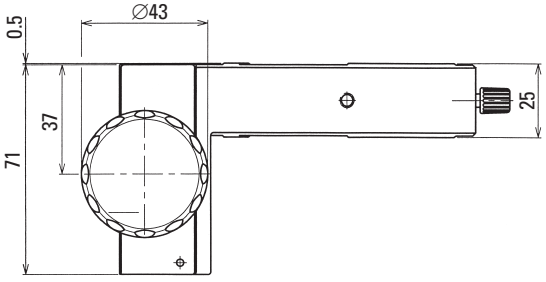
△ Interface for AS Tube 10447204

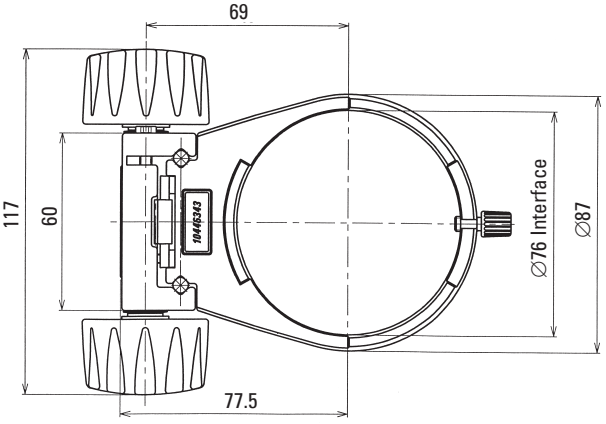
Tiltable focusing arm





Focusing arm for probers





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