Leica StereoZoom®

Technical information

Leica
MICROSYSTEMS

www.stereozoom.com

Accessories

Stands, illuminators	
Incident-light stands	Antistatic and Terminator
Focusing drives	Coarse, fine, tiltable for OEM applications (bonders), adjustable ease of movement
Focusing range	135mm
Microscope carrier	Optics carrier 360° rotatable
Swingarm stand	Antistatic
FlexArm	For fitting to bench or wall
Transmitted-light stands	Sub base for incident-light stand, with movable mirror for inclined illumination; transmitted-light stands for bright field and for bright/dark field; high-performance base
Stages	Gliding stage, cup stage, polarizer on glass stage plate
Illuminations	Leica L2 antistatic cold-light source for linking to stand; various fibre-optic light guides; accessories for coaxial, vertical and transmitted light, Nicholas, Leica LED1000 (Laser-Emitting-Diode illumination), Leica L5 FL fluorescent system

Accessories

Measuring graticules	For measuring lengths and crosshair, inch and mm
Image rotator for S4 E and S6 models	Vertical/oblique observation all-round 45° bird's-eye view from abovet
Protective glass for objective	Protects against dirt and damage
Digital imaging Systems (S6 D/S8 APO)	Divers Leica Digital cameras
Image archiving and processing software	Leica Image Manager, Leica QWin, FW4000, Materials Workstation
Video (S6 D/S8 APO)	Divers video objectives and adapters for commercial CCD cameras
Microphoto systems (S6 D/S8 APO)	Leica MPS30 and MPS60, fully automatic, with Databack
SLR camera system (S6 D/S8 APO)	Ricoh XR-X3000D reflex camera with Databack

Link into the future: www.stereozoom.com

Technical data, performance features

Only the Leica StereoZoom® line offers

StereoZoom®	Leica S4 E	Leica S6
Optical system	12°-Greenough, using best-corrected (central) part of objectives	12°-Greenough, using best-corrected (central) part of objectives
Zoom	4.8:1	6.3:1
Viewing angle	38°	60°
ESD protection	antistatic	antistatic
Specific surface resistivity	2×10^{11} ohm/square, discharge time from 1000V to 100V: <2 sec	2×10^{11} ohm/square, discharge time from 1000V to 100V: <2 sec
Magnification range (basic outfit)	6.3×–30×	6.3×–40×
Maximum resolution	372lp/mm	432lp/mm
Maximum numerical aperture	0.124	0.144
Working distance (basic outfit)	110mm	110mm
Field diameter (basic outfit)	36.5mm	36.5mm
Adjustable zoom stops	2	2
Video-/photo outlet, switchable		
Photography with coaxial lighting		
Objectives, lead-free	Achromats 0.32×, 0.5×, 0.63×, 0.75×, 1.6×, 2×	Achromats 0.32×, 0.5×, 0.63×, 0.75×, 1.6×, 2×
ErgoObjectives™	0.6×–0.75×/77–137mm 0.7×–1×/48–98mm	0.6×–0.75×/77–137mm 0.7×–1×/48–98mm
Adjustable objective	0.3×–0.4×/200–350mm	0.3×–0.4×/200–350mm
Ergonomic eyepieces, fixed and adjustable with cups	10×/23, 16×/16, 20×/12	10×/23, 16×/16, 20×/12
Ergonomic eyepieces fixed and adjustable for eyeglass wearers, with cups	10×/23, 16×/15, 25×/9.5, 40×/6	10×/23, 16×/15, 25×/9.5, 40×/6
Eyebase	55–75mm	55–75mm

StereoZoom® is a trademark registered in the Principal Register of the US Patent and Trademark Office.

Leica S6 E	Leica S6 T	Leica S6 D	Leica S8 APO
12°-Greenough, using best-corrected (central) part of objectives	12°-Greenough, using best-corrected (central) part of objectives	12°-Greenough, using best-corrected (central) part of objectives	apochromatic, 12°-Greenough, using best-corrected (central) part of objectives
6.3:1	6.3:1	6.3:1	8:1, apochromatic
38°	38°	38°	38°
antistatic	Terminator, conductive	antistatic	antistatic
2×10^{11} ohm/square, discharge time from 1000V to 100V: <2 sec	10^{2}-10^{6} ohm/square, discharge time from 1000V to zero: <0.1 sec	2×10^{11} ohm/square, discharge time from 1000V to 100V: <2 sec	2×10^{11} ohm/square, discharge time from 1000V to 100V: <2 sec
6.3×–40×	6.3×–40×	6.3×–40×	10×–80×
432lp/mm	432lp/mm	432lp/mm	600lp/mm
0.144	0.144	0.144	0.2
110mm	110mm	110mm	75mm
36.5mm	36.5mm	36.5mm	23mm
2	2	2	
		100% visual or 100% video/photo and 100% visual in left eyepiece	100% visual or 100% video/photo and 100% visual in left eyepiece
		yes	yes
Achromats 0.32×, 0.5×, 0.63×, 0.75×, 1.6×, 2×	Achromats 0.32×, 0.5×, 0.63×, 0.75×, 1.6×, 2×	Achromats 0.32×, 0.5×, 0.63×, 0.75×, 1.6×, 2×	Apochromats 0.63×, 1.6×, 2× Achromat 0.32×
0.6×–0.75×/77–137mm 0.7×–1×/48–98mm	0.6×–0.75×/77–137mm 0.7×–1×/48–98mm	0.6×–0.75×/77–137mm 0.7×–1×/48–98mm	
0.3×–0.4×/200–350mm	0.3×–0.4×/200–350mm	0.3×–0.4×/200–350mm	
10×/23, 16×/16, 20×/12	10×/23, 16×/16, 20×/12	10×/23, 16×/16, 20×/12	10×/23, 16×/16, 20×/12
10×/23, 16×/15, 25×/9.5, 40×/6	10×/23, 16×/15, 25×/9.5, 40×/6	10×/23, 16×/15, 25×/9.5, 40×/6	10×/23, 16×/15, 25×/9.5, 40×/6
55–75mm	55–75mm	55–75mm	55–75mm

Your Line of Sight

Leica S8 APO

Leica S6 D

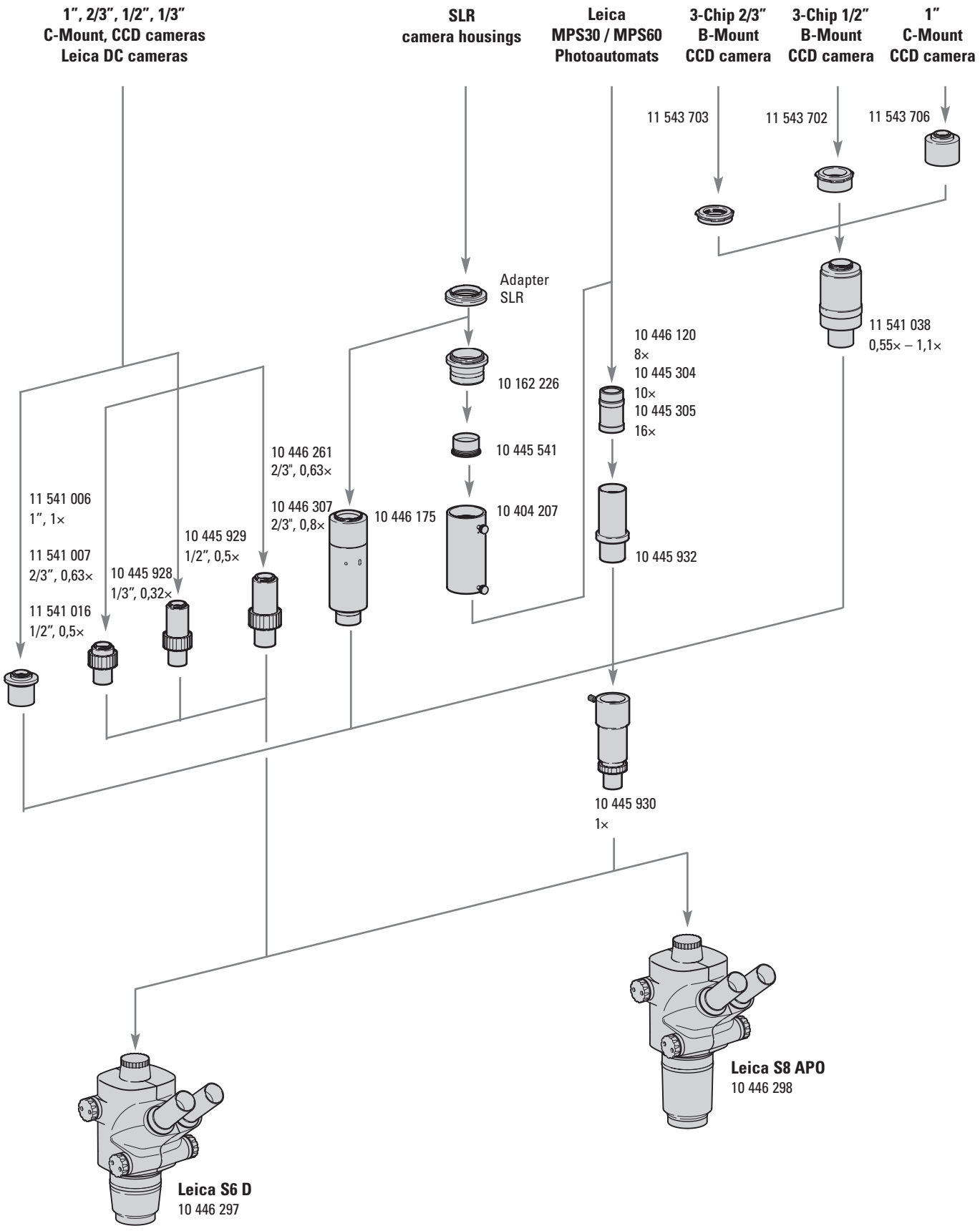
Leica S6 T

Leica S6

Leica S6 E

Leica S4 E

System diagram Imaging



Catalogue references

Stereomicroscopes	
10 446 293	Leica S4 E StereoZoom® 0.63×–3×, zoom range 4.8:1, 38° viewing angle
10 446 294	Leica S6 E StereoZoom® 0.63×–4×, zoom range 6.3:1, 38° viewing angle
10 446 295	Leica S6 StereoZoom® 0.63×–4×, zoom range 6.3:1, 60° viewing angle
10 446 296	Leica S6 T StereoZoom® 0.63×–4×, conductive, zoom range 6.3:1, 38° viewing angle
10 446 297	Leica S6 D Stereozoom® 0.63×–4×, zoom range 6.3:1, viewing angle 38°, video/photo tube
10 446 298	Leica S8 APO Stereozoom® 1×–8× with apochromatically corrected zoom optics, zoom range 8:1, viewing angle 38°, video/photo tube
Eyepieces, standard	
10 446 332	Eyepiece 10×/23
10 446 333	Eyepiece 10×/23, adjustable*
10 446 354	Eyepiece 16×/16
10 446 355	Eyepiece 16×/16, adjustable*
10 446 356	Eyepiece 20×/12
10 446 357	Eyepiece 20×/12, adjustable*
10 446 326	Eyepiece 10×/23B f/eyeglasses
10 446 329	Eyepiece 10×/23B adjust. f/eyeglasses*
10 447 059	Eyecups, one pair
Eyepieces, ergonomic	
	Eyecups included
10 447 130	Eyepiece 10×/23, fixed
10 447 132	Eyepiece 16×/16, fixed
10 447 134	Eyepiece 20×/12, fixed
10 447 131	Eyepiece 10×/23, adjustable
10 447 133	Eyepiece 16×/16, adjustable
10 447 135	Eyepiece 20×/12, adjustable
10 447 149	Eyecups, one pair for eyepieces
10 447 136	Eyepiece for eyeglasses 10×/23B, fixed
10 447 138	Eyepiece for eyeglasses 16×/15B, fixed
10 447 137	Eyepiece for eyeglasses 10×/23B, adjustable
10 447 139	Eyepiece for eyeglasses 16×/15B, adjustable
10 447 150	Eyecups, one pair for eyepiece for eyeglasses
10 445 302	Eyepiece 25×/9.5B adjust. f/eyeglasses*
10 445 303	Eyepiece 40×/6B adjust. f/eyeglasses*
10 447 036	Spacing ring 4mm, pair, required w/ eyep. 10 445 302/303
	* adjustable eyepieces accept reticles
S4 E, S6 E, S6, S6 T, S6 D Objectives	
10 446 316	0.32× Objective, WD 300mm
10 446 318	0.5× Objective, WD 200mm
10 446 319	0.63× Objective, WD 155mm
10 446 320	0.75× Objective, WD 130mm
10 446 321	1.6× Objective, WD 55mm
10 446 322	2× Objective, WD 35mm
10 446 325	Adjustable objective 0.3×–0.4×, WD 200–350mm
10 446 323	ErgoLens 0.6×–0.75×, WD 77–137mm
10 446 317	ErgoLens 0.7×–1×, WD 48–98mm
10 446 324	Lens shield for S4/S6/S8APO

Low Eyepoint Eyepieces

Eyepieces, fixed

	Standard	ergonomic
10×/23	10 446 332	10 447 130
16×/16	10 446 354	10 447 132
20×/12	10 446 356	10 447 134

Eyepieces, adjustable*

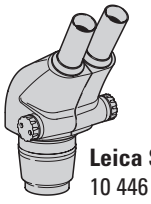
	Standard	ergonomic
10×/23	10 446 333	10 447 131
16×/16	10 446 355	10 447 133
20×/12	10 446 357	10 447 135

* Adjustable eyepieces accept reticles

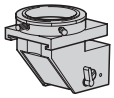
Leica StereoZoom®
System diagram

Leica S4 E
10 446 293

Leica S6 E
10 446 294



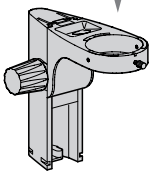
Leica S6
10 446 295



10 447 040

10 315 306

10 446 395



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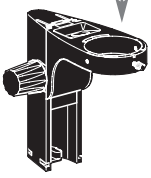

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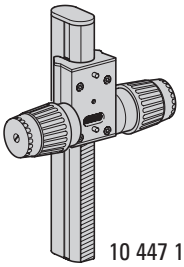

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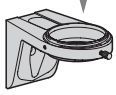

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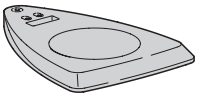

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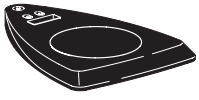

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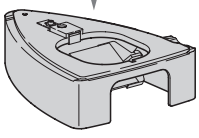

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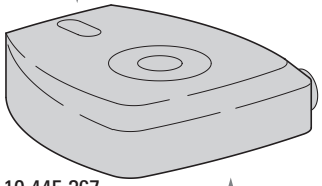
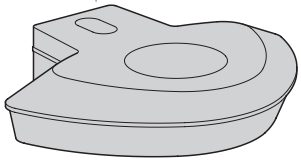
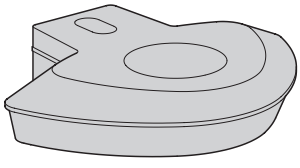


10 445 367
10 446 359



10 445 387



10 445 363

10 447 057
10 447 065

10 447 058
10 447 153

10 446 301

10 446 303

10 446 228

High Eyepoint Eyepieces

Eyepieces, fixed

	Standard	ergonomic
10×/23	10 446 326	10 447 136
16×/15		10 447 138

Eyepieces, adjustable*

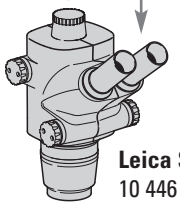
	Standard	ergonomic
10×/23	10 446 329	10 447 137
16×/15		10 447 139
25×/9.5B		10 445 302
40×/6B		10 445 303

* Adjustable eyepieces accept reticles

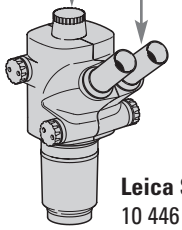
10 447 036
Spacing Ring required with eyepieces 10 445 302, 10 445 303

Photo / Video documentation Leica DC cameras

Leica S6 T
10 446 296



Leica S6 D
10 446 297



Leica S8 APO
10 446 298

Objectives for S8 APO

0.32×	10 446 334
APO 0.63×	10 446 335
APO 1.6×	10 446 336
APO 2×	10 446 337

Objectives for S4 E, S6 E, S6, S6 T, S6 D

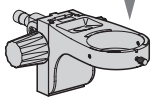
0.32×	10 446 316
0.5×	10 446 318
0.63×	10 446 319
0.75×	10 446 320
1.6×	10 446 321
2×	10 446 322
Lens shield	10 446 324

Adjustable Lens

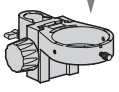
0.3×–0.4×	10 446 325

Ergolenses

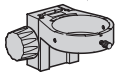
0.6×–0.75×	10 446 323
0.7×–1×	10 446 317



10 446 345



10 446 344



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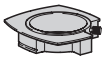

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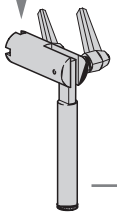
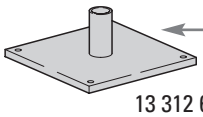
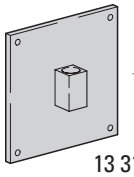


10 376 070



13 312 611



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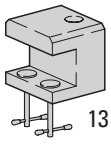
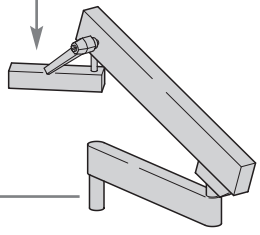
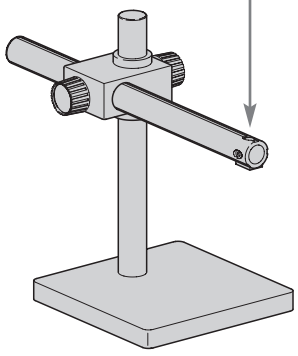


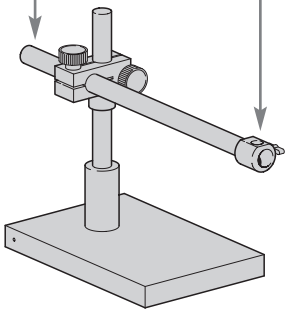
13 312 614



13 312 610



13 312 714



10 446 299

Catalogue references

S8 APO Objectives	
10 446 335	APO 0.63× objective, WD 100mm, for S8 APO
10 446 336	APO 1.6× objective, WD 37mm, for S8 APO
10 446 337	APO 2× objective, WD 25mm, for S8 APO
10 446 334	0.32× objective, WD 200mm, for S8 APO

Focus columns/arms/carriers	
10 446 339	Focus column
10 446 347	Focus column T
10 447 106	Coarse/fine focus drive
10 446 343	Focus arm
10 446 344	Focus arm for 25mm post
10 446 345	Mountable focus arm
10 446 342	STZ adapter for S4/S6/S8 APO
10 446 395	Extension for 0.5× objective for S4/S6
10 446 394	Carrier for c/f focusing drive, S-series
10 376 070	Carrier rod 25mm, inclinable

Bases	
10 446 340	Base for S4/S6/S8 APO
10 446 348	Base T
10 446 341	Sub base with reflector
10 445 367	Transmitted-light base HL*
10 446 359	Transmitted-light base HL RC™*
10 445 387	Brightfield base, 20W
10 445 363	Brightfield/darkfield base*
	* The transmitted-light base HL, HL RC™ and BF/DF require an external fiber optic light source (e.g. CLS150) and a fiber optic light guide (e.g. 30150703)

Stands	
13 312 714	S-stand
10 446 299	Swing arm stand ESD
13 312 610	Flex Arm Stand
13 312 611	Flex Arm horiz. mount
13 312 613	Flex Arm vert. mount
13 312 614	Flex Arm clamp mount

Stages/Stage plates	
10 446 301	Gliding stage
10 446 303	Cup stage
10 447 058	Clear glass stage plate
10 447 153	Frosted glas stage plate
10 447 057	Opaque B&W stage plate
10 447 065	Stage plate S6 T, dissipating

Polarizing accessories	
10 446 228	Polarizer on glass stage plate
10 315 306	Analyzer in rotatable mount

Reticles/Stage micrometers	
10 446 447	Reticle 10mm/0.1mm
10 446 448	Reticle 5mm/0.1mm
10 446 449	Reticle 5mm/0.05mm
10 447 000	Reticle 100 Div./0.002"
10 447 001	Reticle 100 Div./0.001"
10 447 002	Reticle 150 Div./0.0005"
10 446 450	Crosshair
10 310 345	Stage micrometer 50mm, 0.1/0.01mm div.
10 447 037	Stage micrometer 1", 0.001" divisions

Accessories	
10 447 040	Image rotator S4 E/S6
10 447 039	Dust cover, antistatic

Catalogue references

Video, photomicrography

For detailed information on Leica camera systems, accessories and image management software, go to our Internet site at **www.leica-microsystems.com**

10 445 928	Video objective 0.32× with C-Mount for video-/phototubes
10 445 929	Video objective 0.5× with C-Mount for video-/phototubes
10 446 261	Video objective 0.63× with C-Mount for video-/phototubes
10 446 307	Video objective 0.8× with C-Mount for video-/phototubes
10 445 930	Video-/photoobjective 1× for video-/phototubes
10 445 932	Eyepiece tube 37mm
10 446 120	Photo eyepiece 8×
10 445 304	Photo eyepiece 10×
10 445 305	Photo eyepiece 16×
10 447 003	Framing reticle 10× S6 D/S8 APO

Illuminations

13 313 305	Nicholas illuminator lamp house
13 410 310	Extendable linkage
13 313 534	Adapter
13 410 311	Nicholas transformer 120V
13 410 312	Nicholas transformer 230V
13 313 175	Bulb for Nicholas lamp

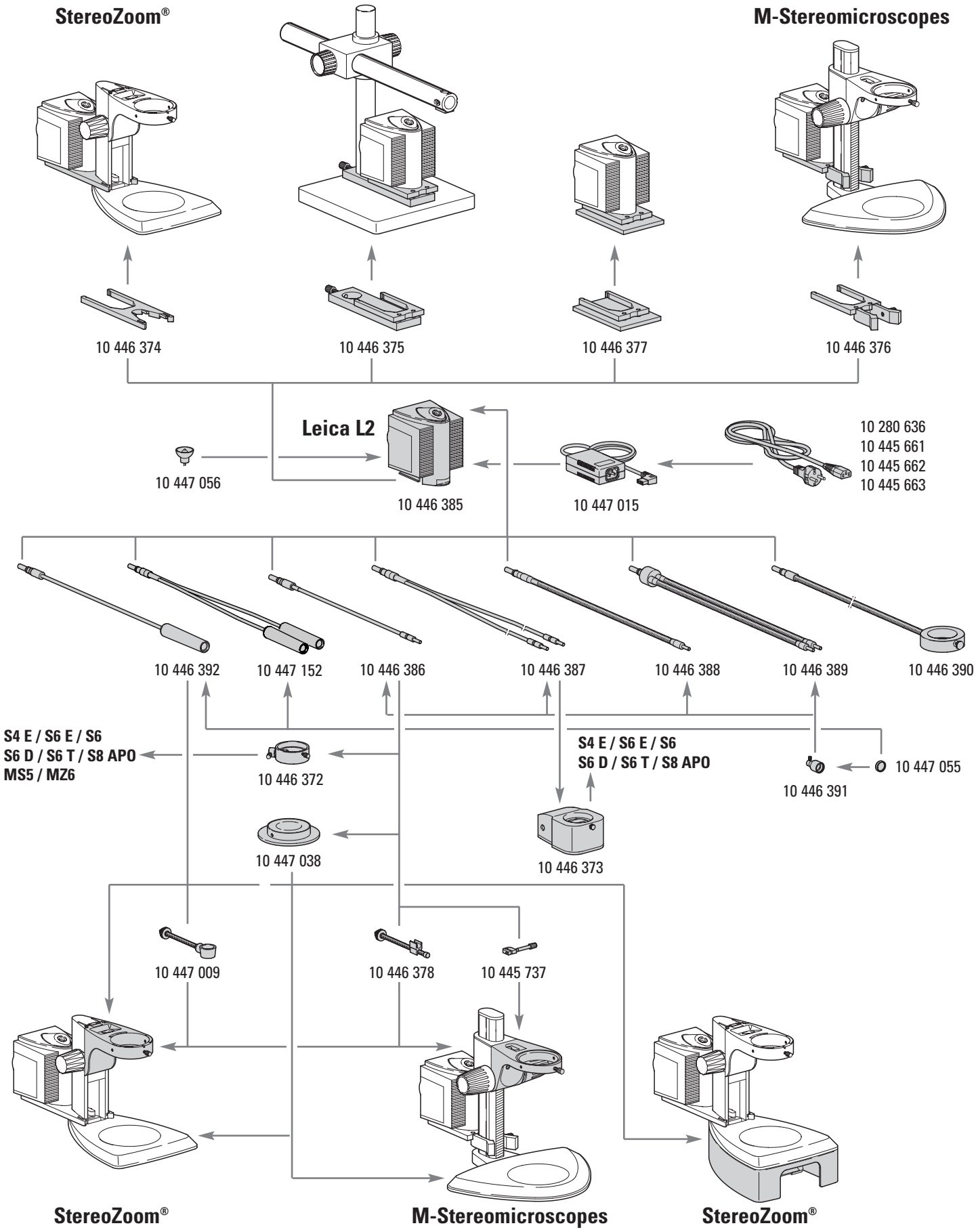
Leica L5 FL fluorescent system

10 446 431	Leica L5 FL fluorescent system blue (Ex. 450/64 nm / Em. 550/54 nm), 230 V, S Series
10 446 433	Leica L5 FL fluorescent system blue (Ex. 450/64 nm / Em. 550/54 nm), 120 V, S Series
10 446 434	Leica L5 FL fluorescent system green (Ex. 534/40 nm / Em. 622/64 nm), 230 V, S Series
10 446 435	Leica L5 FL fluorescent system green (Ex. 534/40 nm / Em. 622/64 nm), 120 V, S Series

For eye protection an UV protection is absolutely recommended:

10 446 154	UV protection
10 399 211	Arm, clampable
10 446 421	Adapter

Leica L2 Assembly diagram



Catalogue references

Leica L2

	For further details please refer to brochure M1-288-0.
10 446 385	Leica L2 fiber optic light source
10 447 015	Power supply Leica L2
10 446 386	Single flexible light guide, 550mm
10 446 387	Double flexible light guide, 750mm
10 446 388	Single gooseneck, 500mm
10 446 389	Double gooseneck, 500mm
10 446 390	6-point ringlight, 58mm I.D., 750mm
10 447 038	Transmitted light stage
10 446 391	Focusing lens
10 447 055	Day light conversion filter for focusing lens
10 446 392	Universal light guide
10 447 152	Double universal light guide
10 446 374	L2 adapter for focus column
10 446 375	L2 adapter for S-stand
10 446 376	L2 adapter for focus drive 300mm
10 446 377	L2 base
10 446 378	Flexible light guide mount
10 447 009	Universal light guide mount
10 447 152	Double universal light guide
10 446 372	Near vertical illuminator
10 446 373	Coaxial illuminator for S4/S6/S8 APO
10 280 636	Power cable 2m, CH
10 445 661	Power cable 2m, US
10 445 662	Power cable 2m, EURO
10 445 663	Power cable 2m, BS
10 447 056	Bulb 8V/20W for L2

Information material

Leica StereoZoom® Greenough stereomicroscopes	M1-188-0
Leica L2 cold-light source	M1-288-0
Leica L5 FL cold-light fluorescence system	M1-205-1
Leica Z6 APO and Z16 APO zoom systems	M1-416-0
Leica Z6 APO A and Z16 APO A zoom systems	M1-417-0
Leica MZ16 and MZ16 A stereomicroscope	M1-116-0
Leica MZ12$_5$ stereomicroscope	M1-125-0
Leica MZ9$_5$ stereomicroscope	M1-195-0
Leica MZ7$_5$ stereomicroscope	M1-175-0
Leica MS5, MZ6 stereomicroscope	M1-141-0
Leica MZ FLIII fluorescence stereomicroscope	M1-160-0
Leica Fluo Combi™	M1-166-1
Leica MZ16 FA motorized fluorescence stereomicroscope	M1-116-5
Leica colposcope	M1-280-0
Leica IC A video module for Leica M stereomicroscopes	M1-393-1
Leica ICC A video module for Leica microscopes	M1-393-2
Leica MPS30 photoautomat	M1-330-0
Leica MPS60 photoautomat	M1-360-0
Leica ErgoModules®	M1-215-2
Leica heating stage	M1-227-0

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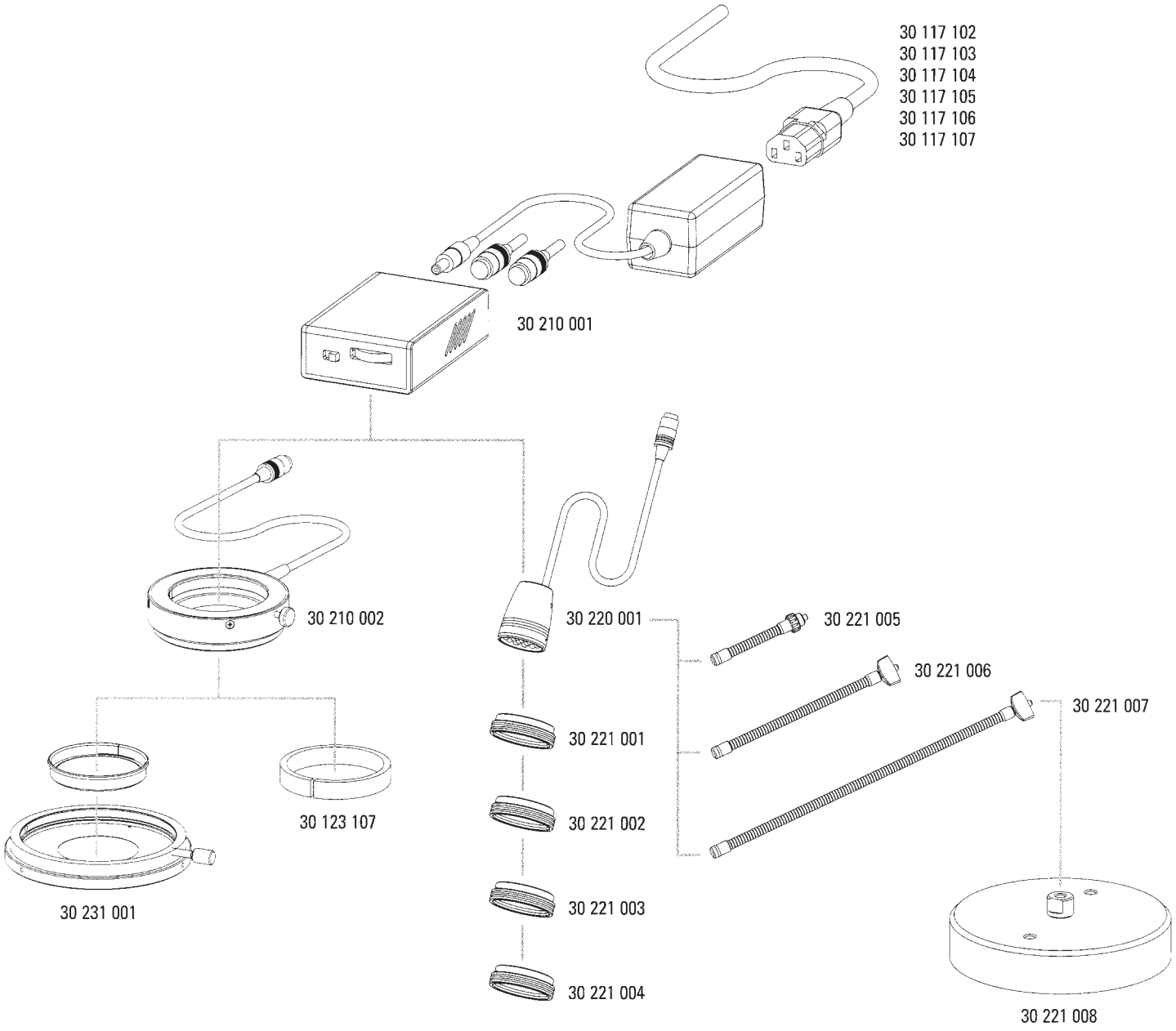
Leica LED1000 Assembly diagram



30 210 001	Operating unit with power pack
30 220 001	LED Spot (19 LEDs)
30 221 005	Gooseneck for Spot 85mm
30 221 006	Gooseneck for Spot 200mm
30 221 007	Gooseneck for Spot 300mm
30 221 001	Blue color filter for Spot
30 221 002	Green color filter for Spot
30 221 003	Yellow color filter for Spot
30 221 004	Red color filter for Spot
30 221 005	Gooseneck for Spot 85mm
30 221 006	Gooseneck for Spot 200mm
30 221 007	Gooseneck for Spot 300mm

30 221 008	Base plate with M5 adapter for gooseneck
30 210 002	LED ring illuminator (40 LEDs) with objective adapter 58mm/66mm
30 123 107	Objective adapter 58mm/66mm
30 231 001	Polarization filter set for LED ring illuminator
30 117 102	Power cable, 3-pole IEC320 for J/USA/CAN
30 117 103	Power cable, 3-pole IEC320 for IT
30 117 104	Power cable, 3-pole IEC320 for EU
30 117 105	Power cable, 3-pole IEC320 for CH
30 117 106	Power cable, 3-pole IEC320 for UK
30 117 107	Power cable, 3-pole IEC320 for AUS

Optical Data Leica StereoZoom® S8 APO

				Apochromats						Achromat	
				0.63×		1.6×		2×		0.32×	
Working distance		75mm		101mm		37mm		25mm		200mm	
Eyepieces	Zoom position	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm
10 447 130	1.0	10.0	23.0	6.3	36.5	16.0	14.4	20.0	11.5	3.2	71.9
10 447 131	1.25	12.5	18.4	7.9	29.1	20.0	11.5	25.0	9.2	4.0	57.5
10 446 332	1.6	16.0	14.4	10.1	22.8	25.6	9.0	32.0	7.2	5.1	45.1
10 446 333	2.0	20.0	11.5	12.6	18.3	32.0	7.2	40.0	5.8	6.4	35.9
10×/23	2.5	25.0	9.2	15.8	14.6	40.0	5.8	50.0	4.6	8.0	28.8
	3.2	32.0	7.2	20.2	11.4	51.2	4.5	64.0	3.6	10.2	22.5
10 447 136	4.0	40.0	5.8	25.2	9.1	64.0	3.6	80.0	2.9	12.8	18.0
10 447 137	5.0	50.0	4.6	31.5	7.3	80.0	2.9	100.0	2.3	16.0	14.4
10 446 326	6.3	63.0	3.7	39.7	5.8	100.8	2.3	126.0	1.8	20.2	11.4
10 446 329	8.0	80.0	2.9	50.4	4.6	128.0	1.8	160.0	1.4	25.6	9.0
10 447 132	1.0	16.0	16.0	10.1	25.3	25.6	10.0	32.0	8.0	5.1	43.9
10 447 133	1.25	20.0	12.8	12.6	20.3	32.0	8.0	40.0	6.4	6.4	35.0
	1.6	25.6	10.0	16.1	15.9	41.0	6.2	51.2	5.0	8.2	27.3
	2.0	32.0	8.0	20.2	12.7	51.2	5.0	64.0	4.0	10.2	22.0
	2.5	40.0	6.4	25.2	10.2	64.0	4.0	80.0	3.2	12.8	17.5
16×/16	3.2	51.2	5.0	32.3	7.9	81.9	3.1	102.4	2.5	16.4	13.7
	4.0	64.0	4.0	40.3	6.4	102.4	2.5	128.0	2.0	20.5	10.9
	5.0	80.0	3.2	50.4	5.1	128.0	2.0	160.0	1.6	25.6	8.8
10 446 354	6.3	100.8	2.5	63.5	4.0	161.3	1.6	201.6	1.3	32.3	6.9
10 446 355	8.0	128.0	2.0	80.6	3.2	204.8	1.3	256.0	1.0	41.0	5.5
	1.0	16.0	15.0	10.1	23.7	25.6	9.4	32.0	7.5	5.1	41.2
	1.25	20.0	12.0	12.6	19.0	32.0	7.5	40.0	6.0	6.4	32.8
	1.6	25.6	9.4	16.1	14.9	41.0	5.8	51.2	4.7	8.2	25.6
	2.0	32.0	7.5	20.2	11.9	51.2	4.7	64.0	3.8	10.2	20.6
	2.5	40.0	6.0	25.2	9.6	64.0	3.8	80.0	3.0	12.8	16.4
16×/15	3.2	51.2	4.7	32.3	7.4	81.9	2.9	102.4	2.3	16.4	12.8
	4.0	64.0	3.8	40.3	6.0	102.4	2.3	128.0	1.9	20.5	10.2
	5.0	80.0	3.0	50.4	4.8	128.0	1.9	160.0	1.5	25.6	8.3
10 447 138	6.3	100.8	2.3	63.5	3.8	161.3	1.5	201.6	1.2	32.3	6.5
10 447 139	8.0	128.0	1.9	80.6	3.0	204.8	1.2	256.0	0.9	41.0	5.2
10 447 134	1.0	20.0	12.0	12.6	19.0	32.0	7.5	40.0	6.0	6.4	37.5
10 447 135	1.25	25.0	9.6	15.8	15.2	40.0	6.0	50.0	4.8	8.0	30.0
	1.6	32.0	7.5	20.2	11.9	51.2	4.7	64.0	3.8	10.2	23.5
	2.0	40.0	6.0	25.2	9.5	64.0	3.8	80.0	3.0	12.8	18.8
20×/12	2.5	50.0	4.8	31.5	7.6	80.0	3.0	100.0	2.4	16.0	15.0
	3.2	64.0	3.8	40.3	6.0	102.4	2.3	128.0	1.9	20.5	11.7
	4.0	80.0	3.0	50.4	4.8	128.0	1.9	160.0	1.5	25.6	9.4
	5.0	100.0	2.4	63.0	3.8	160.0	1.5	200.0	1.2	32.0	7.5
10 446 356	6.3	126.0	1.9	79.4	3.0	201.6	1.2	252.0	1.0	40.3	6.0
10 446 357	8.0	160.0	1.5	100.8	2.4	256.0	0.9	320.0	0.8	51.2	4.7
	1.0	25.0	9.5	15.8	15.0	40.0	5.9	50.0	4.8	8.0	29.7
	1.25	31.3	7.6	19.7	12.1	50.0	4.8	62.5	3.8	10.0	23.8
	1.6	40.0	5.9	25.2	9.4	64.0	3.7	80.0	3.0	12.8	18.6
	2.0	50.0	4.8	31.5	7.5	80.0	3.0	100.0	2.4	16.0	14.8
25×/9.5B	2.5	62.5	3.8	39.4	6.0	100.0	2.4	125.0	1.9	20.0	11.9
	3.2	80.0	3.0	50.4	4.7	128.0	1.9	160.0	1.5	25.6	9.3
	4.0	100.0	2.4	63.0	3.8	160.0	1.5	200.0	1.2	32.0	7.4
	5.0	125.0	1.9	78.8	3.0	200.0	1.2	250.0	1.0	40.0	5.9
	6.3	157.5	1.5	99.2	2.4	252.0	0.9	315.0	0.8	50.4	4.7
10 445 302	8.0	200.0	1.2	126.0	1.9	320.0	0.7	400.0	0.6	64.0	3.7
	1.0	40.0	6.0	25.2	9.5	64.0	3.8	80.0	3.0	12.8	18.8
	1.25	50.0	4.8	31.5	7.6	80.0	3.0	100.0	2.4	16.0	15.0
	1.6	64.0	3.8	40.3	6.0	102.4	2.3	128.0	1.9	20.5	11.7
	2.0	80.0	3.0	50.4	4.8	128.0	1.9	160.0	1.5	25.6	9.4
	2.5	100.0	2.4	63.0	3.8	160.0	1.5	200.0	1.2	32.0	7.5
40×/6B	3.2	128.0	1.9	80.6	3.0	204.8	1.2	256.0	0.9	41.0	5.9
	4.0	160.0	1.5	100.8	2.4	256.0	0.9	320.0	0.8	51.2	4.7
	5.0	200.0	1.2	126.0	1.9	320.0	0.8	400.0	0.6	64.0	3.8
	6.3	252.0	1.0	158.8	1.5	403.2	0.6	504.0	0.5	80.6	3.0
10 445 303	8.0	320.0	0.8	201.6	1.2	512.0	0.5	640.0	0.4	102.4	2.3

Optical Data StereoZoom® Leica S4 E, S6 E, S6, S6 T, S6 D

				with additional objectives									
				0.32×		0.5×		0.63×		0.75×		1.6×	
Working distance		110mm		300mm		200mm		155mm		130mm		55mm	
Eyepieces	**Zoom position** *4.0: S6	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm
10 447 130	0.63	6.3	36.5	2.0	115.0	3.2	71.9	4.0	57.5	4.7	48.9	10.1	22.8
10 447 131	0.8	8.0	28.8	2.6	88.5	4.0	57.5	5.0	46.0	6.0	38.3	12.8	18.0
10 446 332	1.0	10.0	23.0	3.2	71.9	5.0	46.0	6.3	36.5	7.5	30.7	16.0	14.4
10 446 333	1.25	12.5	18.4	4.0	57.5	6.3	36.5	7.9	29.1	9.4	24.5	20.0	11.5
10×/23	1.6	16.0	14.4	5.1	45.1	8.0	28.8	10.1	22.8	12.0	19.2	25.6	9.0
10 447 136	2.0	20.0	11.5	6.4	35.9	10.0	23.0	12.6	18.3	15.0	15.3	32.0	7.2
10 447 137	2.5	25.0	9.2	8.0	28.8	12.5	18.4	15.8	14.6	18.8	12.2	40.0	5.8
10 446 326	3.2	32.0	7.2	10.2	22.5	16.0	14.4	20.2	11.4	24.0	9.6	51.2	4.5
10 446 329	4.0*	40.0	5.8	12.8	18.0	20.0	11.5	25.2	9.1	30.0	7.7	64.0	3.6
10 447 132	0.63	10.1	25.3	3.2	80.0	5.0	51.2	6.4	40.0	7.6	33.7	16.1	15.9
10 447 133	0.8	12.8	20.0	4.1	62.4	6.4	40.0	8.1	31.6	9.6	26.7	20.5	12.5
	1.0	16.0	16.0	5.1	50.2	8.0	32.0	10.1	25.3	12.0	21.3	25.6	10.0
	1.25	20.0	12.8	6.4	40.0	10.0	25.6	12.6	20.3	15.0	17.1	32.0	8.0
16×/16	1.6	25.6	10.0	8.2	31.2	12.8	20.0	16.1	15.9	19.2	13.3	41.0	6.2
	2.0	32.0	8.0	10.2	25.1	16.0	16.0	20.2	12.7	24.0	10.7	51.2	5.0
	2.5	40.0	6.4	12.8	20.0	20.0	12.8	25.2	10.2	30.0	8.5	64.0	4.0
10 446 354	3.2	51.2	5.0	16.4	15.6	25.6	10.0	32.3	7.9	38.4	6.7	81.9	3.1
10 446 355	4.0*	64.0	4.0	20.5	12.5	32.0	8.0	40.3	6.4	48.0	5.3	102.4	2.5
	0.63	10.1	23.8	3.2	74.0	5.0	47.6	6.4	37.8	7.6	31.7	16.1	14.9
	0.8	12.8	18.8	4.1	58.6	6.4	37.5	8.1	29.8	9.6	25.0	20.5	11.7
	1.0	16.0	15.0	5.1	46.9	8.0	30.0	10.1	23.8	12.0	20.0	25.6	9.4
	1.25	20.0	12.0	6.4	37.5	10.0	24.0	12.6	19.0	15.0	16.0	32.0	7.5
16×/15	1.6	25.6	9.4	8.2	29.3	12.8	18.8	16.1	14.9	19.2	12.5	41.0	5.8
	2.0	32.0	7.5	10.2	23.4	16.0	15.0	20.2	11.9	24.0	10.0	51.2	4.7
	2.5	40.0	6.0	12.8	18.8	20.0	12.0	25.2	9.5	30.0	8.0	64.0	3.8
10 447 138	3.2	51.2	4.7	16.4	14.6	25.6	9.4	32.3	7.4	38.4	6.2	81.9	2.9
10 447 139	4.0*	64.0	3.8	20.5	11.7	32.0	7.5	40.3	5.9	48.0	5.0	102.4	2.3
10 447 134	0.63	12.6	19.0	4.0	60.0	6.3	38.1	7.9	30.4	9.5	25.3	20.2	11.9
10 447 135	0.8	16.0	15.0	5.1	47.1	8.0	30.0	10.1	23.8	12.0	20.0	25.6	9.4
	1.0	20.0	12.0	6.4	37.5	10.0	24.0	12.6	19.0	15.0	16.0	32.0	7.5
	1.25	25.0	9.6	8.0	30.0	12.5	19.2	15.8	15.2	18.8	12.8	40.0	6.0
20×/12	1.6	32.0	7.5	10.2	23.5	16.0	15.0	20.2	11.9	24.0	10.0	51.2	4.7
	2.0	40.0	6.0	12.8	18.8	20.0	12.0	25.2	9.5	30.0	8.0	64.0	3.8
	2.5	50.0	4.8	16.0	15.0	25.0	9.6	31.5	7.6	37.5	6.4	80.0	3.0
10 446 356	3.2	64.0	3.8	20.5	11.7	32.0	7.5	40.3	6.0	48.0	5.0	102.4	2.3
10 446 357	4.0*	80.0	3.0	25.6	9.4	40.0	6.0	50.4	4.8	60.0	4.0	128.0	1.9
	0.63	15.8	15.0	5.0	47.5	7.9	30.1	9.9	24.0	11.8	20.1	25.2	9.4
	0.8	20.0	11.9	6.4	37.1	10.0	23.8	12.6	18.8	15.0	15.8	32.0	7.4
	1.0	25.0	9.5	8.0	29.7	12.5	19.0	15.8	15.0	18.8	12.6	40.0	5.9
25×/9.5B	1.25	31.3	7.6	10.0	23.8	15.6	15.2	19.7	12.1	23.4	10.1	50.0	4.8
	1.6	40.0	5.9	12.8	18.6	20.0	11.9	25.2	9.4	30.0	7.9	64.0	3.7
	2.0	50.0	4.8	16.0	14.8	25.0	9.5	31.5	7.5	37.5	6.3	80.0	3.0
	2.5	62.5	3.8	20.0	11.9	31.3	7.6	39.4	6.0	46.9	5.1	100.0	2.4
	3.2	80.0	3.0	25.6	9.3	40.0	5.9	50.4	4.7	60.0	4.0	128.0	1.9
10 445 302	4.0*	100.0	2.4	32.0	7.4	50.0	4.8	63.0	3.8	75.0	3.2	160.0	1.5
	0.63	25.2	9.5	8.1	29.6	12.6	19.0	15.9	15.1	18.9	12.7	40.3	6.0
	0.8	32.0	7.5	10.2	23.5	16.0	15.0	20.2	11.9	24.0	10.0	51.2	4.7
	1.0	40.0	6.0	12.8	18.8	20.0	12.0	25.2	9.5	30.0	8.0	64.0	3.8
	1.25	50.0	4.8	16.0	15.0	25.0	9.6	31.5	7.6	37.5	6.4	80.0	3.0
40×/6B	1.6	64.0	3.8	20.5	11.7	32.0	7.5	40.3	6.0	48.0	5.0	102.4	2.3
	2.0	80.0	3.0	25.6	9.4	40.0	6.0	50.4	4.8	60.0	4.0	128.0	1.9
	2.5	100.0	2.4	32.0	7.5	50.0	4.8	63.0	3.8	75.0	3.2	160.0	1.5
	3.2	128.0	1.9	41.0	5.9	64.0	3.8	80.6	3.0	96.0	2.5	204.8	1.2
10 445 303	4.0*	160.0	1.5	51.2	4.7	80.0	3.0	100.8	2.4	120.0	2.0	256.0	0.9

with additional objectives													
2×		0.3×–0.4×		0.3×–0.4×		0.6×–0.75×		0.6×–0.75×		0.7×–1×		0.7×–1×	
35mm		200mm		350mm		77mm		137mm		48mm		98mm	
Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm	Total magnification	Field diameter mm
12.6	18.3	2.5	92.0	1.8	127.8	4.7	48.9	3.5	65.7	6.2	37.1	4.5	51.1
16.0	14.4	3.1	74.2	2.2	104.5	6.0	38.3	4.5	51.1	7.9	29.1	5.7	40.4
20.0	11.5	3.9	59.0	2.8	82.1	7.5	30.7	5.6	41.1	9.9	23.2	7.1	32.4
25.0	9.2	4.9	46.9	3.5	65.7	9.4	24.5	7.0	32.9	12.4	18.5	8.9	25.8
32.0	7.2	6.2	37.1	4.5	51.1	12.0	19.2	9.0	25.6	15.8	14.6	11.4	20.2
40.0	5.8	7.8	29.5	5.6	41.1	15.0	15.3	11.2	20.5	19.8	11.6	14.2	16.2
50.0	4.6	9.8	23.5	7.0	32.9	18.8	12.2	14.0	16.4	24.8	9.3	17.8	12.9
64.0	3.6	12.5	18.4	9.0	25.6	24.0	9.6	17.9	12.8	31.7	7.3	22.7	10.1
80.0	2.9	15.6	14.7	11.2	20.5	30.0	7.7	22.4	10.3	39.6	5.8	28.4	8.1
20.2	12.7	3.9	65.6	2.8	91.4	7.6	33.7	5.6	45.7	10.0	25.6	7.2	35.6
25.6	10.0	5.0	51.2	3.6	71.1	9.6	26.7	7.2	35.6	12.7	20.2	9.1	28.1
32.0	8.0	6.2	41.3	4.5	56.9	12.0	21.3	9.0	28.4	15.8	16.2	11.4	22.5
40.0	6.4	7.8	32.8	5.6	45.7	15.0	17.1	11.2	22.9	19.8	12.9	14.2	18.0
51.2	5.0	10.0	25.6	7.2	35.6	19.2	13.3	14.3	17.9	25.3	10.1	18.2	14.1
64.0	4.0	12.5	20.5	9.0	28.4	24.0	10.7	17.9	14.3	31.7	8.1	22.7	11.3
80.0	3.2	15.6	16.4	11.2	22.9	30.0	8.5	22.4	11.4	39.6	6.5	28.4	9.0
102.4	2.5	20.0	12.8	14.3	17.9	38.4	6.7	28.7	8.9	50.7	5.0	36.4	7.0
128.0	2.0	25.0	10.2	17.9	14.3	48.0	5.3	35.8	7.2	63.4	4.0	45.4	5.6
20.2	11.9	3.9	61.5	2.8	85.7	7.6	31.6	5.6	42.9	10.0	24.0	7.2	33.3
25.6	9.4	5.0	48.0	3.6	66.6	9.6	25.0	7.2	33.3	12.7	18.9	9.1	26.4
32.0	7.5	6.2	38.7	4.5	53.4	12.0	20.0	9.0	26.7	15.8	15.2	11.4	21.0
40.0	6.0	7.8	30.8	5.6	42.9	15.0	16.0	11.2	21.4	19.8	12.1	14.2	16.9
51.2	4.7	10.0	24.0	7.2	33.3	19.2	12.5	14.3	16.8	25.3	9.5	18.2	13.2
64.0	3.8	12.5	19.2	9.0	26.7	24.0	10.0	17.9	13.4	31.7	7.6	22.7	10.6
80.0	3.0	15.6	15.4	11.2	21.4	30.0	8.0	22.4	10.7	39.6	6.1	28.4	8.5
102.4	2.3	20.0	12.0	14.3	16.8	38.4	6.2	28.7	8.4	50.7	4.7	36.4	6.6
128.0	1.9	25.0	9.6	17.9	13.4	48.0	5.0	35.8	6.8	63.4	3.8	45.4	5.3
25.2	9.5	4.9	49.0	3.5	68.6	9.5	25.3	7.1	33.8	12.5	19.2	8.9	27.0
32.0	7.5	6.2	38.7	4.5	53.3	12.0	20.0	9.0	26.7	15.8	15.2	11.4	21.1
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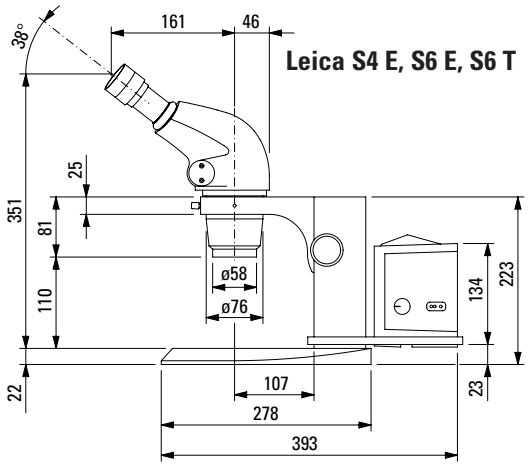
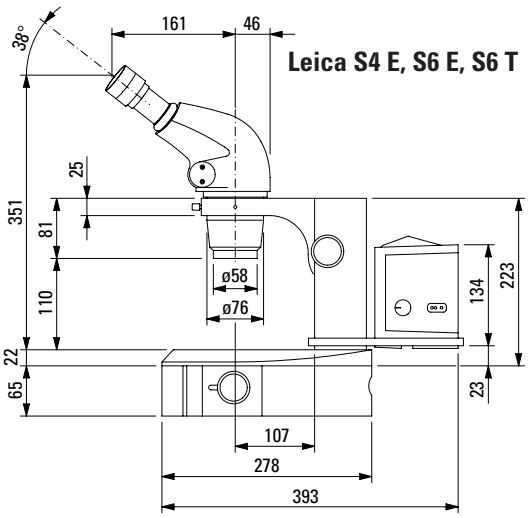
50.0	4.8	9.8	24.5	7.0	34.3	18.8	12.8	14.0	17.1	24.8	9.7	17.8	13.5
64.0	3.8	12.5	19.2	9.0	26.7	24.0	10.0	17.9	13.4	31.7	7.6	22.7	10.6
80.0	3.0	15.6	15.4	11.2	21.4	30.0	8.0	22.4	10.7	39.6	6.1	28.4	8.5
100.0	2.4	19.5	12.3	14.0	17.1	37.5	6.4	28.0	8.6	49.5	4.8	35.5	6.8
128.0	1.9	25.0	9.6	17.9	13.4	48.0	5.0	35.8	6.7	63.4	3.8	45.4	5.3
160.0	1.5	31.2	7.7	22.4	10.7	60.0	4.0	44.8	5.4	79.2	3.0	56.8	4.2
31.5	7.5	6.1	38.9	4.4	54.0	11.8	20.1	8.8	27.0	15.6	15.2	11.2	21.2
40.0	5.9	7.8	30.4	5.6	42.4	15.0	15.8	11.2	21.2	19.8	12.0	14.2	16.7
50.0	4.8	9.8	24.2	7.0	33.9	18.8	12.6	14.0	17.0	24.8	9.6	17.8	13.3
62.5	3.8	12.2	19.5	8.8	27.0	23.4	10.1	17.5	13.6	30.9	7.7	22.2	10.7
80.0	3.0	15.6	15.2	11.2	21.2	30.0	7.9	22.4	10.6	39.6	6.0	28.4	8.4
100.0	2.4	19.5	12.2	14.0	17.0	37.5	6.3	28.0	8.5	49.5	4.8	35.5	6.7
125.0	1.9	24.4	9.7	17.5	13.6	46.9	5.1	35.0	6.8	61.9	3.8	44.4	5.3
160.0	1.5	31.2	7.6	22.4	10.6	60.0	4.0	44.8	5.3	79.2	3.0	56.8	4.2
200.0	1.2	39.0	6.1	28.0	8.5	75.0	3.2	56.0	4.2	99.0	2.4	71.0	3.3
50.4	4.8	9.8	24.5	7.1	33.8	18.9	12.7	14.1	17.0	24.9	9.6	17.9	13.4
64.0	3.8	12.5	19.2	9.0	26.7	24.0	10.0	17.9	13.4	31.7	7.6	22.7	10.6
80.0	3.0	15.6	15.4	11.2	21.4	30.0	8.0	22.4	10.7	39.6	6.1	28.4	8.5
100.0	2.4	19.5	12.3	14.0	17.1	37.5	6.4	28.0	8.6	49.5	4.8	35.5	6.8
128.0	1.9	25.0	9.6	17.9	13.4	48.0	5.0	35.8	6.7	63.4	3.8	45.4	5.3
160.0	1.5	31.2	7.7	22.4	10.7	60.0	4.0	44.8	5.4	79.2	3.0	56.8	4.2
200.0	1.2	39.0	6.2	28.0	8.6	75.0	3.2	56.0	4.3	99.0	2.4	71.0	3.4
256.0	0.9	49.9	4.8	35.8	6.7	96.0	2.5	71.7	3.3	126.7	1.9	90.9	2.6
320.0	0.8	62.4	3.8	44.8	5.4	120.0	2.0	89.6	2.7	158.4	1.5	113.6	2.1

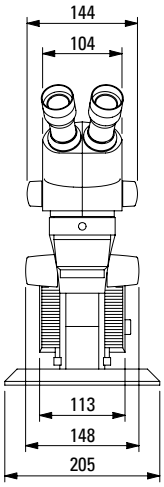
Dimensions Leica S4 E, S6 E, S6 T

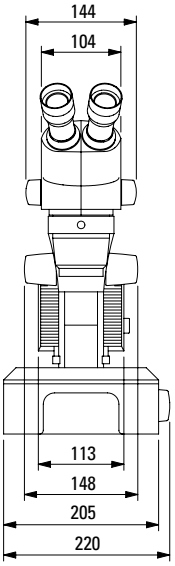
with incident-light stand

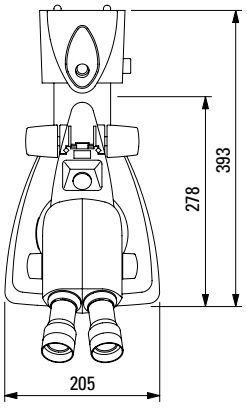


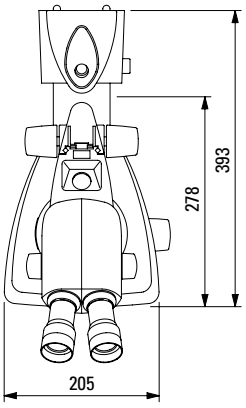
with transmitted-light stand







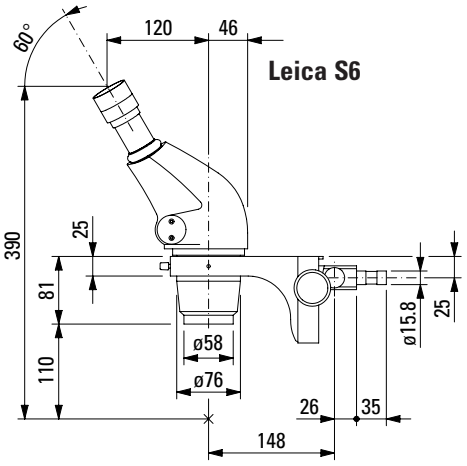


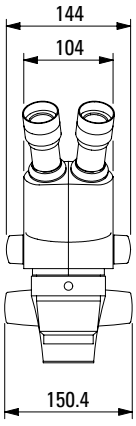


Dimensions in mm

Dimensions Leica S6

with mountable focus arm, tiltable

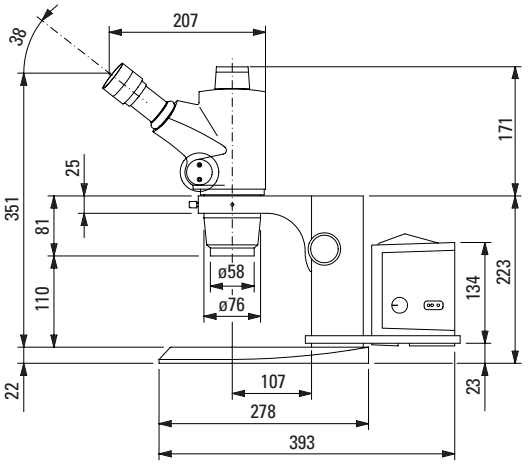


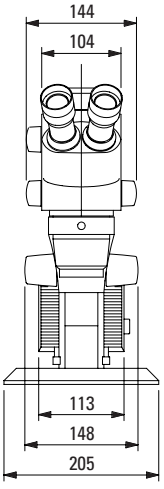


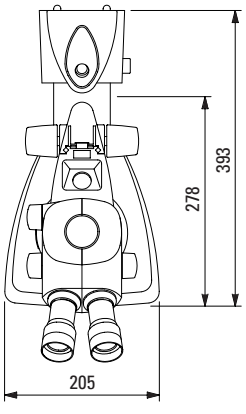
Dimensions in mm

Dimensions Leica S6 D

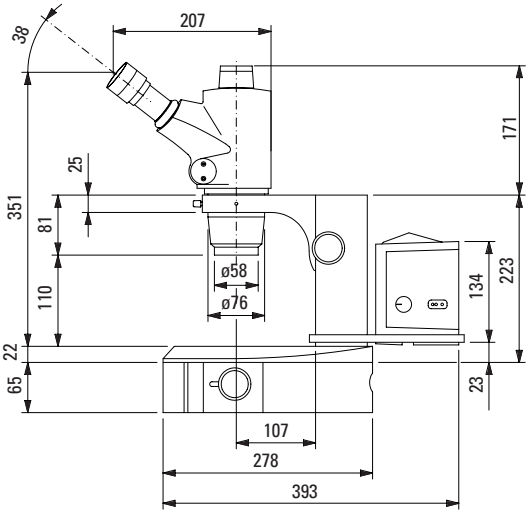
with incident-light stand

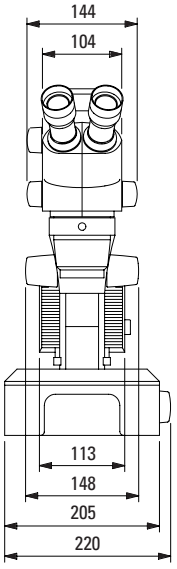


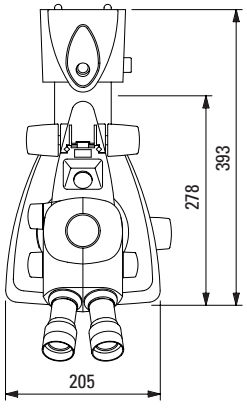




with transmitted-light stand



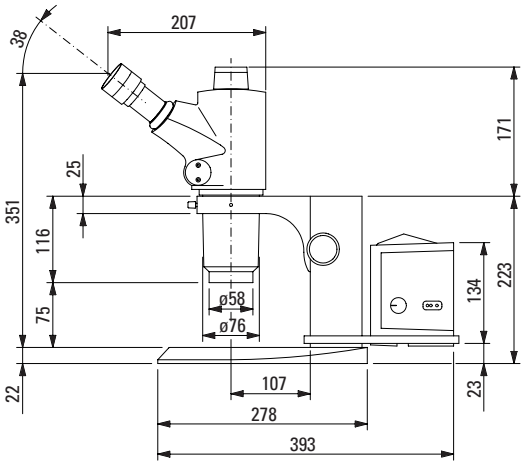


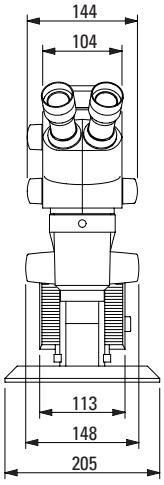


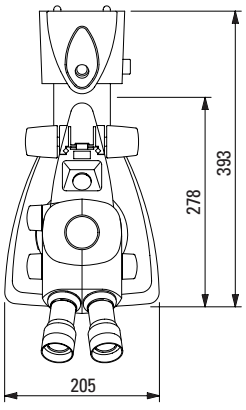
Dimensions in mm

Dimensions Leica S8 APO

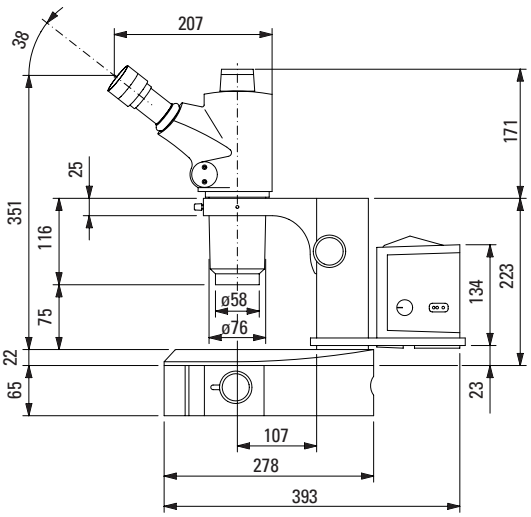
with incident-light stand

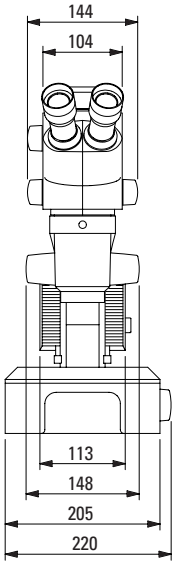


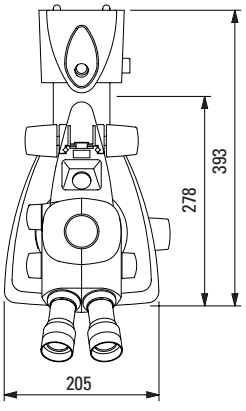




with transmitted-light stand







Dimensions in mm

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Leica Microsystems (Switzerland) Ltd.
Stereo & Macroscope Systems
CH-9435 Heerbrugg

Telephone +41 71 726 33 33
Fax +41 71 726 33 99
www.leica-microsystems.com
www.stereomicroscopy.com

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