



Parts & Accessories



Condensers

Cat. No.	Type	Numerical Aperture	For Series Models
1400-CMAC	Brightfield	Abbe 1.25	1400BR, 1400PH, 1400FL
1400-CMPC	Zernike Phase Contrast	Abbe 1.25	1400BR, 1400PH, 1400FL
1400-CMDCD	Darkfield (Dry)	0.90	1400BR, 1400PH, 1400FL
1400-CMDCI	Darkfield (Immersion)	Abbe 1.25	1400BR, 1400PH, 1400FL
1200-CMAC	Brightfield	Abbe 1.25	1200CM
1200-CMPCA	Zernike Phase Contrast (Achromatic Objectives)	Abbe 1.25	1200CM (Achromatic)
1200-CMPCP	Zernike Phase Contrast (Plan Achromatic Objectives)	Abbe 1.25	1200CM (Plan Achromatic), 1200ECM
1200-AMAC	Brightfield	Abbe 1.25	1200MM, 1200ECM
1200-CMIPC	Zernike Phase Contrast	0.40	1200CMI
1200-CMIBC	Brightfield	0.40	1200CMI
1200-CMDCD	Darkfield (Dry)	0.85	1200CM, 1200MM, 1200ECM
1200-CMDCI	Darkfield (Immersion)	Abbe 1.25	1200CM, 1200MM, 1200ECM
1200-SDC	Darkfield	N/A	1200ZF, 1200ZH, 1200SH, 1200SF, 1100Z, 1100S



Eyepieces

Cat. No.	Power	Type	Field Of View	For Series Models
1400-10XCME	10X	WideField (DIN)	18mm	1400BR, 1400PH, 1400FL
1400-15XCME	15X	Semi-WideField (DIN)	13mm	1400BR, 1400PH, 1400FL
1400-20XCME	20X	Semi-WideField (DIN)	9.5mm	1400BR, 1400PH, 1400FL
1200-10XAME	10X	WideField (DIN)	18mm	1200MM & 1200ECM
1200-10XCME	10X	WideField (DIN)	18mm	1200CM & 1200CMI
1200-16XCME	16X	Semi-WideField (DIN)	11mm	1200CM, 1200MM, 1200ECM, 1200CMI
1200-20XCME	20X	Semi-WideField (DIN)	11mm	1200CM, 1200MM, 1200ECM, 1200CMI
1200-10XSME	10X	WideField (DIN)	20mm	1200SH, 1200SF, 1100Z
1200-10XZME	10X	WideField (DIN)	20mm	1200Z
1200-15XSZME	15X	Semi-WideField (DIN)	15mm	1200Z, 1200SH, 1200SF, 1100Z
1200-20XSZME	20X	Semi-WideField (DIN)	12mm	1200Z, 1200SH, 1200SF, 1100Z
1100-10XAMHE	10X	WideField (DIN)	18mm	1100AMH & 1109AMI

Filters

Cat. No.	Description	For Series Models
1400-BF	Blue, Substage, 32mm Diameter	1400BR, 1400PH, 1400FL
1400-GF	Green, Substage, 32mm Diameter	1400BR, 1400PH, 1400FL
1200-BF	Blue (Frosted), Substage, 32mm Diameter	1200CM, 1200MM, 1200ECM, 1200CMI
1200-GF	Green (Frosted), Substage, 32mm Diameter	1200CM, 1200MM, 1200ECM, 1200CMI
1200-NF	Neutral (Frosted), Substage, 32mm Diameter	1200CM, 1200MM, 1200ECM, 1200CMI
1200-BFZH	Blue, Stage, 40mm Diameter	1200ZH





Fluorescence Kits & Accessories

Cat. No.	Description	For Series Models
1400-KFL	Fluorescence Upgrade Kit -- Includes 4X, 10X, 40X, 100X Achromatic Fluorescence Objectives; Illumination Assembly; Green & Blue Broadband Fluorescence Filters; Fluorescence Filter Holder; Power Supply	1400BR, 1400PH, 1400FL
1400-EFH	Fluorescence Filter Holder (No Filters)	1400FL

Fuses

Cat. No.	Description	For Series Models
1400-FS1	Fuse, Replacement, 0.25A, 250V	1400BR, 1400PH, 1400FL
1400-FS3	Fuse, Replacement, 5.0A, 250V	1400FL (External Power Supply)
1200-FS1	Fuse, Replacement, 0.5A, 250V	1200CM, 1200MM, 1200ECM, 1200CMI
1200-FS2	Fuse, Replacement, 5.0A, 250V	1200ECM (External Power Supply)
1200-FS3	Fuse, Replacement, 0.75A, 250V	1200SH, 1200SF, 1200ZF, 1200ZH, 1100Z

Immersion Oil

Cat. No.	Description	For Series Models
1200-IOG	Immersion Oil, Low Viscosity (1/4 oz. Bottle)	1400BR, 1400PH, 1400FL, 1200CM, 1200ECM, 1100AMH
1200-IOF	Immersion Oil, for Fluorescence (1/4 oz. Bottle)	1400FL, 1200ECM

Kohler Illumination

Cat. No.	Description	For Series Models
1400-KIA	Field Diaphragm, for Kohler Illumination	1400BR, 1400PH, 1400FL
1200-KIA	Field Diaphragm, for Kohler Illumination	1200CM

Lamps

Cat. No.	Type	Electrical Information	For Series Models
1400-20WHL	Halogen	20W / 6V	1400BR, 1400PH, 1400FL
1400-100WMLS	Mercury (Standard)	100W	1400FL, 1200ECM
1400-100WMLO	Mercury (Osram Brand)	100W	1400FL, 1200ECM
1200-5WHL	Fluorescent	5W / 6V	1200ZF, 1200SF
1200-15WHRL	Halogen (Reflector)	15W / 6V	1200ZF, 1200ZH, 1100Z (Upper Illumination)
1200-15WHL	Halogen	15W / 6V	1200ZH, 1200SH, 1200SF, 1100Z
1200-20WHL	Halogen	20W / 6V	1200CM, 1200MM, 1200ECM, 1200CMI, 1100AMH
1100-20WIL	Incandescent	20W / 110V	1109AMI, 1102SM, 1101EM
1100-20WIL-220	Incandescent	20W, 220V	1109AMI-220, 1102SM-220, 1101EM-220
1200-LEJV	Halogen, 3400K Color, 40-Hour Life	150W / 21V	1200-L150 Light Source
1200-LEKE	Halogen, 3250K Color, 200-Hour Life	150W / 21V	1200-L150 Light Source
1200-LL20	Halogen, 3100K Color, 2000-Hour Life	20W / 6V	1200-L20 Light Source



Lenses, Supplementary

Cat. No.	Description	For Series Models
1200-SL05	0.5X, Reduction	1200Z
1200-SL10	1.0X, Optics Shield	1200Z
1200-SL15	1.5X, Magnification	1200Z
1200-SL20	2.0X, Magnification	1200Z



Objectives

Cat. No.	Power	Type	Numerical Aperture	Working Distance	Field Of View	For Series Models
1400-004XBAO	4X	Achromatic (DIN)	0.10	17.0mm	4.5mm	1400BR, 1400PH, 1400FL
1400-010XBAO	10X	Achromatic (DIN)	0.25	8.0mm	1.8mm	1400BR, 1400PH, 1400FL
1400-020XBAO	20X	Achromatic (DIN)	0.40	0.50mm	0.90mm	1400BR, 1400PH, 1400FL
1400-040XBAO	40X	Achromatic (DIN)	0.65	0.40mm	0.45mm	1400BR, 1400PH, 1400FL
1400-060XBAO	60X	Achromatic (DIN)	0.85	0.30mm	0.30mm	1400BR, 1400PH, 1400FL, 1200CM, 1200ECM
1400-100XBAO	100X (Oil)	Achromatic (DIN)	1.25	0.25mm	0.18mm	1400BR, 1400PH, 1400FL
1400-004XBPO	4X	Plan Achromatic (DIN)	0.10	17.0mm	4.5mm	1400BR, 1400PH, 1400FL
1400-010XBPO	10X	Plan Achromatic (DIN)	0.25	8.0mm	1.8mm	1400BR, 1400PH, 1400FL
1400-020XBPO	20X	Plan Achromatic (DIN)	0.40	0.50mm	0.90mm	1400BR, 1400PH, 1400FL
1400-040XBPO	40X	Plan Achromatic (DIN)	0.65	0.40mm	0.45mm	1400BR, 1400PH, 1400FL
1400-060XBPO	60X	Plan Achromatic (DIN)	0.85	0.30mm	0.30mm	1400BR, 1400PH, 1400FL, 1200CM, 1200ECM
1400-100XBPO	100X (Oil)	Plan Achromatic (DIN)	1.25	0.25mm	0.18mm	1400BR, 1400PH, 1400FL
1400-010XPPO	10X	Plan Achromatic Phase (DIN)	0.25	8.0mm	1.8mm	1400BR, 1400PH, 1400FL
1400-020XPPO	20X	Plan Achromatic Phase (DIN)	0.40	0.50mm	0.90mm	1400BR, 1400PH, 1400FL
1400-040XPPO	40X	Plan Achromatic Phase (DIN)	0.65	0.40mm	0.45mm	1400BR, 1400PH, 1400FL
1400-100XPPO	100X (Oil)	Plan Achromatic Phase (DIN)	1.25	0.25mm	0.18mm	1400BR, 1400PH, 1400FL
1400-004XFLO	4X	Achromatic Fluorescence (DIN)	0.10	17.0mm	4.5mm	1400BR, 1400PH, 1400FL
1400-010XFLO	10X	Achromatic Fluorescence (DIN)	0.25	8.0mm	1.8mm	1400BR, 1400PH, 1400FL
1400-040XFLO	40X	Achromatic Fluorescence (DIN)	0.65	0.40mm	0.45mm	1400BR, 1400PH, 1400FL
1400-100XFLO	100X (Oil)	Achromatic Fluorescence (DIN)	1.25	0.25mm	0.18mm	1400BR, 1400PH, 1400FL
1200-004XBAO	4X	Achromatic (DIN)	0.10	17.0mm	4.5mm	1200CM
1200-010XBAO	10X	Achromatic (DIN)	0.25	8.0mm	1.8mm	1200CM
1200-020XBAO	20X	Achromatic (DIN)	0.40	0.50mm	0.90mm	1200CM
1200-040XBAO	40X	Achromatic (DIN)	0.65	0.40mm	0.45mm	1200CM
1200-100XBAO	100X (Oil)	Achromatic (DIN)	1.25	0.25mm	0.18mm	1200CM
1200-004XBPO	4X	Plan Achromatic (DIN)	0.10	17.0mm	4.5mm	1200CM, 1200MM, 1200ECM
1200-010XBPO	10X	Plan Achromatic (DIN)	0.25	8.0mm	1.8mm	1200CM, 1200MM, 1200ECM
1200-025XBPO	25X	Plan Achromatic (DIN)	0.40	0.50mm	0.72mm	1200CM & 1200ECM
1200-040XBPO	40X	Plan Achromatic (DIN)	0.65	0.40mm	0.45mm	1200CM & 1200ECM
1200-100XBPO	100X (Oil)	Plan Achromatic (DIN)	1.25	0.25mm	0.18mm	1200CM, 1200MM, 1200ECM
1200-010XPAO	10X	Achromatic Phase (DIN)	0.25	8.0mm	1.8mm	1200CM
1200-020XPAO	20X	Achromatic Phase (DIN)	0.40	0.50mm	0.90mm	1200CM
1200-040XPAO	40X	Achromatic Phase (DIN)	0.65	0.40mm	0.45mm	1200CM
1200-100XPAO	100X (Oil)	Achromatic Phase (DIN)	1.25	0.25mm	0.18mm	1200CM
1200-010XPPO	10X	Plan Achromatic Phase (DIN)	0.25	8.0mm	1.8mm	1200CM & 1200ECM
1200-025XPPO	25X	Plan Achromatic Phase (DIN)	0.40	0.50mm	0.72mm	1200CM & 1200ECM
1200-040XPPO	40X	Plan Achromatic Phase (DIN)	0.65	0.40mm	0.45mm	1200CM & 1200ECM
1200-100XPPO	100X (Oil)	Plan Achromatic Phase (DIN)	1.25	0.25mm	0.18mm	1200CM & 1200ECM
1200-025XFLO	25X	Achromatic Fluorescence (DIN)	0.65	0.62mm	0.72mm	1200ECM
1200-040XFLO	40X (Glycerin)	Achromatic Fluorescence (DIN)	1.00	0.25mm	0.45mm	1200ECM
1200-025XLRO	25X	Plan Achromatic (DIN)	0.40	4.8mm	0.72mm	1200MM
1200-040XLRO	40X	Plan Achromatic (DIN)	0.60	3.3mm	0.45mm	1200MM
1200-010XLBO	10X	Plan Achromatic (DIN)	0.25	8.1mm	1.8mm	1200CMI
1200-025XLBO	25X	Plan Achromatic (DIN)	0.40	4.8mm	0.72mm	1200CMI
1200-040XLBO	40X	Plan Achromatic (DIN)	0.60	3.3mm	0.45mm	1200CMI
1200-010XLPO	10X	Plan Achromatic Phase (DIN)	0.25	8.1mm	1.8mm	1200CMI
1200-025XLPO	25X	Plan Achromatic Phase (DIN)	0.40	4.8mm	0.72mm	1200CMI
1200-040XLPO	40X	Plan Achromatic Phase (DIN)	0.60	3.3mm	0.45mm	1200CMI
1100-004XBAO	4X	Achromatic (DIN)	0.10	17.0mm	4.5mm	1100AMH
1100-010XBAO	10X	Achromatic (DIN)	0.25	8.0mm	1.8mm	1100AMH
1100-040XBAO	40X	Achromatic (DIN)	0.65	0.40mm	0.45mm	1100AMH
1100-100XBAO	100X (Oil)	Achromatic (DIN)	1.25	0.25mm	0.18mm	1100AMH

Polarizing Kits

Cat. No.	Description	For Series Models
1400-PAK	Polarizer & Analyzer	1400BR, 1400PH, 1400FL
1200-PAK	Polarizer & Analyzer	1200CM



Phase Contrast Kits & Accessories

Cat. No.	Description	For Series Models
1400-KPH	Phase Contrast Upgrade Kit -- Includes 10X, 20X, 40X, 100X, Plan Phase Contrast Objectives, Zernike Phase Condenser, & Centering Telescope	1400BR, 1400PH, 1400FL
1400-PCT	Centering Telescope, for Phase Contrast	1400BR, 1400PH, 1400FL
1200-PCT	Centering Telescope, for Phase Contrast	1200CM, 1200ECM, 1200CMI

Stage Plates

Cat. No.	Description	For Series Models
1200-SPFR	Frosted, 75mm Diameter	1200ZF, 1200ZH, 1200SH, 1200SF, 1100Z, 1100S
1200-SPBW	Black & White Reversible, 75mm Diameter	1200ZF, 1200ZH, 1200SH, 1200SF, 1100Z, 1100S



Stereo Pod Ring Adapter (Bausch & Lomb)

Cat. No.	Description	For Series Models
1200-ABLZ	Adapter For Fitting VanGuard Stereo Heads (1200Z) to Bausch & Lomb Pod Rings	1200Z Heads

Cleaning Kit, Microscope Optics

Cat. No.	Description	For Series Models
1200-MLCK	Cleaning Kit -- Includes Cleaning Liquid (30ml Bottle), Camel Hair Blower Brush, Lens Tissue, Cotton Swabs	All Microscope Models