



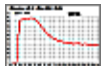
Objectives

Carl Zeiss Objectives Information

- [Description of Classes of Objectives](#)
- [Objectives Text Search](#)

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→ [Transmittance curve](#)

Magnification	63x
Numerical Aperture	1.4
Working Distance [mm]	0.19
Coverglass Thickness [mm]	0.17
Thread Type	W0.8x1/36"
Immersion	Oil
Field of View [mm]	25
Parfocal Length [mm]	45.06
Long Distance [LD]	
Correction Ring [Korr]	
Iris [Iris]	

Optical System

Flatness

Color Correction

Biomedical Applications

Fluorescence

- Multichannel
- Ultraviolet Transmission
- Infra Red Transmission

BrightField [H]

Differential Interference Contrast [DIC]

High Contrast DIC [HC DIC]

Polarization-Optical DIC [PlasDIC]

Phase Contrast [PH]

VAREL Contrast

Hoffman Modulation Contrast [HMC]

Polarization Contrast [POL]

Materials- (Reflected Light) Applications

BrightField [H]

BrightField/DarkField [HD]

Reflecting Light DIC [RL DIC]

High Contrast DIC [HC DIC]

Circular polarized light DIC [C-DIC]

Total Interference Contrast [TIC]

Polarization Contrast [POL]

Recommended for:

Confocal Microscopy

- Ultra Violet
- VIS (visible light)

NLO-IR / 2 Photon

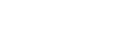
Total Internal Reflection Fluorescence [TIRF]

ApoTome

Microdissection

Objective
"Plan-Apochromat"
63x/1.40 Oil DIC
440762-9904-000

Infinity-Color-Corrected
System (ICS)

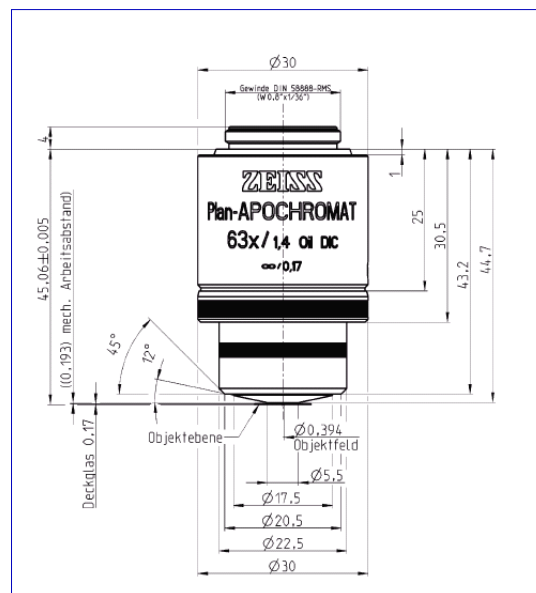


Objective Class:
Plan-Apochromat



Best field flattening, best correction,
confocal microscopy

Mechanical Dimensions



All measures in [mm]

mech.Arbeitsabstand = mechanical working distance

Deckglas = cover glass

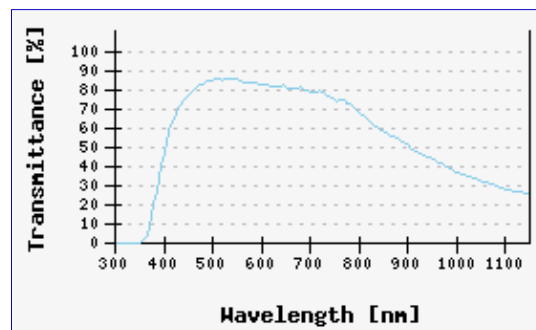
Objektebene = object plane

Objektfeld = object field

Ausleuchtung = illumination

Probenzugänglichkeit = specimen accessibility

Transmittance curve



Please note that due to production tolerances, the given values are typical only and not guaranteed.

Fitting Accessories for

440762-9904-000 Objective "Plan-Apochromat" 63x/1.40 Oil DIC

DIC slider**DIC slider PA 63x/1.4 II HC**

Condensor prism type II

426952-0000-000

[→ Picture](#)**DIC slider PA 63x/1.40 III**

Condensor prism type III

426957-0000-000

[→ Picture](#)**Other Accessories****Adapter M 27x0.75 / W 0.8 H "0"**

000000-1095-168

[→ Picture](#)**Immersion suction ring d=22.5 mm (10 pcs.)**

444822-0000-000

[→ Picture](#)**Objective heater 22.5/32.5 S1 (D)**

with oil discharge channel clamping via front dia. 22.5 mm, max. objective dia. 32.5 mm

411860-9063-000

Objective heater 22.5/32.5 with oil discharge channel

clamping via front dia. 22.5 mm, max. objective dia. 32.5 mm

000000-1116-073

Temperable Objective Ring 22.5/32.5 mm S1 (D)

clamping via front dia. 22.5 mm, max. objective dia. 32.5 mm

411882-9081-000

Immersion**Box of lens cleaning paper**

462975-0000-000

[→ Picture](#)**Immersion oil "Immersion" 518 F fluorescence free, bottle 100 ml**

(ISO 8036-1/2, n(e)=1.518 (23°C), halogen-free)

444962-0000-000

[→ Picture](#)**Immersion oil "Immersion" 518 F fluorescence free, bottle 250 ml**

(ISO 8036-1/2, n(e)=1.518 (23°C), halogen-free)

444963-0000-000

[→ Picture](#)**Immersion oil "Immersion" 518 F fluorescence free, bottle 500 ml**

(ISO 8036-1/2, n(e)=1.518 (23°C), halogen-free)

444964-0000-000

[→ Picture](#)**Immersion oil "Immersion" 518 F fluorescence free, oiler 20 ml**

(ISO 8036-1/2, n(e)=1.518 (23°C), halogen-free)

444960-0000-000

[→ Picture](#)

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