



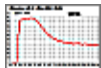
## Objectives

### Carl Zeiss Objectives Information

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→ [Transmittance curve](#)

Magnification	<b>20x</b>
Numerical Aperture	0.8
Working Distance [mm]	0.55
Coverglass Thickness [mm]	0.17
Thread Type	W0.8x1/36"
Immersion	Without Immersion
Field of View [mm]	25
Parfocal Length [mm]	45.06
Long Distance [LD]	
Correction Ring [Korr]	
Iris [Iris]	

Optical System

Infinity-Color-Corrected System (ICS)

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" 20x/0.8

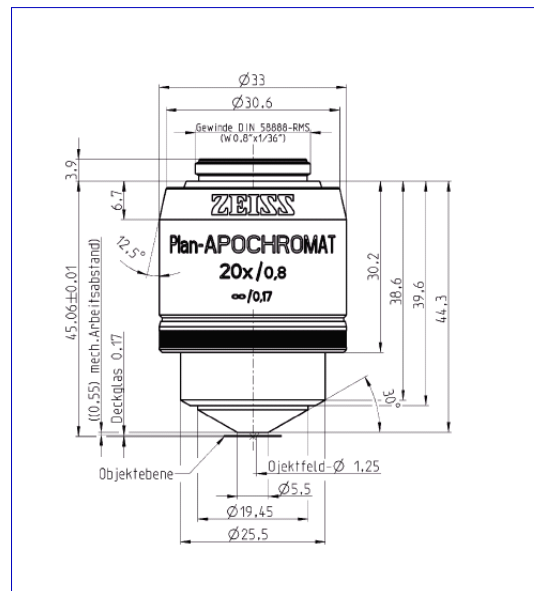
440640-9903-000

### 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

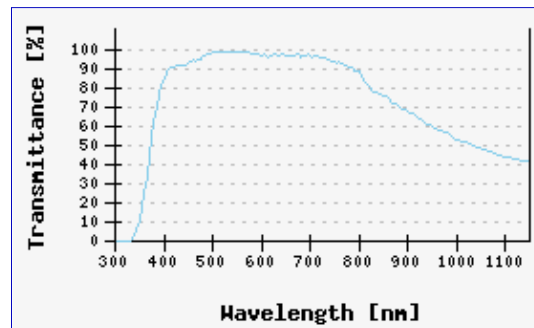
Objektenebene = object plane

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**

440640-9903-000 Objective "Plan-Apochromat" 20x/0.8

**DIC slider****DIC slider EC PN 10x/0.30 I, 20x/0.50 II, PA 20x/0.80 II**

Condensor prism type I for objectives 10x, type II for objectives 20x

426940-0000-000

[→ Picture](#)

**Other Accessories****Adapter M 27x0.75 / W 0.8 H "0"**

000000-1095-168

[→ Picture](#)

**Transmission grid L1 "ApoTome" for "Axio Imager"**

423664-0000-000

[→ Picture](#)

**Transmission grid PL "ApoTome" for "Axioplan" 2**

000000-1151-003

[→ Picture](#)

**Transmission grid VL "ApoTome" for "Axiovert" 200**

000000-1151-004

[→ Picture](#)

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