



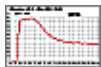
## Objectives

### Carl Zeiss Objectives Information

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

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→ [Transmittance curve](#)

|                           |                   |
|---------------------------|-------------------|
| Magnification             | <b>10x</b>        |
| Numerical Aperture        | 0.25              |
| Working Distance [mm]     | 4.8               |
| Coverglass Thickness [mm] | 0.17              |
| Thread Type               | W0.8x1/36"        |
| Immersion                 | Without Immersion |
| Field of View [mm]        | 23                |
| 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 "Achromplan" 10x/0.25

440030-0000-000

10x

0.25

4.8

0.17

W0.8x1/36"

Without Immersion

23

45.06

Infinity-Color-Corrected  
System (ICS)

★★

★★★★

★★

★★

★★★★

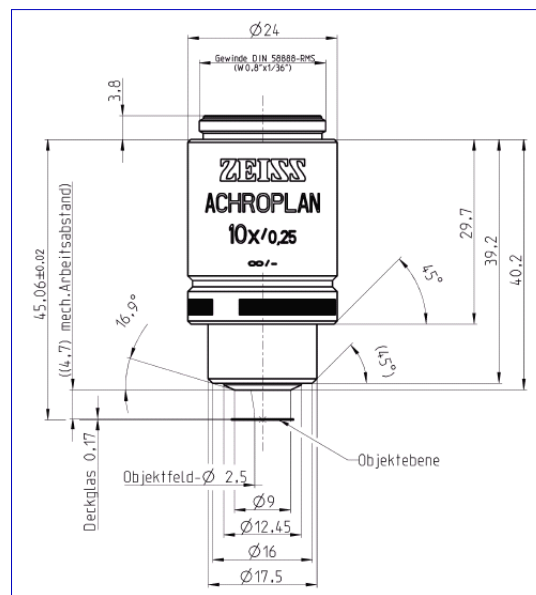
★★

### Objective Class: Achromplan



Objectives in many versions for  
diverse applications

### Mechanical Dimensions



All measures in [mm]

mech.Arbeitsabstand = mechanical working distance

Deckglas = cover glass

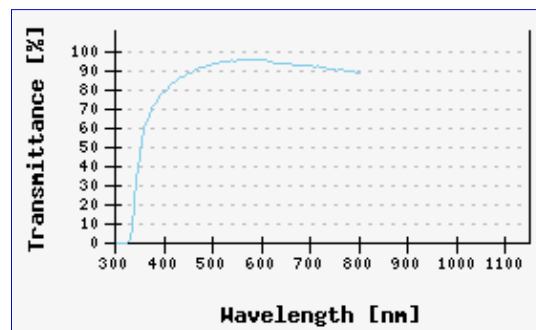
Objektebene = object plane

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**

440030-0000-000 Objective "Achromplan" 10x/0.25

**Other Accessories**

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

000000-1095-168

[→ Picture](#)

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