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## Objective Assistant

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
[+ Objective Assistant](#) [+ List of Objectives](#)

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### Objective data

[PDF Brochure: Objectives from Carl Zeiss \(5 MB\)](#)

**Objective Class: EC Plan-Neofluar**  
 Best universal objectives, ideal for fluorescence, high transmission →

 **Objective EC Plan-Neofluar 40x/0.75 M27**  
 420360-9900-000

[→ Transmittance curve](#)

Price	<a href="#">→ Price</a>
Magnification	40x
Numerical Aperture	0.75
Working Distance [mm]	0.71
Coverglass Thickness [mm]	0.17
Thread Type	M27x0.75
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)	
PlasDIC Contrast	
Phase Contrast (PH)	
VAREL Contrast	
Hoffman Modulation Contrast (HMC)	
Polarization Contrast (POL)	

**Materials (Reflected Light) Applications**

BrightField (H)	
BrightField/DarkField (HD)	
Reflected Light DIC (RL DIC)	
High Contrast DIC (HC DIC)	
DIC with circular polarized light (C-DIC)	
Total Interference Contrast (TIC)	
Polarization Contrast (POL)	

**Options**

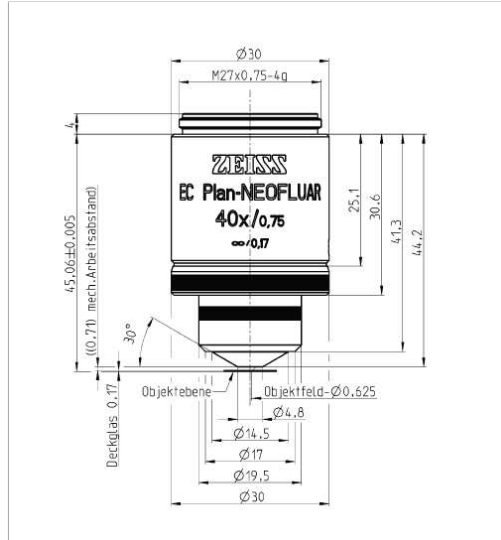
Confocal Microscopy	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★
NLO-IR / 2 Photon	★★
Total Internal Reflection Fluorescence (TIRF)	
ApoTome	■

### Objective EC Plan-Neofluar 40x/0.75 M27



(WD=0.71mm), incl. Cover glasses, high performance, D=0.17mm, box with 100 pc.

### Mechanical Dimensions

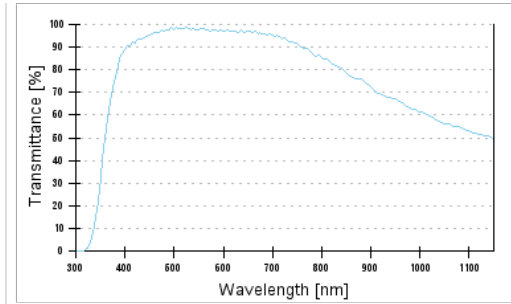


All measures in [mm]

mech. Arbeitsabstand = mechanical working distance  
 Deckglas = cover glass  
 Objektbene = object plane  
 Objektfeld = object field  
 Ausleuchtung = illumination  
 Probenzugänglichkeit = specimen accessibility

### Transmittance curve

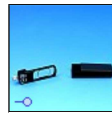
Microdissection



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

**Fitting Accessories for**  
420360-9900-000 Objective EC Plan-Neofluar 40x/0.75 M27

**DIC sliders**



**DIC slider EC PN 40x/0.75 II, EC PN 100x/1.30 III**  
Order Number: 426945-0000-000

[Price](#)

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**The contents of the basket can be:**  
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**Other Accessories**



**Adapter 30mm with optics and DIC slider mount**  
Order Number: 424516-9040-000  
for adaptation of objectives M27 with parfocal length of 45 mm

**Note:** This item is no longer available.

[Price](#)

[Compatibility](#)



**Adapter 30mm with optics and DIC slider mount**  
Order Number: 424516-9041-000  
for adaptation of objectives M27 with parfocal length of 45mm

[Price](#)

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**Cover glasses, high performance, D=0.17mm, box with 1000 pc.**  
Order Number: 474030-9000-000  
Size 18x18 mm<sup>2</sup> type 1 1/2 H as per ISO 8255-1 with restricted thickness-related tolerance D=0.17 mm +/- 0.005 mm refractive index ...

[Price](#)

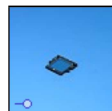
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**Objective ring ACR for objective sleeve cylindrical long**  
Order Number: 424511-0000-000

[Price](#)

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**Transmission grid H1 ApoTome for Axio Imager**  
Order Number: 423662-0000-000

[Price](#)

[Compatibility](#) [Basket](#)



**Transmission grid PH "ApoTome"**  
Order Number: 000000-1151-001  
for Axio plan 2

**Note:** This item is no longer available.

[Price](#)

[Compatibility](#)



**Transmission grid VH ApoTome**  
Order Number: 000000-1151-002  
for Axio Observer and Axiovert 200

[→ Price](#)

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