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## Objective Assistant

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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 →



[→ Transmittance curve](#)

**Objective EC Plan-Neofluar 5x/0.16 M27**  
**420330-9901-000**

Price	<a href="#">→ Price</a>
Magnification	5x
Numerical Aperture	0.16
Working Distance [mm]	18.5
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)	★★★★

#### Materials (Reflected Light) Applications

High Contrast DIC (HC DIC)	
PlasDIC Contrast	
Phase Contrast (PH)	
VAREL Contrast	
Hoffman Modulation Contrast (HMC)	
Polarization Contrast (POL)	
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

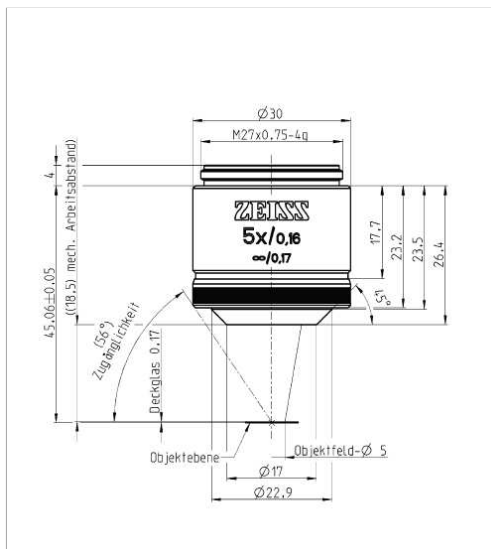
Confocal Microscopy	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★
NLO-IR / 2 Photon	★★
Total Internal Reflection Fluorescence (TIRF)	
ApoTome	

#### Objective EC Plan-Neofluar 5x/0.16 M27



(WD=18.5mm)

#### Mechanical Dimensions

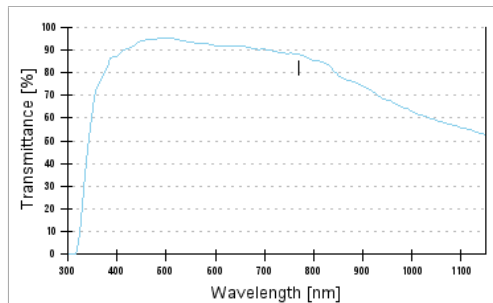


All measures in [mm]

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

#### Transmittance curve

Microdissection



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

**Fitting Accessories for**  
420330-9901-000 Objective EC Plan-Neofluar 5x/0.16 M27

**DIC sliders**



**DIC slider EC PN 5x/0.16 0, W N-ACP 10x/0.3 I**  
Order Number: 426960-0000-000

[Price](#)

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

**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

[Price](#)

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

[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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**Objective ring ACR for objective sleeve cylindrical short**  
Order Number: 424508-0000-000

[Price](#)

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