

4X DIN Achromatic Finite Intl Standard Objective



Stock #33-436 **10 In Stock**

⊖ 1 ⊕ £52.⁰⁰

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-9 | £52.00 each |
| Qty 10-24 | £46.80 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Compatible Tube Lens Focal Length (mm):
Focal Length: 160mm

Type:
Achromatic

Style:
Finite Conjugate

Note:
Designed to include a cover glass with 0.17mm in thickness

Physical & Mechanical Properties

Field of View (mm):

5

Length excluding Threads (mm):

29.20

Maximum Diameter (mm):

25

Weight (g):

27.8

Optical Properties

Design Wavelength DWL (nm):

546

Focal Length FL (mm):

40.00

Magnification:

4X

Numerical Aperture NA:

0.10

Depth of Field (μm):

109.08

Field of View, 18 Diameter Field Eyepiece (mm):

4.50

Working Distance (mm):

26.0

Wavelength Range (nm):

400 - 700

Field Number (mm):

20

Parfocal Length (mm):

55.2

Immersion Liquid:

N/A

Threading & Mounting

Mounting Threads:

RMS / 20.32mm x 36 TPI

Environmental & Durability Factors

Operating Temperature ($^{\circ}\text{C}$):

+10 to +40

Operating Humidity:

Max 85% at 35 $^{\circ}\text{C}$ with no condensation

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Product Details

- For Use with RMS Thread Microscopes
- AR Coated Optics
- 4X to 100X Magnifications Available

International Standard Microscope Objectives can be used with most major brands of microscopes that utilize RMS mounting threads. Our product offering features DIN 45mm standard objectives with achromatic and semi-plan designs. The achromatic design ensures proper color correction for broadband white light sources, while semi-plan designs have an added feature to create a flatter image field. International Standard Microscope Objectives include AR-coated optics to ensure maximum transmission and reduce internal reflections in the optical assembly. All 20X to 100X objectives have spring-loaded (retractable) front ends to prevent slide damage.

Note: Oil immersion is recommended for all 100X objectives with an NA higher than 1.0 (part number [#86-834](#)).

Technical Information

DIN Objectives - Micro Plan



DIN Objectives - Achromatic



DIN Objectives - Achromatic



| Magnification | A | B | C |
|---------------|--------|------|--------|
| 4X | 23mm | 24mm | 21mm |
| 10X | 44.3mm | 24mm | 21.5mm |
| 20X | 47.5mm | 24mm | 22mm |
| 40X | 48.5mm | 24mm | 22mm |
| 60X | 48.1mm | 24mm | 22mm |
| 100X | 48.5mm | 24mm | 22mm |

| Magnification | A | B | C |
|---------------|--------|------|--------|
| 4X | 34.3mm | 25mm | 21.5mm |
| 10X | 42.4mm | 25mm | 23mm |
| 40X | 48.1mm | 25mm | 23mm |
| 100X | 48.7mm | 25mm | 23mm |