

## 10X EO HR Infinity Corrected Objective



10XEO HR Infinity Corrected Objective (#58-372)

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### Product Downloads

### General

28-20-45-000 **Model Number:**

**Compatible Tube Lens Focal Length (mm):**  
Focal Length: 200mm

Microscope Objective **Type:**

Infinity Corrected **Style:**

## Physical & Mechanical Properties

Length excluding Threads (mm):

76.00

Maximum Diameter (mm):

34

Weight (g):

205.00

## Optical Properties

Horizontal Field of View, 1/2" Sensor:

0.64mm

Horizontal Field of View, 2/3" Sensor:

0.88mm

Field Stop Diameter (mm):

11.00

Focal Length FL (mm):

20.00

Magnification:

10X

Numerical Aperture NA:

0.45

Resolving Power ( $\mu\text{m}$ ):

0.74

Depth of Field ( $\mu\text{m}$ ):

2.70

Working Distance (mm):

19.00

Wavelength Range (nm):

400 - 700

Parfocal Length (mm):

95

Immersion Liquid:

N/A

## Threading & Mounting

Mounting Threads:

M26 x 36 TPI

## Environmental & Durability Factors

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

+23  $\pm$ 5

Operating Humidity:

30 - 70%

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

## Product Details

- High Resolving Power
- Designed for use in Zoom Lens Systems
- Features Mitutoyo Standard M26 x 36 TPI Threads

EO High Resolution Infinity Corrected Objectives are designed for high resolution over a small field of view. These objectives feature Mitutoyo standard M26 x 36 TPI threads and a 95mm parfocal length which allows them to be used interchangeably with Mitutoyo microscopes and accessories. While usable with Mitutoyo microscopes and accessories, these objectives perform best when used in a zoom lens system. EO High Resolution Infinity Corrected Objectives feature near-diffraction limited on axis performance. For longer working distance objectives that can be used in Mitutoyo systems, see our [EO Infinity Corrected Long Working Distance Objectives](#).

## Technical Information



