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10X Mitutoyo WLI Plan Apo Objective

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10X Mitutoyo WLI Plan Apo Objective

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General

Model Number:
378-401

Compatible Tube Lens Focal Length (mm):
Focal Length: 100mm

Style:
Infinity Corrected

Manufacturer:
Mitutoyo

Note:

Designed to be used with a 100mm Tube Lens, Sold Separately

Physical & Mechanical Properties

Length (mm):
54.00

Maximum Diameter (mm):
40.00

Weight (g):
220.00

Optical Properties

Horizontal Field of View, 2/3" Sensor:
0.88mm

Focal Length FL (mm):
10.00

Magnification:
10X

Numerical Aperture NA:
0.38

Resolving Power (µm):
0.72

Depth of Field (µm):
1.90

Working Distance (mm):
6.00

Field Number (mm):
11.00

Parfocal Length (mm):
60.00

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Mounting Threads:
RMS/20.32mm x 36 TPI

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Ideal for Interferometry Applications
- Long Working Distances and High Numerical Apertures
- High-Quality Plan Apochromatic Design

Mitutoyo WLI Plan APO Infinity Corrected Objectives are high-resolution plan apochromatic objectives featuring high numerical apertures designed for use in white light interferometry applications. These objectives ensure long parfocal working distances of 60mm while maintaining a more compact and lightweight design. Each objective incorporates an interference fringe adjustment mechanism and internal beam splitter for precise measurements and control of the interference fringe pattern. Mitutoyo WLI Plan APO Infinity Corrected Objectives are available with magnifications ranging from 2.5 – 50x and are designed for use with 100mm focal length tube lenses. These objectives are ideal for white light interferometry applications such as Vertical Scanning Interferometry (VSI), 3D Surface Profiling, Dispersion & Reflection Measurement, and Medical Imaging.

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