

40M-M100-37

Micro Focus Optics



FEATURES

Micro focus optics used for focussing the collimated radiation exiting a fiber collimator.

- Attachment optics for fiber collimators type [60FC-L](#) or [60FC-T](#) with outer diameter Ø 55 mm
- Focal length $f' = 100$ mm
- AR Coating 740 - 1550 nm
- Achromatic correction

DESCRIPTION

The Micro Focus Optics type 40M-M100-37 is used to generate a small laser spot from the collimated radiation of a fiber collimator.

The [size of the spot](#) and its [Rayleigh range](#) is determined by the fiber properties and by the focal lengths of the fiber collimator and of the micro focus optics. For single-mode fibers the Gaussian intensity distribution and beam shape are maintained.

It is designed for the fiber collimators series [60FC-L](#) or [60FC-T](#) with an outer diameter Ø 55 mm.

Adjustment:

In order to change the working distance of the Micro Focus Optics the lens position of the adjacent collimator has to be readjusted.

Housing material:

As standard, the housing of the Micro Focus Optics is made of nickel silver.

For amagnetic fiber collimators Schäfter+Kirchhoff offers Micro Focus Optics with housings made of titanium.

TECHNICAL DATA

40M-M100-37

Series

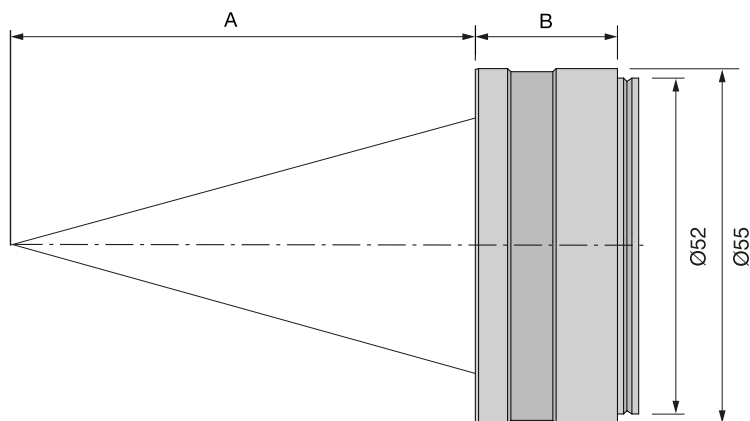
40M

Order Code

40M-M100-37

Focal length	100 mm
Working distance A	
AR coating	37
Wavelength range	750 - 1550 nm
Lens type	Doublet optics
Correction	Achromatic
Numerical aperture	0.24
Clear aperture	Ø 49 mm
Outer diameter	Ø 55 mm
Length B	22 mm
System mount	Ø 52 mm
Front fitting	For system mount Ø 52 mm
Housing material	Black anodized aluminum
Weight	
RoHS compliant	

Dimensions (for a complete dimensional drawing please refer to the downloads section)



DOWNLOADS



[980241290100.pdf \(Dimensional drawing\)](#)



[Coating-3700-02.pdf \(Coating curve\)](#)

ACCESSORIES

9D-12

Screwdriver WS 1.2

RELATED PRODUCTS

**MICRO FOCUS OPTICS
SERIES 40M**for transforming a collimated beam into a micro focus
spot**ATTACHMENT OPTICS
SERIES 40**to attach in the front of collimators for diameter Ø52
mm

This is a printout of the page <https://sukhamburg.com/products/details/40M-M100-37> from 5/2/2024

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