

## 25M-M75-37

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 32 mm
- Focal length  $f' = 75$  mm
- AR Coating 750 - 1550 nm
- Achromatic correction

## DESCRIPTION

The Micro Focus Optics type 25M-M75-37 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 32 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

25M-M75-37

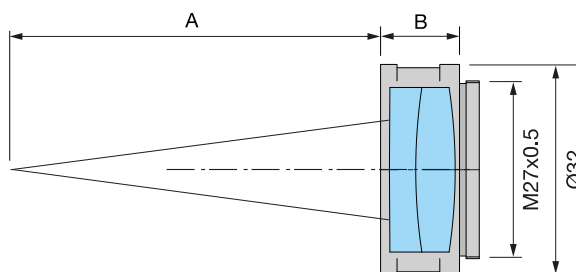
Series

25M

Order Code

25M-M75-37

Focal length	75 mm
Working distance A	66.7 ± 0.4 mm
AR coating	37
Wavelength range	750 - 1550 nm
Lens type	Doublet optics
Correction	Achromatic
Numerical aperture	0.18
Clear aperture	Ø 23.4 mm
Outer diameter	Ø 32 mm
Length B	12 mm
System mount	M27 x 0.5 mm
Front fitting	-
Housing material	Black anodized aluminum
Weight	
RoHS compliant	
Dimensions (for a complete dimensional drawing please refer to the downloads section)	



## DOWNLOADS



[980241290200.pdf \(Dimensional drawing\).](#)



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

## RELATED PRODUCTS

**MICRO FOCUS OPTICS  
SERIES 25M**

for transforming a collimated beam into a micro focus spot

**ATTACHMENT OPTICS  
SERIES 25**

to attach in the front of collimators with M27x0.5 thread

This is a printout of the page <https://sukhamburg.com/products/details/25M-M75-37> from 5/6/2024

## CONTACT

For more information please contact:

**Schäfter + Kirchhoff GmbH**

**Kieler Str. 212**

**22525 Hamburg**

**Germany**

**Tel: +49 40 85 39 97-0**

**Fax: +49 40 85 39 97-79**

**[info@sukhamburg.de](mailto:info@sukhamburg.de)**

**[www.sukhamburg.com](http://www.sukhamburg.com)**

## LEGAL NOTICE

**Copyright 2020 Schäfter+Kirchhoff GmbH. All rights reserved.**

Text, image, graphic, sound, video and animation files and their arrangement on Schäfter+Kirchhoff GmbH webpages are protected by copyright and other protective laws. The content may not be copied for commercial use or reproduced, modified or used on other websites. [\[more\]](#)