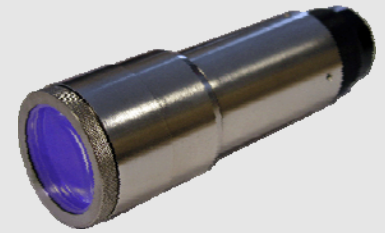


# Processing Head (PHFO) COMPACT Series Diode Laser System

## Features

This processing head with  $f=100\text{mm}$  (standard focal length)<sup>1</sup> is intended to be used with Compact Series along with an RQB or QBH fiber coupling. The processing head is connected to the diode laser using a fiber connector with RQB/QBH.

Having a compact housing this processing head can easily be integrated into the laser process.



Optical		Standard		Optional	
Connector		RQB or QBH	RQB or QBH	RQB or QBH	RQB or QBH
Numerical Aperture	NA	0.22	0.22	0.22	0.22
Focal Length	mm	100	60	50 <sup>2</sup>	38 <sup>2</sup>
Working Distance (Stand Off)	mm	95	54	38	25
Output Aperture	mm	40	40	40	40

Weight					
Weight	kg	0.66	0.66	0.66	0.66

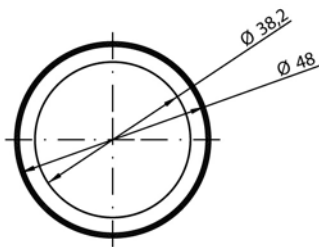
Fiber	$\mu\text{m}$	400	400	400	400
Focal Size <sup>1</sup>	mm	0.6 $\pm$ 0.05	0.4 $\pm$ 0.05	0.3 $\pm$ 0.05	0.25 $\pm$ 0.05

<sup>1</sup>Focal dimensions of diode lasers can deviate in practice depending on measuring method by  $\pm 10\%$ .

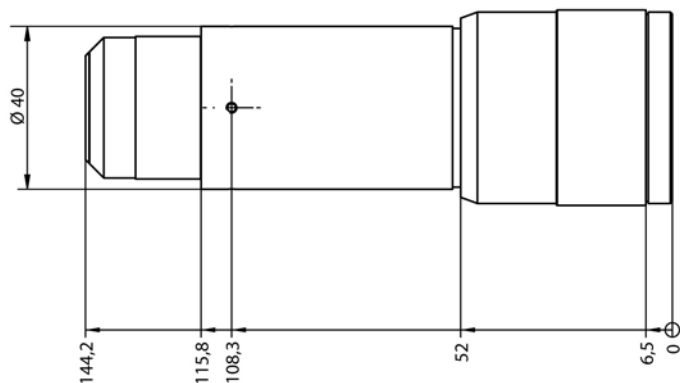
<sup>2</sup>With additional meniscus lens adapter.

<sup>3</sup>For standard focal length  $f=100$ .

Package Dimensions <sup>3</sup>		
Length	mm	144.2
Diameter	$\varnothing$	48



Spot size, see table above



### U.S. CFR Regulation

The manufacturer and subsequent sale of laser equipment is under the guidelines governed by the U.S. Center for Devices and Radiological Health (CDRH). In accordance to those guidelines, specifically Subchapter J of the Radiation Standards, 21 CFR, the diode laser is registered as a CLASS 4 laser product.

### European Commission

In accordance to EN 60825, Safety of Laser Products, the diode laser is registered as a CLASS 4 laser product.

Products specifications are subject to change without notice. For handling precautions, please reference the general handling instruction manual. For additional information, please contact your local sales representative or visit our website at [www.dilas-ils.com](http://www.dilas-ils.com).

**DILAS Industrial Laser Systems**  
a division of DILAS Diodenlaser GmbH  
Galileo-Galilei-Straße 10  
55129 Mainz  
Germany

Phone: +49 (6131) 9226 400  
Fax: +49 (6131) 9226 444  
Email: [sales@dilas-ils.com](mailto:sales@dilas-ils.com)  
[www.DILAS-ILS.com](http://www.DILAS-ILS.com)