

Cobolt Fiber Coupling housing FIC-02

Laser housing for direct attachment of fiber couplers

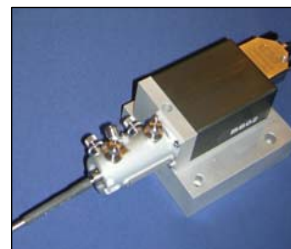
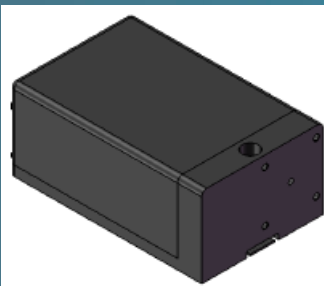
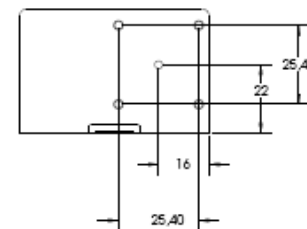
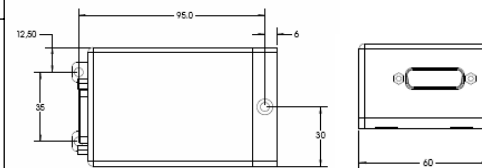
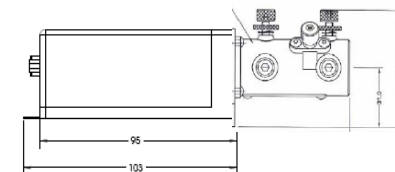
Fiber coupling options are available for all visible Cobolt lasers. The option FIC-02 described here consists of a laser housing especially designed to mount the fiber coupler onto and is suitable for all Cobolt 04-01 laser models. Fiber coupling options for either multimode fiber (MM) or singlemode polarization maintaining (SM/PM) fiber are available. For MM fiber coupling we offer a receptacle style coupler (with angled FC/PC connector) and MM fiber from Oz Optics. For singlemode PM fiber coupling we offer pre-aligned solutions from Point Source. The output is either collimated to 0.7mm beam diameter or non-collimated, with an APC or FCP8 connector.

The housing is also available with no fiber coupler for customers who already have a coupling solution. For other options please contact the factory.

Specifications

	SM/PM (Singlemode / polarization maintaining)	MM (Multimode)
Fiber core size	3.5 μ m	100 μ m
Coupling efficiency	>60%	>80%
Dimensions (LxHxW) [mm] [inches]	Point Source coupler 167 x 60 x 40 6.6 x 2.4 x 1.6	Oz Optics coupler 40 x 33 x 33 1.6 x 1.3 x 1.3
Mounting screws for coupler & laser base	M3	M3
Output beam diameter (if collimated)	0.7 \pm 0.05 mm	
FIC-02 is suitable for use with laser models 457 nm - 594 nm	Cobolt Twist™ Cobolt Blues™ Cobolt Calypso™ Cobolt Fandango™ Cobolt Samba™ Cobolt Jive™ Cobolt Mambo™	
Laser head dimensions [mm] [inches]	103 x 60 x 40 4.1 x 2.4 x 1.6	
Controller dimensions [mm] [inches]	190 x 72 x 28 7.6 x 2.9 x 1.1	

Dimensions



Subject to change without notice. Rev 1006.

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Class 3B (IEC60825-1), IEC60950-1, UL 60950-1