

FIC-o2 Fiber coupling housing

Laser housing for direct attachment of fiber couplers

Fiber coupling options are available for all visible Cobolt lasers. The option FIC-o2 described here consists of a laser housing especially designed to mount the fiber coupler onto and is suitable for all Cobolt o4-o1 laser models. Fiber coupling options for either multimode fiber (MM) or singlemode polarization maintaining (SM/PM) fiber are available and need to be ordered separately. 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



An example of FIC-o2 with Qioptiq SM/PM fiber coupler.

Specifications

Cobolt model number	FIC-o2
FIC-o1 is suitable for use with laser models o4-o1	Cobolt Twist™ 457nm Cobolt Blues™ 473nm Cobolt Calypso™ 491nm Cobolt Fandango™ 515nm Cobolt Samba™ 532nm Cobolt Jive™ 561nm
Laser head dimensions [mm] [inch]	103 x 60 x 40 4.1 x 2.4 x 1.6
Laser head dimensions [mm] [inch]	190 x 72 x 28 7.6 x 2.9 x 1.1

NOTE: This fiber coupling option is CE Marked/CDRH compliant ONLY when the fiber coupler solution is purchased from Cobolt. In all other cases the FIC-o2 is an OEM product.

