

FIC-03

Mounting mechanics for 04-01 Series lasers and the Dual Combiner for direct attachment of fiber couplers

Fiber coupling options are available for all visible Cobolt lasers. The option FIC-03 described here is recommended for 04-01 Series lasers and the Dual Combiner. This option consists of a heatsink/mounting plate and a coupling block to mount the fiber coupler onto. Fiber coupling options for either multimode fiber (MM) or singlemode polarization maintaining (SM/PM) fiber can be supplied.

This FIC-03 is also available with no fiber coupling for customers who already have a coupling solution. To ensure operation within given specifications and for the warranty to be valid, the laser head must be attached to a heatsink providing good thermal resistance and it is recommended to use a thermal heat compound between the laser head and the heat sink to provide good thermal contact. The FIC-03 can be bolted to a standard metric optical table.

Specifications

Cobolt model number	FIC-03
Thermal resistance	>1.2 K/W
Material	Aluminium
FIC-03 is suitable for use with laser models 04-01 and Cobolt Dual Combiner™:	Cobolt Twist™ 457nm Cobolt Blues™ 473nm Cobolt Calypso™ 491nm Cobolt Dual Calypso™ 491+532nm Cobolt Fandango™ 515nm Cobolt Samba™ 532nm Cobolt Jive™ 561nm
Laser head dimensions [mm] [inch]	260 x 140 x 56 10.2 x 5.5 x 2.2

