HS-03
Heatsink for Cobolt 04-01 and 06-01 Series lasers

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. This value is the difference between the maximum operating laser base plate temperature (50°C) and the maximum ambient temperature at the air-heatsink interface (40°C), divided by the maximum power dissipated from the laser head (~20W). The mounting surface should be flat (within 0.05 mm over mounting surface). The heatsink supercedes HS-01 and is designed to accommodate all Cobolt laser model 04-01 Series and 06-01 Series footprints and can be bolted to a standard metric optical table for use in a constant ambient temperature environment.

Specifications

<table>
<thead>
<tr>
<th>Cobolt model number</th>
<th>HS-03</th>
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<tbody>
<tr>
<td>Thermal resistance</td>
<td>&lt;0.85 K/W</td>
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<tr>
<td>Material</td>
<td>Aluminium</td>
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</tbody>
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HS-03 is suitable for use with laser models 04-01 and 06-01:
- Cobolt Twist™
- Cobolt Blues™
- Cobolt Calypso™
- Cobolt Fandango™
- Cobolt Jive™
- Cobolt Samba™
- Cobolt Mambo™
- Cobolt MLD™ 405nm
- Cobolt MLD™ 445nm
- Cobolt MLD™ 473nm
- Cobolt MLD™ 488nm
- Cobolt MLD™ 515nm
- Cobolt MLD™ 538nm
- Cobolt MLD™ 660nm

Dimensions [mm] [inches]
- 166 x 117.8 x 54
- 6.5 x 4.6 x 2.1