



Thank you for buying Phaetus' Dragonfly BMS Hotend.

Product Appearance Product Features

Exclusive Choice for High Configuration





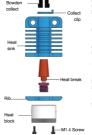
Compatible with all filaments, including: PLA, ABS, PETG, TPU, PP, PC, Nylon, PEEK, PEI and composite materials containing abrasive additives, such as carbon fiber, steel, wood, boron carbide, tungsten and phosphorescent pigment.

Specifications



Hexagon bar (1.27/1.50/2.00 each)
Open wrench (5mm/12mm each)
M1.4 Inner hexagon screws "2pcs
M3 Fastening screws "2pcs
Collect clip" 1pcs
Brass tube "1pcs
Silicone sock "1pcs
Thermal conductive silicone "1pcs

Product Exploded View Product Advantage



M1.4 Screw

Supported 3D Printer Models

- Overall high temperature resistance up to 500°C.
- Low roughness of heat break.
- The inner hole roughness of the heat break ≤Ra0.3, which allow a smoother movement of filament.
- High printing precision, no filament plugging.

Dragonfly Hotend is compatible with the following models (including but not limited to):



To view the version of this Dragonfly Hotend product , see the information on the packaging.



Phætus®

Welcome
Bienvenu
Willkommen
Bienvenida
Välkommen

using Dragonfly Hotend And discover all the amazing things it can do on a 3D printer

Assembly Steps

 Insert the bowden collect into the top of the adaptor, and stick the collect clip between the bowden collect and the adaptor to fix the bowden collect.



3. Screw the heat break into the side - A of heat block by using 5mm open - ended wrench (Attention: Side - A of heat block should be completely attached to the heat break).



nk rib
4, Put the heat break and heat
at the
block into the heat sink (Attention:
to the
flow that the holes on the rib
are aligned with the threaded
results
are aligned with the threaded
are dispread on the heat sink, and the
direction of the countersunk holes
on the heat sink are consistent
with the direction of the heating
and holes on the heat block),



Put two M1.4 screws into the rib and use 1.27 hexagonal bar for locking.



 Screw two M3 head screws into the correct holes on the B - side of the heat block respectively by using 1.5 have consider.



7. Put the silicone sock onto the heat block.



8. If a glass ball thermocouple is used, the thermocouple should be first put into a brass tube (brass tube as shown below), and the port should be sealed with a thermal conducting adhesive (attached), then put it into a heat block, and be secured with a jackscrew.





Hot - Tightening

 Hot - tightening is the last mechanical step before Dragonfly Hotend is ready! This is used to sealing the nozzle and the heat break and ensuring no leakage of molten filament during printing;

2. Set the temperature of Hotend at 285°C by using your printer's control software (or LCD screen), then wait for one minute after the Hotend reaching 285°C, to make all components reach the same temperature;

emperature;
3. Hold the heat block with a
12.0mm open - ended wrench
while fastening the nozzle gently,
then eventually fightening the
nozzle by using a 7.8mm openended wrench. This will make the
nozzle and the heat break
attached tightly and ensure no
leakage from the Hotend;

4. The tightening torque of the hot nozzle is about 2.5 Nm, which is about the pressure exerted by a finger slightly on a small wrench.

ATTENTION: Do not touch the hotend directly with your hands during heating and within a period of time after heating

and within a period of time after her www.phaetus.com

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