



1/6



DDB Extruder + V6 HOTEND

Trianglelab MK8 Bowden Extruder DDB Extruder + V6 HOTEND Dual Drive Extruder For 3d Printer High Performance For I3 3D Printer

★★★★★ 0.0 (0 Reviews) 0 sold

\$53.90 **\$45.82**

MODE: DDB 12V ALL-METAL

[DDB 12V All-metal](#)[DDB 24V All-meta](#)[DDB 12V Bore 4.1mm](#)[DDB 24V Bore 4.1mm](#)[DDB 12V PTFE lining](#)[DDB 24V PTFE lining](#)

QUANTITY

1

SHIPPING: FREE SHIPPINGto United States via YANWEN Express <https://www.17track.net>

Estimated Delivery Time: 20-30day

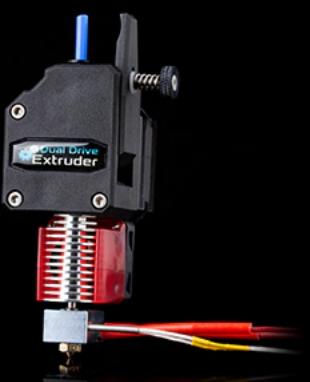
[ADD TO CART](#)[BUY NOW](#)Powered by **PayPal** [Add to Favorites \(0\)](#)**Description**

Trianglelab

DDB Extruder +V6 Hotend

The DDB utilizes an internal gearing ratio of 3:1 together with precision cnc-machined hardened-steel drive gears to give you a compact powerhouse for all your applications

[Read More](#)



If you need to send UPS/Fedex/TNT/DHL, please contact us. We need to discuss the freight with you.

The trianglelab has always been concerned about product quality. We are developing products and working hard to improve the quality. We will not abandon our reputation because of many cheap products on the market. It is believed that only high quality products can ensure the quality of your work and bring safety to your work.

Some of our products may be more expensive than others, but please believe in our quality and believe that you will not regret when you receive the goods.





DDB V1.0(left)

**UPGRADE
+ DDB V2.0(right)**

Thank you very much for

purchasing high quality accessories manufactured by trianglelab. Although our accessories are more expensive, we do not sell low-quality cheap products to our customers. Every customer is our good friend. We will treat every friend who trusts us sincerely.

The DDB utilizes an internal gearing ratio of 3:1 together with precision cnc-machined hardened steel drive gears to give you a compact powerhouse for all your applications. Whether you require high resolution prints with small nozzles or high-flow prints with big nozzles the optimized gearing ratio combined with our industry leading drive gears provides unparalleled pushing power and lightning fast retractions in a lightweight and compact package.

Very important notice!

Version upgrade notice: All DDB right-handed orders after September 19, 2020 will be upgraded to V2.0. The left-hand DDB still maintains the old model (no upgrade plan for the time being).

Orders made before September 19, 2020 will receive the old version of DDB. Please check the relevant upgrade analysis for specific upgrade content.

The old DDB only needs to purchase the new version of the shell to complete the upgrade.

The purchase address of the right-hand version of the DDBshell:

<https://www.aliexpress.com/item/1005001487288215.html>

DDB Direct Drive & Bowden Extruder

*Installation demo



■ Analysis of the highlights of the upgrade:

- 1: The position of the gear and the accuracy of all screw holes are calibrated.
- 2: Modified the new buckle, both sides of the V2.0 version of the DDB extruder support filament in and out (that is, it has no specified directionality, and you use either side of it as a material port)
- 3: The filament has an independent motion cabin inside the extruder. The white filament guide is made of a mixed material with lubricating properties. Its interior is very smooth, and it can withstand your crazy parameter settings.

4: A gap is reserved on the top to correspond to the threaded screw rod of the ender3 printer.

5: Brand new mixed materials, the shell is more rigid and tough.



Package list

*All package options do not include stepper motors.

DDB Extruder X 1

screws A package

*Simple tool A package(Gift)

High quality nozzle*0.4MM(1.75MM for HOTEND) X 1

heat break(1.75MM for HOTEND) X 1

Aluminum V6 Heater Block for V6 hotend(for Sensor Cartridges) X 1

*Compatible pt100 sensor

Aluminium Heatsink X 1

Cooling fan(12V or 24V) X 1

Fan bracket X 1

Thermistor Cartrodge X 1

Heater Cartridge(12V or 24V) X 1

V6 SOCKS X 1(Gift)

◆ Please read here carefully!

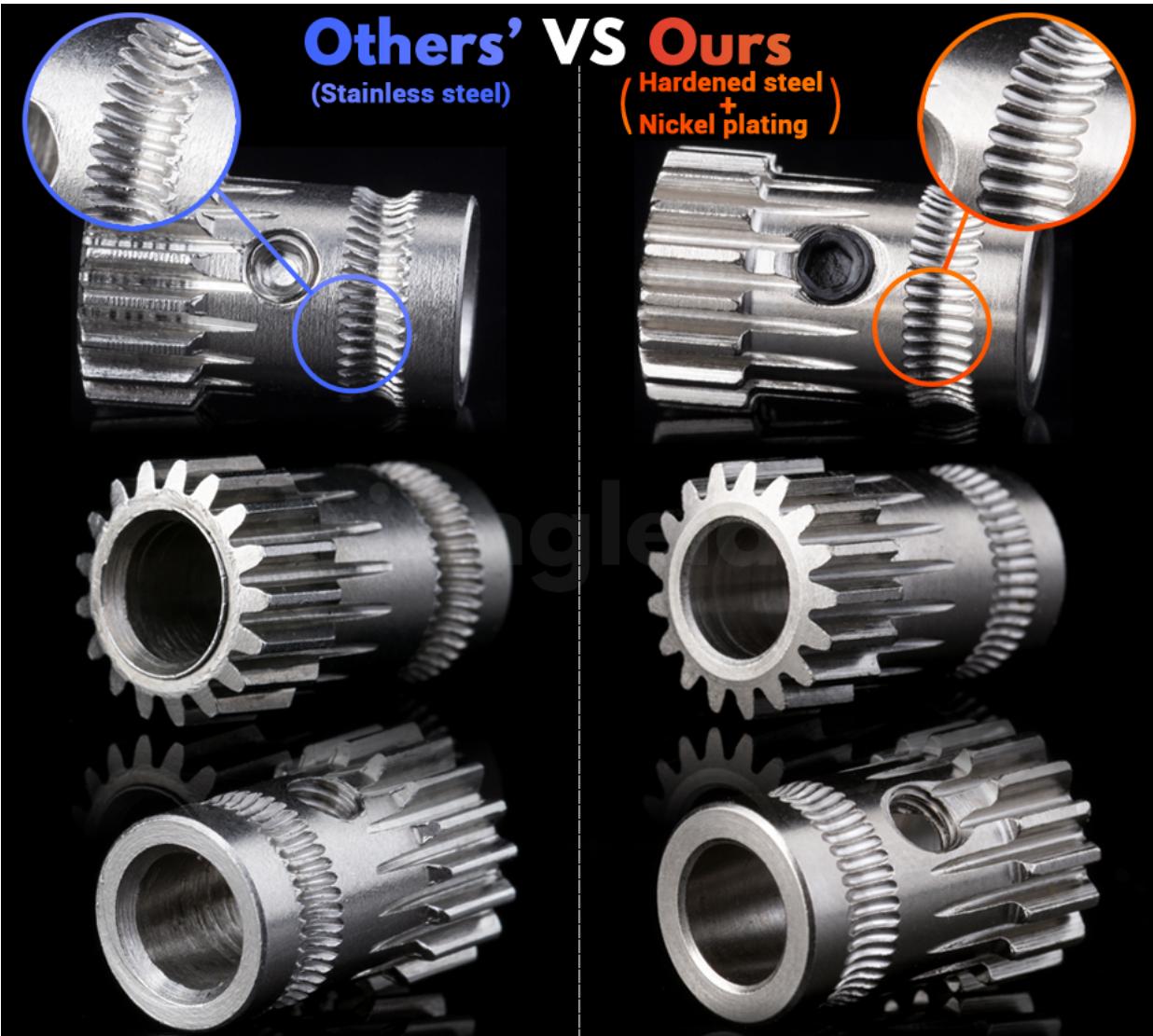
In a long period of use. There may be a drop in color. But this does not affect the sharpness of the gear.



Others' VS Ours

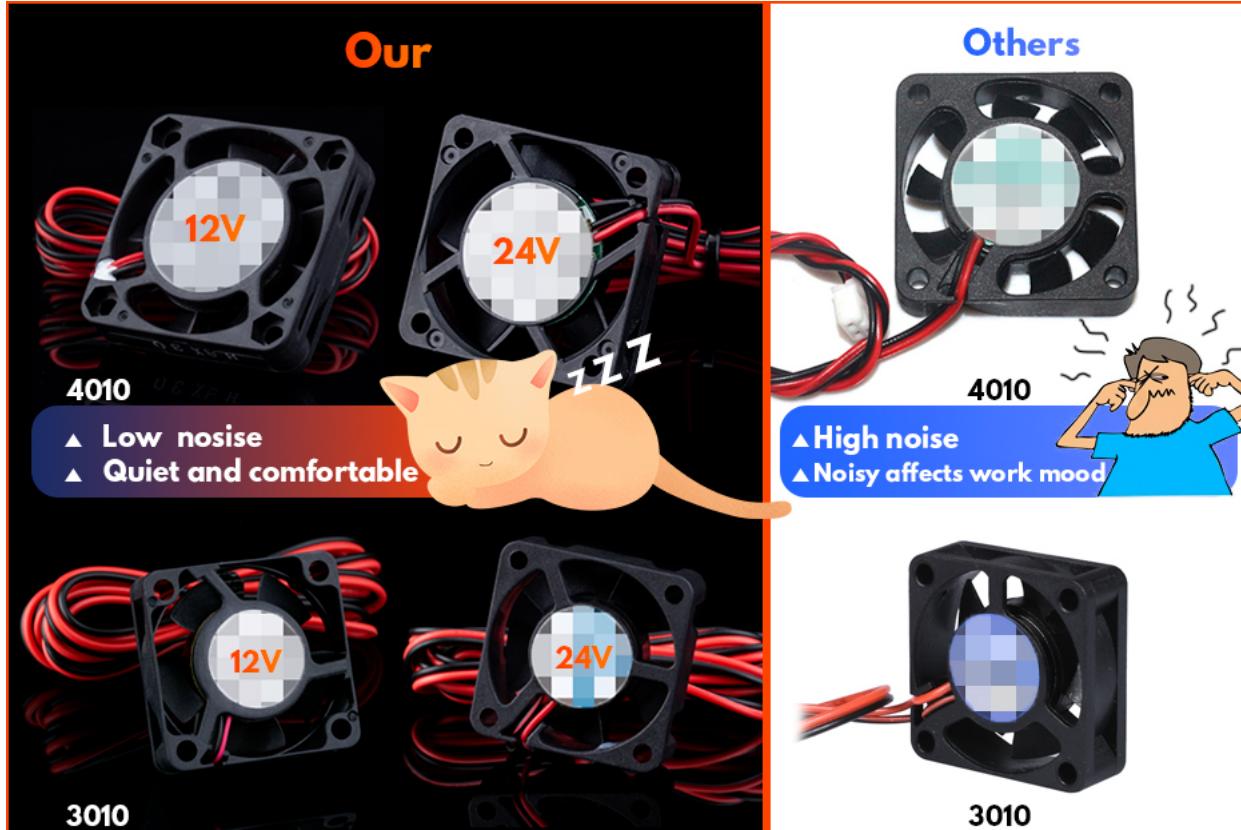
(Stainless steel)

(Hardened steel
+ Nickel plating)



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Installation & Tests

Trianglelab DDB Extruder - Installation&Tests:
<https://www.youtube.com/watch?v=oRpGCAuaZ9M>

Marlin Firmware Configuration

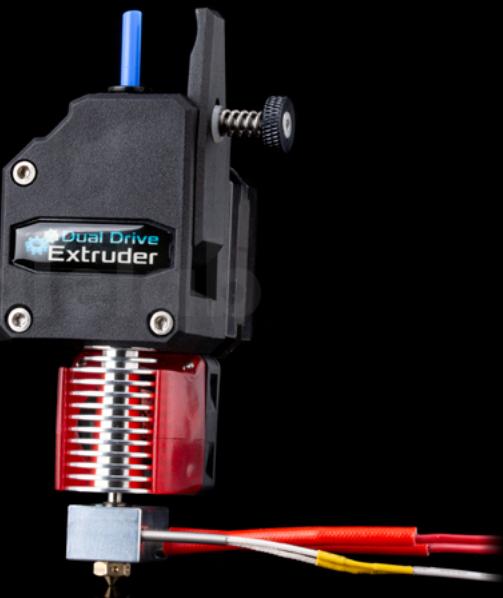
* 5 : 100K thermistor - ATC Semitec 104GT-2/104NT-4-R025H42G(Used in ParCan & J-Head) (4.7k pullup)
`#define TEMP_SENSOR_0 5`

Product display



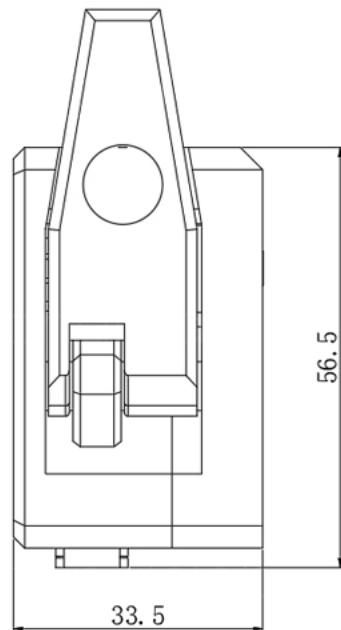
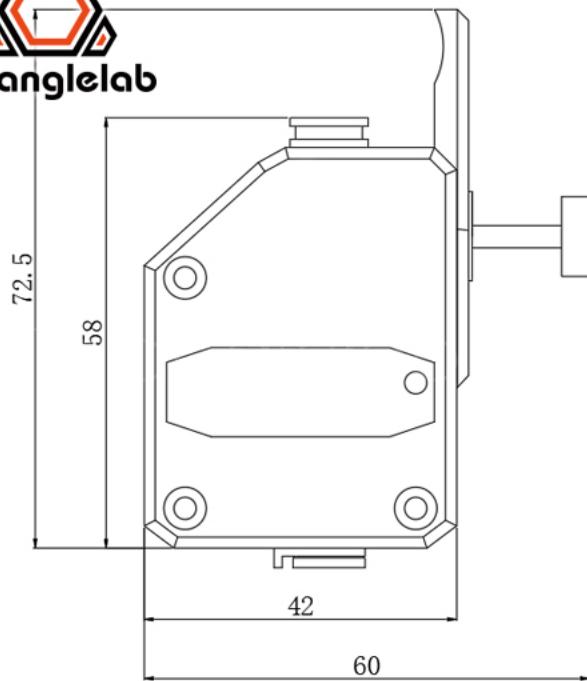


DDB Extruder V6 Hotend





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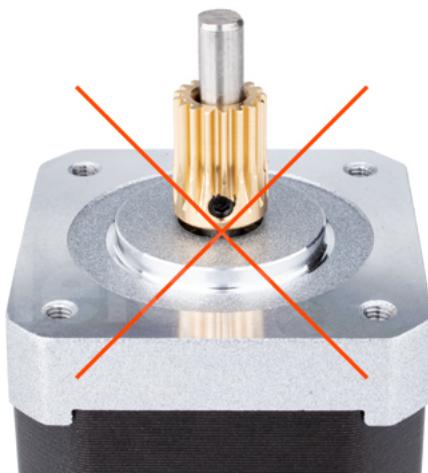


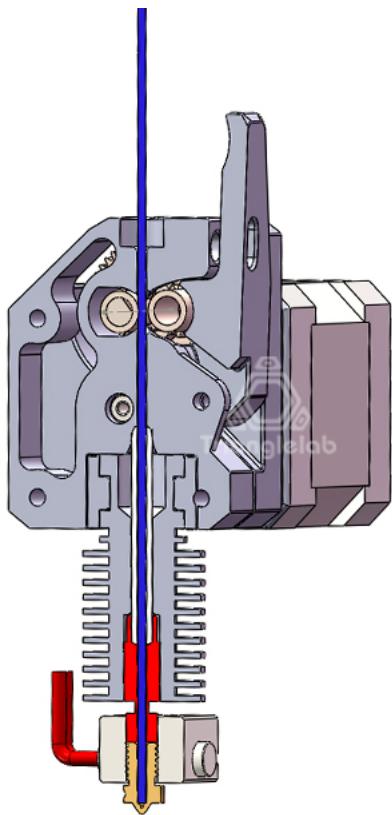
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✓ CORRECT

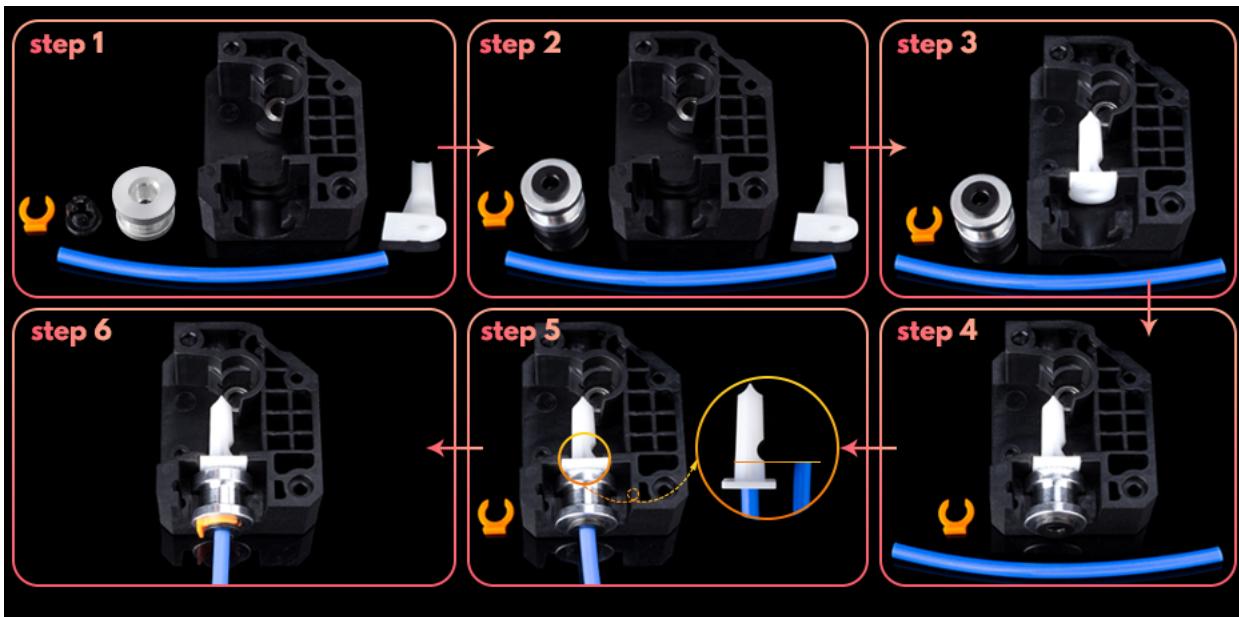
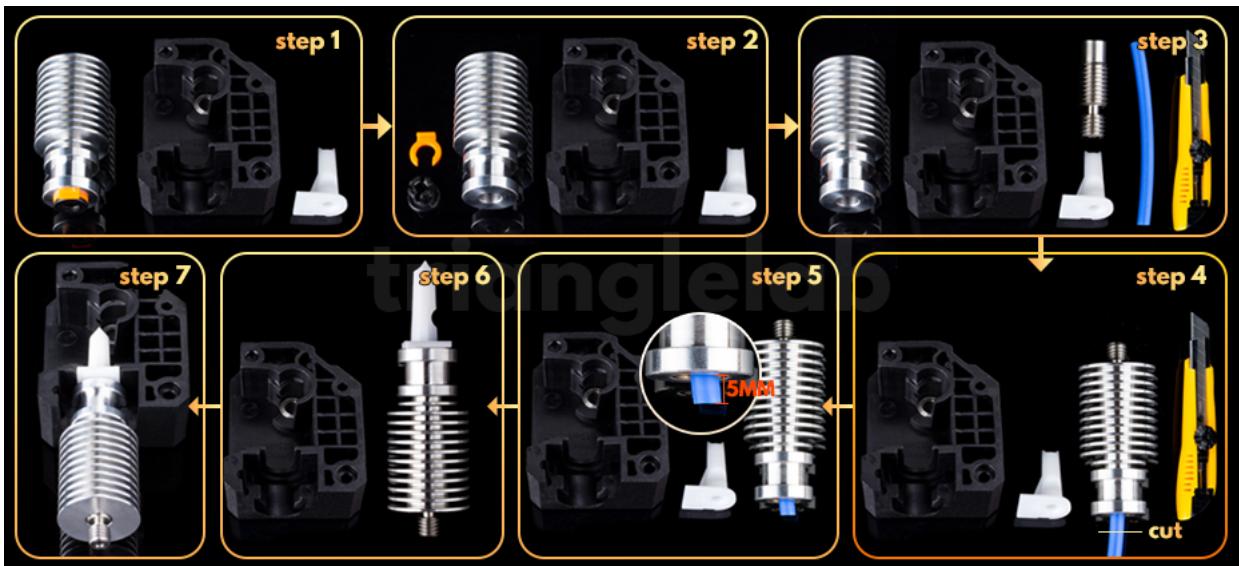


WRONG



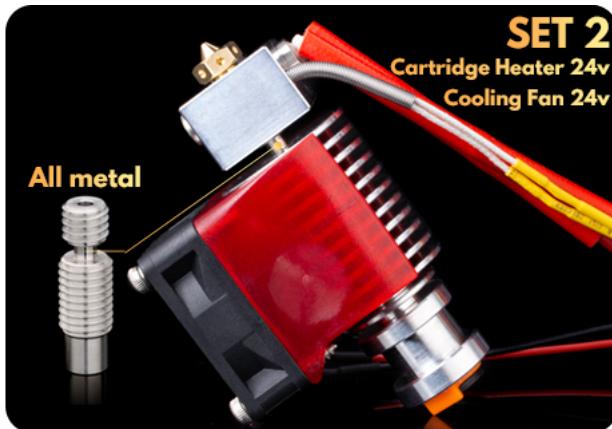
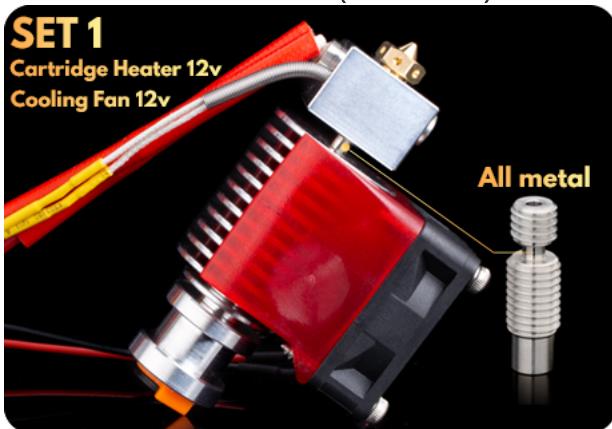






Package description

SET1/2:1.75MM 12V/24V All-metal(0.4mm nozzle) HOTEND+ DDB EXTRUDER



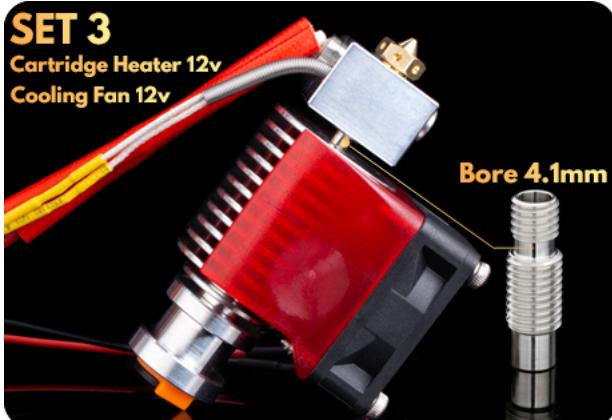
SET3/4:1.75MM 12V/24V Bore 4.1mm(0.4mm nozzle) HOTEND + DDB EXTRUDER



SET 3

Cartridge Heater 12v
Cooling Fan 12v

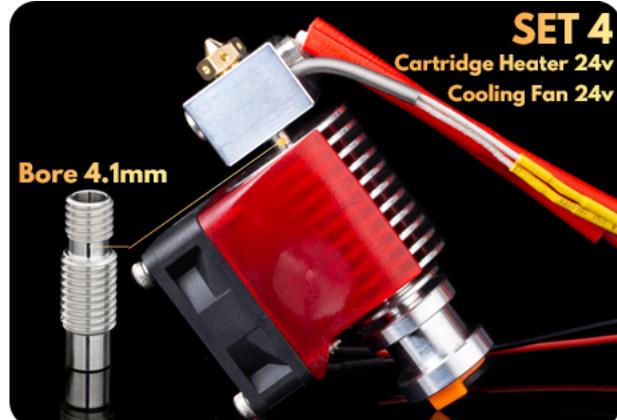
Bore 4.1mm



SET 4

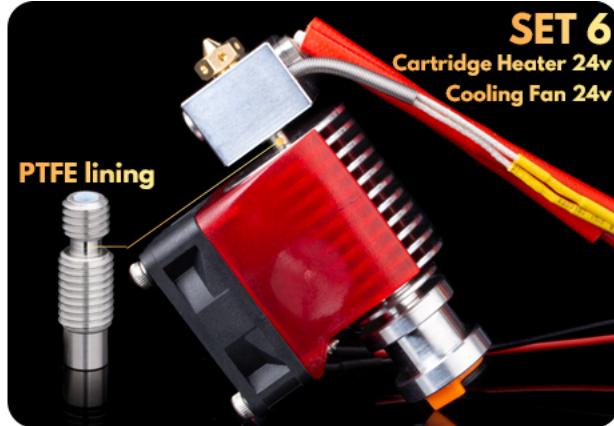
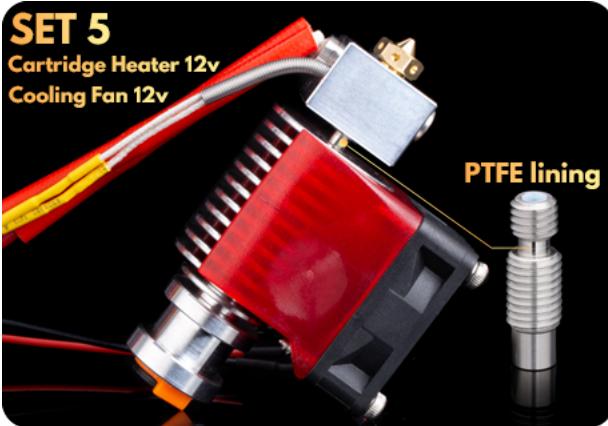
Cartridge Heater 24v
Cooling Fan 24v

Bore 4.1mm



SET5/6:1.75MM 12V/24V PTFE lining(0.4mm nozzle) HOTEND + DDB EXTRUDER





Selection Guide of heat break

Full-metal heat break:

Resistant to elevated temperature, and applicable to all kinds of filaments. Shows the best E3D original design very good printing result.

Advantages:

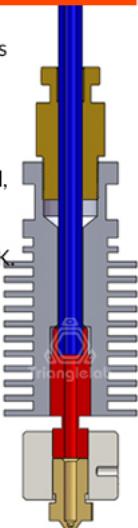
Good printing precision, good durability, slowest heat conduction to the cold end, high heat dissipation efficiency, and applicable to the consumables in full temperature range even the 420°C PEEK.

Disadvantages:

The heat break in clone version cannot completely avoid the clog of PLA during retraction, and even the mirror polishing process on to the inner wall still cannot completely avoid the clog of PLA during the retraction.

Applicable filaments:

All type of filaments except PLA and some flexible filaments.



3mm tube inner heat break:

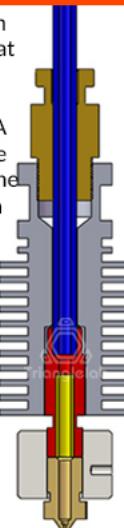
Mainly to prevent the PLA filament from sticking on the inner wall of heat break at the cold side.

Advantages:

It will not easily result in clog during PLA printing. The relatively thinner 3mm tube wall will cause smaller deforming than the 4mm PTFE tube, so the printing precision is relatively higher than 4.1 bore style heat break.

Disadvantages:

The printing temperature cannot exceed 250°C, thereby restricting the scope of available filaments. Regular inspection and maintenance shall be carried out due to the 3MM PTFE tube wear off.



Applicable filaments:

PLA ABS and other filaments printing temperature is lower than 250°C.

4.1 bore style:

Directly feed Bowden tube/PTFE tube into the nozzle.

Advantages:

The filaments after extruder will not be faced with any gaps, so it can minimize the possibility of clog, thus helping to print flexible filaments. Also the PLA filament will not stick on to the cold side of the PTFE tube in the heat break during retraction.

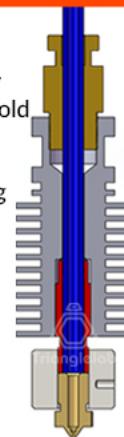
Disadvantages:

The bowden tube wall at the melt zone will slow down the heat transfer, thereby obstructing the melting of filaments. The nozzle temperature cannot go over 250°C, and the relatively thick tube wall will be deformed after compression, thereby affecting the precision of filament extrusion. The gap between the tube liner and the nozzle also creates a zone of inaccuracy. If the bowden tube cannot be firmly fixed, it will have negative influence on the printing results.

Refer to <https://www.youtube.com/watch?v=mnR8ZRWrkcU>

Applicable filaments:

flexible filaments PLA ABS and other filaments printing temperature is lower than 250°C.



CUSTOMER REVIEWS

★★★★★ 0.0 0 Reviews

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