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# UM3 HARD CORE

Other stuff for UM3



**UM3 HARDCORE PVA BB**

**HardCore PVA - BB.**  
**No more forever stuck PVA.**

Includes 2 nozzles!

When irrecoverably stuck; just change nozzle.

- **12 Month Guarantee** on electronics, heater, temp sensor and 3d Solex Block (Nozzles are consumables, but can now be changed easily and inexpensively).

The HardCore PVA BB is easily recognizable, since the aluminium cooler is now **red** and the block has a multilayer metal and final hard metal finish. The internal and external thermal properties exceed those of the standard block. The heater and temp sensor have better contact with the block. The mass is lower.

The HardCore PVA BB is a drop-in replacement for the standard print Core BB.

We add 12 month guarantee\*

HardCore PVA BB ships with tools for nozzle change and 2 nozzles.

0.40mm Coated Brass + "ICE" (non-sticky surface)

0.60mm Coated Brass

**Optional extras:**

Various nozzles sizes.

There is no 0.25mm nozzle for PVA BB, you can use a 0.25 nozzle for the HardCore PRO (AA), but it will sometimes drip a little unless you very carefully tune the temperature.

Extra HardCore PVA BB Nozzle kits:

1/4 x 0.40mm for PVA BB Coated Brass "ICE" (non-sticky surface)

1/4 x 0.60mm for PVA BB Coated Brass

**Additional information**

All nozzles are brass with a hard layer.

Each nozzle is a tiny little masterpiece and of a uniquely high build quality (AA; not 0.50 mm S5 which is a standard nozzle). We are pressing the prices down to a reasonable level, you and your printer deserve it!

Warning: The nozzles will not fit any other block.

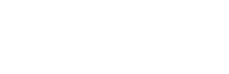
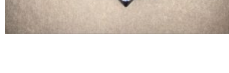
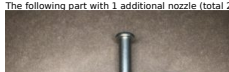
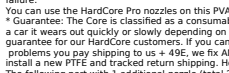
The HardCore can only use these nozzles. Mixing other nozzles/ blocks will destroy both block and nozzle. Guarantee does not cover destroyed Block / nozzle due to threading failure.

You can use the HardCore Pro nozzles on this PVA BB HardCore.

\* Guarantee: The Core is classified as a consumable. This means that much like tires on a car it wears out quickly or slowly depending on use. However; we introduce a limited guarantee for our HardCore customers. If you cannot yourself resolve HardCore

problems you pay shipping to us + 49€, we fix ANY HardCore problems. While at it, we install a new PTFE and tracked return shipping. How can you lose?

The following part with 1 additional nozzle (total 2) comes with a 12 month guarantee\*.



[Read More](#)

**SKU:** 7072482001267

**Price:** € 189,00

**Categories:** [UM3 Hard Core](#), [Ultimaker 3](#), [Ultimaker 3](#)

[Other](#), [Extruders](#)



## DDG BONDTECH FOR ULTIMAKER 3

DDG Extruder for Ultimaker2 that feeds filament without grinding and with a very firm grip of the filament that will allow for faster printing without under-extrusion problems. Fantastic new product, signed Martin Bond.

We are now proud to present our latest development, DDG Extruder for Ultimaker3 which feeds filament without grinding and with a very firm grip of the filament that will allow for faster printing without under-extrusion problems and also high retraction prints like Voron models without grinding.

- Strong housing parts in SLS Nylon in black colour  
 - Bondtech precision cnc machined gears in hardened steel.

- New driveshaft in cnc machined stainless steel

- New bearings

Parts re-used from Ultimaker 3 Feeder

- Big plastic gear

- Pushfit connector + bowden clip

- Screws (4x M3x1.6)

- Filament inlet guide

- Compression spring assembly

These extruders reuses parts from the Ultimaker3 feeder (Used on Ultimaker 3, Ultimaker 3 Extended)

This kit contains 1 righthand extruder and 1 lefthand extruder

The original stepper motor of the printer will be reused and the extruder will be mounted at the same position and in the same mounting holes as the factory extruder making the installation easy and fast.

Installs in about 20 minutes.

E-steps needs to be updated to 311

E-step setting needs to be adjusted in the firmware, see documentation

This extruder is developed together with C.Matthes in Germany

For documentation: [www.bondtech.se/docs](http://www.bondtech.se/docs)

[Installation guide](#)

# ULTIMAKER Upgrades-3D Printer Nozzles



UM3 HARD CORE EHT

UPDATE: This product is delayed until mid-August  
 Actual photo upcoming. Shortly in stock, send us an email if you need to pre-order!  
 1 pcs Hard Core EHT replacement of minimum 6 original Print Cores - Nozzle  
 - Replacable "core of Hard Core" parts.

NOT AVAILABLE YET.  
 The Hard Core EHT is easily recognizable, since the aluminium cooler is now  
 Every nozzle can now be easily replaced! Micro nozzles and Stainless nozzles  
 - 12 Month Guarantee on electronics, heater, temp sensor and 3d Solex  
 (Nozzles and core inserts are consumables, but can now be changed easily)  
 The Hard Core EHT is a drop-in replacement for the standard Print Core AA.  
 This is a "bleeding Edge" product. There is so far no support wrtg getting you  
 You know it if you need this product.  
 It will take 375 C continuous.

We add 12 month guarantee!  
 May not work with some/most PLA filament.  
 May not work with 2nd core simultaneously, due to power restrictions.  
 Hard Core EHT ships with tools for nozzle change and 6 nozzles:  
 1 x 0.25 mm  
 2 x 0.40 mm  
 1 x 0.50 mm Stainless Steel  
 1 x 0.60 mm  
 1 x 0.80 mm  
 Attention: Brass nozzles will be softer at these elevated temperatures.

**Optional extras:**  
 Various nozzles sizes.  
 This is not an all metal hot end, but relies on plastics in the core of the Hard  
 Hot end plastic toolkit: w/tool and 2 extra Teflons: 79E.  
 Additional hot end plastix inserts: 69 E for 2-pack  
 -Available in February  
**HardCore Nozzle kits:**  
 1x 0.15mm Micro Nozzle  
 4 x 0.25mm (70E)  
 4 x 0.40mm (70E)  
 4 x 0.60mm (70E)  
 4 x 0.80mm (70E)  
 4 x 0.50mm SS (60E)

**Additional information**  
 All parts are chrome hardened (not SS nozzle and Micro nozzle) and of excep  
 Each nozzle is a tiny little masterpiece and of a uniquely high build quality  
 Warning: The nozzles will not fit any other block.  
 The Hard Core Six can only use these nozzles. Mixing other nozzles/ blocks  
 \* Guarantee: The Core is classified as a consumable. This means that much  
 79E, we fix ANY HardCore EHT problems. While at it, we install a new core ins  
 The following part with 5 additional nozzles comes with a 12 month guarantee



It replaces this, with the exception that it does take a little longer to replace a nozzle than to replace the whole core.



**Choose Version**  
[Read More](#)

**Variations**

SKU	Description
707248200154	ships with 2 nozzles, 0.40-0.80mm + tools for nozzle change
707248200155	Print Core upgraded to HardCore EHT (360) with 6 nozzles (0.25, 0.40, 0.50, 0.60, 0.80, 1.20) + tools for nozzle change
707248200156	Print Core upgraded to 1.75 HardCore EHT (360) with 6 nozzles (0.25, 0.40, 0.50, 0.60, 0.80, 1.20) + tools for nozzle change

SKU: N/A  
 Price: € 395.00  
 Category: [UM3 Hard Core](#)



UM3 HARDCORE PRO

Hardcore replacement of up to 8 original Print Cores - Nozzles: 0.10mm - 1.2mm.  
 Every nozzle can now be easily replaced! Micro nozzles and Stainless nozzles already in programme, fantastic new additional products coming up on the coming weeks!  
 - 12 Month Guarantee on electronics, heater, temp sensor and 3d Solex  
 (Nozzles and core inserts are consumables, but can now be changed easily and inexpensively)

NOT AVAILABLE YET.  
 The HardCore Pro is easily recognizable, since the aluminium cooler is now  
 Every nozzle can now be easily replaced! Micro nozzles and Stainless nozzles already in programme, fantastic new additional products coming up on the coming weeks!  
 - 12 Month Guarantee on electronics, heater, temp sensor and 3d Solex  
 (Nozzles and core inserts are consumables, but can now be changed easily and inexpensively)

The HardCore Pro is a drop-in replacement for the standard Print Core AA.  
 This is a "bleeding Edge" product. There is so far no support wrtg getting you  
 You know it if you need this product.  
 It will take 375 C continuous.

We add 12 month guarantee!  
 May not work with some/most PLA filament.  
 May not work with 2nd core simultaneously, due to power restrictions.  
 HardCore Pro ships with tools for nozzle change and choice of nozzles:  
 HardCore Pro 2: 0.40 & 0.80mm nozzles. (2 nozzles)  
 HardCore Pro 4: 0.25, 0.40, 0.60, 0.80mm nozzles (4 in all)  
 HardCore Pro 8: 0.25, 0.40, 0.60, 0.80mm nozzles (8 in all)  
 HardCore Nozzle kits available separately:  
 1x/4x 0.10mm Sub Micro Nozzle Coated Brass ( world's smallest)  
 1x/4x 0.15mm Micro Nozzle Coated Brass  
 0.25mm Coated Brass + ICE  
 0.40mm Coated Brass + ICE (Filament does not stick, wear resistant surface)  
 0.60mm Coated Brass + ICE  
 0.80mm Coated Brass + ICE  
 1.00mm Coated Brass + ICE  
 1.20mm Coated Brass + ICE

**HardCore EVERLAST Ruby Sapphire Nozzles**  
 0.25mm  
 0.40mm  
 0.50mm  
 0.60mm  
 0.80mm  
 1.20mm  
 These are superhard nozzles, which print just as fast as the other non-steel nozzles, but will not be destroyed by abrasive filaments.  
**Additional information**  
 All parts are surface hardened (not SS nozzle) and of exceptional quality.  
 Each nozzle is a tiny little masterpiece and of a uniquely high build quality ( not 0.50 mm SS which is a standard nozzle). We are pressing the prices down to a reasonable level, you and your printer deserve it!

**Warning:** The nozzles will not fit any other block.  
 The HardCore Six can only use these nozzles. Mixing other nozzles/ blocks  
 \* Guarantee: The Core is classified as a consumable. This means that much like tires on a car, it wears out quickly or slowly depending on use. However, we introduce a limited guarantee for our HardCore customers. Since we carefully verify every HardCore we offer the following part with 5 additional nozzles comes with a 12 month guarantee.  
 (15E). How can you loose?



It replaces this, with the exception that it does take a little longer to replace a nozzle than to replace the whole core.



**Choose Version**  
[Read More](#)

**Variations**

SKU	Description
707248200154	ships with 2 nozzles, 0.40-0.80mm + tools for nozzle change
707248200155	Print Core upgraded to HardCore EHT (360) with 6 nozzles (0.25, 0.40, 0.50, 0.60, 0.80, 1.20) + tools for nozzle change
707248200156	Print Core upgraded to 1.75 HardCore EHT (360) with 6 nozzles (0.25, 0.40, 0.50, 0.60, 0.80, 1.20) + tools for nozzle change

SKU: N/A  
 Price: € 189.00 - € 289.00  
 Categories: [UM3 Hard Core](#), [Ultimaker 3](#)