

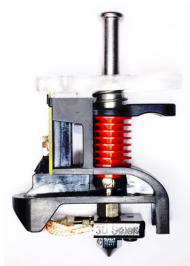
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## UM3 HARD CORE

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.

Ships July 14th: Buy from resellers, or place order in 1st week

July to get shipping July 14th.

**- 12 Month Guarantee** on electronics, heater, temp sensor and 3d Solex Block

(Nozzles and PTFE are consumables, but can now be changed easily and inexpensively, but PTFE probably lasts "forever" with PVA). SHIPS WITH TRACKING.

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 an 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 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 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 loose?

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

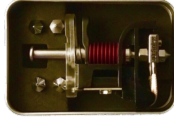
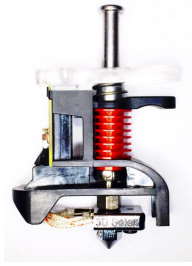


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**SKU:** 7072482001571

**Price:** € 189,00

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



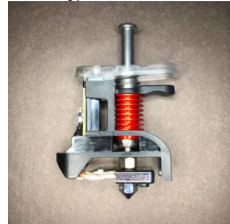
**UM3 HARD CORE EHT**

UPDATE: This product is delayed until mid-August  
 Actual photo upcoming. Shortly in stock, send us an email if you need to pre-order this limited quantity upgrade.  
 1 pcs Hard Core EHT replacement of minimum 6 original Print Cores: - Nozzles: 0.15mm - 0.80mm (6 nozzles included, 0.15 is optional extra). For 2.85mm filament. **375C maximum temperature.**

NOT AVAILABLE YET.  
 The Hard Core EHT is easily recognizable, since the aluminium cooler is now **GOLD**, and the block has a multilayer metal and final chrome finish. The internal and external thermal properties now exceed those of the original block. The heater and temp sensor have better contact with the block. The mass is lower.  
 Every nozzle can now be easily replaced! Micro nozzles and Stainless nozzles already in program, fantastic new additional products coming up on the coming weeks!  
 - Replaceable "core of Hard Core" parts.  
 - **12 Month Guarantee** on electronics, heater, temp sensor and 3d Solex Block (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. Some uncritical parts are re-used.  
 This is a "Bleeding Edge" product. There is so far no support wrtg getting your "stuff" stick to the build plate or- infact, no other support as well.  
 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 Core.  
 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 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 Hard Core Six 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.  
 \* 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 Hard Core Six and re-used part we offer the following guarantee: If you cannot yourself resolve HardCore EHT problems you pay shipping to us + 79E, we fix ANY HardCore EHT problems. While at it, we install a new core insert, a new 0.40 nozzle and tracked return shipping (15E). How can you loose?  
 The following part with 5 additional nozzles comes with a 12 month guarantee\*.

**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 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 Hard Core Six 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.  
 \* 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 Hard Core Six and re-used part we offer the following guarantee: If you cannot yourself resolve HardCore EHT problems you pay shipping to us + 79E, we fix ANY HardCore EHT problems. While at it, we install a new core insert, a new 0.40 nozzle and tracked return shipping (15E). How can you loose?  
 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.

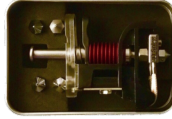
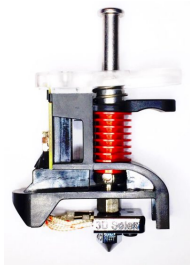


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**Variations**

Image	SKU	Description	Choose Version	Price
		Print Core upgraded to HardCore EHT (360) with 6 nozzles; 0.25,0.40 x 2 ,0.50 STAINLESS,0.60, 0.80, tools for nozzle change. 12 Month Guarantee on whole HardCore electronics including Heater and Temp Sensor, excluding nozzles and core inserts.	HardCore EHT 2.85	€ 395,00
		Print Core upgraded to 1.75 HardCore EHT (360) with 6 nozzles; 0.25,0.40 x 2 ,0.50 STAINLESS,0.60, 0.80, tools for nozzle change. 12 Month Guarantee on whole HardCore electronics including Heater and Temp Sensor, excluding nozzles and core inserts. Requires 1.75 Bowden kit.	Hardcore EHT 1.75	€ 395,00

SKU: N/A  
 Price: € 395,00  
 Category: [UM3 Hard Core](#)



**UM3 Hardcore Pro**

**SOLD OUT UNTIL September 5th. See our retailers to buy it now!**  
 1 pcs 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!  
 Ships July 14th: Buy from resellers, or place order in 1st week July to get shipping July 14th.  
 - Replaceable PTFE coupler option.  
 - **12 Month Guarantee** on electronics, heater, temp sensor.  
 (Nozzles and PTFE are consumables, but can now be changed easily and inexpensively!)  
 SHIPS WITH TRACKING

The HardCore Pro is easily distinguishable, since the aluminium cooler is now red and the block has a hard plate finish. The internal and external thermal properties now exceed those of the original block. The heater and temp sensor have better contact with the block. The mass is lower.

The HardCore Pro is a drop-in replacement for the standard Print Core AA.  
 We add 12 month guarantee!

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 7: (7 nozzles in all):

- 1 x 0.25 mm Coated Brass
- 2 x 0.40 mm Coated Brass + "ICE" (Filament does not stick, wear resistant surface)
- 1 x 0.50 mm Stainless Steel "ICE". (Filament does not stick, wear resistant surface)
- 1 x 0.60 mm Coated Brass
- 1 x 0.80 mm Coated Brass
- 1 x 1.00 mm Coated Brass

**Optional extras:**

Engineering High Temp (EHT) upgrade Hard Core EHT: 360 Celcius continuous.  
 (You can upgrade your existing Hard Core)

- Delayed

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)
- 0.50mm STEELn + ICE nozzle
- 0.60mm Coated Brass + ICE
- 0.80mm Coated Brass + ICE
- 1.00mm 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.

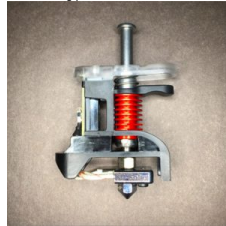
Each nozzle is a tiny little masterpiece and of a uniquely high build quality ( not 0.50 mm SS which is a standard nozzle). We are pressing the prices down to a reasonable level, you and your printer deserve it!

Warning: The nozzles will not fit any other block.

The HardCore 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.

\* 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 guarantee: 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 (15€). How can you lose?

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.



[Read More](#)

**Variations**

Image	SKU	Description	Choose Version	Price
	7072482001540	Ships with 2 nozzles, 0.40-0.80mm + tools for nozzle change. 12 Month Guarantee on whole HardCore electronics including Heater and Temp Sensor, excluding nozzles and PTFE coupler.	HardCore Pro 2	€ 189,00
	7072482001557	HardCore Pro with 4 nozzles; 0.25,0.40,0.60, 0.80, tools for nozzle change. 12 Month Guarantee on whole HardCore electronics including Heater and Temp Sensor, excluding nozzles and PTFE coupler.	HardCore Pro 4	€ 219,00
	7072482001564	HardCore PRO with 7 nozzles; 0.25-2x 0.40-0.50-0.60-0.80-1.0mm + tools for nozzle change. 12 Month Guarantee on whole HardCore electronics including Heater and Temp Sensor, excluding nozzles and PTFE coupler.	HardCore Pro 7	€ 289,00

SKU: N/A

Price: € 189,00 - € 289,00

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