

# UltiMaker print core

## Product data sheet

# Print core AA



# UltiMaker

## Higher Uptime, Faster Changeovers

Maximize print performance and machine uptime with our swappable, material-matching print cores. Set up your 3D printer in seconds, whether you need reliable build and support material combinations for geometric freedom, a different nozzle size, or to print in dual color.

## Industrial Power, Limitless Possibilities

The AA print core is built to produce high-quality results in a wide range of materials – from PLA to PC. The AA print core is available with three different nozzle sizes, so there is always a good choice whether you're seeking fine details, a quick draft, or a balanced print.

## Key Features

- ✓ **Fast setup:** Quickly swap print cores and switch between different material combinations to minimize downtime.
- ✓ **Recognition:** The printer will automatically recognize the print core type and nozzle size for quick and error-free configuration changes.
- ✓ **More materials:** Choose from a broad portfolio of UltiMaker materials or use with third-party filaments for properties to suit every application.
- ✓ **Accurate temperatures:** Maintain the perfect temperature for an even better quality print with automatic, accurate temperature readings.
- ✓ **Nozzle size choice:** Choose 0.25 or 0.4 mm for a higher level of detail and surface quality, or 0.8 mm for faster prints.

## Specifications

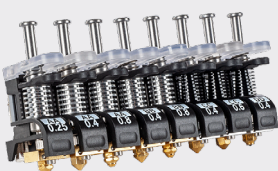
Print core type	AA
Filament diameter	2.85 mm
Temperature	Up to 280 °C
Nozzle sizes	0.25 mm (SKU 200454), 0.4 mm (SKU 9529), 0.8 mm (SKU 9531)
Nozzle material	Brass (CuZn39Pb3)
Heater block material	Brass (CuZn39Pb3)
Heater cartridge	25W, 24V
Temperature sensor	PT100B
Memory	EEPROM
Box dimensions	126.7 × 121.3 × 21.5 mm
Warranty	Print cores are consumables and excluded from warranty

## Compatibility

UltiMaker 3D printers	<ul style="list-style-type: none"><li>• Factor 4</li><li>• S series (S3, S5, S6, S7, S8)</li><li>• UltiMaker 3 and 3 Extended</li></ul>
UltiMaker materials	<ul style="list-style-type: none"><li>• PLA</li><li>• Tough PLA</li><li>• PETG</li><li>• ABS</li><li>• Nylon</li><li>• CPE</li><li>• CPE+</li><li>• PC</li><li>• PP</li><li>• TPU 95A</li><li>• Breakaway</li></ul>
Third-party materials	Also compatible with various third-party and Marketplace materials (non-soluble and non-composite).

## More print cores

For additional material-compatibility and features, see the other print core types that UltiMaker has available:



### Print core BB

0.4 and 0.8 mm

Compatible with water-soluble (PVA) support material.

### Print core CC

0.4 and 0.6 mm

Designed for abrasion-resistance, for use with composite filaments.

### Print core DD

0.4 mm

For support interface layers in combination with metal filament.

### Print core HT

0.6 mm

For high-temperature materials such as PPS CF on Factor series.

### Print core AA+

0.4 mm

Designed for high-speed, high-flow printing, with a quad-chamber design.

### Print core CC+

0.6 mm

For reliable high-speed printing with abrasive composite materials.