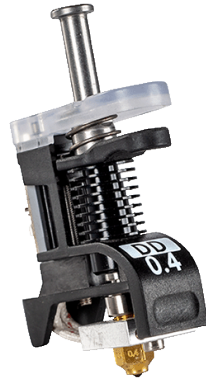


# UltiMaker print core

## Product data sheet

# Print core DD



# 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.

## Specialized for Metal

The UltiMaker DD print core is the dedicated solution for printing ceramic support interface layers in combination with metal filament. Built for durability and flow-consistency, it is a vital component of the UltiMaker metal printing workflow.

## 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.
- ✓ **Ruby-tipped precision:** Specifically engineered with a ruby nozzle tip to ensure consistent flow and extreme durability when extruding specialized ceramic support layers.
- ✓ **Easy maintenance:** Printing with ceramic support material requires frequent maintenance, but the printer will guide you through every step.

## Specifications

Print core type	DD
Filament diameter	2.85 mm
Temperature	Up to 265 °C
Nozzle size	0.4 mm (SKU 233845)
Nozzle material	Brass (CuZn39Pb3), with ruby insert
Heater block material	Aluminum alloy (6061)
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

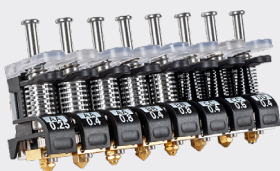
## Compatibility

UltiMaker 3D printers	<ul style="list-style-type: none"><li>• Factor 4</li><li>• S series (S3, S5, S6, S7, S8)</li></ul>
UltiMaker materials	N/A
Third-party materials	The DD core is intended specifically for Ultrafuse® Support Layer material.

**Note:** The DD print cores and Ultrafuse® Support Layer material are only available in selected regions.

## More print cores

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



### Print core AA

0.25, 0.4, and 0.8 mm

Compatible with a wide range of (non-abrasive) build materials.

### 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 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.