



## Plated Copper Nozzles - V6

V6-NOZZ-COP

*Prices vary according to nozzle diameter*

### Variants

#### Diameter

1.75mm

3mm

#### Orifice Diameter

0.25mm

0.30mm

0.35mm

0.40mm

0.50mm

0.60mm

0.80mm

Number of Dots	Diameter
2 Diagonal	0.15mm
0	0.25mm
1	0.30mm
2	0.35mm
3	0.40mm
6	0.50mm
4	0.60mm
5	0.80mm

### Overview

Durable, non-stick, high temperature performance nozzles. This copper alloy is very temperature resilient, and will not start to soften or anneal until way beyond 500°C, making it perfect for the high-temperature 3D printing that other nozzles can't handle. These nozzles are fully integrated into the E3D Ecosystem and will fit most E3D HotEnds, and are compatible with Prusa 3D printers. E3D nozzles are easily identifiable by dots drilled into their hex flats.

### Description

These nozzles are engineered for ultimate high temperature performance. Made from a special high temperature copper alloy with a softening point of well above 500°C, and with much-increased thermal conductivity, these copper nozzles are perfect for high temperature applications, while working perfectly with everyday filaments like PLA, ABS and spoolWorks EDGE.

In addition to high temperature performance these nozzles have an advanced nickel-based plating, considerably reducing the adhesion of plastic to the nozzle. This is great for everyday filaments keeping things clean and shiny, but is particularly important at temperatures above 300°C where a silicone sock can't be used.

Copper has more than 3x the thermal conductivity of brass, and the copper alloy used by E3D has been hardened and treated to reduce the oxidation that occurs in copper at high temperatures. The higher thermal conductivity will also slightly increase your heat-up times, and can provide tighter temperature control.

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