



NANO MATERIALS & PROCESSES INC.

DIAMONDIZED™ 3D PRINTER NOZZLES

Available Orifice Sizes

| Print Head Style | 0.2 mm | 0.4 mm | 0.6 mm | 0.8 mm | 1.0 mm |
|--------------------------------|--------|--------|--------|--------|--------|
| MK7/MK8 | Y | Y | Y | Y | Y |
| E3D® (trademark of E3D Online) | Y | Y | Y | Y | Y |
| Volcano | Y | Y | Y | Y | Y |

Special Orders Quoted On Request

Filament Size

Current: 1.75 mm

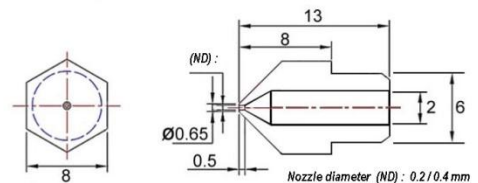
Characteristics

Printer Tip material: Brass or Copper

Coating: internal and external finish of nanodiamond chrome and proprietary non-stick polymer

Thread diameter: M6 (6 mm)

Product Name: Extrusion head nozzle
 Material: brass Nozzle diameter: 0.2/0.4 mm
 Thread diameter: 6mm
 Product weight: 3g



Advantages

- Withstands abrasive materials:

| Printing With 30% Carbon Fill PETG | Brass | Brass-Chrome Plate | Stainless Steel ¹ | Nanodiamond+ Non-stick Polymer |
|-------------------------------------|----------|--------------------|------------------------------|--------------------------------|
| Estimated printer tip cost per gram | \$0.0467 | \$0.0242 | \$0.019 | < \$0.011 |
| Improvement vs Brass | 0% | 10% | 63% | 197% |
| Improvement vs. Stainless | -134% | -111% | 0% | 63% |

¹Stainless steel presents a temperature problem because of poor conductivity

- Improved material flow: virtually eliminates clogging
- Reduced material waste from restart and clean-up
- Improved thermal conductivity
- Easy-clean tip; printing material does not stick to outer surface at high temperature
- Improves overall print quality
- Extreme printing life when using conventional materials
- Ongoing test with 30% fill PETG exceeds 5 Kg
- 3-year Limited Warranty**

Order and Information

Printer nozzles are available through our website: www.3dnozzles.com. Questions: info@nanompi.com

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www.nanompi.com