

# Micro Precision Nozzle Cores



ADVANCING THE SCIENCE OF FLUID DELIVERY™



Actual product may differ from the image shown

## Features and Benefits:

- High flow rates
- High precision
- Reduces dispense pump pressure
- Resists clogging and stringing, improves fluid break-off
- Low-restriction design allows use of smaller gage size
- Minimal run-out
- Decreased process variability
- Increased Accuracy
- Nozzle cores can be used alone or with a reusable hub
- Replace only the wetted path
- Reduces time consuming cleaning
- Less waste by weight for disposal
- Can be used in low, ambient or elevated temperatures

## Approximate Temperature Range for Materials & Coatings:

- Core Material
  - NC, Nickel Silver, 72.0% Cu, 10.0% Zn, 18.0% Ni
  - -328°F to 572°F | -200°F to 300°C
- Core Coating
  - EN, NPTFE, NP
  - -250°F to 550°F | -157°C to 288°C

## Specification:

- ISO 594/1 - 1986 (Standard Luer Taper)

## Approximate Weight (product):

- 0.008 oz | 0.23 g

## Approximate Total Weight (single part package):

- 0.024 oz | 0.68 g

## Nominal Overall Length:

- 0.709 in | 18 mm

## Material:

- Nickel Silver                      UNS C73500                      P/N Designator 03

## Coating:

- NC                      No Coating                      P/N Designator 00
- EN                      Electroless Nickel                      P/N Designator 01
- NPTFE                      Nickel PTFE                      P/N Designator 04
- NP                      Nickel Polymer Type SLK                      P/N Designator 05

Nozzles with exit apertures as small as 0.004 inch ID can be coated.

## Example Part Number Selection:

- C-006** - Hub Assembly Prefix
- 03** - Phosphor Bronze Material
- 04** - Nickel PTFE Coating
- 04** - Gage
- 1** - Packaging Type Single

**C-006-03-04-04-1**

## Packaging Designator:

- 1** - Single Part Packaging
- 8** - Eight Part Packaging

Core Prefix	Material	Coating	Size	Nominal ID / OD (in)	Nominal ID / OD (mm)
C-006	Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05)	06	0.006 / 0.010	0.159 / 0.244
C-006	Nickel Silver (03)	NC (00) NPTFE (04)	04	0.004 / 0.008	0.108 / 0.208
C-006	Nickel Silver (03)	NC (00)	02	0.002 / 0.007	0.057 / 0.169

\*Nominal dimensions apply to uncoated nozzles