

Micro Precision Nozzles



ADVANCING THE SCIENCE OF FLUID DELIVERY™



Actual product may differ from the image shown

Features and Benefits:

- Precise exit apertures as small as 0.002 in or 50 µm
- High flow rates
- High precision
- Reduces dispense pump pressure
- Resists clogging and stringing, improves fluid break-off
- Convenient polypropylene hub is colored to indicate size
- Low-restriction design allows use of smaller size
- Minimal run-out
- Decreased process variability
- Increased accuracy

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

Approximate Temperature Range for Material & Coatings:

- Hub Material
 - A-100, Polypropylene, Colored
 - -10° F to 212° F | -23° C to 100° C
- 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):

- 0.016 oz | 0.454 g

Approximate Total Weight (single part package):

- 0.056 oz | 1.59 g

Nominal Overall Length:

- 0.709 in | 18 mm

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

Example Part Number Selection:

- A-100 - Hub Assembly Prefix
- 03 - Phosphor Bronze Material
- 04 - Nickel PTFE Coating
- 04 - Gage
- 1 - Packaging Type Single

A-100-03-04-04-1

Packaging Designator:

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

Hub Color	Hub Assembly Prefix	Material	Coating	Size	Nominal ID / OD (in)	Nominal ID / OD (mm)
Neon Blue	A-100	Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05)	06	0.006 / 0.010	0.159 / 0.244
Neon Orange	A-100	Nickel Silver (03)	NC (00) NPTFE (04)	04	0.004 / 0.008	0.108 / 0.208
Neon Yellow	A-100	Nickel Silver (03)	NC (00)	02	0.002 / 0.007	0.057 / 0.169

*Nominal dimensions apply to uncoated nozzles