

Standard Gage Precision Nozzles



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
- Convenient polypropylene hub is colored to indicate gage size
- Low-restriction design allows use of smaller gage size
- Minimal run-out
- Decreased process variability
- Increased Accuracy

Material:

- Phosphor Bronze UNS C51000 P/N Designator 02
- 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
- PY *Contact for availability Parylene Type C P/N Designator 06

Example Part Number Selection:

- A-100** - Hub Assembly Prefix
- 02** - Phosphor Bronze Material
- 04** - Nickel PTFE Coating
- 18** - Gage Size
- 1** - Packaging Type Single

A-100-02-04-18-1

Packaging Designator:

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



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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, Phosphor Bronze, 94.8% Cu, 5.0% Sn, trace P
 - -328° F to 572° F | -200° C to 300° C
 - NC, Nickel Silver, 72.0% Cu, 10.0% Zn, 18.0% Ni
 - -328° F to 572° F | -200° C to 300° C
- Core Coating
 - EN, NPTFE, NP
 - -250° F to 550° F | -157° C to 288° C
 - PY
 - -328° F to 302° F | -200° C to 150° 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

Hub Color	Hub Assembly Prefix	Material	Coating	Gage Size	Nominal ID / OD (in)	Nominal ID / OD (mm)
Pink	A-100	Phosphor Bronze (02) Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	18	0.041 / 0.049	1.039 / 1.240
Peach	A-100	Phosphor Bronze (02)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	19	0.034 / 0.042	0.859 / 1.059
Lime Green	A-100	Phosphor Bronze (02)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	20	0.027 / 0.035	0.681 / 0.879
Light Blue	A-100	Phosphor Bronze (02)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	21	0.024 / 0.032	0.610 / 0.810
Neon Purple	A-100	Phosphor Bronze (02) Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	23	0.022 / 0.025	0.564 / 0.635
White	A-100	Phosphor Bronze (02) Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	25	0.017 / 0.020	0.437 / 0.508
Red	A-100	Phosphor Bronze (02) Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	27	0.013 / 0.016	0.335 / 0.406
Black	A-100	Phosphor Bronze (02) Nickel Silver (03)	NC (00) EN (01) NPTFE (04) NP (05) PY (06)	30	0.009 / 0.012	0.234 / 0.305

*Nominal dimensions apply to uncoated nozzles