

Preci-Tip™ Precision Dispensing Tips



Description

Also available to buy online at [!\[\]\(666e09182d4cd268646ea700ea60dcdf_img.jpg\)](#) **SHOP** 

Preci-Tip™ Precision Dispensing Tips or Nozzles are designed for accurate dispensing of dots, beads or in-fills. Their streamline conical fluid path delivers considerably higher fluid flow rates and lower dispense pump back pressures than most standard dispensing tips. This results in improved dispensing accuracy and component life. The thin wall nozzle cores are produced using a deep drawing process, giving particularly low resistance to fluid flow, and exceptional accuracy and robustness compared to plastic dispensing tips or nozzles.

They have an industry standard [Luer Lock](#) thread and can be used with common dispensing barrels or valves.

Preci-Tip Precision Dispensing Tips feature walls which are very thin and rigid, resulting in a smaller outer diameter (OD) required for large inner diameter (ID) fluid paths. This can be particularly useful where a small gauge tip is needed, without compromising on fluid dispense rates. The thin walls further enhance the accuracy and definition of dots, lines or special patterns, and dramatically reduce fluid stringing or tailing tendencies.

Preci-Tip Precision Dispensing Tips *standard* gauge tips are made from *phosphor bronze with electroless nickel coating*. This provides a hard, abrasion resistant nozzle with low resistance to fluid flow. As an option, Preci-Tips are available with a *nickel PTFE coating* – an electroless nickel coating

Preci-Tip™ Precision Dispensing Tips



with polytetrafluoroethylene particles. This provides a hard, abrasion resistant, inert, lubricious and hydrophobic surface which provides even better release of liquids and oils. *Micro-gauge* Preci-Tips are made from *nickel silver*. All Preci-Tips have polypropylene hubs.



Features & Benefits

- Dispense dots and beads as small as 50 microns
- High accuracy, repeatable dispensing
- Reduces dispense pump back pressure, improving performance
- Tips are clog-resistant and tapered for ease of flow, with good fluid break-off

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- Resist stringing
- Rigid metal nozzles have a much longer lifespan than single-use plastic dispensing tips
- Precise exit apertures
- Industry standard Luer Lock fitting compatible with any of our dispensing valves, pumps, or barrels

Applications

- Dispensing of adhesives, UV cured adhesives, filled adhesives (thermally or electrically conductive), solder paste
- Automated dispensing applications with tight tolerances and micro quantities
- Semiconductor packaging, encapsulation, underfills
- Applications and processes requiring repeatability and accuracy for validation, such as medical device assembly
- Placement of viscous, small diameter dots and lines
- Deposit of high surface tension fluid into wells
- Silicone gasket applications
- Dropping of phosphor laden silicone onto LEDs
- Dispense of grease/thermal grease
- Cavity fill
- Paste dispensing

Preci-Tip™ Precision Dispensing Tips



Preci-Tip Precision Dispensing Tips – standard gauges

Preci-Tip™ Precision Dispensing Tips



Phosphor bronze with electroless nickel coating



Product Code	Gauge	Colour	ID (inch)	ID (mm)	OD (inch)	OD (mm)
IDMSPREC18-PB-EN	18	Pink	0.041	1.039	0.049	1.240
IDMSPREC19-PB-EN	19	Tan	0.034	0.859	0.042	1.059
IDMSPREC20-PB-EN	20	Green	0.027	0.681	0.035	0.879
IDMSPREC21-PB-EN	21	Light Blue	0.024	0.610	0.032	0.810
IDMSPREC23-PB-EN	23	Purple	0.022	0.564	0.025	0.635

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IDMSPREC25 PB-EN	25	White	0.017	0.437	0.020	0.508
IDMSPREC27- PB-EN	27	Red	0.013	0.335	0.016	0.406
IDMSPREC30 PB-EN	30	Black	0.009	0.234	0.012	0.305



Preci-Tip™ Precision Dispensing Tips



Preci-Tip Precision Dispensing Tips – standard gauges with nickel PTFE coating

Phosphor bronze with nickel PTFE coating



Product Code	Gauge	Colour	ID (inch)	ID (mm)	OD (inch)	OD (mm)
IDMSPREC18-PB-PTFE	18	Pink	0.041	1.039	0.049	1.240
IDMSPREC19-PB-PTFE	19	Tan	0.034	0.859	0.042	1.059
IDMSPREC20-PB-PTFE	20	Green	0.027	0.681	0.035	0.879
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Preci-Tip Precision Dispensing Tips – standard gauges with nickel PTFE coating

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Preci-Tip Precision Dispensing Tips – micro gauges

Preci-Tip™ Precision Dispensing Tips



Nickel silver



Product code	Size	Colour	ID (inch)	ID (mm)	OD (inch)	OD (mm)
IDMSPREC-M150-NS	150µm	Blue	0.006	0.159	0.010	0.244
IDMSPREC-M100-NS	100µm	Orange	0.004	0.108	0.008	0.208
IDMSPREC0-M050-NS	50µm	Yellow	0.002	0.057	0.007	0.169


Specifications

Preci-Tip™ Precision Dispensing Tips



Nominal overall length	18mm
Hub temperature tolerance	-23°C to 100°C

Other Information

	<p>25 Top Dispensing Tips</p> <p>An invaluable list of do's and don'ts for liquid, fluid and paste dispensing, to help you achieve optimal adhesive and fluid dispensing processes.</p>
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Ordering Information

Preci-Tip™ Precision Dispensing Tips



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842842



orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

-
- Tell us about your application

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Supplied by:

intertronics

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e info@intertronics.co.uk

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