

S Type Nozzles

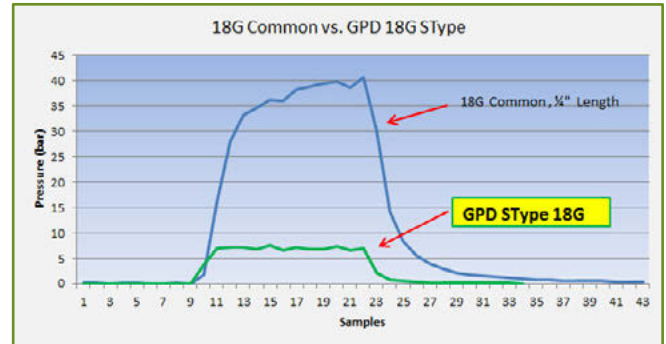
Optimize Flow & Control

Improve Dispense Results by reducing back pressure & eliminating clogs.

The **unique conical design** of our S Type Nozzles reduces back pressure through the material path, thus improving your existing dispense results. These nozzles also eliminate clogging that can occur as a result of high pressure build-up through the long tube of other nozzle styles.

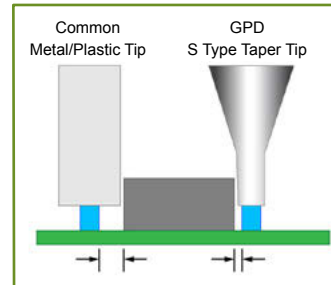


Dramatic Pressure Differential between a common metal, plastic-housing nozzle, and GPD S Type Taper Tips.



Benefits of S Type Taper Tips

- Use with any Luer nozzle system for immediate improvement
- Improved flow over commonly available Luer nozzles
- Better repeatability
- Less material wicking to nozzle side
- Smallest O.D. for given I.D.
- More rigid for given I.D.
- Can be cleaned for re-use
- Special coatings to meet process requirements



Dramatic Difference in Distance between Nozzle Tip & Component

GPD S Type Taper Nozzles

I.D.	O.D.	GAUGE	GAUGE	COLOR	PART NUMBER	
1.041 mm / 0.041"	0.049" / 1.245 mm	17 G	PB with EN*	Pink	10/4784	
0.864 mm / 0.034"	0.042" / 1.067 mm	18 G		Tan	10/4785	
0.686 mm / 0.027"	0.035" / 0.889 mm	19 G		Green	10/4786	
0.609 mm / 0.024"	0.032" / 0.813 mm	20 G		Light Blue	10/4787	
0.564 mm / 0.022"	0.025" / 0.635 mm	21 G		Purple	10/4788	
0.437 mm / 0.017"	0.020" / 0.508 mm	22 G		White	10/4789	
0.335 mm / 0.013"	0.016" / 0.406 mm	23 G		Red	10/4790	
0.233 mm / 0.009"	0.012" / 0.305 mm	25 G		Black	10/4791	
Standard Nozzle Sample Kit		17-25 G			all of above	10/4783
0.152 mm / 0.006"	0.254 mm / 0.010"	30 G		NS with EN†	Dark Blue	10/4792
0.102 mm / 0.004"	0.200 mm / 0.008"	32 G	Orange		10/4793	
0.051 mm / 0.002"	0.150 mm / 0.006"	---	NS‡		Yellow	10/4794
µm Nozzle Sample Kit includes 0.002", 0.004", & 0.006" I.D.s			see above	see above	22110499	

KEY:
 * PB with EN = Phosphor Bronze with Electroless Nickel
 † NS with EN = Nickel Silver with Electroless Nickel
 ‡ NS = Nickel Silver with no plating

Contact GPD Global regarding other standard metals.

O.D. Comparison

GAUGE	MEDICAL TUBING O.D.	GPD S TYPE O.D.
17 G	1.473 mm / 0.058"	1.245 mm / 0.049"
18 G	1.270 mm / 0.050"	1.067 mm / 0.042"
19 G	1.067 mm / 0.042"	0.889 mm / 0.035"
20 G	0.909 mm / 0.036"	0.813 mm / 0.032"
21 G	0.812 mm / 0.032"	0.635 mm / 0.025"
22 G	0.711 mm / 0.028"	0.508 mm / 0.020"
23 G	0.642 mm / 0.025"	0.406 mm / 0.016"
25 G	0.516 mm / 0.020"	0.305 mm / 0.012"

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