

Technical Syringe Information

23s-26s Dual Gauge Tapered Needle



23s Gauge Needle



26s Gauge Needle



Gauge Index Table

Gauge	Nominal O.D. mm*	Nominal O.D. mm*	Wall Thickness mm*	Volume µL/Inch
26s	0.474	0.127	0.35	0.322
26	0.464	0.260	0.20	1.349
25s	0.515	0.153	0.36	0.464
25	0.515	0.260	0.25	1.349
24	0.566	0.311	0.25	1.930
23s	0.642	0.116	0.53	0.268
23	0.642	0.337	0.30	2.266
22s	0.718	0.168	0.55	0.563
22	0.718	0.413	0.30	3.403
21	0.819	0.514	0.30	5.271
20	0.908	0.603	0.30	7.255
19	1.067	0.686	0.38	9.389

*mm are nominal

Plunger Tips

- PE-HD - with better durability than virginal PTFE when working with saline solution
- PTFE - gas tight sealing of the plunger tip, for most solvents and chemicals
- PTFE NUB - PTFE compound with highest durability and chemical resistant combined with low electrostatic effects
- SS-Gold coated * - Gold coated stainless steel, developed for use with aggressive solvents (e.g. strong acids)

*regular SS plunger syringes are available as gold coated version on request

Syringe Terminations

FN - Fixed Needle



LT - Luer Tip (with Fixed Needle)



TLL/TLL-X - Teflon (PTFE) Luer Lock



RN - Removable Needle



LT - Luer Tip (without Needle)



1/4"-28 UNF



Needle Tip Styles

Tip Style AS and c



Special conical needle recommended for septum penetration (Autosampler Type).

SGE

Hamilton

1

AS

Tip Style a



Beveled needle is recommended for life science applications.

2

4

Tip Style b



Blunt needle for use with HPLC Injection valves and for sample pipetting.

3

3

Tip Style d



Conical needle with side port is recommended for penetration of septa, thin-gauged vinyls and plastics without coring (Headspace GC).

5

5