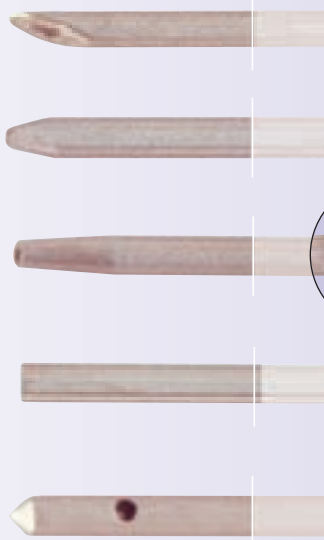


Syringe Needle Tip Style Selection Guide

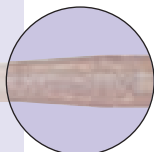


Bevel Tip

Pointed 17° bevel eases septa penetration and is ideal for sampling through membrane. Preferred tip for general dispensing of liquids.

Cone Tip

Blunt end tip minimizes septa coring for use in GC autosamplers.



HP Style Tip- Dual Gauge

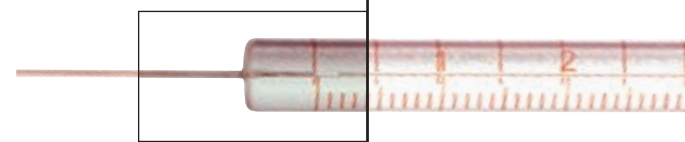
Special 90° blunt end tip for on column injection. Dual tapered design provides narrow entry point with high gauge strength to remaining length of needle..

Blunt End Tip

Blunt end tip is used for LC manual injectors. Prevents damage to rotor seals and stator face of manual injectors. Also minimizes fluid retention at needle end.

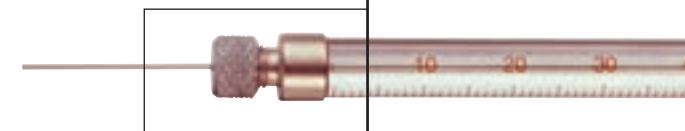
Side Hole/Dome Tip

Effective penetration of firmer or thicker septa without coring or plugging of the needle tip.



Fixed Needle Syringe

Permanently affixed needle. Attached through proprietary process that eliminates cement or epoxy for error free injections.



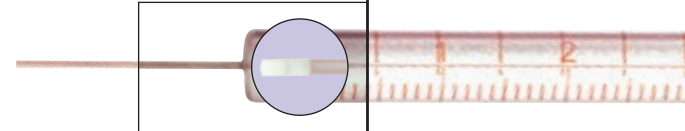
Removable Needle Syringe

Permits removal of bent needles for replacement. Same syringe can be used with different gauge needles to meet specific application needs.



Zero Dead Volume Syringe

Plunger extends into needle tip. Dispense whole liquid volumes. Full volume of sample contained within needle, no glass contact.



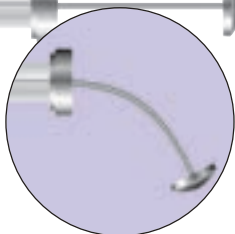
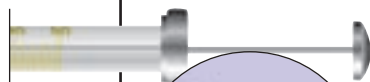
Gas Tight Syringe

PTFE tipped plunger helps to eliminate plunger freeze up. Use for liquid or gas samples.



Extended Handle Syringe

Features PTFE tipped plunger and extended metal handle. Prevents heat transfer from operator to syringe and protects the plunger from bending.



Super Elastic Plunger

Titanium/Nickel plunger construction prevents bent plungers. Plunger is flexible and returns to memory position.

