

Removable Needles - ILS



Needle Tip "a" - Bevel

This tip is designed for optimum penetration of the septa and prevents septa coring. The 17° bevel is the proven standard. In addition, our electro tapered tip minimizes the necessary piercing force and diameter of the injection channel.



Needle Tip "b" - Blunt / HPLC

This has a 90° bevel for precise pipetting. This design releases drops completely for maximum reproducibility. It is widely used for HPLC sample injection.



Needle Tip "c" - Cone

This is specially designed for autosamplers in routine applications. The electro tapered tip and the polished 90° square end eliminate burrs. It is ideal for PTFE laminated seals and regular septas.



Needle Tip "d" - Dome Tip with Side Hole

Equipped with a side opening for dispensing and filling. This design avoids plugging and minimizes septum damage. It is ideal for thicker septa, recommended for headspace analysis.