

## KNLL Needles with Plastic Luer-Screw - ILS



Length: 51 mm  
Needles: CrNi 1.4301 (AISI SS 304)  
Luer: Polyvinylidenfluorid (PVDF)



### 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 "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.