

What's a Luer Lock?



Most industrial dispensing systems rely on the **Luer** to fit

[dispensing needles](#), [dispensing tips](#) and other small fittings together. The Luer taper is a standardised (ISO 594) system for making leak-free connections between a male-taper fitting and its mating female part in the laboratory, industrial and medical world. **Luer Slip** fittings are simply held together by a friction fit; this is usually not recommended for industrial dispensing because it is not secure under pressure. **Luer Lock** fittings are more securely held because the hub of the female fitting (i.e. [dispensing needle](#)) has tabs or threads which screw into threads in a sleeve on the male part ([dispensing barrel](#), [dispensing syringe](#) or [dispensing valve](#)).

All of our dispensing components rely on standard **Luer Lock** fittings, both for interchangeability and standardisation, and dispensing integrity and quality. **Luer Slip** and **Luer Lock** components are reasonably interchangeable. Some of our dispensing tips have more complex threads to keep them in place even when dispensing slippery customers like silicone oils.



What's a Luer Lock?

Dispensing Needle with Luer Lock threads

We have further [Top Dispensing Tips](#) for you!

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