

Value Plastics Luer to Threaded Fittings

Cole-Parmer®



Designed to ensure a tight and reliable connection, luer to threaded fitting adapters allow for quick and easy assembly and disassembly without the need for tools. Luer fittings are a standardized system comprised of a male taper and a female mating part that provides a leak-free connection. Threaded fittings are designed to create a tight seal when assembled, preventing leakage of fluids or gases under pressure.

APPLICATIONS

- Equipment connections, chromatography, and microfluidics
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Quick and easy assembly without tools
- Luer fittings allow for a simple yet secure twist-lock connection
- Thread design provides a secure closure—preventing contamination



CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

WARNING: This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

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India	+1.800.266.1244

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Cole-Parmer®

coleparmer.com

*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Materials

Polypropylene (PP)

- Very good chemical resistance
- Sterilize by ethylene oxide (EtO), gamma irradiation, E-beam, or autoclave

Polypropylene is resistant to weak inorganic acids, organic acids, alcohols, ammonia, and oxidizing salts and has limited resistance to aliphatic hydrocarbons, esters, ketones, and ethers. Polypropylene is generally not recommended for aromatic and halogenated hydrocarbons.

Nylon

- Good chemical resistance
- Sterilize by ethylene oxide (EtO), gamma irradiation, or autoclave

Nylon is resistant to various chemicals, especially aliphatic and aromatic hydrocarbons, alkalis, greases, fuels, lubricants, and ketones. These nylon fittings are made from the same resin as natural nylon, but with FDA-compliant white coloring. They offer good tensile strength, stiffness, and impact resistance.

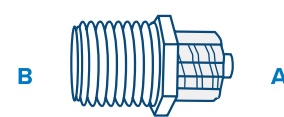
Polycarbonate (PC)

- Very good chemical resistance
- Sterilize by ethylene oxide (EtO) or gamma irradiation

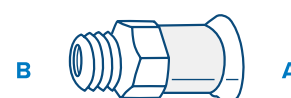
Polycarbonate offers very good chemical resistance to many aqueous solutions, diluted acids, alcohols, and non-aromatic hydrocarbons while maintaining excellent clarity and impact strength. Polycarbonate is well suited for applications requiring durability, dimensional stability, and visual inspection of flow paths.

Fittings

For additional options and complete offering, visit coleparmer.com.



Male Luer



Female Luer

Threading

UNF Thread

UNF stands for unified fine pitch threads. UNF threads provide a precise, straight-thread connection where controlled assembly and repeatable fit are required.

UNF Bottom-Sealing Thread

UNF bottom-sealing threads use the same straight-thread design but seal at the bottom of the port rather than on the threads themselves. This design creates a more reliable, leak-tight seal in critical applications where thread damage or misalignment could compromise performance.

NPT Thread

NPT (National Pipe Thread) creates a seal as the tapered threads tighten together, often enhanced with thread sealant or tape. They are best suited for general-purpose applications where robust sealing is needed and frequent disassembly is not required.

10-32 Special Tapered Thread

10-32 special tapered threads combine a fine thread profile with a slight taper to improve sealing in compact, low-flow applications. They are commonly used where space is limited and precise connections are critical.

Specification and Ordering Table

Flow Pattern	Luer Connection (A)	Thread Size (B)	Material	Color	Item Number	Pack Size
Straight	Female Luer 1/4" Hex	10-32 UNF(M)	Nylon	White	50120-00	25
	Female Luer 1/4" Hex	10-32 UNF(M)	Polycarbonate	Clear	50120-01	25
	Female Luer 5/16" Hex	1/4-28 UNF(M)	Nylon	White	50120-84	25
	Female Luer 5/16" Hex	1/4-28 UNF(M)	Polypropylene	Translucent	50120-85	25
	Female Luer 5/16" Hex	1/4-28 UNF(M)	Polycarbonate	Clear	50120-86	25
	Female Luer 5/16" Hex	1/4-28 UNF(M) Bottom Sealing	Nylon	White	50120-35	25
	Female Luer 5/16" Hex	1/4-28 UNF(M) Bottom Sealing	Polypropylene	Translucent	50120-92	25
	Female Luer 7/16" Hex	1/8-27 NPT(M)	Nylon	White	50119-94	25
	Female Luer 7/16" Hex	1/8-27 NPT(M)	Polypropylene	Translucent	50119-95	25
	Male Luer with Integral Lock Ring	10-32 (M) Special Tapered	Polypropylene	Translucent	50120-89	25
	Male Luer with Integral Lock Ring	1/4-28 UNF (M)	Nylon	White	50120-87	25
	Male Luer with Integral Lock Ring 7/16" Hex	1/8-27 NPT(M)	Polypropylene	Translucent	50119-91	25
	Male Luer with Integral Lock Ring 9/16" Hex	1/4-18 NPT(M)	Nylon	White	50119-93	25
	Male Luer with Integral Lock Ring 9/16" Hex	1/4-18 NPT(M)	Polypropylene	Translucent	50120-91	25
	Elbow	Female Luer 7/16" Hex	1/8-27 NPT(M)	Nylon	White	50120-71