

Value Plastics Luer to Hose Barb Fittings Straight Adapters

Cole-Parmer®



Quickly and easily transition from soft tubing to a system that accepts a luer connection. A single barb on one end of the fitting creates a tight seal to keep tubing in place. Luer fittings are a standardized system comprised of a male taper and a female mating part that provides a leak-free connection.



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.

APPLICATIONS

- Chromatography, microfluidics, and syringe pumping processes
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- **200 Series Barb** – High-pressure barb expanding tubing 50% above nominal ID for maximum retention
- **300 Series Barb** – Expands tubing 35% above nominal ID to support high-pressure use of larger tubing
- **400 Series Barb** – For flexible or semi-rigid tubing, expanding tubing 25% above nominal ID for moderate pressure needs.
- **500 Series Barb** – Blended-radius barb fits a range of tubing sizes, balancing flow, pressure, and assembly force

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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

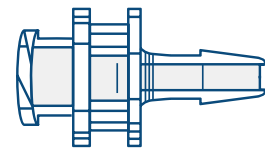
Polycarbonate offers very good chemical resistance to many aqueous solutions, diluted acids, alcohols, and non-aromatic hydrocarbons while maintaining excellent clarity and impact strength. Polycarbonate is well suited for applications requiring durability, dimensional stability, and visual inspection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

Fittings

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



Straight



Luer to Hose Barb



Specification and Ordering Table

Luer Connection	Tubing ID (A)	Barb Series	Material	Color	Item Number	Pack Size
Female Luer	1/16"	200 Series Barb	Polypropylene	Natural	50120-37	25
Female Luer	1/16"	200 Series Barb	Nylon	White	50120-49	25
Female Luer	1/16"	200 Series Barb	Polycarbonate	Clear	50120-67	25
Female Luer	1/16"	400 Series Barb	Polypropylene	Natural	50120-56	25
Female Luer	1/16"	500 Series Barb	Polypropylene	Natural	50120-42	25
Female Luer	1/16"	500 Series Barb	Nylon	White	50120-61	25
Female Luer	1/16"	500 Series Barb	Polycarbonate	Clear	50120-48	25
Female Luer	3/32"	200 Series Barb	Polypropylene	Natural	50120-44	25
Female Luer	3/32"	200 Series Barb	Nylon	White	50120-63	25
Female Luer	3/32"	200 Series Barb	Polycarbonate	Clear	50120-50	25
Female Luer	1/8"	200 Series Barb	Polypropylene	Natural	50120-55	25
Female Luer	1/8"	200 Series Barb	Nylon	White	50120-38	25
Female Luer	1/8"	200 Series Barb	Polycarbonate	Clear	50120-59	25
Female Luer	1/8"	400 Series Barb	Polypropylene	Natural	50120-60	25
Female Luer	1/8"	500 Series Barb	Polypropylene	Natural	50119-96	25
Female Luer	1/8"	500 Series Barb	Nylon	White	50120-36	25
Female Luer	1/8"	500 Series Barb	Polypropylene	Natural	50120-54	25
Female Luer	5/32"	200 Series Barb	Polypropylene	Natural	50120-45	25
Female Luer	5/32"	200 Series Barb	Nylon	White	50120-64	25
Female Luer	5/32"	200 Series Barb	Polycarbonate	Clear	50120-51	25
Female Luer	3/16"	200 Series Barb	Polypropylene	Natural	50120-70	25
Female Luer	3/16"	200 Series Barb	Nylon	White	50120-39	25
Female Luer	3/16"	200 Series Barb	Polycarbonate	Clear	50120-68	25
Female Luer	1/4"	300 Series Barb	Polypropylene	Natural	50120-69	25
Female Luer	1/4"	500 Series Barb	Polypropylene	Natural	50120-62	25
Female Luer	1/4"	500 Series Barb	Polycarbonate	Clear	50120-43	25
Panel Mount Female Luer	1/16"	200 Series Barb	Polypropylene	Natural	50120-65	25
Panel Mount Female Luer	1/16"	200 Series Barb	Polycarbonate	Clear	50120-46	25
Panel Mount Female Luer	3/32"	200 Series Barb	Polypropylene	Natural	50120-52	25
Panel Mount Female Luer	1/8"	200 Series Barb	Nylon	White	50120-40	25

Luer Connection	Tubing ID (A)	Barb Series	Material	Color	Item Number	Pack Size
Male Slip Luer	1/16"	200 Series Barb	Polypropylene	Natural	50120-77	25
Male Slip Luer	1/16"	200 Series Barb	Nylon	White	50120-76	25
Male Slip Luer	3/32"	200 Series Barb	Polypropylene	Natural	50120-78	25
Male Slip Luer	1/8"	200 Series Barb	Polypropylene	Natural	50120-80	25
Male Slip Luer	1/8"	200 Series Barb	Nylon	White	50120-79	25
Male Luer	1/8"	500 Series Barb	Polypropylene	Natural	50120-12	25
Male Luer	1/4"	500 Series Barb	Polycarbonate	Clear	50120-13	25
Male Luer with Integral Lock Ring	1/16"	200 Series Barb	Polypropylene	Natural	50120-95	25
Male Luer with Integral Lock Ring	1/16"	200 Series Barb	Nylon	White	50120-21	25
Male Luer with Integral Lock Ring	1/16"	200 Series Barb	Polycarbonate	Clear	50120-22	25
Male Luer with Integral Lock Ring	1/16"	400 Series Barb	Polycarbonate	Clear	50120-34	25
Male Luer with Integral Lock Ring	1/16"	500 Series Barb	Polypropylene	Natural	50120-16	25
Male Luer with Integral Lock Ring	1/16"	500 Series Barb	Nylon	White	50120-15	25
Male Luer with Integral Lock Ring	3/32"	200 Series Barb	Polypropylene	Natural	50120-24	25
Male Luer with Integral Lock Ring	3/32"	200 Series Barb	Nylon	White	50120-23	25
Male Luer with Integral Lock Ring	3/32"	200 Series Barb	Polycarbonate	Clear	50120-25	25
Male Luer with Integral Lock Ring	3/32"	400 Series Barb	Polypropylene	Natural	50120-73	25
Male Luer with Integral Lock Ring	3/32"	400 Series Barb	Nylon	White	50120-72	25
Male Luer with Integral Lock Ring	1/8"	200 Series Barb	Polypropylene	Natural	50120-96	25
Male Luer with Integral Lock Ring	1/8"	200 Series Barb	Nylon	White	50120-26	25
Male Luer with Integral Lock Ring	1/8"	200 Series Barb	Polycarbonate	Clear	50120-27	25
Male Luer with Integral Lock Ring	1/8"	500 Series Barb	Polypropylene	Natural	50120-18	25
Male Luer with Integral Lock Ring	1/8"	500 Series Barb	Nylon	White	50120-17	25
Male Luer with Integral Lock Ring	5/32"	200 Series Barb	Polypropylene	Natural	50120-29	25
Male Luer with Integral Lock Ring	5/32"	200 Series Barb	Nylon	White	50120-28	25
Male Luer with Integral Lock Ring	5/32"	200 Series Barb	Polycarbonate	Clear	50120-30	25
Male Luer with Integral Lock Ring	3/16"	200 Series Barb	Polypropylene	Natural	50120-31	25
Male Luer with Integral Lock Ring	3/16"	200 Series Barb	Polycarbonate	Clear	50120-32	25
Male Luer with Integral Lock Ring	1/4"	300 Series Barb	Polypropylene	Natural	50120-33	25
Male Luer with Integral Lock Ring	1/4"	500 Series Barb	Nylon	White	50120-19	25
Male Luer with Integral Lock Ring	1/4"	500 Series Barb	Polypropylene	Natural	50120-20	25