



Luer Fittings



# Luer Taper Overview

## OVERVIEW

In order to get the best results from your applications, it is good to understand what options are available within our Luer fittings. Please note, Luers are not intended to interface with any of our quick couplings.

## LUER TAPER BASICS



Luer Taper fittings are made by a number of different manufactures. When selecting a Luer, it is important to balance the product's quality with its price to ensure you are not over paying. Both price and quality start in the initial design of the product and continues to the final products features. Our Luer Fittings have the following features:

- Single Barb design
- Smooth Gate
- Smooth Nurlers
- Smooth Bore Fluid Path
- Medical Grade Materials
- Manufactured in the USA

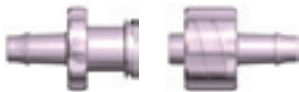
## APPLICATIONS



Ideal applications for Luers include:

- IV Lines
- Wound Drainage
- Catheters
- Temperature Management
- Air lines
- Lab chemicals
- Ink Dispensing
- And many other applications

## SMOOTH BORE FLUID PATH



Our Luer fittings are designed with a smooth fluid path. This design feature has a number of benefits including:

- Less surfaces for liquid and particulates to cling to
- More laminar flow
- Medical instruments can more easily pass through the product without snagging

## TUBE BARBS

## SIZES



- 1/16" ID
- 3/32" ID
- 1/18" ID
- 5/32" ID
- 3/16" ID

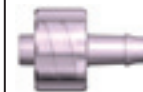
## BODY OPTIONS

## IMAGE

Female  
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Male  
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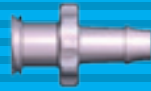


## MORE OPTIONS



[KentSystems.com/Luer\\_Fittings\\_QR.php](http://KentSystems.com/Luer_Fittings_QR.php)

Discover more about KENT Systems Luer Fittings online. Simply scan this QR Code to be directed to the Luer section of our website. *Data charges may apply. See your cell phone provider for details.*



### Overview Specifications

TEST	SPECIFICATION
Pressure Rating	-10 PSI thru 25 PSI
Temperature Rating	-50°F thru 100°F
Connection Cycles Body	100 connections (before product should be replaced)

*Specifications for products with Nylon, Acetal, Stainless Steel, Buna-N, materials*

### Flow Rates

BARB SIZE	FEMALE	MALE
1/16"	0.4 GPM	0.4 GPM
3/32"	0.5 GPM	0.5 GPM
1/8"	1.25 GPM	1.25 GPM
5/32"	1.8 GPM	1.8 GPM
3/16"	2.5 GPM	2.5 GPM

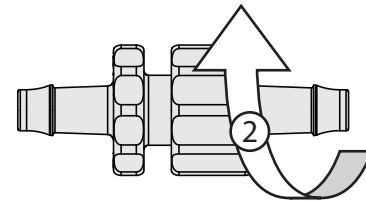
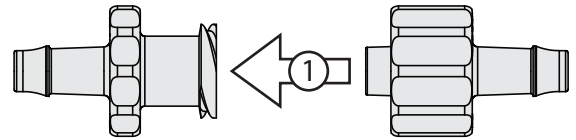
*Tested with water, 60°F, 10PSI. Individual results may vary*

### Tubing Sizes

TUBE ID	BARB OD	BORE ID	TUBE ID RANGE
1/16" (1.5 mm)	.102"	.060"	.063" - .078"
3/32" (2.25 mm)	.129"	.076"	.078" - .109"
1/8" (3.0 mm)	.164"	.096"	.094" - .141"
5/32" (4.0 mm)	.208"	.122"	.125" - .188"
3/16" (4.75 mm)	.264"	.155"	.156" - .234"

*Note: Tubing can vary greatly in size and tolerance. Tube clamps should not be necessary if using quality tubing at reasonable pressures.*

### SIMPLE TWIST TURN DESIGN



**Single Barb Design**

- No parting line helps prevent leak paths
- Does not require bonding adhesive
- Does not require tube clamp

**Smooth Gates**

- Lower Costs
- Reduces vestige which can tear medical gloves

**Smooth Nurlers**

- Easy to grip and tighten connection
- Reduces sharp edges which can tear medical gloves

**Medical Grade Materials**

- Class VI Polypropylene
- Polycarbonate
- Nylon

Please contact KENT Systems for Free Samples to use for testing purposes.

# Female Luer



## OVERVIEW

The Female Luer Taper offers our Salient Barb™ for easy installation and superior hold on a wide range of tubing. Our Luer is designed to work with any Male ISO 594/1 luer on market.

## PRIMARY ADVANTAGE



The primary advantage of our Female Luer Fittings is the smooth bore and well thought out design. This design offers a versital, yet cost effective solution. Female luer features include:

- Smooth Bore
- Smooth nurles of easy handling
- Smooth gate
- No moving parts

## Sample Configurations

Our Female luer can be connected to any standared Male luer. For best results, it is recommended that both Male and Female luer be made of the same material. A sampling of configurations is shown below.

### FEMALE LUER

### MALE MALE



- A simple twist turn locks the product into place
- Use when connecting a tube to a tube

## More Configurations

### LOOKING FOR MORE OPTIONS?

Here are KENT Systems we have been designing and manufacturing products for years. In that time we have manufactured hundreds of different products. If you are looking for something specific let us know. Chances are we have a solution for you. All you have to do is contact us and we will be able to help you out.

## MATERIALS

LOCATION	STANDARD
Body	Polypropylene
Body	Polycarbonate
Body	Nylon

## RATING

TYPE	RATING	NOTES
Pressure	25 PSI	With a healthy safety margin
Vacuum	-10 PSI	In closed system

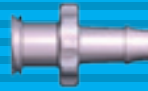
## APPLICATIONS



KENT Systems products are used in a number of medical applications. It is nice to know that we are helping to make people's lives better. How can we make your life better?

## NEED HELP?

We love solving problems and lending our customers a helping hand. If you can't find what you are looking for or you need help selecting the right product for the job, simply give us a call. A trained Customer Service representative will be happy to assist you. Call 970.593.3185



### 1/16" \*



PART NUMBER	MATERIAL
LAN204-P00	Natural Polypropylene
LAN204-PC00	Natural Polycarbonate
LAN204-N01	White Nylon

### 3/32" \*



PART NUMBER	MATERIAL
LAN206-P00	Natural Polypropylene
LAN206-PC00	Natural Polycarbonate
LAN206-N01	White Nylon

### 1/8" \*



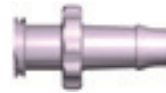
PART NUMBER	MATERIAL
LAN208-P00	Natural Polypropylene
LAN208-PC00	Natural Polycarbonate
LAN208-N01	White Nylon

### 5/32" \*



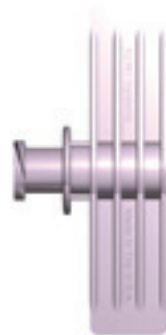
PART NUMBER	MATERIAL
LAN210-P00	Natural Polypropylene
LAN210-PC00	Natural Polycarbonate
LAN210-N01	White Nylon

### 3/16" \*



PART NUMBER	MATERIAL
LAN212-P00	Natural Polypropylene
LAN212-PC00	Natural Polycarbonate
LAN212-N01	White Nylon

### FITMENT



PART NUMBER	MATERIAL
LAWF1A-P00	Natural Polypropylene
LAWF1A-PC00	Natural Polycarbonate
LAWF1A-N01	White Nylon

\* Barb sizes relate to the inner diameter of your tubing. Please note, tubing material quality and may require you to select a different barb size to achieve a proper fit.

# Male Luer



## OVERVIEW

The Male Luer Taper offers our Salient Barb™ for easy installation and superior hold on a wide range of tubing. Our Luer is designed to work with any Female ISO 594/1 luer on market.

## PRIMARY ADVANTAGE



The primary advantage of our Male Luer Fitting smooth bore and well thought design. This design offers a versital, yet cost effective solution. Male luer features include:

- Smooth Bore
- Smooth nurles of easy handling
- Smooth gate
- No moving parts

## Sample Configurations

Our Male luer can be connected to any standared Female luer. For best results, it is recomended that both Male and Female luer be made of the same material. A sampling of configurations is shown below.

### FEMALE LUER



### MALE MALE



- A simple twist turn locks the product into place
- Use when connecting a tube to a tube

## More Configurations

### LOOKING FOR MORE OPTIONS?

Here are KENT Systems we have been designing and manufacturing products for years. In that time we have manufactured hundreds of different products. If you are looking for something specific let us know. Chances are we have a solution for you. All you have to do is contact us and we will be able to help you out.

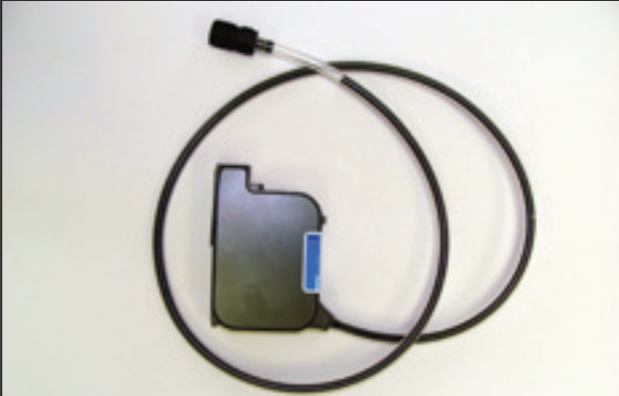
## MATERIALS

LOCATION	STANDARD
Body	Polypropylene
Body	Polycarbonate
Body	Nylon

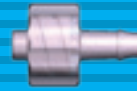
## RATING

TYPE	RATING	NOTES
Pressure	25 PSI	With a healthy safety margin
Vacuum	-10 PSI	In closed system

**APPLICATIONS**



Our luer fittings are also used in the transfer of high grade inks.



**1/16" \***

**PART NUMBER MATERIAL**



LBN204-P00	Natural Polypropylene
LBN204-PC00	Natural Polycarbonate
LBN204-N01	White Nylon

**3/32" \***

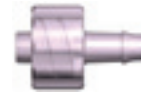
**PART NUMBER MATERIAL**



LBN206-P00	Natural Polypropylene
LBN206-PC00	Natural Polycarbonate
LBN206-N01	White Nylon

**1/8" \***

**PART NUMBER MATERIAL**



LBN208-P00	Natural Polypropylene
LBN208-PC00	Natural Polycarbonate
LBN208-N01	White Nylon

**5/32" \***

**PART NUMBER MATERIAL**



LBN210-P00	Natural Polypropylene
LBN210-PC00	Natural Polycarbonate
LBN210-N01	White Nylon

**3/16" \***

**PART NUMBER MATERIAL**



LBN212-P00	Natural Polypropylene
LBN212-PC00	Natural Polycarbonate
LBN212-N01	White Nylon

**NEED HELP?**

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