

# Miniature Luer Fittings

**Stock • Custom**

*Most orders shipped  
within 48 HOURS!*

**> ex-USA**

**Transit ~10days**

**Import > Australia**

**Min ORDER AUD100**

## FITTINGS

- ◀ LUER
- ◀ BARBED
- ◀ THREADED
- ◀ PIPE

## MATERIALS OFFERED

- ◀ STAINLESS STEEL
- ◀ NICKEL PLATED BRASS
- ◀ TITANIUM
- ◀ BRASS



- Highest Level Medical Quality
- Manufactured to ISO 594/1,-2
- Immediate Delivery
- Over 2,000 Combinations
- T316 Stainless Steel
- Nickel Plated Brass
- Delrin
- Titanium & Other Materials
- Specials Become Standard

## ISO 594/1,2

All fittings are made to the **ISO 594/1-1986** and **ISO 594/2-1991** Standards which cover conical fittings with a 6% luer taper. Together, these ISO Standards replace the ISO Recommendation **R 594-1967** for conical fittings made of rigid and semi-rigid materials for use with hypodermic syringes and needles and with certain other apparatus for medical use.

Applying the most recent ISO Standards to the manufacturing processes of our LUER fittings allows us to offer our customers the most up-to-date products available on the market. If you do require LUERS made to ANSI/HIMA standards, they are still being manufactured and there are many in stock in both brass and stainless steel. Feel free to call for more information if you need a special fitting designed, or if you are unsure of the fitting to correctly suit your needs.

- Stock LUERS
- Machined Parts
- Custom
- Laser Welded Assemblies

See our extensive list of standards on the following pages. If you cannot find the one you're looking for in our standards, send us any drawings or application descriptions you have. We will be glad to work with you to get you the exact fitting you need.

The basic concept of the ModuLUER line of LUER fittings is that all standards and components are in stock. With our extensive precision welding capabilities and these stocked parts, almost any fitting configuration has a short lead time.

Your "special" is probably already sitting on our shelf.



## Over 2,000 Combinations Available!

*Do you have a special application that requires a unique configuration? Let MicroGroup assist you in designing a configuration from over 2,000 combinations available from ModuLUER components listed. Call now and let's work together on that new design!*

ISO 594/1,-2  
or  
ANSI/HIMA

# ModuLuer Luer Fittings, Valves & Inspection Gauges

Short Lead Times  
Tough Jobs



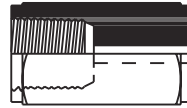
Male LUER (ML)\*



Female Straight Thread



Male LUER-Lock (MLL)\*



Female Pipe Thread (FP)



Female LUER (FL)



Barb (B)



Female LUER Thread (FLT)



Caps (CAP)



Male Straight Thread (MT)



Elbows (LB)



Male Pipe Thread (MP)



Tees (T)

## Standard Part Numbering

Ex.: P/N #316 - MLL/BHB062-6H2

Alloy - 316	Left Termination - MLL	Right Termination - BHB062	Body Diameter - 6	Body Type - H	Inside Diameter - 2
303 303 Stainless Steel	B032 1/32" Barb	B032 1/32" Barb	1 1/16"	H Hex Body	1 .018/.020
304 304 Stainless Steel	B062 1/16" Barb	B062 1/16" Barb	2 1/8"	K Knurl Body	2 .060/.062
316 316 Stainless Steel	B125 1/8" Barb	B125 1/8" Barb	3 3/16"	R Round Body	3 .093/.094
NPB Nickel Plated Brass	B188 3/16" Barb	B188 3/16" Barb	4 1/4"	S Square Body	B No Bore smallest I.D.
BRS 360 Brass	B250 1/4" Barb	B250 1/4" Barb	5 5/16"		
TI Titanium	Cap2528 1/4-28 Cap	BHB032 1/32" Bulkhead Barb	6 3/8"		
DEL Delrin	Cap2532 1/4-32 Cap	BHB062 1/16" Bulkhead Barb	7 7/16"		
NYL Nylon		BHB125 1/8" Bulkhead Barb			
Note: Other materials available upon request.	FL Female Luer	FL Female Luer	8 1/2"		
	FLT Female Luer Thread	FLT Female Luer Thread	9 9/16"		
	FP125 1/8" Female Pipe		10 5/8"		
	FT1032 10-32 Female Thread	FT1032 10-32 Female Thread	11 11/16"		
	FT2528 1/4-28 Female Thread	FT2528 1/4-28 Female Thread	12 3/4"		
	FT2532 1/4-32 Female Thread	FT2532 1/4-32 Female Thread			
	ML Male Luer	Hub Hub			
	MLL Male Luer Lock	ML Male Luer			
	MP062 1/16" Male Pipe	MLL Male Luer Lock			
	MP125 1/8" Male Pipe	MP062 1/16" Male Pipe			
	MP250 1/4" Male Pipe	MP125 1/8" Male Pipe			
	MT1032 10-32 Male Thread	MP250 1/4" Male Pipe			
	MT2528 1/4-28 Male Thread	MT1032 10-32 Male Thread			
	MT2532 1/4-32 Male Thread	MT2528 1/4-28 Male Thread			
	NUT Nut	MT2532 1/4-32 Male Thread			
	SK Sinker				

We also custom manufacture with Tuohy Borst compression style connectors. Please refer to [www.microgroup.com](http://www.microgroup.com) for additional product and pricing information.

- As an option we can add "O-Rings" to male LUERS and LUER Locks.
- Actual barb O.D.'s are manufactured oversized (refer to page 42).





ISO 594/1,-2  
or  
ANSI/HIMA

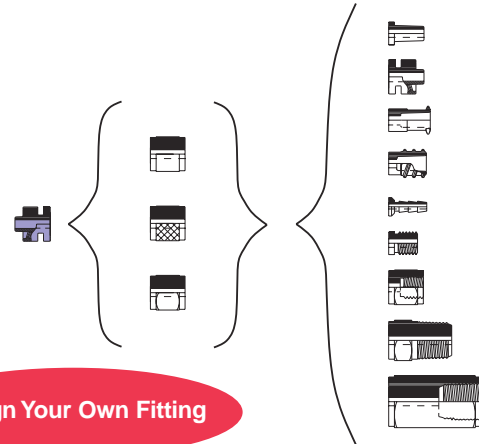
# Male LUER Lock

Short Lead Times  
Tough Jobs

Call For Quantity Discounts



Male-LUER-Lock ModuLUER fittings are manufactured to ISO 594/1,-2 and are available in several modular lengths and sections. Specials quoted on request.



24 hrs.!



316-MLL-6H3  
NPB-MLL-6K3



316-MLL-6HB  
NPB-MLL-6KB



316-MLL-6R3  
NPB-MLL-6RB



316-MLL-6RB



316-MLL/B032-6H1



316-MLL/B062-6H2  
NPB-MLL/B062-6K2



316-MLL/B125-6H3  
NPB-MLL/B125-6K3



316-MLL/B188-6H3  
NPB-MLL/B188-6K3



316-MLL/B250-6H3  
NPB-MLL/B250-6K3



316-MLL/BH-6H3



316-MLL/BHB032-6H1  
NPB-MLL/BHB032-6K1



316-MLL/BHB062-6H2  
NPB-MLL/BHB062-6K2



316-MLL/BHB125-6H3  
NPB-MLL/BHB125-6K3



316-MLL/FL-6H3  
NPB-MLL/FL-6K3



316-MLL/FLT-6H3  
NPB-MLL/FLT-6K3



NPB-MLL/MLL-6R3



316-MLL/MLL-6H3



316-MLL/FP125-9H3  
NPB-MLL/FP125-9H3



316-MLL/FT1032-6H3  
NPB-MLL/FT1032-6H3



316-MLL/FT2528-6H3  
NPB-MLL/FT2528-6H3



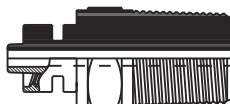
316-MLL/FT2532-6H3  
NPB-MLL/FT2532-6H3



316-MLL/MP062-6H3  
NPB-MLL/MP062-6H3



316-MLL/MP125-7H3  
NPB-MLL/MP125-7H3



316-MLL/MP250-9H3  
NPB-MLL/MP250-9H3



316-MLL/MT1032-6H3  
NPB-MLL/MT1032-6H3



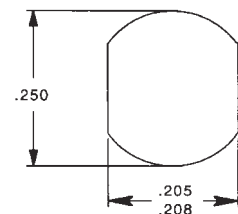
316-MLL/MT2528-6H3  
NPB-MLL/MT2528-6H3



316-MLL/MT2532-6H3  
NPB-MLL/MT2532-6H3

## Bulkhead Specifications

Bulkhead fittings come equipped with panel nuts and lock washers. The 1/4"-32 thread is finished with flats on either side to prevent turning. The recommended panel hole size is shown below.



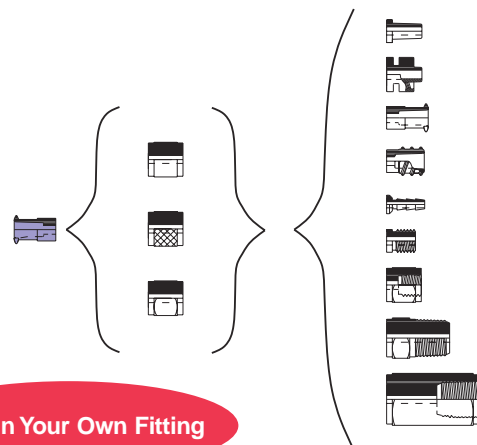
ISO 594/1,-2  
or  
ANSI/HIMA

## Female LUER

Short Lead Times  
Tough Jobs



Female ModuLUER fittings are manufactured to ISO 594/1,-2 and are available in several modular lengths and sections. Specials quoted on request.



24 hrs.! ▼



316-FL/-4R3



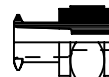
316-FL/-5H3



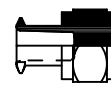
316-FL/-5HB  
NPB-FL/-5KB



316-FL/HUB-5HB  
NPB-FL/HUB-5KB



316-FL/-6H3



316-FL/6HB



316-FL/B032-5H1



316-FL/B062-5H2  
NPB-FL/B062-5K2



316-FL/B125-5H3  
NPB-FL/B125-5K3



316-FL/B188-6H3  
NPB-FL/B188-6K3



316-FL/B250-6H3  
NPB-FL/B250-6K3



316-FL/BH-6H3



316-FL/BHB032-6H1



316-FL/BHB062-6H2



316-FL/BHB125-6H3  
NPB-FL/BHB125-6K3



316-FL/FL-5H3  
NPB-FL/FL-5K3



316-FL/FT1032-6H3  
NPB-FL/FT1032-6H3



316-FL/FT2528-6H3  
NPB-FL/FT2528-6H3



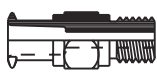
316-FL/FT2532-6H3  
NPB-FL/FT2532-6H3



316-FL/FP-125-9H3  
NPB-FL/FP-125-9H3



316-FL/MT1032-5H3  
NPB-FL/MT1032-5H3



316-FL/MT2528-5H3  
NPB-FL/MT2528-5H3



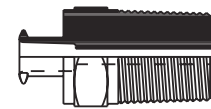
316-FL/MT2532-5H3  
NPB-FL/MT2532-5H3



316-FL/MP062-6H3



316-FL/MP125-7H3  
NPB-FL/MP125-7H3



316-FL/MP250-9H3

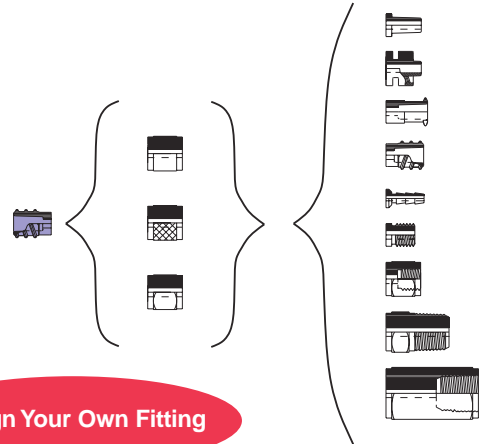
ISO 594/1,-2  
or  
ANSI/HIMA

## Female LUER Thread

Short Lead Times  
Tough Jobs

Call For Quantity Discounts

Female LUER Threads ModuLUER fittings are manufactured to ISO 594-1,-2 and are available in several modular lengths and sections. Specials quoted on request.



Design Your Own Fitting

24 hrs.!



316-FLT/-4R3



316-FLT/-5H3  
NPB-FLT/-5K3



316-FLT/-5HB  
NPB-FLT/-5KB



316-FLT/HUB-5HB  
NPB-FLT/HUB-5KB



316-FLT/-6H3  
NPB-FLT/-6K3



316-FLT/-6HB  
NPB-FLT/-6KB



316-FLT/B032-5H1  
NPB-FLT/B032-5K1



316-FLT/B062-5H2  
NPB-FLT/B062-5K2



316-FLT/B125-5H3  
NPB-FLT/B125-5K3



316-FLT/B188-6H3  
NPB-FLT/B188-6K3



316-FLT/B250-6H3  
NPB-FLT/B250-6K3



316-FLT/BH-6H3



316-FLT/BHB032-6H1



316-FLT/BHB062-6H2  
NPB-FLT/BHB062-6K2



316-FLT/BHB125-6H3  
NPB-FLT/BHB125-6K3



316-FLT/FLT-5H3  
NPB-FLT/FLT-5K3



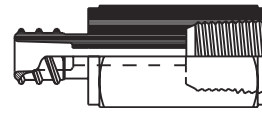
316-FLT/FT1032-6H3  
NPB-FLT/FT1032-6H3



316-FLT/FT2528-6H3  
NPB-FLT/FT2528-6H3



316-FLT/FT2532-6H3  
NPB-FLT/FT2532-6H3



316-FLT/FP125-9H3



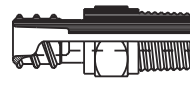
316-FLT/MT1032-5H3  
NPB-FLT/MT1032-5H3



316-FLT/MT2528-5H3  
NPB-FLT/MT2528-5H3



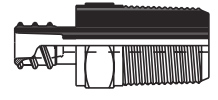
316-FLT/MT2532-5H3  
NPB-FLT/MT2532-5H3



316-FLT/MP062-6H3



316-FLT/MP125-7H3  
NPB-FLT/MP125-7H3



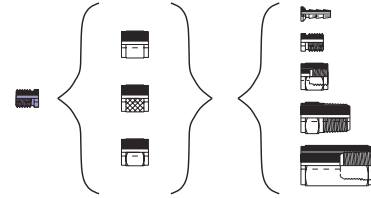
316-FLT/MP250-9H3

Call For Quantity Discounts

ISO 594/1,-2

Male Straight Thread

ModuLuer straight thread fittings are manufactured to applicable standards in 10-32, 1/4-28, and 1/4-32.

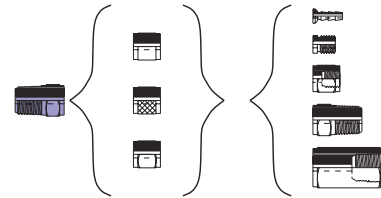


ANSI/HIMA

































Male Pipe Thread (NPT)

Tough Jobs

Pipe fittings are manufactured to applicable standards in 1/16 NPT (spl order), 1/8 NPT, and 1/4 NPT. Specials quoted on request.



24 hrs.!

					
316-MT1032/-4R3	316-MT2528/-4R3	316-MT2532/-4R3	316-MT1032/-5H3 NPB-MT1032/-6H3	316-MT2528/-5H3	316-MT2532/-5H3
					
316-MT1032/-6H3	316-MT2528/-6H3 NPB-MT2528/-6H3	316-MT2532/-6H3 NPB-MT2532/-6H3	316-MP062/-6HB 316-MP062/-6H3 NPB-MP062/-6HB	316-MP125/-7HB 316-MP125/-7H3 NPB-MP125/-7HB	316-MP250/-9HB 316-MP250/-9H3 NPB-MP250/-9HB
					
316-MT1032/B032-5H1	316-MT2528/B032-5H1 NPB-MT2528/B032-5H1	316-MT2532/B032-5H1	316-MP062/B032-6H1	316-MP125/B032-7H1	316-MP250/B032-9H1
					
316-MT1032/B062-5H2	316-MT2528/B062-5H2 NPB-MT2528/B062-5H2	316-MT2532/B062-5H2 NPB-MT2532/B062-5H2	316-MP062/B062-6H2 NPB-MP062/B062-6H2	316-MP125/B062-7H2 NPB-MP125/B062-7H2	316-MP250/B062-9H2 NPB-MP250/B062-9H2
					
316-MT1032/B125-5H3 NPB-MT1032/B125-5H3	316-MT2528/B125-5H3 NPB-MT2528/B125-5H3	316-MT2532/B125-5H3 NPB-MT2532/B125-5H3	316-MP062/B125-6H3	316-MP125/B125-7H3 NPB-MP125/B125-7H3	316-MP250/B125-9H3 NPB-MP250/B125-9H3
					
316-MT1032/B188-6H3 NPB-MT1032/B188-6H3	316-MT2528/B188-6H3	316-MT2532/B188-6H3	316-MP062/B188-6H3	316-MP125/B188-7H3 NPB-MP125/B188-7H3	316-MP250/B188-9H3 NPB-MP250/B188-9H3
					
316-MT1032/B250-6H3	316-MT2528/B250-6H3 NPB-MT2528/B250-6H3	316-MT2532/B250-6H3 NPB-MT2532/B250-6H3	316-MP062/B250-6H3	316-MP125/B250-7H3	316-MP250/B250-9H3



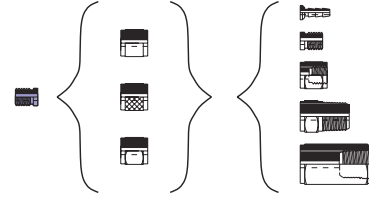
Call For Quantity Discounts

ISO 594/1,-2

Female Straight Thread

Short Lead Times

ModuLuer straight thread fittings are manufactured to applicable standards in 10-32, 1/4-28, and 1/4-32.

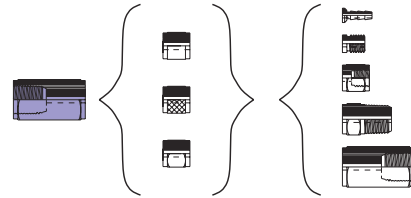


ANSI/HIMA

Female Pipe Thread (NPT)

Tough Jobs

Pipe fittings are manufactured to applicable standards in 1/16 NPT (spl order), 1/8 NPT, and 1/4 NPT. Specials quoted on request.



24 hrs.! ▼



316-FT1032-6H3  
NPB-FT1032-6H3



316-FT2528-6H3



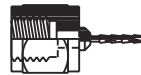
316-FT2532-6H3



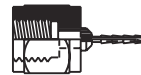
316-FP125-9H3



316-FT1032/B032-6H1  
NPB-FT1032/B032-6H1



316-FT2528/B032-6H1  
NPB-FT2528/B032-6H1



316-FT2532/B032-6H1



316-FP125/B032-9H1



316-FT1032/B062-6H2  
NPB-FT1032/B062-6H2



316-FT2528/B062-6H2  
NPB-FT2528/B062-6H2



316-FT2532/B062-6H2  
NPB-FT2532/B062-6H2



316-FP125/B062-9H2



316-FT1032/B125-6H3  
NPB-FT1032/B125-6H3



316-FT2528/B125-6H3  
NPB-FT2528/B125-6H3



316-FT2532/B125-6H3



316-FP125/B125-9H3



316-FT1032/B188-6H3  
NPB-FT1032/B188-6H3



316-FT2528/B188-6H3



316-FT2532/B188-6H3



316-FP125/B188-9H3



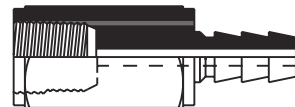
316-FT1032/B250-6H3  
NPB-FT1032/B250-6H3



316-FT2528/B250-6H3  
NPB-FT2528/B250-6H3



316-FT2532/B250-6H3  
NPB-FT2532/B250-6H3



316-FP125/B250-9H3

ISO  
594/1,-2  
or ANSI/HIMA

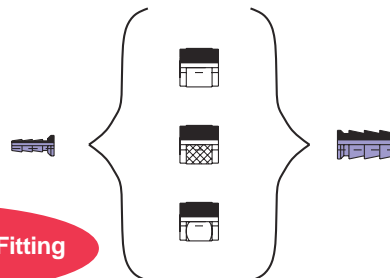
## Barb

Short Lead Times  
Tough Jobs

24 hrs.!

Barb fittings are used to connect rubber and/or plastic tubing (1/32 - 1/4 ID) to ModuLUER assemblies. Specials quoted on request.

Design Your Own Fitting



### Actual Barb Diameter

barb O.D.=.046

barb O.D.=.120

barb O.D.=.200

barb O.D.=.240

barb O.D.=.280



316-B032/-2R1



316-B062/-4R2



316-B125/-4R3



316-B188/-4R3



316-B250/-4R3



316-B032/B032-5H1



316-B062/B062-6H2



316-B032/B062-6H1  
NPB-B032/B062-6K1



316-B062/B125-6H2



316-B125/B125-6H3



316-B188-B188-6H3



316-B250/B250-6H3  
NPB-250/B250-6K3

For further details – refer to  
[www.microgroup.com](http://www.microgroup.com)

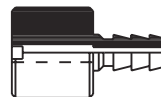
## Sinkers

24 hrs.!

Sinkers are used to terminate plastic and/or rubber tubing when the application requires the end to be submerged.



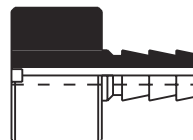
316-SK50/B032-1



316-SK100/B125-3



316-SK200/B188-3  
NPB-SK200/B188-3



NPB-SK200/B250-3



## Caps

Caps are used to provide a leak tight, metal-to-metal closure on 1/4-28 male thread ModuLUER fittings.

316-CAP2528-6HB



## Tees

Tees are readily available as special order items, usually fabricated from 1/4", 3/8", or 1/2" solid stock.



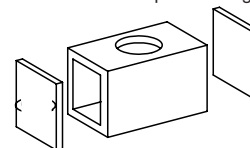
## Elbows

Elbows are readily available as special order items, usually fabricated from 1/4", 3/8", or 1/2" solid stock.



## Manifolds

Manifolds are readily available as special order items, usually fabricated from 3/8" O.D. x .065" Wall square tubing.



ISO  
594/1,-2  
or ANSI/HIMA

## Luer Taper Gauges

Short Lead Times  
Tough Jobs



A full line of Luer Standards Documentation and Taper Gauges are available for either the ANSI/HIMA MD70. 1-1983 or the newer ISO 594/1,2 1986-1991 Standards. All Gauges are hardened and ground. Each gauge is available with written certification at an additional charge. When inquiring, please specify the type of material from which the Luers to be checked are made, since differences occur between rigid and non-rigid materials.

### ISO 594/1,2

ISO 594/1,2		
Item #	Description	\$ ea.
<b>ISO 594/1-86 E Paragraph 5.1 Gage Testing</b>		Call for pricing  ↓
LTG-3A	Female stepped cone ring gage for testing dimensional characteristics and taper size of <u>rigid male luer fittings</u> .	
LTG-3B	Female stepped cone ring gage for testing dimensional characteristics and taper size of <u>semi-rigid male luer fittings</u> .	
LTG-3C	Male stepped cone plug gage for testing dimensional characteristics and taper size of <u>female luer fittings</u> in all materials.	
<b>ISO 594/1-86 E Paragraph 5.2 Liquid Leakage</b>		
LTG-4	Female conical fitting for leak testing <u>male luer fittings</u> . <i>Requires application of water at 300 kpa, not for use with lock nut in place.</i>	
LTG-5M	Male conical fitting for leak testing <u>female luer fittings</u> . <i>Requires application of water at 300 kpa.</i>	
<b>ISO 594/2-91 E Paragraph 5.2 Leak Testing</b>		
LTG-5F	Female conical fitting with lugs for leak testing <u>male luer fittings</u> with lock nut in place. <i>Requires application of water at 300 kpa.</i>	
LTG-7	Male conical fitting with lock nut in place for leak testing <u>female luer fittings</u> with lugs. <i>Requires application of water at 300 kpa.</i>	
<b>ISO 594/2-91 E Paragraph 5.4 Separation Force</b>		
LTG-6	Female conical fitting with lugs for separation force testing <u>male luer fittings</u> with lock nut in place.	
LTG-8	Male conical fitting with lock nut for separation force testing <u>female luer fittings</u> with lugs in place.	

### ANSI/HIMA

ANSI/HIMA		
Item #	Description	\$ ea.
ANSI/HIMA MD70.1-83 Paragraph 4.2 Gage Testing		Call for pricing
LTG-4-AH	Female stepped cone ring gage for testing dimensional characteristics and taper size of <u>rigid and nonrigid male luer fittings</u> .	
LTG-5-AH	Male stepped cone plug gage for testing dimensional characteristics and taper size of <u>rigid and nonrigid female luer fittings</u> .	↓
ANSI/HIMA MD70.1-83 Paragraph 5.2.1 Liquid Leakage		
LTG-6A-AH	Female conical fitting for leak testing <u>male luer fittings</u> . <i>Requires application of water at 310 kpa, not for use with lock nut in place.</i>	
LTG-6B-AH	Male conical fitting for leak testing <u>female luer fittings</u> . <i>Requires application of water at 310 kpa.</i>	
ANSI/HIMA MD70.1-83 Paragraph 8.2.1 Leak Testing		
LTG-8-AH	Female conical fitting with lugs place for leak testing <u>male luer fittings</u> with lock nut in place. <i>Requires application of water at 310 kpa.</i>	↓
LTG-9-AH	Male conical fitting with lock nut in place for leak testing <u>female luer fittings</u> with lugs. <i>Requires application of water at 310 kpa.</i>	

**Special Orders Welcome! If You Don't See It THIS In Catalog ... Call Us > for ALTs ?**

✓ Check Here

LEFT TERMINATION

VALVE BODY

RIGHT TERMINATION

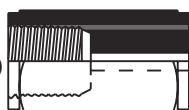
Check Here ✓

☐ Male LUER (ML)☐ Male LUER-Lock (MLL)☐ Female LUER (FL)☐ Female LUER-Thread (FLT)☐ Male Thread (MT)MT1032  
MT2528  
MT2532☐ Female Thread (FT)FT1032  
FT2528  
FT2532☐ Barb (B)

For Tube I.D.	Actual Barb O.D.
1/32" (B032)	.046
1/16" (B062)	.120
1/8" (B125)	.200
3/16" (B188)	.240
1/4" (B250)	.280

☐ Female Pipe Thread (FP)

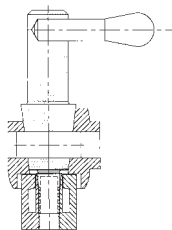
1/8" NPT (FP125)

☐ Male Pipe Thread (MP)1/16" NPT (MP062)  
1/8" NPT (MP125)  
1/4" NPT (MP250)☐ Specials (SPL) \_\_\_\_\_

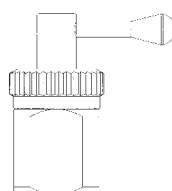
SPECIALS

**PLUG**

(Special)

**or  
SPINDLE**

(Stock)

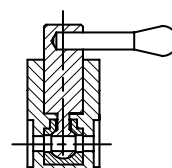
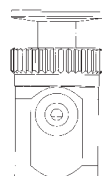


1/8"

**or  
BALL**

(Special)

25 Dia. Thru

1/8" Ball  
.062" Dia. Thru**or  
TRUMPET**  
(Stock)

.059" Dia. Thru



Male LUER (ML)

☐

Male LUER-Lock (MLL)

☐

Female LUER (FL)

☐

Female LUER-Thread (FLT)

☐

Male Thread (MT)

☐

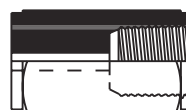
Female Thread (FT)

☐

Barb (B)

☐

For Tube I.D.	Actual Barb O.D.
1/32" (B032)	.046
1/16" (B062)	.120
1/8" (B125)	.200
3/16" (B188)	.240
1/4" (B250)	.280



Female Pipe Thread (FP)

☐

1/8" NPT (FP125)



Male Pipe Thread (MP)

☐1/16" NPT (MP062)  
1/8" NPT (MP125)  
1/4" NPT (MP250)

SPECIALS

Specials (SPL) \_\_\_\_\_

☐

FOR QUOTE REQUEST, PLEASE CHECK OFF THE ABOVE TERMINATIONS OR DESIGN  
YOUR OWN SPECIAL CONFIGURATION