




















FITTINGS for science and industry



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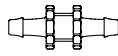
Watson-Marlow Alitea designs and manufactures a wide range of peristaltic pumps for science and industry. A peristaltic pump relies on the tubing it uses for fluid flow. In almost all applications, at the end of the peristaltic pump tube, there is a connection to other equipment. We can help by providing a comprehensive range of connectors and fittings suitable for use in analytical instruments, medical devices and a number of other areas. The scope of this catalogue is to present our range of fittings.

Being part of the Watson-Marlow Bredel group, world leaders in peristaltic pumps, we are committed to developing customised solutions for a huge range of applications. Every year, nearly ten thousand Watson-Marlow Alitea pumps are fitted as original equipment in products ranging from detergent dispensers to fermenters and bioreactors, from waste water treatment to keyhole surgery equipment, from printing applications to seed coating machines. With 25 years in the international market and over a thousand OEM-applications behind us we are the ideal partner to accurately define needs and provide optimised technical solutions for accurate low flow liquid handling. When customers install our pumps, tubings and fittings, they gain from our flexibility and experience with increased efficiency and profitability. Accurately defining our customers needs and providing the optimal technical solution, that's how we build long term relationships with satisfied customers.

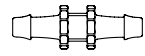
Straight connectors, equal legs

For flexible tubing

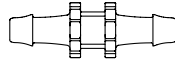
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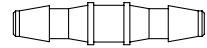
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N007-6



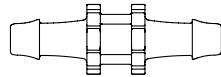
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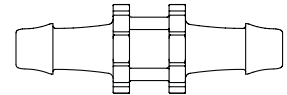
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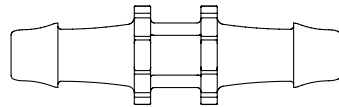
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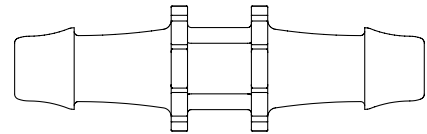
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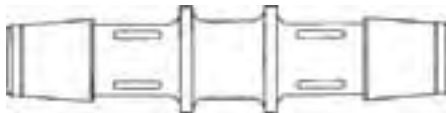
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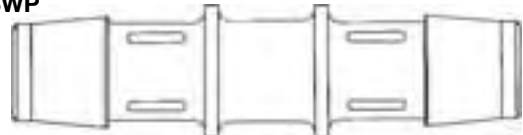
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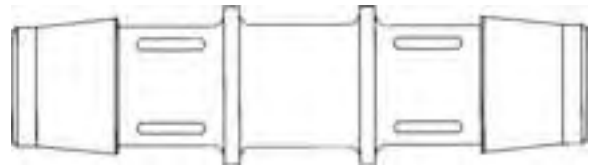
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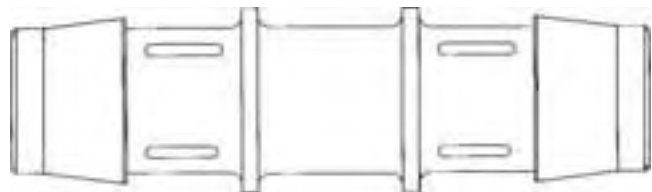
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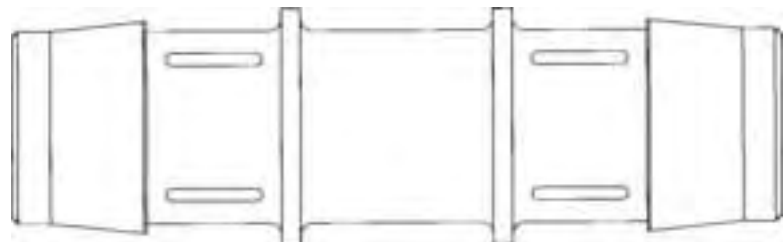
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C0-10WP



19.2 mm ID
C0-12WP



25.4 mm ID
C0-16WP

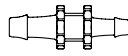


Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

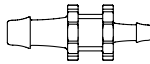
Straight reductions

For flexible tubing

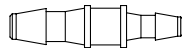
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N007/004-6



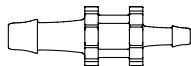
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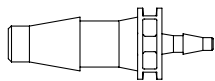
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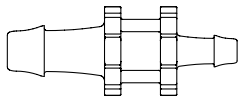
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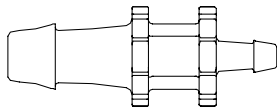
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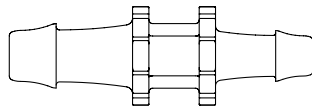
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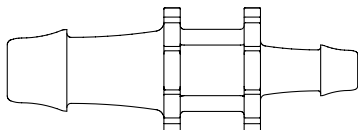
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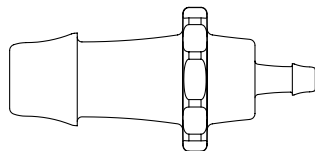
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N055/035-6



8.0 mm ID to 4.8 mm ID
N065/035-6



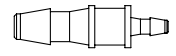
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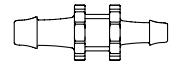
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C6-5WP



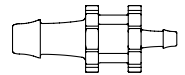
3.2 mm ID to 1.6 mm ID
N230/210-6



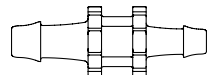
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N013/007-6



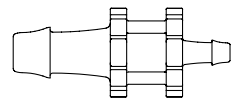
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N025/004-6



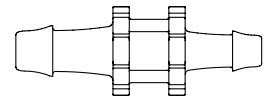
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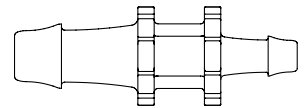
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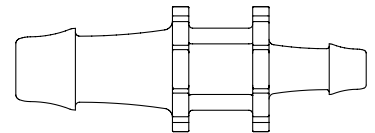
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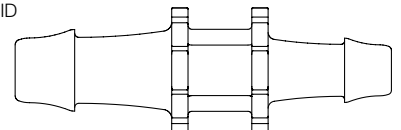
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N055/025-6



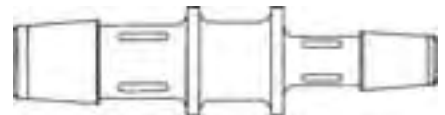
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N065/025-6



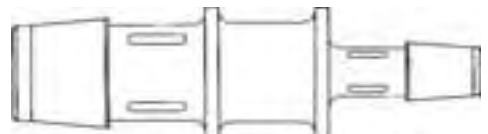
8.0 mm ID to 6.4 mm ID
N065/055-6



9.6 mm ID to 6.4 mm ID
C6-4WP



12.7 mm ID to 6.4 mm ID
C8-4WP



Continued

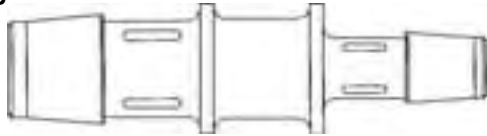
Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Straight reductions (continued)

For flexible tubing

12.7 mm ID to 8.0 mm ID

C8-5WP



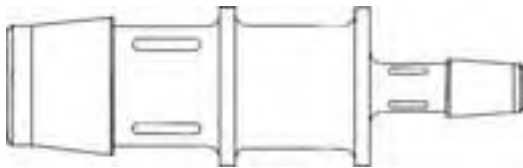
12.7 mm ID to 9.6 mm ID

C8-6WP



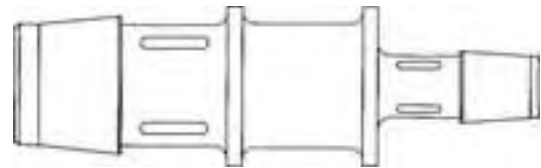
16.0 mm ID to 6.4 mm ID

C10-4WP



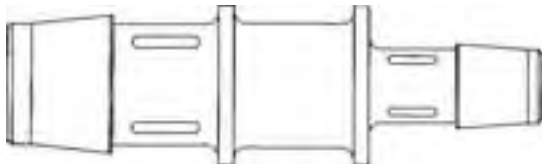
16.0 mm ID to 8.0 mm ID

C10-5WP



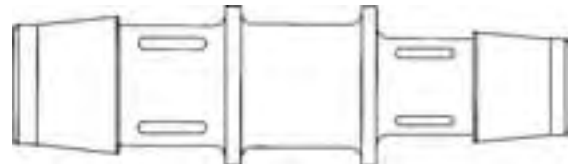
16.0 mm ID to 9.6 mm ID

C10-6WP



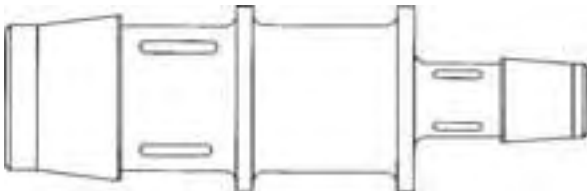
16.0 mm ID to 12.7 mm ID

C10-8WP



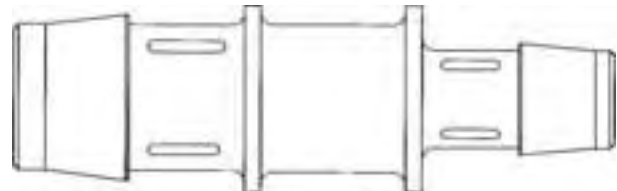
19.2 mm ID to 9.6 mm ID

C12-6WP



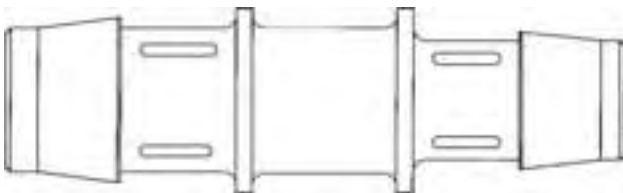
19.2 mm ID to 12.7 mm ID

C12-8WP



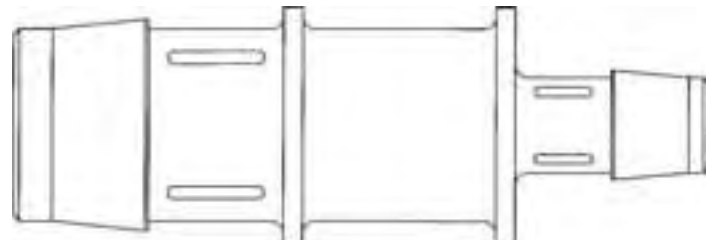
19.2 mm ID to 16.0 mm ID

C12-10WP



25.4 mm ID to 12.7 mm ID

C16-8WP



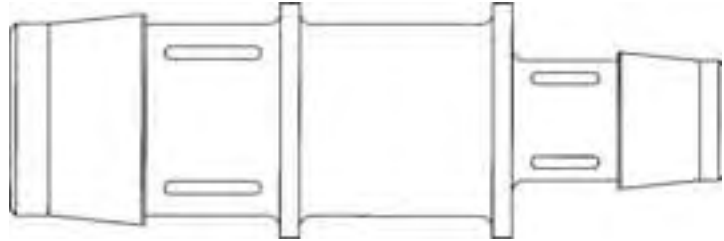
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All illustrations in scale 1:1.

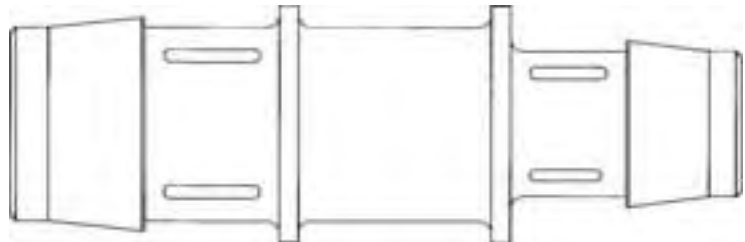
Straight reductions (continued)

For flexible tubing

25.4 mm ID to 16.0 mm ID
C16-10WP



25.4 mm ID to 19.2 mm ID
C16-12WP



Also see the Panel Mount section for further tube to tube options.

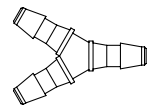
Y-connectors, equal legs

For flexible tubing

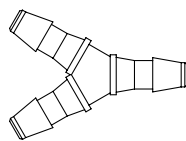
1.6 mm ID
Y210-6



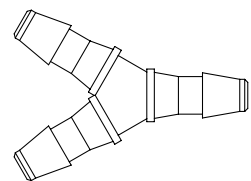
2.4 mm ID
Y220-6



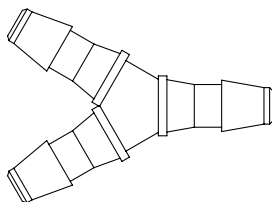
3.2 mm ID
Y230-6



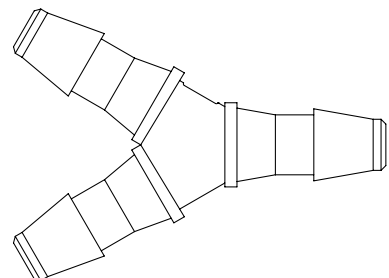
4.0 mm ID
Y240-6



4.8 mm ID
Y250-6



6.4 mm ID
Y260-6



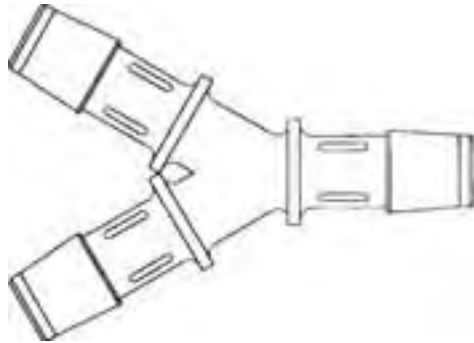
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Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

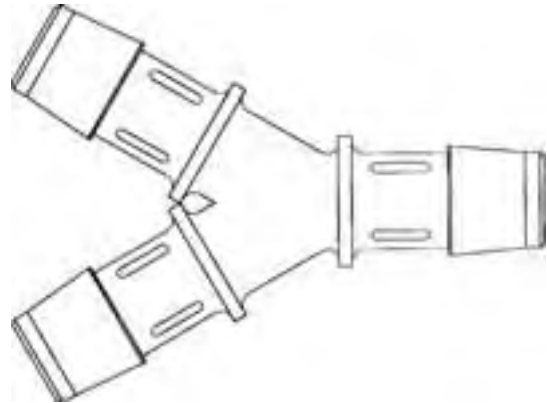
Y-connectors, equal legs (continued)

For flexible tubing

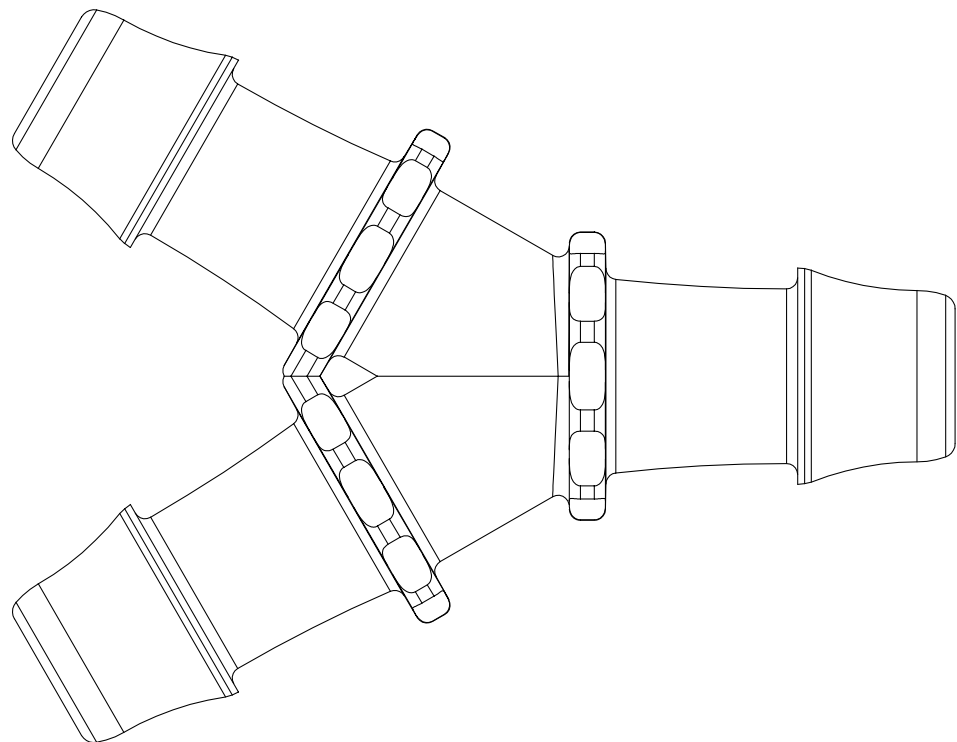
9.6 mm ID
Y0-6WP



12.7 mm ID
Y0-8WP



25.4 mm ID
Y110-6



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
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Elbow connectors, equal legs

For flexible tubing

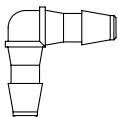
1.6 mm ID
L210-6



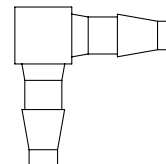
2.4 mm ID
L220-6



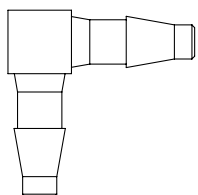
3.2 mm ID
L230-6



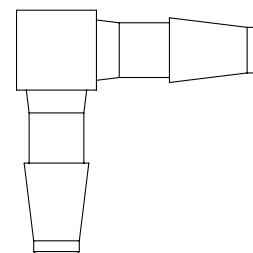
4.0 mm ID
L40-6



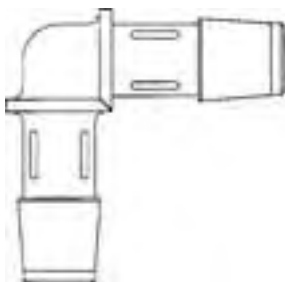
4.8 mm ID
L50-6



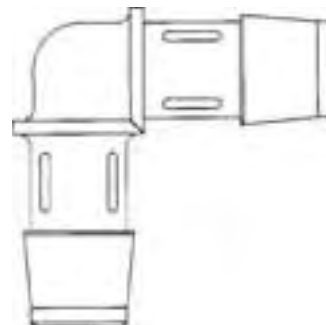
6.4 mm ID
L60-6



9.6 mm ID
L0-6WP



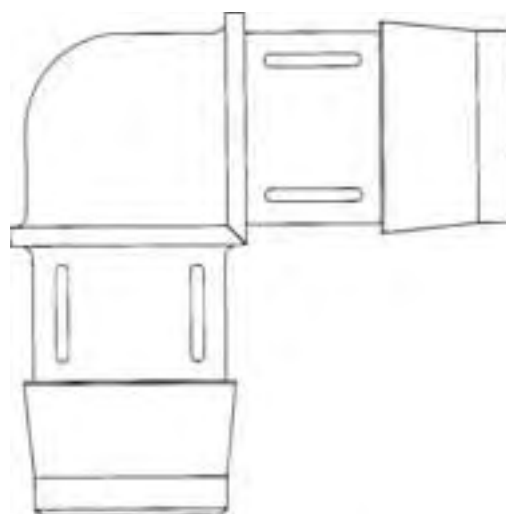
12.7 mm ID
L0-8WP



16.0 mm ID
L0-10WP

19.2 mm ID
L0-12WP

25.4 mm ID
L0-16WP



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

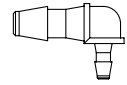
Elbow, reductions

For flexible tubing

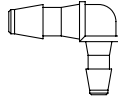
2.4 mm ID to 1.6 mm ID
L220/210-6



3.2 mm ID to 1.6 mm ID
L230/210-6



3.2 mm ID to 2.4 mm ID
L230/220-6



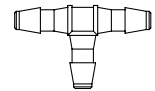
T-connectors, equal legs

For flexible tubing

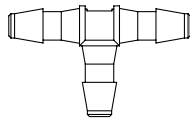
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T210-6



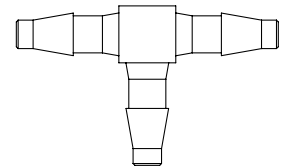
2.4 mm ID
T220-6



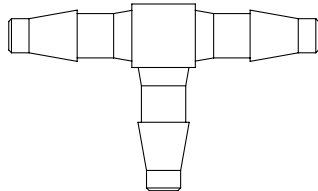
3.2 mm ID
T230-6



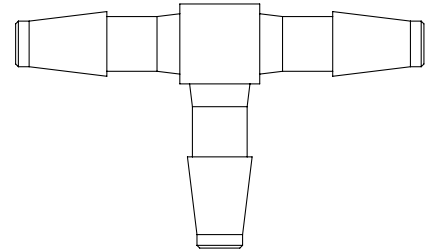
4.0 mm ID
T40-6



4.8 mm ID
T50-6



6.4 mm ID
T60-6



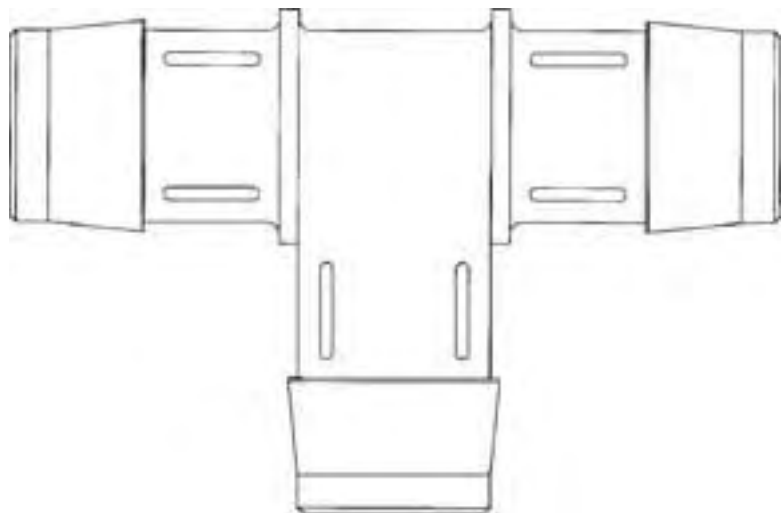
9.6 mm ID
T0-6WP

12.7 mm ID
T0-8WP

16.0 mm ID
T0-10WP

19.2 mm ID
T0-12WP

25.4 mm ID
T0-16WP

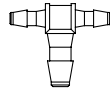


Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

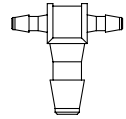
T-connectors, reductions

For flexible tubing

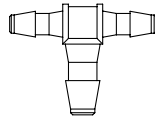
One 2.4 mm ID to two 1.6 mm ID
T210/220-6



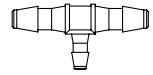
One 3.2 mm ID to two 1.6 mm ID
T210/230-6



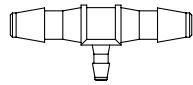
One 3.2 mm ID to two 2.4 mm ID
T220/230-6



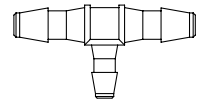
One 1.6 mm ID to two 2.4 mm ID
T220/210-6



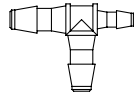
One 1.6 mm ID to two 3.2 mm ID
T230/210-6



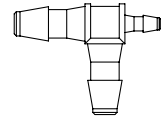
One 2.4 mm ID to two 3.2 mm ID
T230/220-6



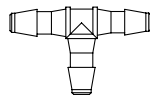
2.4 mm ID elbow with 1.6 mm ID outlet
T220R210-6



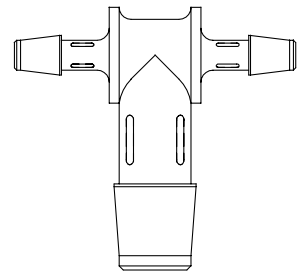
3.2 mm ID elbow with 1.6 mm ID outlet
T230R210-6



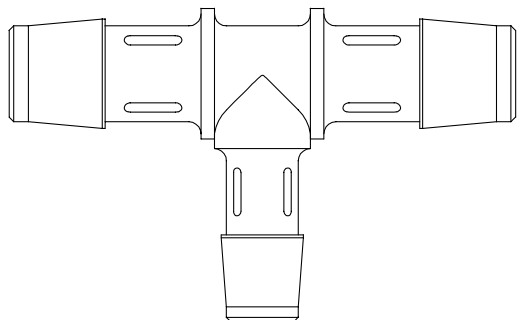
3.2 mm ID elbow with 2.4 mm ID outlet
T230R220-6



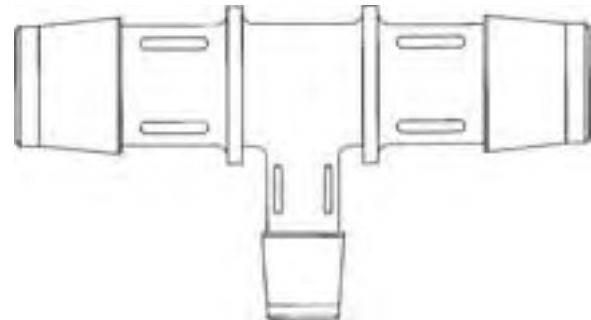
One 9.6 mm ID to two 4.0 mm ID
RT2.5-6NP



One 9.6 mm ID to two 12.7 mm ID
RT8-6WP



One 9.6 mm ID to two 16.0 mm ID
RT10-6WP



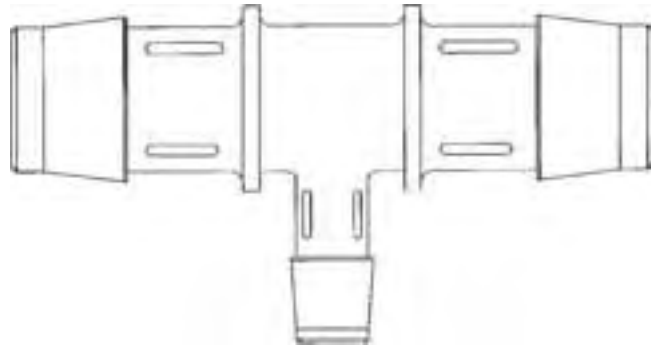
Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

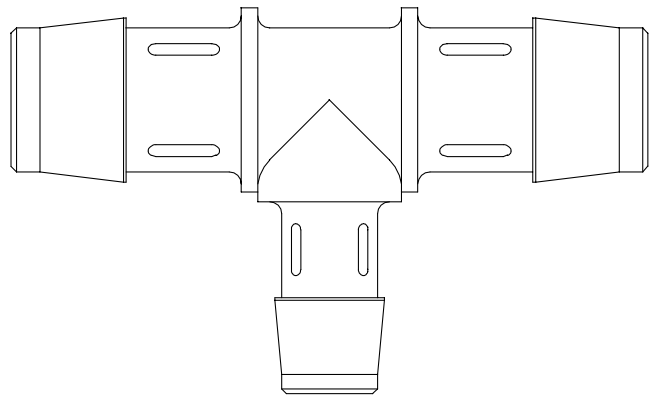
T-connectors, reductions (continued)

For flexible tubing

One 9.6 mm ID to two 19.2 mm ID
RT12-6WP



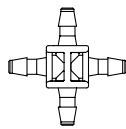
One 12.7 mm ID to two 19.2 mm ID
RT12-8WP



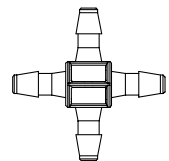
4-way connectors, equal legs

For flexible tubing

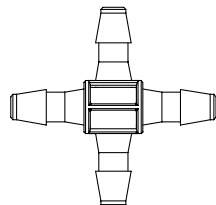
1.6 mm ID
4PX210-6



2.4 mm ID
4PX220-6



3.2 mm ID
4PX230-6



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

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Plugs

For flexible tubing

1.6 mm ID
PIP210-6



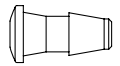
2.4 mm ID
PIP220-6



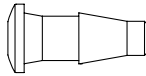
3.2 mm ID
PIP230-6



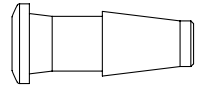
4.0 mm ID
PIP240-6



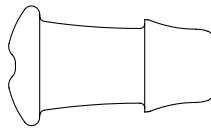
4.8 mm ID
PIP50-6



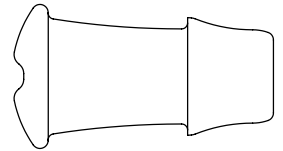
6.4 mm ID
PIP60-6



9.6 mm ID
PIP70-6



12.7 mm ID
PIP80-6

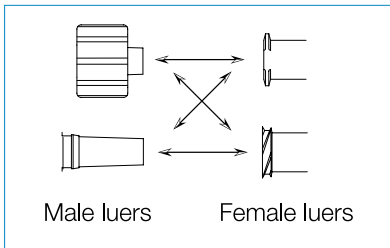


Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Luer Taper Standards

All luers are made to ANSI/HIMA and ISO Standards MD70-1-1983, ISO 594-1-2 and may be connected to other luers which meet these standards. Please test your application to verify performance of your interconnection.

**All Male Luers
connect to all Females**

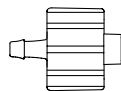


Luer connectors

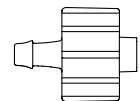
For flexible tubing

Male Luer, integral fixed lock ring

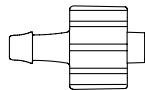
for 1.6 mm ID
MTLL004-6



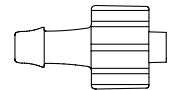
for 2.4 mm ID
MTLL007-6



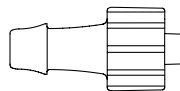
for 3.2 mm ID
MTLL013-6



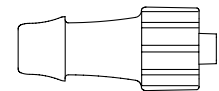
for 4.0 mm ID
MTLL025-6



for 4.8 mm ID
MTLL035-6

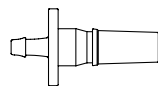


for 6.4 mm ID
MTLL055-6

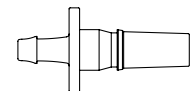


Male Luer for separate rotating lock ring (Lock ring FSLLR is sold separately)

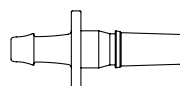
for 1.6 mm ID
MLRL004-6



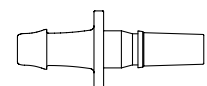
for 2.4 mm ID
MLRL007-6



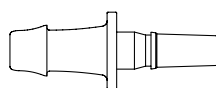
for 3.2 mm ID
MLRL013-6



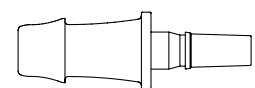
for 4.0 mm ID
MLRL025-6



for 4.8 mm ID
MLRL035-6



for 6.4 mm ID
MLRL055-6



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Luer connectors (continued)

For flexible tubing

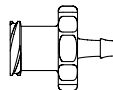
Male Luer rotating lock ring

Lock ring (colour coded)
FSLLR-6

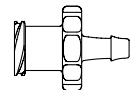


Female Luer

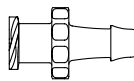
for 1.6 mm ID
FTLL004-6



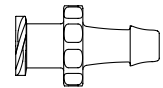
for 2.4 mm ID
FTLL007-6



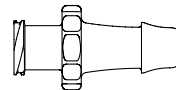
for 3.2 mm ID
FTLL013-6



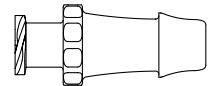
for 4.0 mm ID
FTLL025-6



for 4.8 mm ID
FTLL035-6

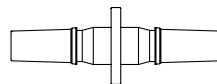


for 6.4 mm ID
FTLL055-6

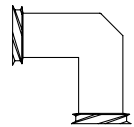


Luer to Luer connectors and Plugs

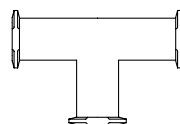
Male to Male Coupler*
MLRLC-6



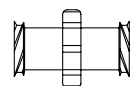
Female Elbow
FTLLE-6



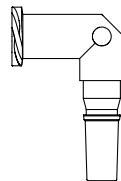
Female T
FTLT-6



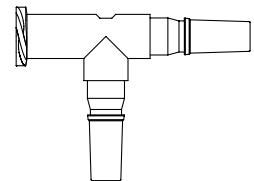
Female to Female Coupler
FTLLC-6



Male to Female Elbow*
LE87-6



Male (2ea) to Female T*
LT787-6



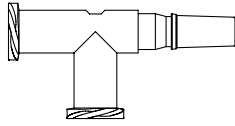
* May be used with separate rotating lock ring FSLLR.

Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Luer to Luer connectors and Plugs (continued)

Female (2ea) to Male T*
LT878-6



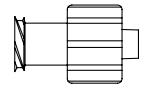
Male Luer Plug
LP4-6



Female Luer Plug
FTLLP-6



Male/female Luer Plug
LP34-6

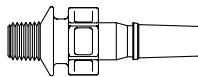


* May be used with separate rotating lock ring FSLLR.

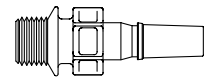
Luer to thread connectors

Male Luer

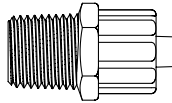
to 10-32 tapered*
XMLRL-6



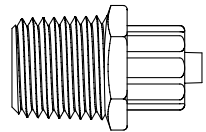
to 1/4-28 UNF*
SMLRL-6



to 1/8-27 NPT, Integral Lock Ring
18MTLL-6



to 1/4-18 NPT, Integral Lock Ring
14MTLL-6



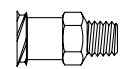
* May be used with separate rotating lock ring FSLLR.

Female Luer

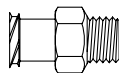
to 10-32 UNF
KFTLL-6



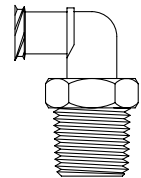
to 10-32 tapered
XFTLL-6



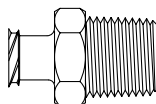
to 1/4-28 UNF
SFTLL-6



Elbow to 1/8-27 NPT
18LFTLL-6



to 1/8-27 NPT
18FTLL-6



See Thread section for thread specifications.
Also see the Panel Mount section for further Luer options.

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

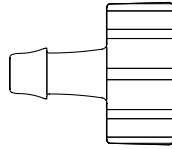
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Luer connectors, Large Bore

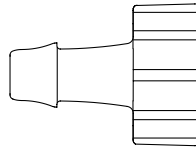
For flexible tubing

Male Large Bore Luer, integral fixed lock ring

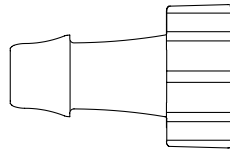
for 4.8 mm ID
MLB035-1



for 6.4 mm ID
MLB055-1

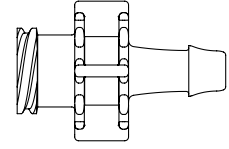


for 8.0 mm ID
MLB065-1

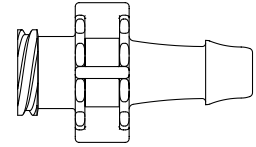


Female Large Bore Luer

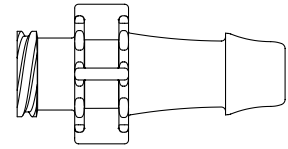
for 4.8 mm ID
FLB035-1



for 6.4 mm ID
FLB055-1

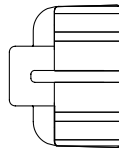


for 8.0 mm ID
FLB065-1

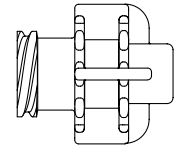


Plugs

Male plug
MLBP-1



Female plug
FLBP-1



Large Bore Luers

This series is made for applications where a large through bore is required

Note. This series does not connect to the standard Luer series.

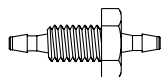
Through Bore Ø	3.7 mm	4.4 mm	4.9 mm
For tubing ID	4.8 mm	6.4 mm	8.0 mm

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

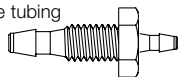
Panel mount fittings

Panel mount \varnothing 5 mm (10-32 UNF thread)

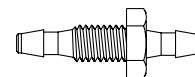
Connector for 1.6 mm ID flexible tubing
PMK210-6



Reduction connector for 2.4 to 1.6 mm ID flexible tubing
PMK220/210-6



Connector for 2.4 mm ID flexible tubing
PMK220-6

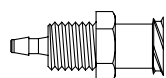


Lock nut, stainless steel, Hex 3/8" (10 mm)
PMKN-X0

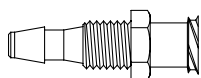


Panel mount \varnothing 6.5 mm (1/4-28 UNF thread)

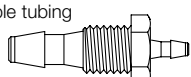
Female Luer to 1.6 mm ID flexible tubing
FTLLB210-6



Female Luer to 3.2 mm ID flexible tubing
FTLLB230-6



Reduction connector for 3.2 to 1.6 mm ID flexible tubing
PMS230/210-6



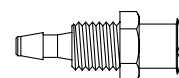
Lock nut
LNS-1



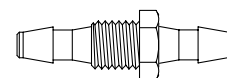
Colour coded ring
CCR-1



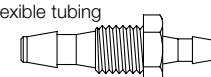
Female Luer to 2.4 mm ID flexible tubing
FTLLB220-6



Connector for 3.2 mm ID flexible tubing
PMS230-6



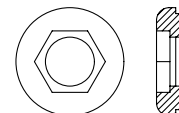
Reduction connector for 3.2 to 1.6 mm ID flexible tubing
PMS230/220-6



Lock nut, stainless steel, Hex 7/16" (11 mm)
PMSN-X0



Colour coded lock ring
CCLR-1



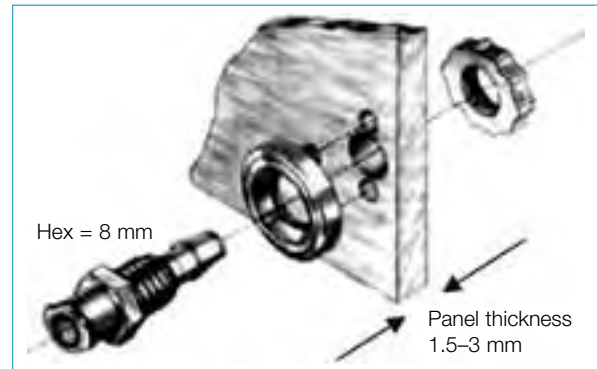
See Panel Mount instruction on the following page.

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Panel Mount Instruction

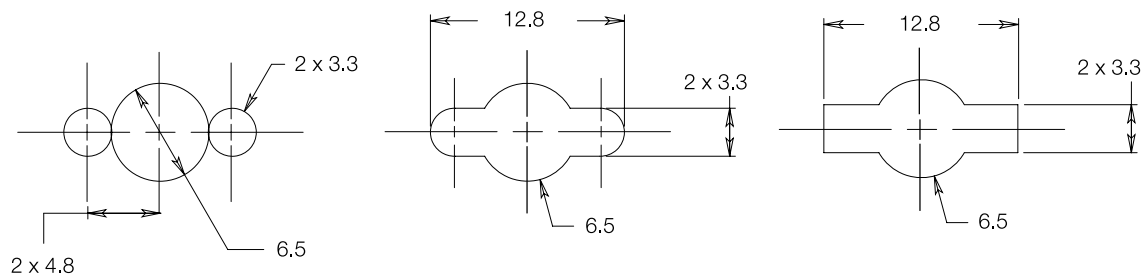
Non-Threaded Panel Openings

Use any one of the three panel patterns shown below with a CCLR lock ring and LNS lock nut. For PMK-series the center hole diameter may be reduced to $\varnothing 5$ mm. Together, the panel opening and CCLR prevent the bulkhead fitting from rotating. Tighten LNS snug plus 1/4 turn only.



Panel mount luer shown with CCLR color coding ring, and LNS lock nut.

Panel Patterns



Dimensions in mm (for inch, multiply by 0.0394). Illustration in scale 2:1.

Threaded Panel Openings

Tap the panel with 1/4-28 UNF or 10-32 UNF thread and use a CCR color coded ring. In this case, the fitting tightened into the panel prevents fitting rotation. Use an LNS lock nut for additional security; tighten snug plus 1/4 turn only.

Product codes are for standard material, see the technical section. For additional materials, please see our price list.

Threads



M5 x 0.8



M6 x 1



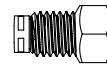
10-32 UNF



10-32 Tapered

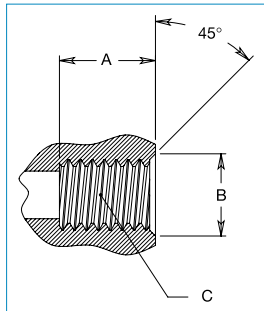


1/4"-28 UNF



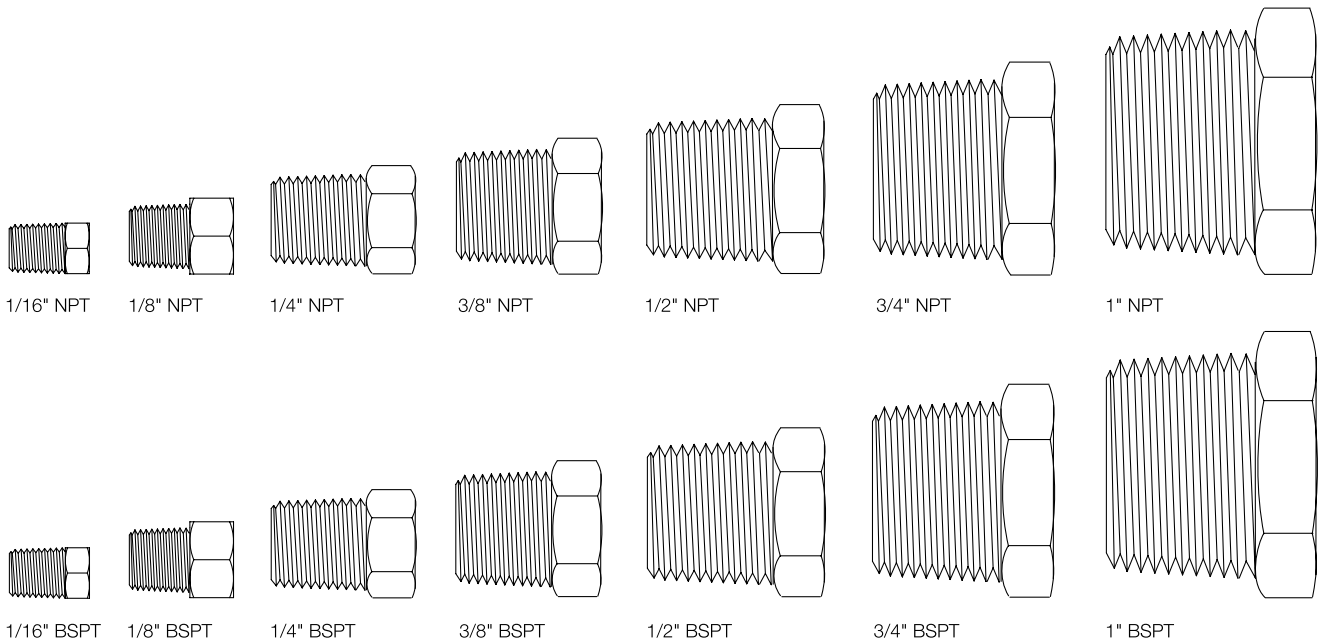
1/4"-28 UNF Bottom Sealed
(rotating thread)

Port Design for secure and leak-free connection



Fitting thread series	Dim. A Minimum full thread length	Dim. B Countersink diameter	C Internal screw thread
10-32 Taper	6.4 mm	5.3–5.8 mm	10-32 UNF 2B
10-32	5.1 mm	5.3–5.8 mm	10-32 UNF 2B
1/4-28 UNF	6.4 mm	6.8–7.3 mm	1/4-28 UNF 2B
M5 x 0.8	6.4 mm ¹	5.3–5.8 mm	M5 x 0.8
M6 x 1.0	9.6 mm ¹	6.8–7.3 mm	M6 x 1.0

¹ This depth provides clearance needed to provide chamfer seal.



Thread	M5	M6	10-32 UNF	10-32 Special Tapered	1/4"-28 UNF	1/16" NPT	1/8" NPT	1/8" BSPT	1/4" NPT
/ inch			32	32	28	27	27	28	18
Hex [mm]	6.5	8	6.5	6.5	8	8	11–12	11–12	15
							R 1/8"		

Thread	1/4" BSPT	3/8" NPT	3/8" BSPT	1/2" NPT	1/2" BSPT	3/4" NPT	3/4" BSPT	1"	1" BSPT
/ inch	19	18	19	14	14	14	14	11.5	11
Hex [mm]	15	18	18	23	23	29	29	35	35
	R 1/4"		R 3/8"		R 1/2"		R 3/4"		R 1"

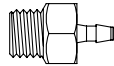
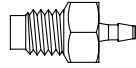
All illustrations in scale 1:1.

Threaded connectors

Thread to flexible tubing

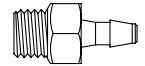
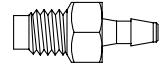
Straight connectors, thread to 1.6 mm ID

M5
M5210-6
M6
M6210-6
10-32 UNF
K210-6
10-32 tapered
X210-6
1/4"-28 UNF
S210-6
1/4"-28 UNF Bottom Sealed
ABR004-6-1
1/16"-27 NPT
16210-6
1/8"-27 NPT
18210-6



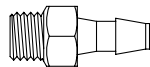
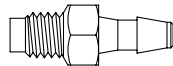
Straight connectors, thread to 2.4 mm ID

M5
M5220-6
M6
M6220-6
10-32 UNF
K220-6
10-32 tapered
X220-6
1/4"-28 UNF
S220-6
1/4"-28 UNF Bottom Sealed
ABR007-6-1
1/16"-27 NPT
16220-6
1/8"-27 NPT
18220-6



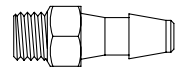
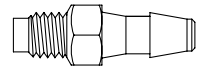
Straight connectors, thread to 3.2 mm ID

M5
M5230-6
M6
M6230-6
10-32 UNF
K230-6
10-32 tapered
X230-6
1/4"-28 UNF
S230-6
1/4"-28 UNF Bottom Sealed
ABR013-6-1
1/16"-27 NPT
16230-6
1/8"-27 NPT
18230-6
1/8" BSPT
A2B-2WP
1/4" BSPT
A4B-2WP



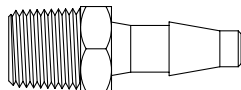
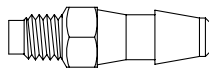
Straight connectors, thread to 4 mm ID

M5
M5240-6
M6
M6240-6
10-32 UNF
K240-6
10-32 tapered
X240-6
1/4"-28 UNF
S240-6
1/16"-27 NPT
16240-6
1/8"-27 NPT
18240-6
1/8" BSPT
A2B-2.5WP
1/4" BSPT
A4B-2.5WP



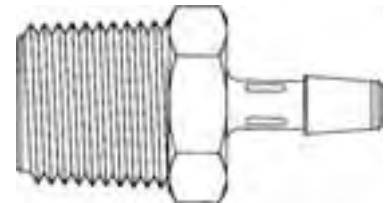
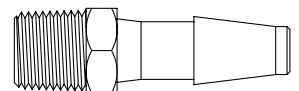
Straight connectors, thread to 4.8 mm ID

M6
M6250-6
1/4"-28 UNF
S250-6
1/16"-27 NPT
16250-6
1/8"-27 NPT
1850-6
1/4"-18 NPT
A4-3WP
1/4" BSPT
A4B-3WP



Straight connectors, thread to 6.4 mm ID

M1/4"-28 UNF
A4-4WP
1/8"-27 NPT
1860-6
3/8"-18 NPT
A6-4WP
1/2"-14 NPT
A8-4WP
3/4"-14 NPT
A12-4WP
1/8" BSPT
A2B-4WP
1/4" BSPT
A4B-4WP
3/8" BSPT
A6B-4WP



Continued

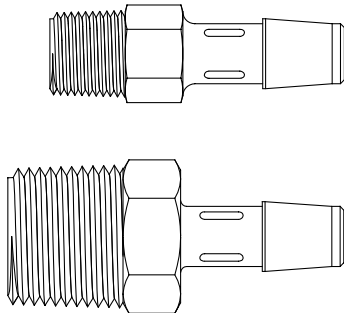
Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Threaded connectors (continued)

Thread to flexible tubing

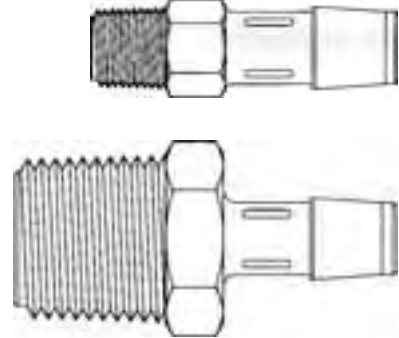
Straight connectors, thread to 8 mm ID

1/4"-28 UNF
A4-5WP
1/8"-27 NPT
A2-5WP
3/8"-18 NPT
A6-5WP
1/4" BSPT
A4B-5WP
3/8" BSPT
A6B-5WP



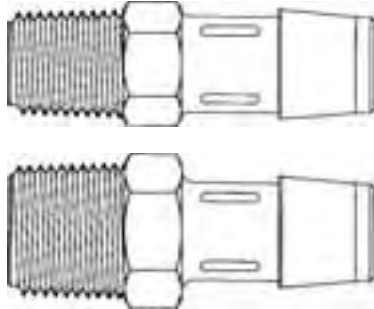
Straight connectors, thread to 9.6 mm ID

1/4"-28 UNF
A4-6WP
1/8"-27 NPT
A2-6WP
3/8"-18 NPT
A6-6WP
1/2"-14 NPT
A8-6WP
3/4"-14 NPT
A12-6WP
1/8" BSPT
A2B-6WP
1/4" BSPT
A4B-6WP
3/8" BSPT
A6B-6WP



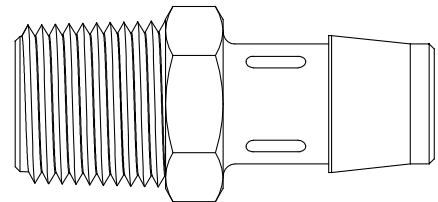
Straight connectors, thread to 12.7 mm ID

1/4"-28 UNF
A4-8WP
3/8"-18 NPT
A6-8WP
1/2"-14 NPT
A8-8WP
3/4"-14 NPT
A12-8WP
1/4" BSPT
A4B-8WP
3/8" BSPT
A6B-8WP



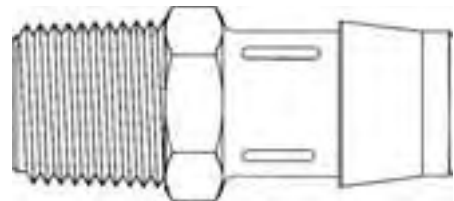
Straight connectors, thread to 16 mm ID

1/2"-14 NPT
A8-10WP
3/4"-14 NPT
A12-10WP



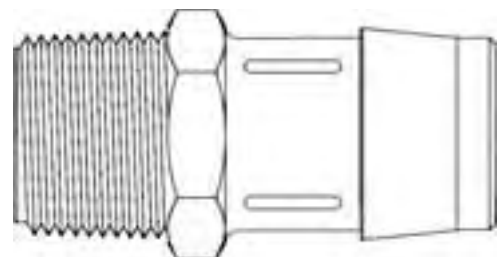
Straight connectors, thread to 19 mm ID

1/2"-14 NPT
A8-12WP
3/4"-14 NPT
A12-12WP



Straight connectors, thread to 25.4 mm ID

3/4"-14 NPT
A12-16WP
1"-11 1/2 NPT
A16-16WP



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Continued

Threaded connectors (continued)

Thread to flexible tubing

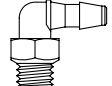
Elbow, thread to 1.6 mm ID

10-32 UNF
KL210-6
10-32 tapered
XL210-6



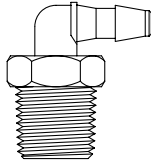
Elbow, thread to 2.4 mm ID

10-32 UNF
KL220-6
10-32 tapered
XL220-6



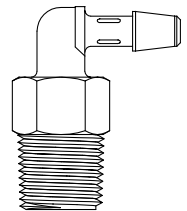
Elbow, thread to 3.2 mm ID

10-32 UNF 1/4"-18 NPT
KL230-6 **L4-2WP**
10-32 tapered 1/8" BSPT
XL230-6 **L2B-2WP**
1/8"-27 NPT 1/4" BSPT
18L230-6 **L4B-2WP**



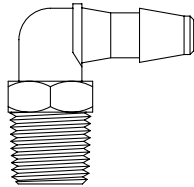
Elbow, thread to 4 mm ID

1/8"-27 NPT
L2-2.5WP
1/4"-18 NPT
L4-2.5WP
1/8" BSPT
L2B-2.5WP
1/4" BSPT
L4B-2.5WP



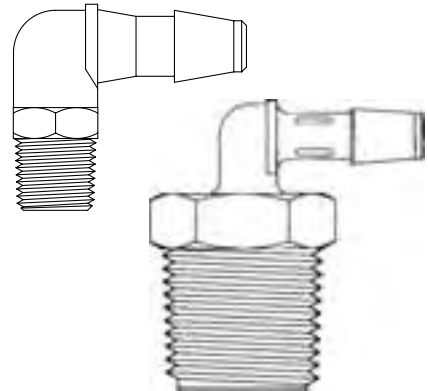
Elbow, thread to 4.8 mm ID

1/8"-27 NPT
18L250-6
1/4"-18 NPT
L4-3WP
1/4" BSPT
L4B-3WP



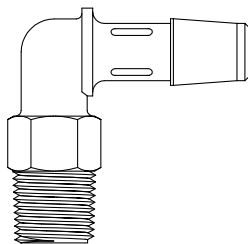
Elbow, thread to 6.4 mm ID

1/8"-27 NPT
18L260-6
1/4"-18 NPT
L4-4WP
1/2"-14 NPT
L8-4WP
3/4"-14 NPT
L12-4WP
1/8" BSPT
L2B-4WP
1/4" BSPT
L4B-4WP
3/8" BSPT
L6B-4WP



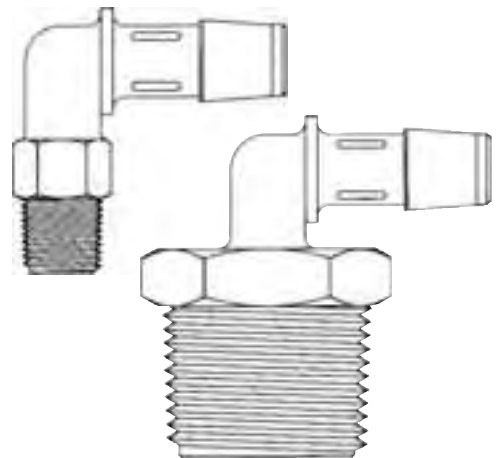
Elbow, thread to 8 mm ID

1/8"-27 NPT
L2-5WP
1/4"-18 NPT
L4-5WP
3/8"-18 NPT
L6-5WP
1/8" BSPT
L2B-5WP
1/4" BSPT
L4B-5WP
3/8" BSPT
L6B-5WP



Elbow, thread to 9.6 mm ID

1/8"-27 NPT
L2-6WP
1/4"-18 NPT
L4-6WP
3/8"-18 NPT
L6-6WP
1/2"-14 NPT
L8-6WP
3/4"-14 NPT
L12-6WP
1/8" BSPT
L2B-6WP
1/4" BSPT
L4B-6WP
3/8" BSPT
L6B-6WP



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Threaded connectors (continued)

Thread to flexible tubing

Elbow, thread to 12.7 mm ID

1/4"-18 NPT

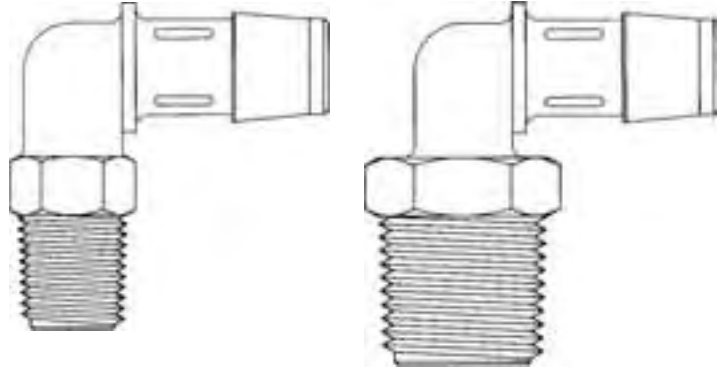
L4-8WP

3/8"-18 NPT

L6-8WP

1/2"-14 NPT

L8-8WP



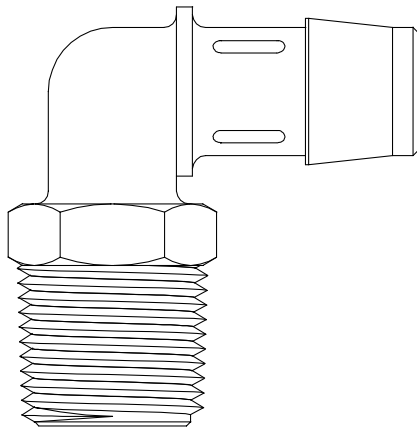
Elbow, thread to 16 mm ID

1/2"-14 NPT

L8-10WP

3/4"-14 NPT

L12-10WP



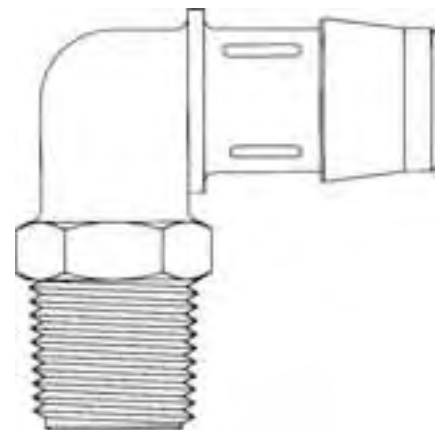
Elbow, thread to 19 mm ID

1/2"-14 NPT

L8-12WP

3/4"-14 NPT

L12-12WP



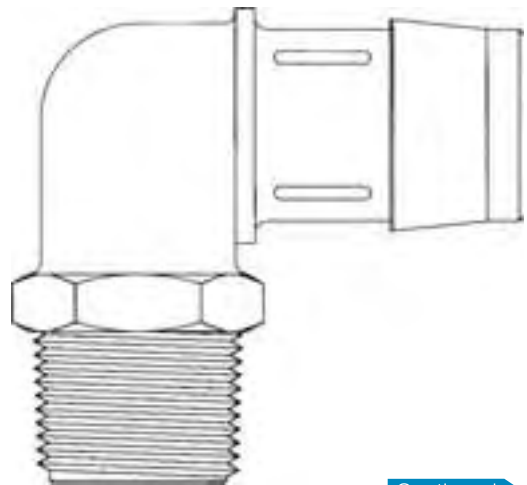
Elbow, thread to 25.4 mm ID

3/4"-14 NPT

L12-16WP

1"-11 1/2" NPT

L16-16WP



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Threaded connectors (continued)

Thread to flexible tubing

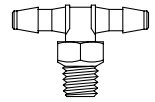
T-connector, thread to 1.6 mm ID

10-32 UNF
T1032-1NP
 10-32 tapered
XT210-6



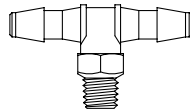
T-connector, thread to 2.4 mm ID

10-32 UNF
T1032-1.5NP
 10-32 tapered
XT220-1



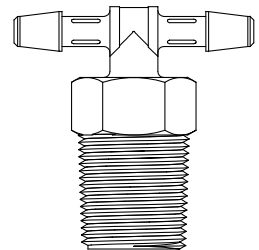
T-connector, thread to 3.2 mm ID

10-32 UNF
T1032-2NP
 10-32 tapered
XT230-6



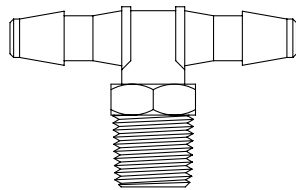
T-connector, thread to 4 mm ID

1/8"-27 NPT
T2-2.5WP
 1/4"-18 NPT
T4-2.5WP
 1/8" BSPT
T2B-2.5WP
 1/4" BSPT
T4B-2.5WP



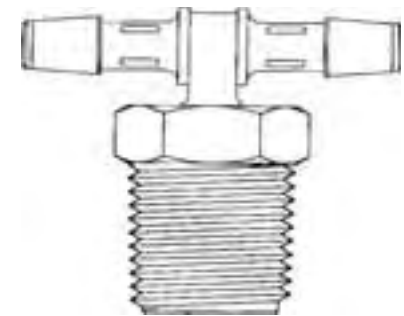
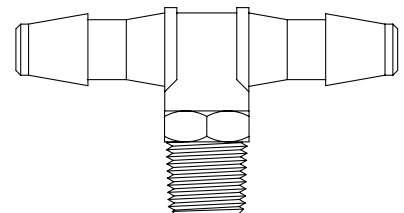
T-connector, thread to 4.8 mm ID

1/4"-28 UNF
T4-3WP
 1/8"-27 NPT
18T250-6
 1/4" BSPT
T4B-3WP



T-connector, thread to 6.4 mm ID

1/8"-27 NPT
18T260-6
 1/4"-18 NPT
T4-4WP
 3/8"-18 NPT
T6-4WP
 1/2"-14 NPT
T8-4WP
 3/4"-14 NPT
T12-4WP
 1/8" BSPT
T2B-4WP
 1/4" BSPT
T4B-4WP
 3/4" BSPT
T6B-4WP



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
 All illustrations in scale 1:1.

Threaded connectors (continued)

Thread to flexible tubing

T-connector, thread to 8 mm ID

1/4"-18 NPT

T4-5WP

3/8"-18 NPT

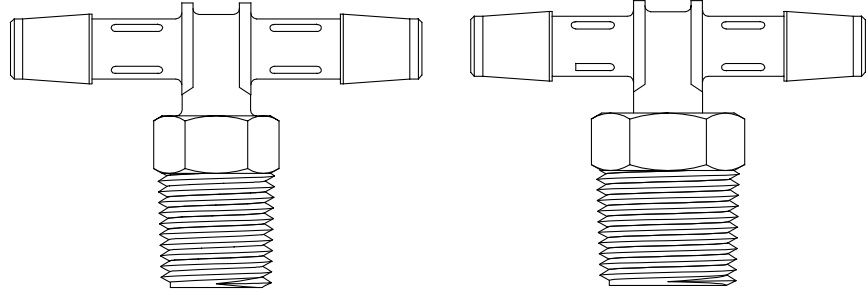
T6-5WP

1/4" BSPT

T4B-5WP

3/8" BSPT

T6B-5WP



T-connector, thread to 9.6 mm ID

1/8"-27 NPT

T2-6WP

1/4"-18 NPT

T4-6WP

3/8"-18 NPT

T6-6WP

1/2"-14 NPT

T8-6WP

3/4"-14 NPT

T12-6WP

1/8" BSPT

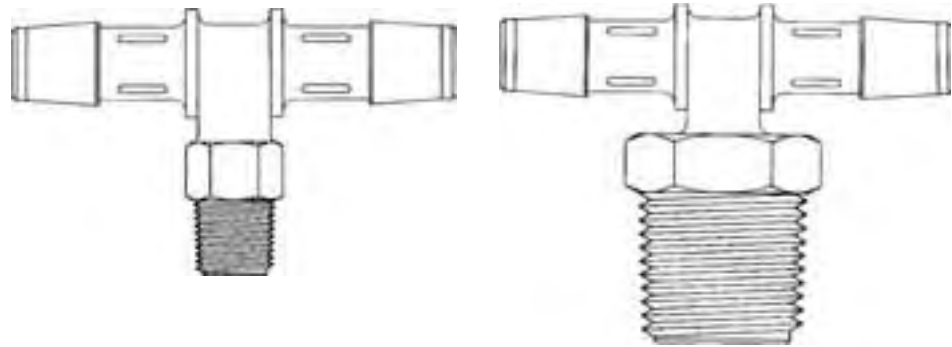
T2B-6WP

1/4" BSPT

T4B-6WP

3/8" BSPT

T6B-6WP



T-connector, thread to 12.7 mm ID

1/4"-18 NPT

T4-8WP

3/8"-18 NPT

T6-8WP

1/2"-14 NPT

T8-8WP

3/4"-14 NPT

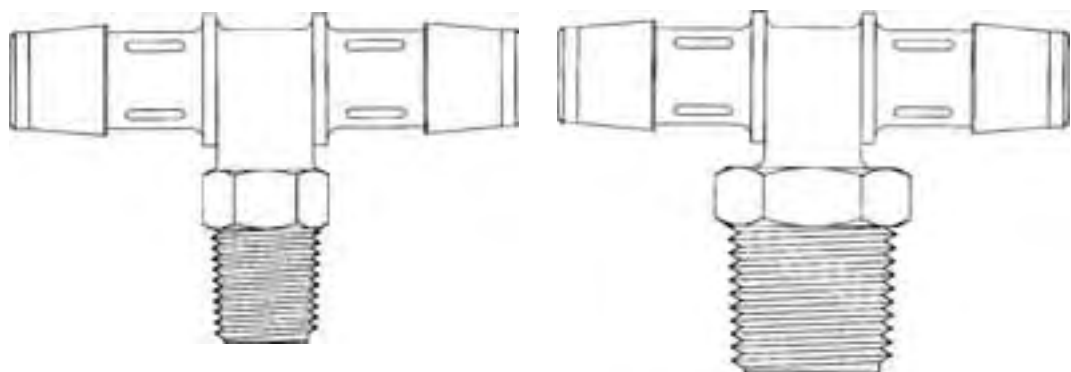
T12-8WP

1/4" BSPT

T4B-8WP

3/8" BSPT

T6B-8WP



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

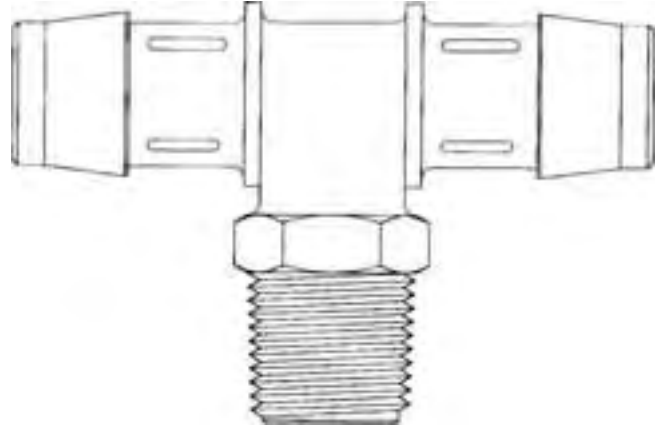
WATSON-MARLOW ALITEA www.alitea.se • info@alitea.se • ☎ +46 (0)8 556 556 00 • 📞 +46 (0)8 556 556 25

Threaded connectors (continued)

Thread to flexible tubing

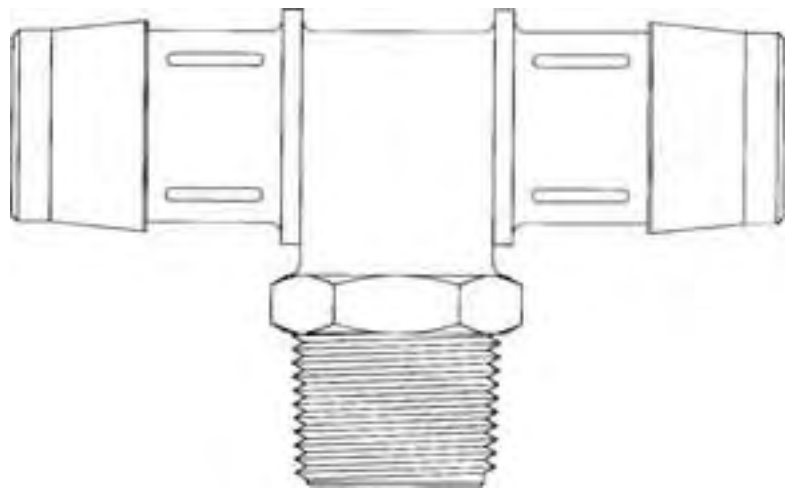
T-connector, thread to 19.2 mm ID

1/4"-18 NPT
T8-12WP
 3/4"-14 NPT
T12-12WP



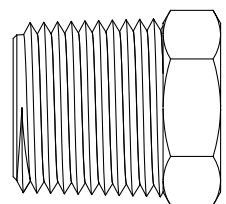
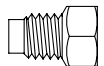
T-connector, thread to 25.4 mm ID

3/4"-14 NPT
T12-16WP
 1"-11 1/2" NPT
T16-16WP



Threaded Plugs

M6 M6P-6	1/8"-27 NPT 1800-6	1"-11 1/2" NPT P16WP
10-32 UNF KP-6	1/4"-18 NPT P4WP	1/4" BSPT P4BWP
10-32 tapered XP-6	3/8"-18 NPT P6WP	3/8" BSPT P6BWP
1/4"-28 UNF SP-6	1/2"-14 NPT P8WP	
1/16"-27 NPT 1600-1	3/4"-14 NPT P12WP	

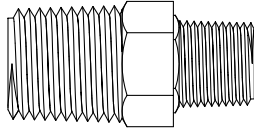


Product codes are for standard material, see the technical section. For additional materials, please see our price list.
 All illustrations in scale 1:1.

Threaded Reductions

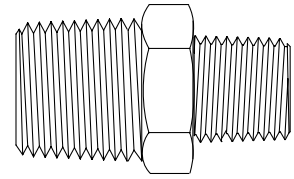
Reduction, male 1/8"-27 NPT to male

1/4"-18 NPT
RN4-2WP
 3/8"-18 NPT
RN6-2WP
 1/2"-14 NPT
RN8-2WP



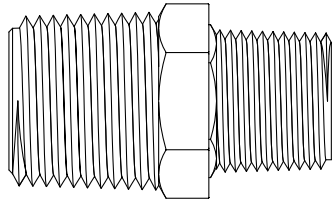
Reduction, male 1/4"-18 NPT to male

3/8"-18 NPT
RN6-4WP
 1/2"-14 NPT
RN8-4WP



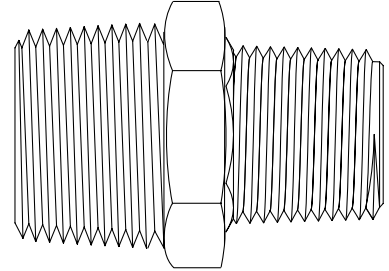
Reduction, male 3/8"-27 NPT to male

1/2"-14 NPT
RN8-6WP



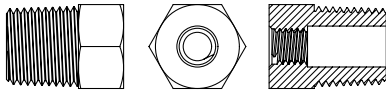
Reduction, male 3/4"-14 NPT to male

1"-11 1/2 NPT
RN16-12WP



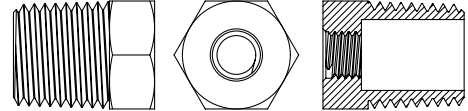
Reduction, female 10-32 UNF to male

1/8"-27 NPT
1801-6
 1/4"-18 NPT
1401-6



Reduction, female 1/4"-28 UNF to male

1/8"-27 NPT
1802-6
 1/4"-18 NPT
1402-6



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
 All illustrations in scale 1:1.

Tube to tube connectors

For semi-rigid tubing

Straight connectors, equal legs

for 1.6 mm ID
N410-6



for 2.4 mm ID
N420-6



for 3.2 mm ID
N430-6



for 4.0 mm ID
N440-6



Straight reductions

2.4 mm ID to 1.6 mm ID
N420/410-6



3.2 mm ID to 1.6 mm ID
N430/410-6



3.2 mm ID to 2.4 mm ID
N430/420-6

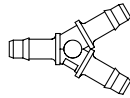


Y-connectors, equal legs

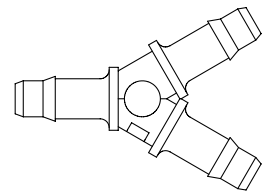
for 1.6 mm ID
Y410-6



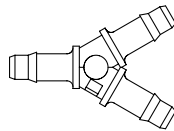
for 2.4 mm ID
Y420-6



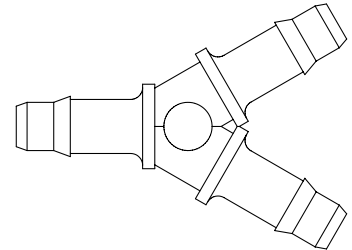
for 4.8 mm ID
Y450-6



for 3.2 mm ID
Y430-6



for 6.4 mm ID
Y460-6



Elbow connectors, equal legs

for 1.6 mm ID
L410-6



for 2.4 mm ID
L420-6

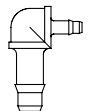


Elbow reductions

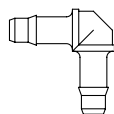
2.4 mm ID to 1.6 mm ID
L420/410-6



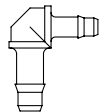
3.2 mm ID to 1.6 mm ID
L430/410-6



for 3.2 mm ID
L430-6



3.2 mm ID to 2.4 mm ID
L430/420-6



Continued

Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Tube to tube connectors (continued)

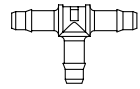
For semi-rigid tubing

T-connectors, equal legs

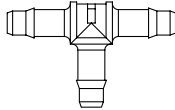
for 1.6 mm ID
T410-6



for 2.4 mm ID
T420-6

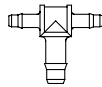


for 3.2 mm ID
T430-6

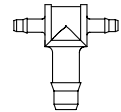


T-connectors, reductions

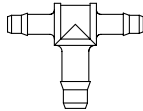
One 2.4 mm ID to two 1.6 mm ID legs
T410/420-6



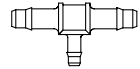
One 3.2 mm ID to two 1.6 mm ID legs
T410/430-6



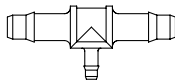
One 3.2 mm ID to two 2.4 mm ID legs
T420/430-6



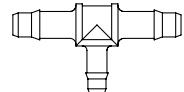
One 1.6 mm ID to two 2.4 mm ID legs
T420/410-6



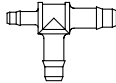
One 1.6 mm ID to two 3.2 mm ID legs
T430/410-6



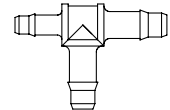
One 2.4 mm ID to two 3.2 mm ID legs
T430/420-6



2.4 mm ID elbow with 1.6 mm ID outlet
T420R410-6



3.6 mm ID elbow with 2.4 mm ID outlet
T430R420-6

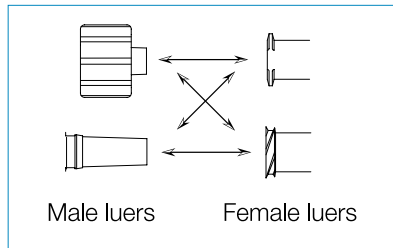


Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Luer Taper Standards

All luers are made to ANSI/HIMA and ISO Standards MD70-1-1983, ISO 594-1-2 and may be connected to other luers which meet these standards. Please test your application to verify performance of your interconnection.

**All Male Luers
connect to all Females**

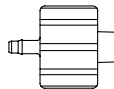


Luer connectors

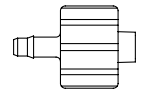
For semi-rigid tubing

Male Luer, integral fixed lock ring

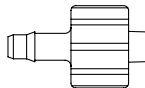
for 1.6 mm ID
MTLL410-6



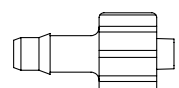
for 2.4 mm ID
MTLL420-6



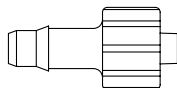
for 3.2 mm ID
MTLL430-6



for 4.3 mm ID
MTLL445-6

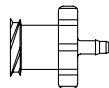


for 4.8 mm ID
MTLL450-6

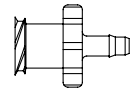


Female Luer

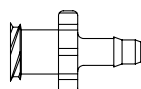
for 1.6 mm ID
FTLL410-6



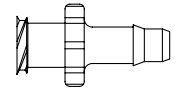
for 2.4 mm ID
FTLL420-6



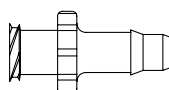
for 3.2 mm ID
FTLL430-6



for 4.3 mm ID
FTLL445-6



for 4.8 mm ID
FTLL450-6



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Threaded connectors


Thread to semi-rigid tubing

Straight connector, thread to 1.6 mm ID

M6
M6410-6

10-32 UNF
K410-6

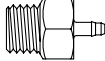
10-32 tapered
X410-2



1/4"-28 UNF
S410-6

1/16"-27 NPT
16410-6

1/8"-27 NPT
18410-6



Straight connector, thread to 2.4 mm ID

M6
M6420-6

10-32 UNF
K420-6

10-32 tapered
X420-6



1/4"-28 UNF
S420-6

1/16"-27 NPT
16420-6

1/8"-27 NPT
18420-2

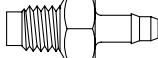


Straight connector, thread to 3.2 mm ID

M6
M6430-6

10-32 UNF
K430-6

10-32 tapered
X430-6



1/4"-28 UNF
S430-6

1/16"-27 NPT
16430-6

1/8"-27 NPT
18430-J1A




Straight connector, thread to 4.3 mm ID

M6
M6445-2

10-32 UNF
K445-2

10-32 tapered
X445-J1A



1/4"-28 UNF
S445-6

1/16"-27 NPT
16445-6

1/8"-27 NPT
18445-6



Straight connector, thread to 4.8 mm ID

M6
M6450-6



1/16"-27 NPT
16450-6



Elbow, thread to 1.6 mm ID

10-32 tapered
XL410-J1A



Elbow, thread to 2.4 mm ID

10-32 UNF
KL420-6

10-32 tapered
XL420-6



Elbow, thread to 3.2 mm ID

10-32 UNF
KL430-6

10-32 tapered
XL430-6



T-connector, thread to 1.6 mm ID

10-32 UNF
KT410-J1A

10-32 tapered
XT410-J1A



T-connector, thread to 2.4 mm ID

10-32 UNF
KT420-J1A

10-32 tapered
XT420-J1A



T-connector, thread to 3.2 mm ID

10-32 UNF
KT430-J1A

10-32 tapered
XT430-2



Product codes are for standard material, see the technical section. For additional materials, please see our price list.
All illustrations in scale 1:1.

Barb design

Each barb is designed to combine minimum flow restriction, pressure capability, hold and ease of assembly for a given range of tube sizes and tube materials. Together with the recommendations below the fitting range of this catalogue provides solutions to most applications.

However, if your requirements can not be met with the range in this catalogue it is likely that we can offer a similar fitting with an alternative barb design.

Pressure Capability

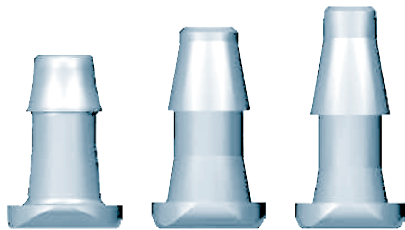
The single-barb design enables the tubing to relax behind the barb creating a perfect seal with minimal risk for leakage. The tube is extended over the barb – higher extension is required for more flexible tubing and for handling higher pressure. For the smaller tube bore fittings an over size fitting can be considered to improve the pressure capability. For larger tube bores a clamp can be necessary, see picture below.

Hold

For example in a peristaltic pump or whenever tension is applied to the tube it has to be prevented from slipping of the fitting. For the smaller tube bore fittings an over size fitting can be considered. For larger tube bores a clamp can be necessary, see picture below.

Ease of Assembly

Standard barbs for semi rigid tubing expand the tubing 25% above its nominal inner diameter and barbs for flexible tubing expand 40-60%. Barb for semi-rigid tubing can be used also for flexible tubing when tensile/pressure properties are not highly critical but ease of assembly is.



Barb styles for Flexible tubing



...and for Semi-Rigid

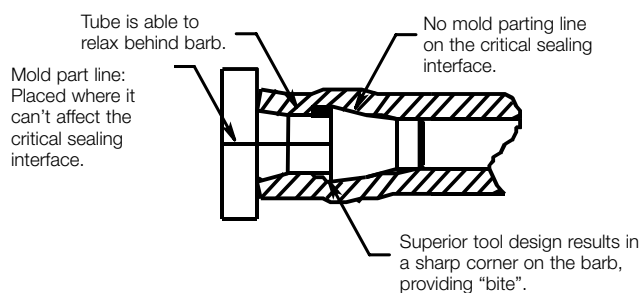
Proper clamp placement for barbed fittings

Anti-Rotation device (not on all fittings)

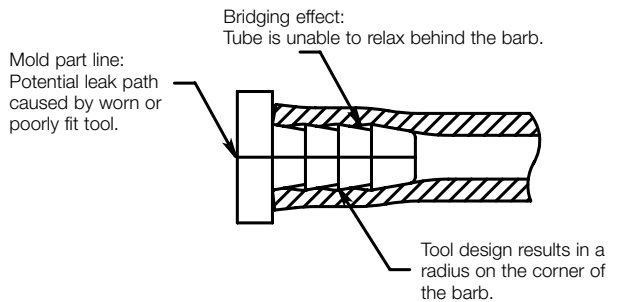
Never place a clamp over the large diameter of the barb. Clamps work best when tightened into the recess behind the barb. For best results place the clamp behind the barb and over the anti-rotation devices.

Benefits with single barb design

Single-barb



Multi-barb



Fitting materials

Guideline information about chemical compatibility and sterilization resistance for common resins.

Kynar®, Poly Vinylidene Fluoride or PVDF, is physically strong, damage resistant, and resistant to multiple radiation or autoclave sterilization cycles. In spite of its initially higher cost in comparison with many other materials, its durability and long-term use potential under harsh conditions makes it cost-effective.

Nylon, Poly Amide, PA, combines strength, moderate stiffness, high service temperature, and toughness. Nylon resist fuels, lubricants and many chemicals, but are attacked by phenols, strong acids and oxidizing agents. Acceptable sterilization methods include Ethylene Oxide or Autoclave, see sterilization chart for details. Nylon is available in different colours.

Polypropylene, PP, is highly resistant to solvents and chemicals. It has outstanding resistance to water and other inorganic environments. It resists most strong mineral acids and bases, but, like other polyolefins, it is subject to attack by oxidizing agents. Polypropylene has excellent resistance to environmental stress-cracking. Acceptable sterilization methods include Gamma Radiation and Ethylene Oxide, see sterilization chart for details.

PEEK®, Poly Ether Ether Ketone, has exceptionally high strength properties combined with good toughness over a wide range of temperatures. Insoluble in most common solvents and being semi-crystalline has excellent resistance to a very wide range of organic and inorganic liquids, even at elevated temperatures. Peek has excellent sterilization stability.

Polycarbonate, PC, is a clear and colourless resin. Outstanding properties include impact strength and scratch resistance. Polycarbonate resists weak acids, animal and vegetable oils and greases but is attacked by oxidizing agents and hot water. Acceptable sterilization methods are gamma radiation and ethylene oxide

ABS, Acrylonitrile Butadiene Styrene, has good mechanical properties even at low temperatures. ABS is chemically resistant to many acids and bases. Acceptable sterilization methods are gamma radiation and ethylene oxide, see sterilization chart for details.

Sterilization

	GAMMA RADIATION	ETHYLENE OXIDE	AUTOClave
Kynar®	Highly compatible, but will discolor to brownish hue. Physical Properties typically improve.	Excellent	Excellent
Polycarbonate	Compatible to 10 M-Rad dose with little loss of physical properties. Will discolor to light yellow-green hue.	Highly compatible with 100% EtO; may stress crack if sterilized in EtO/ CFC mix, due to molding stresses.	Not recommended. May craze or stress crack due to molding stresses.
Radiation Stable Polycarbonate	Excellent up to 10 M-Rad dose with little loss of physical properties. Light violet hue turns clear upon sterilization.	Highly compatible. Withstands normal EtO sterilization conditions, but multiple exposures can reduce tensile elongation properties.	Not recommended.
Polypropylene	Excellent up to commonly used sterilization doses (approximately 6 M-Rad).	Fair; may stress crack in EtO/ CFC mix due to molding stresses.	Poor. Parts may distort due to low heat deflection temperature.
Nylon and Glass Filled Nylon	Physically compatible with commonly used sterilization doses, but may discolor to brownish hue.	Very Good. Some susceptibility to oxidizing agents.	Very Good. Components may swell slightly due to water absorption.
ABS	Compatible to 10 M-Rad dose with some loss of impact strength, but increased tensile strength. Some discoloration to slight brownish hue.	Excellent retention of properties for at least 5 sterilization cycles.	Poor. Parts may distort due to low heat deflection temperature.
PEEK®	Excellent	Excellent	Excellent

The data presented in this section is for reference only. It was compiled primarily by the resin manufacturers to provide our customers with a means of comparing the characteristics of resins used at the time of publication. The particular conditions of your use and application of our products are beyond our control. Thus, it is imperative that you test our products in your specific application to determine their suitability. All information is provided without implied or expressed warranty or guarantee by W-M Alitea AB, or the resin manufacturers. None of the information provided constitutes a recommendation or endorsement of any kind by W-M Alitea AB. In critical applications please contact W-M Alitea for more information and product certifications. Note, all fittings are not available in all materials.

Continued

Fitting materials (continued)

Mechanical Properties

	E-Modulus, GPa	Elongation at break, %	Tensile yield strength, MPa	Izod Impact Notched, J/m	Water absorption, %, 24h	Density, kg/dm ³
Test Method	DIN 53 457	DIN 53 452	DIN 53 455	ASTM D256	ASTM D510	
ABS	2.1	25	45	85	0.4	1.05
Kynar®	0.8		40	166	0.015	1.76
Nylon	2	200	80	53	1.2	1.14
Polycarbonate	2.3	100	70	> 800	0.15	1.2
Polypropylene	1.5	500	37	69	0	0.9
PEEK®	4	20	115	53	0.25	1.31

Kynar® is a registered trademark of Atochem North America, Inc.
PEEK® is a registered trademark of Victrex plc.

Regulatory Status of available base resins

The last 1–4 characters of the product code tell the specific resin of the fitting.

Description	Product code ending with:	Regulatory status of base resin
ABS, White	8012	21 CFR 181.32 (a) (3) (1) Food Contact
Kynar (PVDF), Natural	J1A	USP Classification VI, 21 CFR 177.2510 Food Contact
Kynar (PVDF), Natural	NK	USP Classification VI, NSF Standards 51 & 61, FDA
Nylon, Black	2	
Nylon, Black	BN	
Nylon, Blue	5	
Nylon, Green	4	
Nylon, Natural	NN	NSF Standards 51 & 61, FDA
Nylon, Natural	0	
Nylon, Orange	6	
Nylon, Red	3	
Nylon, White	1	
Nylon, White	WN	
Nylon, Yellow	7	
PEEK, Natural	H1A	
Polycarbonate	9	USP Classification VI
Polycarbonate, Rad. Stable	9002	USP Classification VI
Polyethylene, High Density	HDPE	NSF Standards 51 & 61, FDA 21 CFR177.1520
Polypropylene, Black	62	
Polypropylene, Natural	6	USP Classification VI
Polypropylene, Natural	NP	USP Classification VI, FDA
Polypropylene, White	WP	
Polysulfone, Medical Grade	F1A	USP Classification VI, 21 CFR 177.1655 Food Contact
Stainless Steel	X0	

Product Certification

To maintain traceability and product quality, products that leave our facility and are returned are never restocked or resold. For classified products, Product Certification documents are provided upon request, free of charge. The Product Certification document references all relevant purchase order, customer order and material lot information.

Continued 

Chemical compatibility chart

Price index*			0.9	2	0.9	1.1	1	20
Chemical	Concent.	Temp °C	ABS	Kynar®	Nylon	Polycarb.	Polyprop.	PEEK®
Acetic Acid	5%	23 °C	Excellent	Excellent	Satisfactory	Satisfactory	Excellent	Excellent
Acetone	100%	50 °C	Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent	Excellent
Acetophenone	100%	24 °C	Satisfactory	Unsatisfactory	Excellent		Satisfactory	
Acetylene	100%	24 °C		Excellent	Excellent			Excellent
Air	100%	82 °C	Excellent	Excellent	Excellent			Excellent
Ammonia, Liquid	100%	24 °C	Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent	Excellent
Ammonium Hydroxide	10%	23 °C	Satisfactory	Excellent	Excellent	Unsatisfactory	Excellent	Excellent
Ammonium Hydroxide	10%	70 °C	Unsatisfactory	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Excellent
Barium Sulfide	100%	24 °C	Excellent	Excellent	Satisfactory		Excellent	
Benzene	100%	23 °C	Satisfactory	Excellent	Excellent	Unsatisfactory	Satisfactory	Excellent
Bleach	100%	23 °C	Satisfactory	Excellent	Satisfactory	Unsatisfactory	Satisfactory	Excellent
Boric Acid	7%	35 °C	Excellent	Excellent	Unsatisfactory	Excellent	Excellent	Excellent
Calcium Carbonate	Sat. sol.	24 °C	Excellent	Excellent			Excellent	Excellent
Carbon Dioxide	100%	50 °C	Satisfactory	Excellent	Excellent		Excellent	Excellent
Carbon Monoxide	100%	50 °C	Satisfactory	Excellent	Excellent		Excellent	Excellent
Carbon Tetrachloride	100%	50 °C	Unsatisfactory	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Excellent
Chlorine Water	Dilute	23 °C	Unsatisfactory	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
Chlorine Water	Concent.	23 °C	Unsatisfactory	Excellent	Unsatisfactory	Unsatisfactory	Unsatisfactory	Unsatisfactory
Chlorobenzene	100%	23 °C	Satisfactory	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Excellent
Chlorofluorocarbon 11	100%	24 °C		Excellent	Excellent	Satisfactory		Excellent
Chloroform	100%	23 °C	Unsatisfactory	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Excellent
Cyclohexanone	100%	24 °C	Satisfactory	Excellent	Excellent	Unsatisfactory	Satisfactory	Excellent
Dichlorethylene	100%	23 °C		Excellent	Satisfactory		Excellent	Excellent
Ethanol	95%	50 °C	Satisfactory	Excellent	Excellent	Satisfactory	Excellent	Excellent
Ethyl Acetate	95%	50 °C	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory	Satisfactory	Excellent
Ethylene Glycol	100%	23 °C	Excellent	Excellent	Excellent	Satisfactory	Excellent	Excellent
Ethylene Oxide	100%	24 °C	Unsatisfactory	Excellent	Satisfactory	Satisfactory	Satisfactory	Excellent
Ethylene Oxide	100%	79 °C	Unsatisfactory	Excellent	Unsatisfactory	Satisfactory	Unsatisfactory	Excellent
Fatty Acids	–			Excellent			Excellent	Excellent
Fluorine	100%	23 °C	Unsatisfactory	Excellent	Unsatisfactory			Unsatisfactory
Formaldehyde	37%	24 °C	Unsatisfactory	Excellent		Unsatisfactory	Excellent	Excellent
Gasoline	100%	85 °C	Excellent	Excellent	Excellent	Unsatisfactory	Satisfactory	Excellent
Glucose	Concent.	24 °C	Excellent	Excellent			Excellent	
Glycerin	100%	24 °C	Excellent	Excellent		Excellent	Excellent	
Hydrochloric Acid	2%	23 °C	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Hydrochloric Acid	10%	25 °C	Excellent	Excellent	Unsatisfactory	Excellent	Excellent	Excellent
Hydrofluoric Acid	10%	23 °C	Satisfactory	Excellent	Unsatisfactory		Excellent	Excellent
Hydrogen Peroxide	1%	24 °C	Excellent	Excellent	Satisfactory	Excellent	Excellent	Excellent
Hydrogen Peroxide	5%	43 °C	Satisfactory	Excellent	Unsatisfactory	Excellent	Satisfactory	Excellent
Isopropanol	100%	23 °C	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Kerosene	100%	85 °C	Satisfactory	Excellent	Excellent	Satisfactory	Satisfactory	Excellent
Methanol	100%	23 °C	Unsatisfactory	Excellent	Excellent	Satisfactory	Excellent	Excellent
Methyl Ethyl Ketone	100%	50 °C	Satisfactory	Unsatisfactory	Excellent	Unsatisfactory	Satisfactory	
Methylene Chloride	100%	23 °C	Unsatisfactory	Excellent	Satisfactory	Unsatisfactory	Excellent	Excellent
Nitric Acid	10%	23 °C	Satisfactory	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Excellent
Oxygen	100%	24 °C		Excellent	Satisfactory			Excellent
Ozone	100%	43 °C	Satisfactory	Excellent	Unsatisfactory	Unsatisfactory		Excellent
Phenol	90%	23 °C	Unsatisfactory	Excellent	Unsatisfactory		Excellent	Unsatisfactory
Phosphoric Acid	5%	98 °C	Satisfactory	Excellent	Unsatisfactory	Unsatisfactory	Excellent	Excellent
Propane	100%	23 °C	Satisfactory	Excellent	Excellent			Excellent
Sodium Bicarbonate	Concent.	24 °C	Excellent	Excellent	Excellent		Excellent	Excellent
Sodium Chloride	10%	23 °C	Excellent	Excellent	Excellent		Excellent	Excellent
Sodium Chloride	Sat. sol.	24 °C	Excellent	Excellent	Excellent		Excellent	Excellent
Sodium Hydroxide	10%	70 °C	Satisfactory	Excellent	Satisfactory		Excellent	Excellent
Steam	–	120 °C	Unsatisfactory	Excellent	Unsatisfactory	Unsatisfactory	Satisfactory	Excellent
Sulfuric Acid	30%	23 °C	Satisfactory	Excellent	Unsatisfactory	Excellent	Excellent	Satisfactory
Tetrahydrofuran	100%	23 °C	Satisfactory	Unsatisfactory	Excellent		Unsatisfactory	Excellent
Toluene	100%	50 °C	Satisfactory	Excellent	Excellent	Unsatisfactory	Unsatisfactory	Excellent
Trichloroethylene	100%	23 °C	Satisfactory	Excellent	Satisfactory	Unsatisfactory	Unsatisfactory	Excellent
Water	100%	79 °C	Excellent	Excellent	Excellent	Unsatisfactory	Excellent	Excellent

The data presented here is for reference only. It was compiled primarily by the resin manufacturers to provide our customers with a means of comparing the characteristics of resins used. The particular conditions of your use and application of our products are beyond our control. Thus, it is imperative that you test our products in your specific application to determine their suitability. All information is provided without implied or expressed warranty or guarantee by W-M Alitea AB. None of the information provided constitutes a recommendation or endorsement of any kind by W-M Alitea AB.

* Price index should only be seen as a guideline. Prices will differ for different products. Note, all fittings are not available in all materials.

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