

Fittings

Features

Pneu-Edge® fittings feature a consistently sharp, single-barb design which provides a tighter grip and seal than standard multiple barbs. These precision machined fittings ensure permanent polyurethane tubing installation without the need for clamps. Straight connectors, tees, elbows, crosses and couplings are available in a wide variety of sizes and materials to accommodate numerous fluid handling circuits.

IMI Bimba's Stainless Steel Pneu-Edge fittings are suitable for use in industries such as:

- Food & Beverage
- Medical & Dental
- Semi-Conductor
- Pharmaceutical
- Agriculture
- Chemical processing

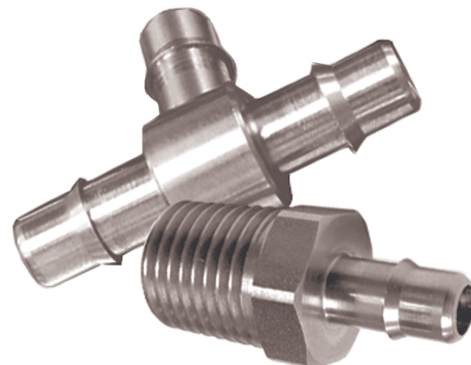


Pneu-Edge Features

- Twelve barb sizes
 - » Accommodates a variety of tubing requirements
- Ten thread sizes
 - Ranging from 10-32, 1/4-28 and 1/16 NPT to 3/8 NPT, including metric M3, M5 and M6
- Captured o-ring design
 - » Provides a superior seal ensuring a leak resistant fitting
- Smaller shank behind the barb
 - » Allows Polyurethane tubing to relax, providing a tighter grip and seal
- Smoother tubing approach angle
 - » Eases tubing installation
- Solderless joint technology
 - » Eliminates solder voids, potential leaks and heat discoloration or distortion of materials. Components are threaded together and sealed with NSF approved Loctite® sealant to eliminate pull-out potential and ensure straight barb alignment.
- Larger thru-hole
 - » Maximizes flow path

Materials

Brass/ Electroless Nickel, Buna-N O-rings



When design makes a dimension critical- contact factory for confirmation.

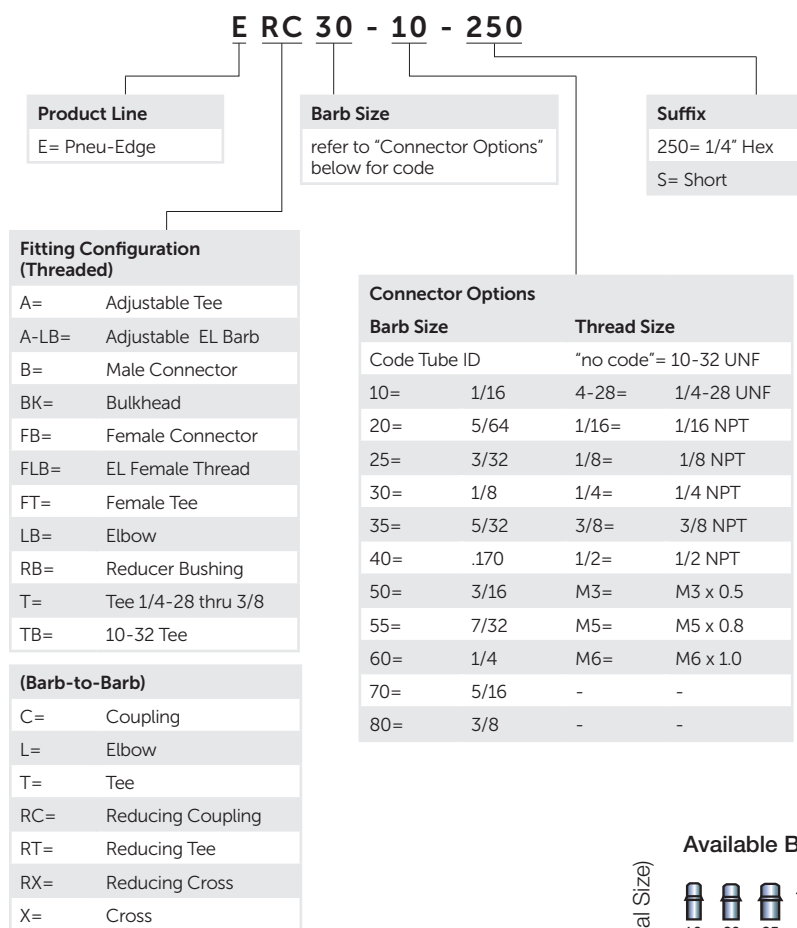
All dimensions are in inches, unless otherwise specified and are subject to change without notice.

Product Information

Pneu-Edge barbs are assigned a two digit code as defined on the Product Number Diagram (lower left). There are twelve barb sizes for use with Polyurethane tubing ranging from 1/16 ID to 1/2 ID. Ten thread sizes include metric, UNF, and NPT.

Pneu-Edge fittings ensure permanent polyurethane tubing installation without the need for clamps. However, we recommend the use of clamps in applications over 80 psi which also involve heat or vibration.

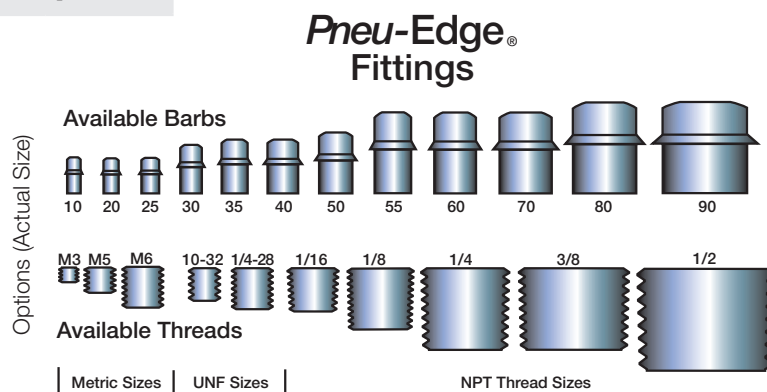
- To order standard Electroless Nickel Brass plated product use part number listing.
- For 303 Stainless Steel add a -303 suffix to the part number- lead times and minimum quantities may apply.
- Optional O-rings available- contact factory.
- Standard package quantities:
25 pcs per bag
100 pcs per box



Please use Part Number Listing to verify part number- not all configurations are possible

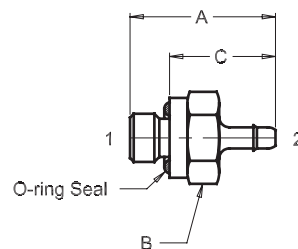
Note: Please refer to drawings for location and size of barbs on reducer fittings.

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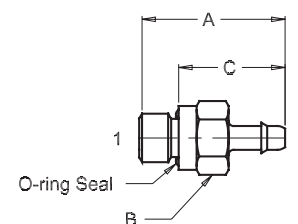
Straight 10-32

Part Number	A	B Hex	C	1	2 Tubing ID
EB10	0.571	5/16	0.416	10-32 (M)	1/16
EB20	0.571	5/16	0.416	10-32 (M)	5/64
EB25	0.574	5/16	0.419	10-32 (M)	3/32
EB30	0.665	5/16	0.510	10-32 (M)	1/8
EB35	0.689	5/16	0.534	10-32 (M)	5/32
EB40	0.689	5/16	0.534	10-32 (M)	.170
EB50	0.723	5/16	0.568	10-32 (M)	3/16
EB60	0.846	5/16	0.691	10-32 (M)	1/4



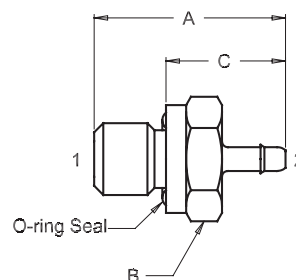
Straight 1/4 Hex

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-250	0.571	1/4	0.416	10-32 (M)	1/16
EB20-250	0.571	1/4	0.416	10-32 (M)	5/64
EB25-250	0.574	1/4	0.419	10-32 (M)	3/32
EB30-250	0.665	1/4	0.510	10-32 (M)	1/8
EB40-250	0.689	1/4	0.534	10-32 (M)	.170



Straight 1/4-28

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-4-28	0.666	3/8	0.416	1/4-28 (M)	1/16
EB30-4-28	0.760	3/8	0.510	1/4-28 (M)	1/8
EB40-4-28	0.784	3/8	0.534	1/4-28 (M)	.170
EB50-4-28	0.818	3/8	0.568	1/4-28 (M)	3/16
EB60-4-28	0.941	3/8	0.691	1/4-28 (M)	1/4

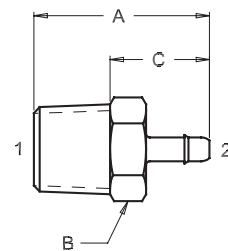


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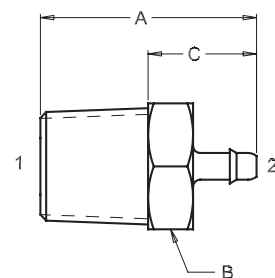
Straight 1/16 NPT

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-1/16	0.611	5/16	0.346	1/16 (M)	1/16
EB25-1/16	0.614	5/16	0.349	1/16 (M)	3/32
EB30-1/16	0.705	5/16	0.440	1/16 (M)	1/8
EB40-1/16	0.729	5/16	0.464	1/16 (M)	.170
EB50-1/16	0.763	5/16	0.498	1/16 (M)	3/16
EB60-1/16	0.886	5/16	0.621	1/16 (M)	1/4



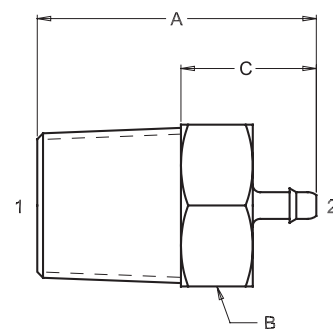
Straight 1/8 NPT

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-1/8	0.752	7/16	0.377	1/8 (M)	1/16
EB20-1/8	0.752	7/16	0.377	1/8 (M)	5/64
EB25-1/8	0.755	7/16	0.380	1/8 (M)	3/32
EB30-1/8	0.846	7/16	0.471	1/8 (M)	1/8
EB40-1/8	0.870	7/16	0.495	1/8 (M)	.170
EB50-1/8	0.904	7/16	0.529	1/8 (M)	3/16
EB60-1/8	1.027	7/16	0.652	1/8 (M)	1/4
EB70-1/8	1.027	7/16	0.652	1/8 (M)	5/16
EB80-1/8	1.090	7/16	0.715	1/8 (M)	3/8



Straight 1/4 NPT

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-1/4	0.971	9/16	0.471	1/4 (M)	1/16
EB30-1/4	1.065	9/16	0.565	1/4 (M)	1/8
EB35-1/4	1.089	9/16	0.589	1/4 (M)	5/32
EB50-1/4	1.123	9/16	0.623	1/4 (M)	3/16
EB60-1/4	1.246	9/16	0.746	1/4 (M)	1/4
EB70-1/4	1.246	9/16	0.746	1/4 (M)	5/16
EB80-1/4	1.309	9/16	0.809	1/4 (M)	3/8

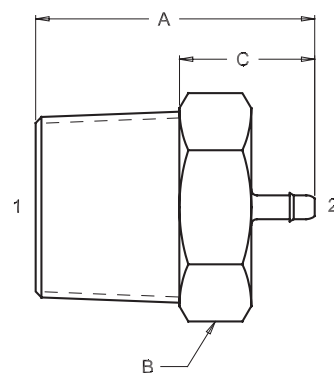


When design makes a dimension critical- contact factory for confirmation.

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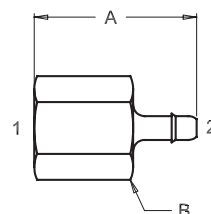
Straight 3/8 NPT

Part Number	A	B Hex	C	1	2 Tubing ID
EB60-3/8	1.246	11/16	0.746	3/8 (M)	1/4
EB80-3/8	1.309	11/16	0.809	3/8 (M)	3/8



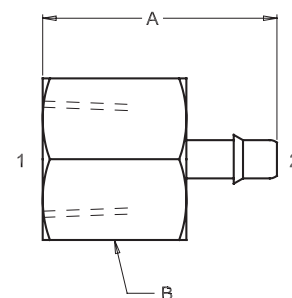
Straight 10-32 (Female)

Part Number	A	B Hex	1	2 Tubing ID
EFB10	0.565	1/4	10-32 (F)	1/16
EFB30	0.659	1/4	10-32 (F)	1/8
EFB40	0.683	1/4	10-32 (F)	.170



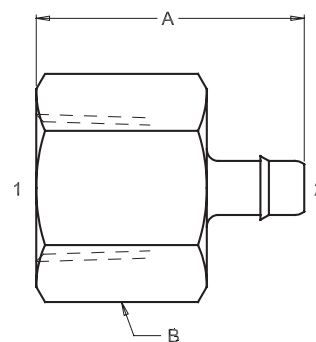
Straight 1/8 NPT (Female)

Part Number	A	B Hex	1	2 Tubing ID
EFB10-1/8	0.721	7/16	1/8 (F)	1/16
EFB25-1/8	0.724	7/16	1/8 (F)	3/32
EFB30-1/8	0.815	7/16	1/8 (F)	1/8
EFB35-1/8	0.839	7/16	1/8 (F)	5/32
EFB40-1/8	0.839	7/16	1/8 (F)	.170
EFB50-1/8	0.873	7/16	1/8 (F)	3/16
EFB60-1/8	0.995	7/16	1/8 (F)	1/4



Straight 1/4 NPT (Female)

Part Number	A	B Hex	1	2 Tubing ID
EFB10-1/4	0.815	11/16	1/4 (F)	1/16
EFB30-1/4	0.909	11/16	1/4 (F)	1/8
EFB40-1/4	0.933	11/16	1/4 (F)	.170
EFB60-1/4	1.090	11/16	1/4 (F)	1/4



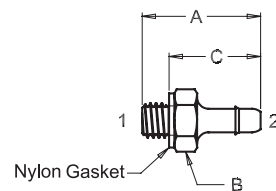
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Straight M3

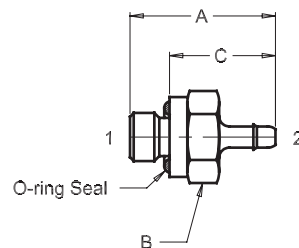
Part Number	A	B Hex	C	1	2 Tubing ID
EB10-M3*	0.412	3/16	0.300	M3 (M)	1/16
EB20-M3	0.412	3/16	0.300	M3 (M)	5/64
EB25-M3	0.415	3/16	0.303	M3 (M)	3/32
EB30-M3	0.506	3/16	0.394	M3 (M)	1/8
EB40-M3	0.563	1/4	0.471	M3 (M)	.170

*Thru hole: 0.047



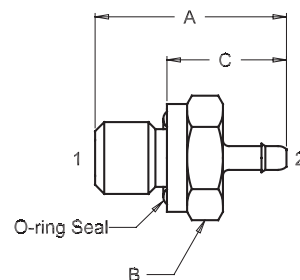
Straight M5

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-M5	0.571	5/16	0.416	M5 (M)	1/16
EB20-M5	0.571	5/16	0.416	M5 (M)	5/64
EB25-M5	0.574	5/16	0.419	M5 (M)	3/32
EB30-M5	0.665	5/16	0.510	M5 (M)	1/8
EB40-M5	0.689	5/16	0.534	M5 (M)	.170



Straight M6

Part Number	A	B Hex	C	1	2 Tubing ID
EB10-M6	0.666	3/8	0.416	M6 (M)	1/16
EB20-M6	0.666	3/8	0.416	M6 (M)	5/64
EB25-M6	0.669	3/8	0.419	M6 (M)	3/32
EB30-M6	0.760	3/8	0.510	M6 (M)	1/8
EB40-M6	0.784	3/8	0.534	M6 (M)	.170

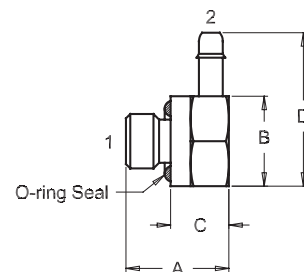


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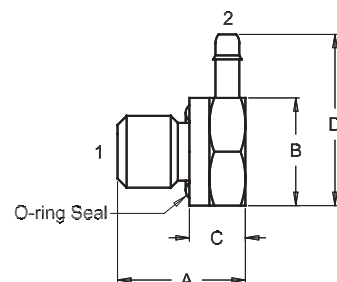
Elbow Fixed 10-32

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10	0.358	5/16	0.203	0.534	10-32 (M)	1/16
ELB20	0.358	5/16	0.203	0.534	10-32 (M)	5/64
ELB25	0.358	5/16	0.203	0.537	10-32 (M)	3/32
ELB30	0.436	5/16	0.281	0.628	10-32 (M)	1/8
ELB35	0.488	5/16	0.333	0.652	10-32 (M)	5/32
ELB40	0.488	5/16	0.333	0.652	10-32 (M)	.170



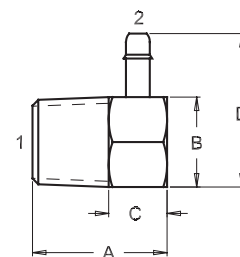
Elbow Fixed 1/4-28

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB25-4-28	0.445	3/8	0.195	0.599	1/4-28 (M)	3/32
ELB30-4-28	0.523	3/8	0.273	0.690	1/4-28 (M)	1/8
ELB40-4-28	0.575	3/8	0.325	0.714	1/4-28 (M)	.170
ELB50-4-28	0.575	3/8	0.325	0.748	1/4-28 (M)	3/16



Elbow Fixed 1/16 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB30-1/16	0.468	5/16	0.203	0.628	1/16 (M)	1/8
ELB40-1/16	0.531	3/8	0.266	0.714	1/16 (M)	.170
ELB50-1/16	0.531	3/8	0.266	0.748	1/16 (M)	3/16
ELB60-1/16	0.578	3/8	0.313	0.871	1/16 (M)	1/4

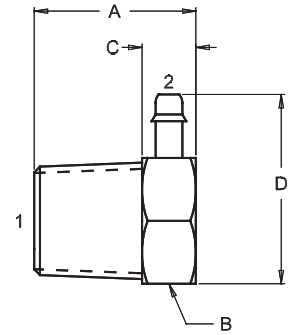


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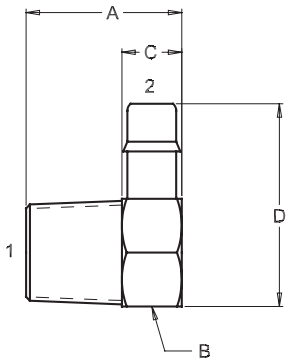
Elbow Fixed 1/8 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10-1/8	0.625	7/16	0.300	0.659	1/8 (M)	1/16
ELB25-1/8	0.625	7/16	0.300	0.662	1/8 (M)	3/32
ELB30-1/8	0.625	7/16	0.300	0.753	1/8 (M)	1/8
ELB35-1/8	0.625	7/16	0.300	0.777	1/8 (M)	5/32
ELB40-1/8	0.688	7/16	0.355	0.777	1/8 (M)	.170
ELB50-1/8	0.688	7/16	0.355	0.811	1/8 (M)	3/16
ELB60-1/8	0.688	7/16	0.375	0.934	1/8 (M)	1/4
ELB80-1/8	0.984	5/8	0.609	1.184	1/8 (M)	3/8



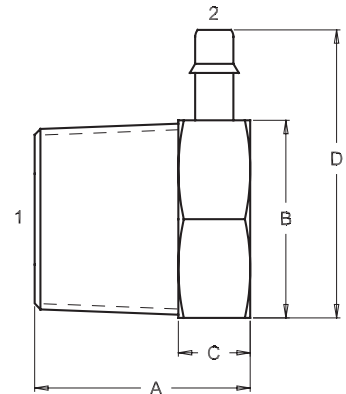
Elbow Fixed 1/4 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10-1/4	0.750	9/16	0.250	0.784	1/4 (M)	1/16
ELB30-1/4	0.750	9/16	0.250	0.878	1/4 (M)	1/8
ELB40-1/4	0.825	9/16	0.325	0.902	1/4 (M)	.170
ELB50-1/4	0.825	9/16	0.325	0.936	1/4 (M)	3/16
ELB60-1/4	0.850	9/16	0.350	1.059	1/4 (M)	1/4
ELB80-1/4	1.109	3/4	0.609	1.309	1/4 (M)	3/8



Elbow Fixed 3/8 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB30-3/8	0.780	11/16	0.280	1.003	3/8 (M)	1/8
ELB50-3/8	0.780	11/16	0.280	1.061	3/8 (M)	3/16
ELB80-3/8	1.109	0.750	0.609	1.309	3/8 (M)	3/8

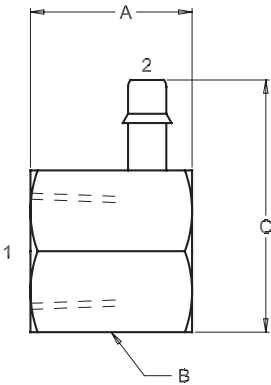


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Elbow Fixed 1/8 NPT (Female)

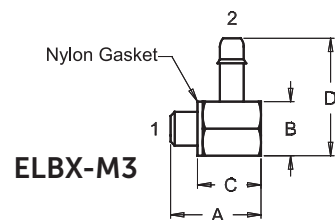
Part Number	A	B Hex	C	1	2 Tubing ID
EFLB30-1/8	0.500	9/16	0.878	1/8 (F)	1/8
EFLB40-1/8	0.563	9/16	0.902	1/8 (F)	.170
EFLB50-1/8	0.563	9/16	0.936	1/8 (F)	3/16



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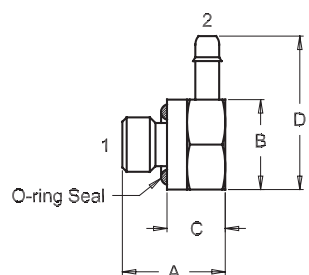
Elbow Fixed M3

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10-M3	0.315	3/16	0.223	0.409	M3 (M)	1/16
ELB25-M3	0.315	3/16	0.223	0.412	M3 (M)	3/32
ELB30-M3	0.393	5/16	0.301	0.628	M3 (M)	1/8



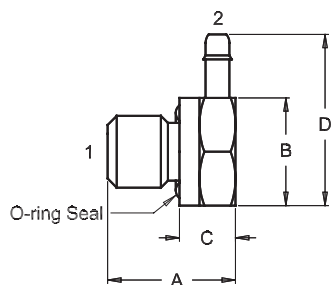
Elbow Fixed M5

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10-M5	0.358	5/16	0.203	0.534	M5 (M)	1/16
ELB25-M5	0.358	5/16	0.203	0.537	M5 (M)	3/32
ELB30-M5	0.436	5/16	0.281	0.628	M5 (M)	1/8
ELB40-M5	0.488	5/16	0.333	0.652	M5 (M)	.170



Elbow Fixed M6

Part Number	A	B Hex	C	D	1	2 Tubing ID
ELB10-M6	0.445	3/8	0.195	0.596	M6 (M)	1/16
ELB25-M6	0.445	3/8	0.195	0.599	M6 (M)	3/32
ELB30-M6	0.523	3/8	0.273	0.690	M6 (M)	1/8
ELB40-M6	0.575	3/8	0.325	0.714	M6 (M)	.170
ELB50-M6	0.575	3/8	0.325	0.748	M6 (M)	3/16

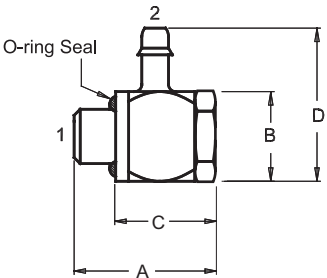


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Elbow Adjustable

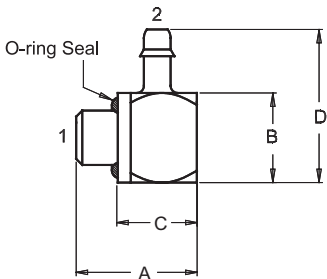
Part Number	A	B Square	C	D	1	2 Tubing ID
EA-LB10	0.496	5/16	0.351	0.533	10-32 (M)	1/16
EA-LB20	0.496	5/16	0.351	0.533	10-32 (M)	5/64
EA-LB25	0.496	5/16	0.351	0.536	10-32 (M)	3/32
EA-LB30	0.496	5/16	0.351	0.627	10-32 (M)	1/8
EA-LB40	0.596	5/16	0.424	0.619	10-32 (M)	.170
EA-LB50	0.596	5/16	0.424	0.686	10-32 (M)	3/16



Elbow Adjustable (Slotted)

Part Number	A	B Square	C	D	1	2 Tubing ID
EA-LB10-SLOT	0.419	5/16	0.275	0.533	10-32 (M)	1/16
EA-LB20-SLOT	0.419	5/16	0.275	0.533	10-32 (M)	5/64
EA-LB25-SLOT	0.419	5/16	0.275	0.536	10-32 (M)	3/32
EA-LB30-SLOT	0.419	5/16	0.275	0.627	10-32 (M)	1/8
EA-LB40-SLOT	0.492	5/16	0.348	0.651	10-32 (M)	.170
EA-LB50-SLOT	0.492	5/16	0.348	0.685	10-32 (M)	3/16

Features a screwdriver slot for fitting alignment

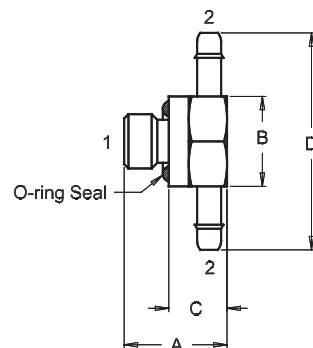


Pneu-Edge fittings feature a consistently sharp, single-barb design which provides a tighter grip and seal than standard multiple barbs

When design makes a dimension critical- contact factory for confirmation.
 All dimensions are in inches, unless otherwise specified and are subject to change without notice.

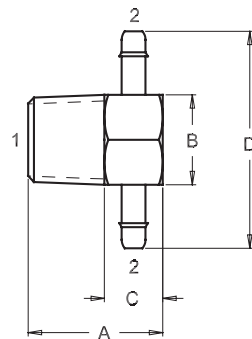
Tee Fixed 10-32

Part Number	A	B Hex	C	D	1	2 Tubing ID
ETB30	0.436	5/16	0.281	0.943	10-32 (M)	1/8
ETB40	0.488	5/16	0.333	0.991	10-32 (M)	.170



Tee Fixed 1/16 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ET10-1/16	0.468	5/16	0.203	0.755	1/16 (M)	1/16

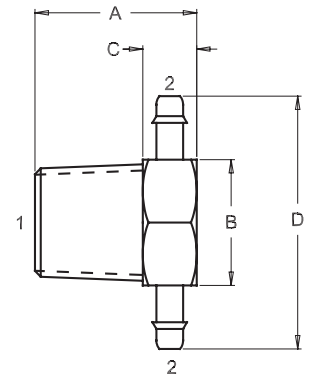


When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

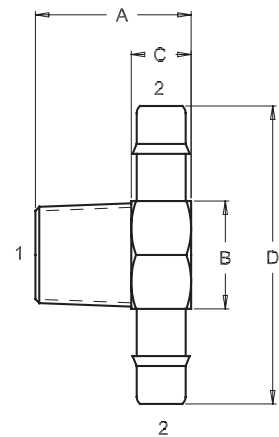
Tee Fixed 1/8 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ET10-1/8	0.625	7/16	0.250	0.880	1/8 (M)	1/16
ET25-1/8	0.625	7/16	0.250	0.886	1/8 (M)	3/32
ET30-1/8	0.625	7/16	0.250	1.068	1/8 (M)	1/8
ET40-1/8	0.687	7/16	0.313	1.116	1/8 (M)	.170
ET50-1/8	0.625	7/16	0.250	1.184	1/8 (M)	3/16
ET60-1/8	0.688	7/16	0.313	1.430	1/8 (M)	1/4



Tee Fixed 1/4 NPT

Part Number	A	B Hex	C	D	1	2 Tubing ID
ET60-1/4	0.850	9/16	0.350	1.555	1/4 (M)	1/4
ET80-1/4	1.109	3/4	0.609	1.868	1/4 (M)	3/8

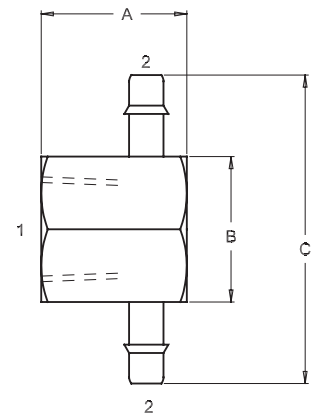


When design makes a dimension critical- contact factory for confirmation.

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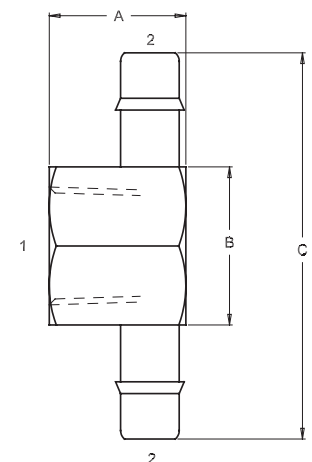
Tee Fixed 1/8 NPT (Female)

Part Number	A	B Hex	C	1	2 Tubing ID
EFT10-1/8	0.500	9/16	1.005	1/8 (F)	1/16
EFT30-1/8	0.500	9/16	1.193	1/8 (F)	1/8
EFT40-1/8	0.563	9/16	1.241	1/8 (F)	.170



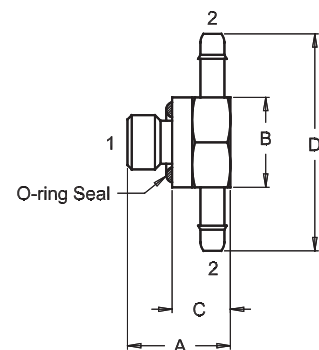
Tee Fixed 1/4 NPT (Female)

Part Number	A	B Hex	C	1	2 Tubing ID
EFT30-1/4	0.594	11/16	1.318	1/4 (F)	1/8
EFT40-1/4	0.594	11/16	1.366	1/4 (F)	.170



Tee Fixed M5

Part Number	A	B Hex	C	D	1	2 Tubing ID
ET40-M5	0.488	5/16	0.333	0.991	M5 (M)	.170

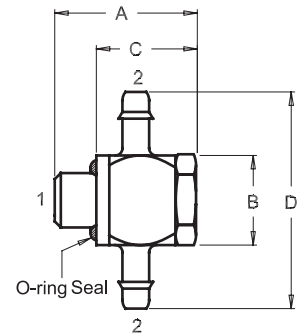


When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

Tee Fixed 10-32

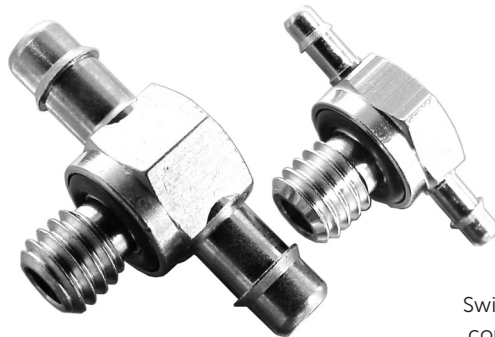
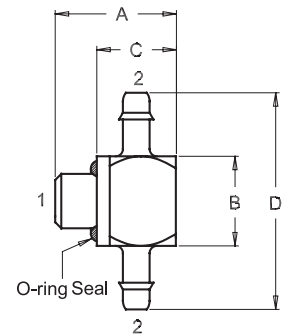
Part Number	A	B Square	C	D	1	2 Tubing ID
EA-T10	0.496	5/16	0.351	0.754	10-32 (M)	1/16
EA-T25	0.496	5/16	0.351	0.760	10-32 (M)	3/32
EA-T30	0.496	5/16	0.351	0.942	10-32 (M)	1/8
EA-T40	0.596	5/16	0.424	0.991	10-32 (M)	.170



Tee Fixed 10-32 (Slotted)

Part Number	A	B Square	C	D	1	2 Tubing ID
EA-T10-SLOT	0.419	5/16	0.275	0.754	10-32 (M)	1/16
EA-T25-SLOT	0.419	5/16	0.275	0.760	10-32 (M)	3/32
EA-T30-SLOT	0.419	5/16	0.275	0.942	10-32 (M)	1/8
EA-T40-SLOT	0.492	5/16	0.348	0.990	10-32 (M)	.170

Features a screwdriver slot for fitting alignment



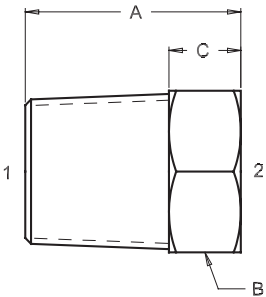
Swiss precision machining ensures consistently sharp barbs for more permanent tubing installation

When design makes a dimension critical- contact factory for confirmation.

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Plugs

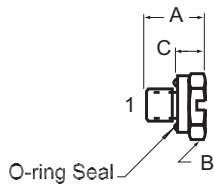
Part Number	A	B Hex	C	1
SPG-1/8	0.531	7/16	0.156	1/8 (M)
SPG-1/4	0.750	9/16	0.250	1/4 (M)
SPG-3/8	0.750	11/16	0.250	3/8 (M)
SPG-1/2	0.875	7/8	0.250	1/2 (M)



Plugs (Slotted)

Part Number	A	B Hex	C	1
SPG-4-28	0.445	3/8	0.195	1/4-28 (M)
SPG-10	0.310	5/16	0.160	10-32 (M)
SPG-10-1/4	0.310	1/4	0.160	10-32 (M)
SPG-M3*	0.191	3/16	0.099	M3 (M)
SPG-M5	0.310	5/16	0.195	M5 (M)
SPG-M6	0.445	3/8	0.195	M6 (M)

* Nylon Gasket

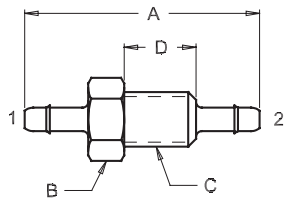


Bulkheads

Part Number	A	B Hex	C	D	1 Tubing ID	2
EBK-10	0.817	1/4	10-32 (M)	0.250	1/16	1/16
EBK-20	0.817	1/4	10-32 (M)	0.250	5/64	5/64
EBK-25	0.823	1/4	10-32 (M)	0.250	3/32	3/32
EBK-30-4-28	1.068	5/16	1/4-28 (M)	0.313	1/8	1/8
EBK-40-20	0.935	1/4	10-32 (M)	0.250	.170	5/64
EBK-40-25	0.938	1/4	10-32 (M)	0.250	.170	3/32
EBK-40-5/16	1.209	3/8	5/16-24 (M)	0.406	.170	.170
EBK-60-3/8	1.523	1/2	3/8-24 (M)	0.406	1/4	1/4
EBK-60-1/8	1.523	1/2	*1/8 (M)	0.375	1/4	1/4

Note: Locking nut included

*NPT pipe thread: locking nut not included

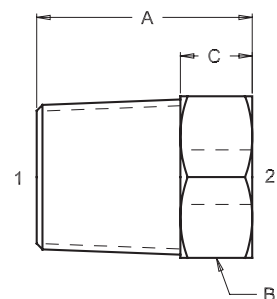


When design makes a dimension critical- contact factory for confirmation.

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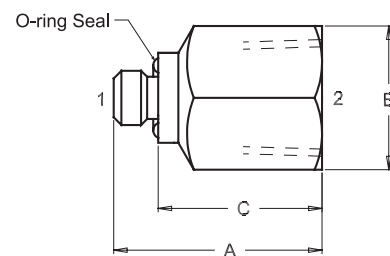
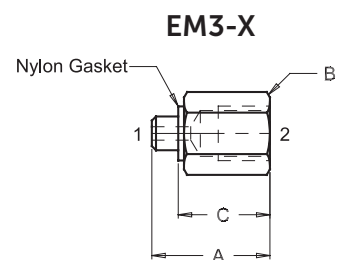
Bushings (Reducer)

Part Number	A	B Hex	C	1	2
26	0.680	9/16	0.180	1/4 (M)	10-32 (F)
25	0.530	7/16	0.160	1/8 (M)	10-32 (F)
27	0.410	3/8	0.140	1/16 (M)	10-32 (F)



Adapters

Part Number	A	B Hex	C	1	2
E10-1/8	0.724	1/2	0.500	10-32 (M)	1/8 (F)
E1/8-1/4	0.969	11/16	0.594	1/8 (M)	1/4 (F)



IMI Bimba's Pneu-Edge® fittings ensure a lasting tubing connection and leak-proof fit

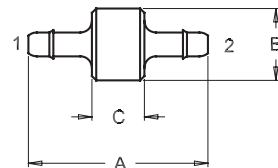
When design makes a dimension critical- contact factory for confirmation.

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Barb-to-Barb (Couplings)

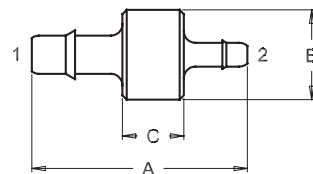
Part Number	A	B Diam.	C	1 Tubing ID	2
EC10	0.625	1/4	0.183	1/16	1/16
EC20-SL	0.500	5/32	0.058	5/64	5/64
EC25	0.641	5/16	0.193	3/32	3/32
EC35	0.879	5/16	0.214	5/32	5/32
EC40	0.938	5/16	0.245	.170	.170
EC50	1.000	3/8	0.254	3/16	3/16
EC60	1.313	7/16	0.321	1/4	1/4

Note: SL= Slim Line



Barb-to-Barb (Couplings)

Part Number	A	B Diam.	C	1 Tubing ID	2
ERC20-10	0.625	1/4	0.183	5/64	1/16
ERC30-10	0.750	5/16	0.214	1/8	1/16
ERC50-30	0.942	3/8	0.254	3/16	1/8
ERC60-20	1.038	7/16	0.348	1/4	5/64
ERC60-30	1.132	7/16	0.348	1/4	1/8
ERC60-40	1.156	7/16	0.348	1/4	.170

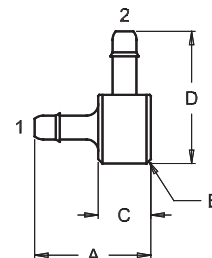


When design makes a dimension critical- contact factory for confirmation.

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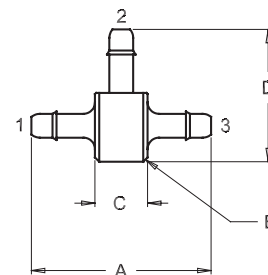
Barb-to-Barb (Elbows)

Part Number	A	B Diam.	C	D	1 Tubing ID	2
EL10	0.404	1/4	0.183	0.448	1/16	1/16
EL20	0.404	1/4	0.183	0.448	5/64	5/64
EL30	0.529	3/8	0.214	0.675	1/8	1/8
EL40	0.599	7/16	0.260	0.739	.170	.170
EL60	0.817	1/2	0.321	0.954	1/4	1/4
EL80	1.059	11/16	0.500	1.185	3/8	3/8



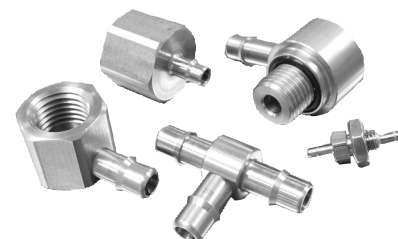
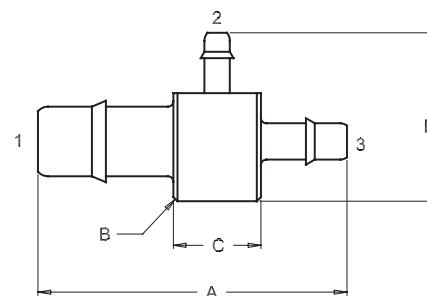
Barb-to-Barb (Tees)

Part Number	A	B Diam.	C	D	1, 2, 3 Tubing ID
ET10	0.625	1/4	0.183	0.448	1/16
ET20	0.625	1/4	0.183	0.448	5/64
ET25	0.631	1/4	0.183	0.451	3/32
ET30	0.844	3/8	0.214	0.665	1/8
ET35	0.938	7/16	0.260	0.739	5/32
ET40	0.938	7/16	0.260	0.739	.170
ET50	1.006	7/16	0.260	0.773	3/16
ET60	1.313	1/2	0.321	0.954	1/4
ET70	1.492	11/16	0.500	1.122	5/16
ET80	1.618	11/16	0.500	1.185	3/8



Barb-to-Barb (Tees-Reducing)

Part Number	A	B Diam.	C	D	1 Tubing ID	2	3
ERT30-10-30	0.844	5/16	0.214	0.510	1/8	1/16	1/8
ERT40-10-40	0.892	5/16	0.214	0.510	.170	1/16	.170
ERT40-30-40	0.892	5/16	0.214	0.604	.170	1/8	.170
ERT50-30-50	1.000	3/8	0.254	0.656	3/16	1/8	3/16



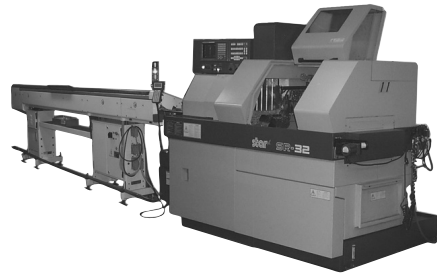
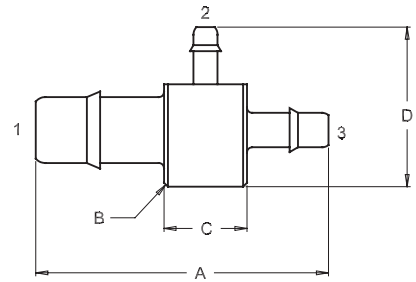
Straight connectors, tees, elbows, crosses and couplings are available in a wide variety of sizes and materials to accommodate numerous fluid handling circuits.

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Barb-to-Barb (Tees-Reducing)

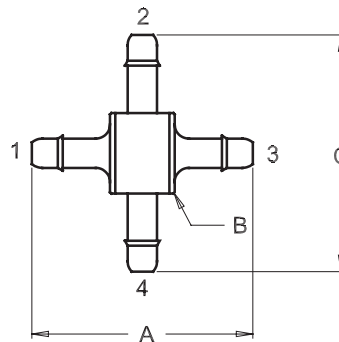
Part Number	A	B Diam.	C	D	1 Tubing ID	2	3
ERT60-30-60	1.313	7/16	0.321	0.711	1/4	1/8	1/4
ERT60-40-60	1.313	7/16	0.321	0.735	1/4	.170	1/4
ERT60-30-30	1.132	7/16	0.321	0.711	1/4	1/8	1/8
ERT80-60-80	1.618	5/8	0.500	1.031	3/8	1/4	3/8



Manufacturing quality is ensured through strict process control of CNC equipment - from our "high tech" 5-axis Swiss screw machines to our basic 2-axis lathes. Employing the most sophisticated techniques available, such as 24-hour "lights out" machining, increases our ability to provide custom products and fulfill low volume orders, setting us apart in the miniature pneumatics industry.

Barb-to-Barb (Crosses)

Part Number	A	B Diam.	C	1,2,3,4 Tubing ID
EX10	0.625	1/4	0.646	1/16
EX60	1.313	7/16	1.408	1/4



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Features

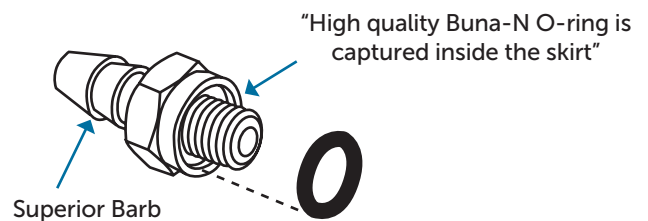
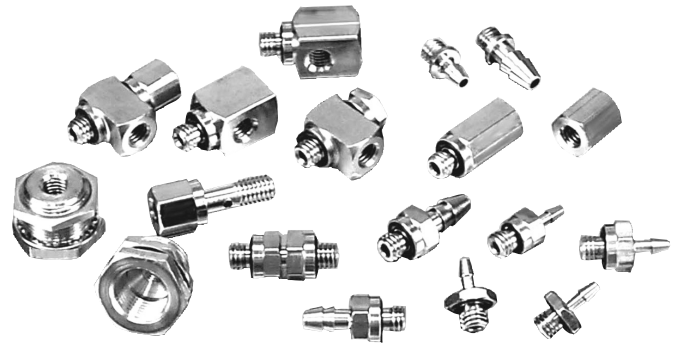
The O-ring fitting design was perfected by Pneumadyne engineers in the early 1980's. This unique fitting created a standard for industry and today numerous competitors have attempted to replicate our design. The Pneumadyne O-ring fitting was designed with the superior static sealing qualities of an O-ring plus the reliability of a metal-to-metal mechanical fit.

When properly installed the skirt around the O-ring allows the fitting to mechanically seat on the rim of the female thread and hold the fitting tight. The high quality Buna-N O-ring is captured inside the skirt of the fitting, concealing it from view and providing a clean looking connection. The result is superior sealing power- the Buna-N O-ring is not pinched but rather compressed within the fitting skirt which ensures a leakproof fit even when mated with a less than perfect sealing surface. When torqued down the mechanical fit keeps the fittings tight and retains its position even under constant vibration.

Our captured O-ring design also eases installation, there is no need to replace or reposition the seal - we have eliminated the need for replacement gaskets or washers.

Custom designs are welcome

- Reliability of a metal-to-metal mechanical fit
- Captured O-ring for superior seal
- Precision machined barb design
- Electroless Nickel plated



Materials

Brass, Electroless Nickel, Stainless Steel 303, Buna-N O-Rings (standard) optional seals available -contact factory

How To Order

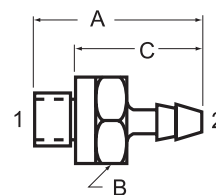
- To order standard product use part number listing.
- For 303 Stainless Steel add a -SS suffix to the part number - lead times may apply.
- Optional O-rings available - contact factory.
- Standard package quantities:
 - 25 pcs per bag
 - 100 pcs per box

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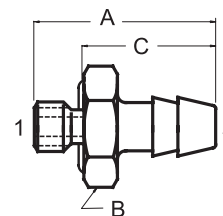
Straight Connector

Part Number	A	B Hex	C	1	2 Tubing ID
SBF-062	.60	5/16	.44	10-32 (M)	1/16
SBF-062-LP	.49	5/16	.33	10-32 (M)	1/16
SBF-062-1/4	.59	1/4	.44	10-32 (M)	1/16
SBF-110	.58	5/16	.42	10-32 (M)	5/64
SBF-110-1/4	.58	1/4	.42	10-32 (M)	5/64
SBF-140	.66	5/16	.50	10-32 (M)	1/8
SBF-140-1/4	.66	1/4	.50	10-32 (M)	1/8
SBF-170	.72	5/16	.56	10-32 (M)	.170
SBF-170-1/4	.72	1/4	.56	10-32 (M)	.170



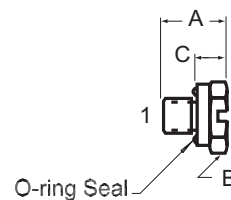
Straight M3

Part Number	A	B Hex	C	1	2 Tubing ID
SBF-062-1/4-M3	.45	1/4	.33	M3	1/16
SBF-110-1/4-M3	.45	1/4	.31	M3	5/64



Plug (Slotted)

Part Number	A	B Hex	C	1
SPG-10	.31	5/16	.16	10-32 (M)
SPG-10-1/4	.31	1/4	.16	10-32 (M)

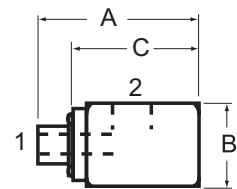


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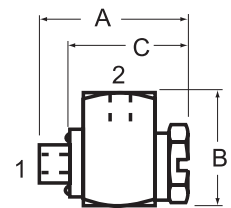
Elbow Fixed

Part Number	A	B Square	C	1	2
SBF-32-1	.61	3/8	.45	10-32 (M)	10-32 (F)



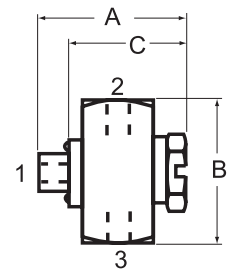
Elbow Adjustable

Part Number	A	B	C	1	2	Hex
STL-10	.67	.50	.54	10-32 (M)	10-32 (F)	5/16
STL-10-SS	.67	.50	.54	10-32 (M)	10-32 (F)	5/16



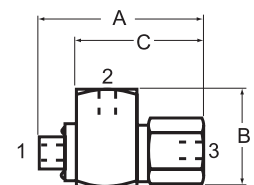
Tee Adjustable

Part Number	A	B	C	1	2, 3	Hex
STT-10	.67	.63	.54	10-32 (M)	10-32 (F)	5/16



Tee Adjustable

Part Number	A	B	C	1	2, 3	Hex
SFL-10	.85	.50	.72	10-32 (M)	10-32 (F)	5/16

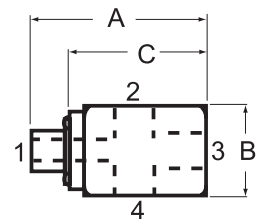


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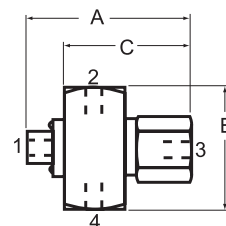
Cross Fixed

Part Number	A	B Square	C	1	2,3,4
SBF-32-3	.72	3/8	.57	10-32 (M)	10-32 (F)



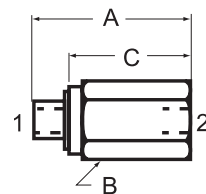
Cross Adjustable

Part Number	A	B	C	1	2,3,4	Hex
SFT-10	.85	.63	.72	10-32 (M)	10-32 (F)	5/16



Adapter

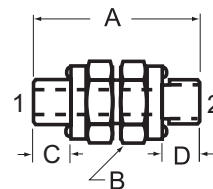
Part Number	A	B Hex	C	1	2
SSP-10	.72	5/16	.56	10-32 (M)	10-32 (F)



Nipple (Universal Adjustable)

Part Number	A	B Hex	C Adjust	D Fixed	1,2
SFU-22	.72	5/16	.185	.16	10-32 (M)

C = adjustable nut tightened to fixed nut



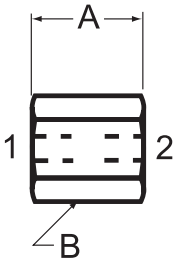
When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

Coupling

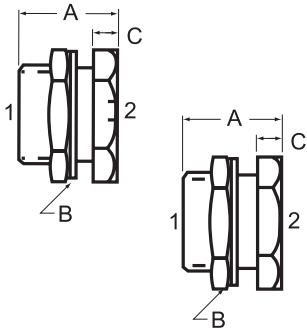
Part Number	A	B Square	1,2 Thru
*22	.38	1/4	10-32 (F)
SF-22	.38	5/16	10-32 (F)

*Standard product is brass, contact factory for Electroless Nickel finish



Tee Swivel

Bulkhead					
Part Number	A	B	C	1	2
SBH-10	.45	9/16	.11	15/32-32 x10-32 (F)	10-32 (F)
SBH-125	.45	9/16	.11	15/32-32 x10-32 (F)	1/8 (F)



When design makes a dimension critical- contact factory for confirmation.
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Features

Engineers at IMI Bimba pioneered the 10-32 tapered thread design and have incorporated it in a 10-32 fitting. This unique design eliminates the need for a soft seal undercut at the base of the fitting and produces a seal similar to pipe thread. The absence of the undercut also allows for a larger than normal hole permitting more flow. Tapered threads are sturdier than thin walled 10-32 fittings and can be used in conventional straight female threads as well.

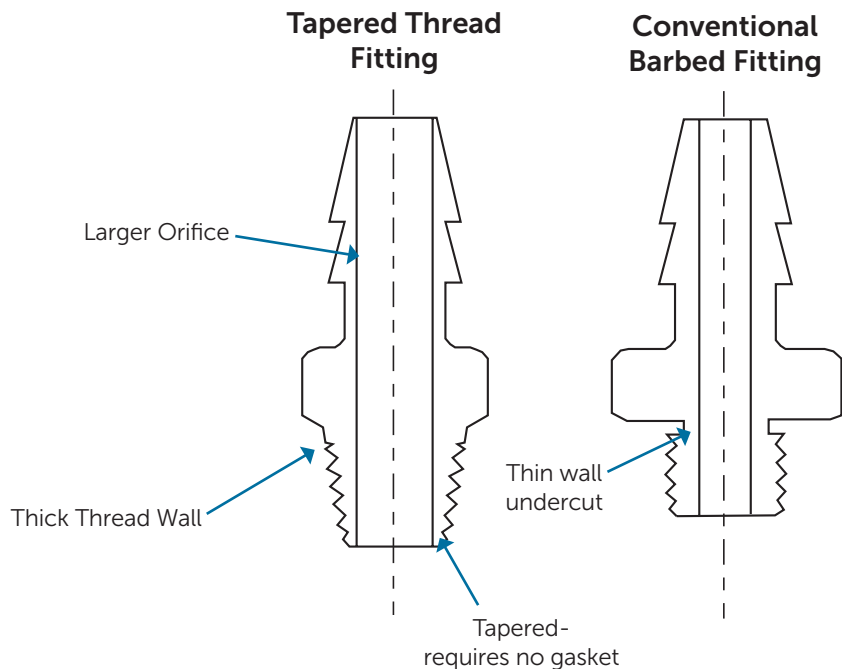
Tape or Thread Sealant recommended

Custom designs are welcome

- Tapered thread (No gasket required)
- Larger orifice
- Thick thread wall
- Precision machined barbs
- Brass



Product Information



How To Order

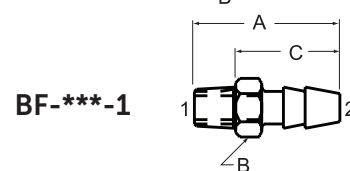
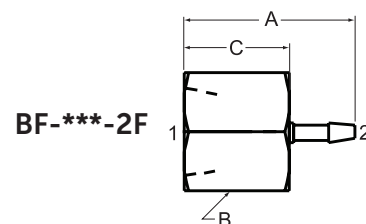
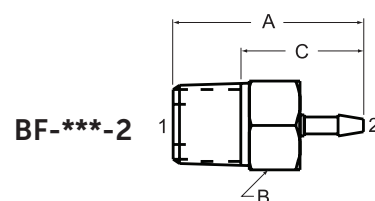
- To order standard brass product use part number listing.
- All tapered thread fittings are available in brass as standard; For Electroless Nickel add an "N" as a last digit to the standard part number.
- Standard package quantities:
25 pcs per bag
100 pcs per box

When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

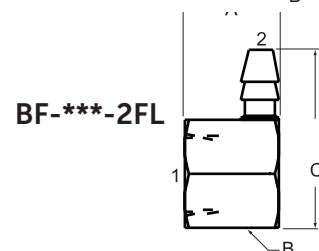
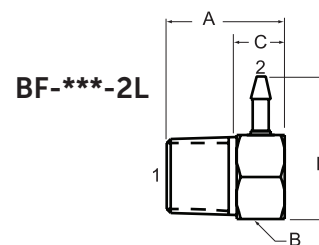
Straight Connector

Part Number	A	B Hex	C	1	2 Tubing ID
BF-062	.57	1/4	.370	10-32 (M)	1/16
BF-062-2	.94	7/16	.565	1/8 (M)	1/16
BF-140	.70	1/4	.500	10-32 (M)	1/8
BF-170-1	.70	1/4	.500	10-32 (M)	.170
BF-170-2	.90	7/16	.530	1/8 (M)	.170



Elbow Tapered to Barb

Part Number	A	B Hex	C	D	1	2 Tubing ID
BF-062-2L	.62	7/16	.25	.752	1/8 (M)	1/16
BF-140-2L	.625	7/16	.25	.815	1/8 (M)	1/8
BF-170-2FL	.50	9/16	.50	-	1/8 (F)	.170
BF-170-2L	.62	7/16	.25	.938	1/8 (M)	.170

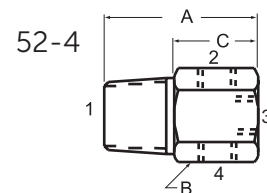
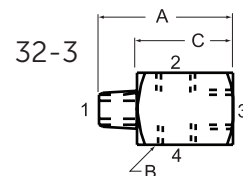


When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

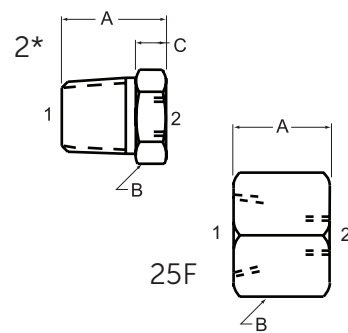
Crosses

Part Number	A	B Square	1	2	3
32-3	.70	3/8 Square	.50	10-32 (M)	10-32 (F)
52-4	.90	7/16 Hex	.53	1/8 (M)	10-32 (F)



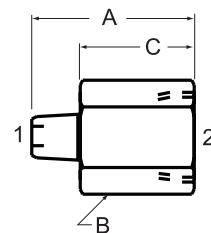
Reducer Bushing

Part Number	A	B Hex	C	1	2
25	.53	7/16	.16	1/8 (M)	10-32 (F)
25F	.50	7/16	.50	1/8 (F)	10-32 (F)
26	.68	9/16	.18	1/4 (M)	10-32 (F)
27	.41	3/8	.14	1/16 (M)	10-32 (F)



Adapters

Part Number	A	B Hex	C	1	2
34A	.75	7/16	.50	1/16 (M)	1/8 (F)



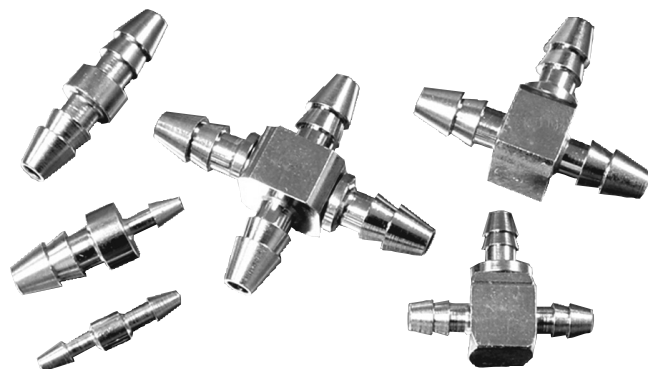
When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

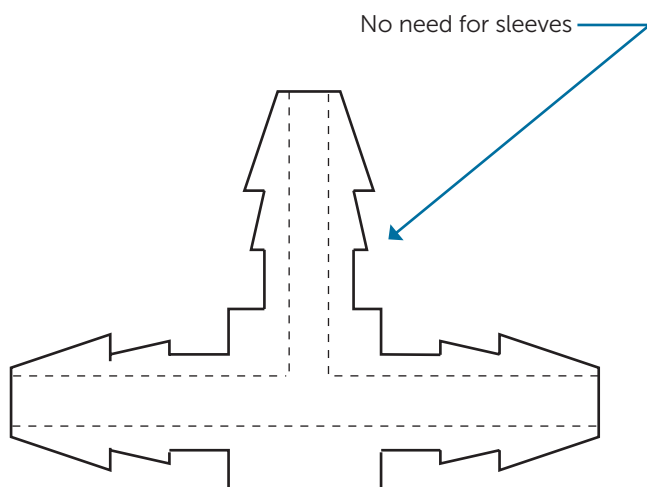
Features

IMI Bimba's Barb-to-Barb fittings are high quality, durable brass barbs with the sharpness required to maintain connection even in high pressure and vibration applications. The electroless nickel plated barbed fittings are offered in a variety of sizes and configurations.

- Precision machined for 1/8", 5/32", 1/4" tubing
- Eliminates the need for sleeves
- Electroless Nickel plated



Product Information



Electroless Nickel plated for corrosion resistance

How To Order

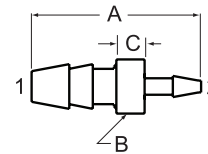
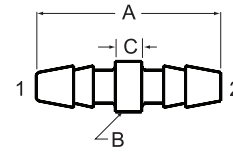
- To order standard product use part number listing.
- Standard package quantities:
 - 25 pcs per bag
 - 100 pcs per box

When design makes a dimension critical- contact factory for confirmation.

All dimensions are in inches, unless otherwise specified and are subject to change without notice.

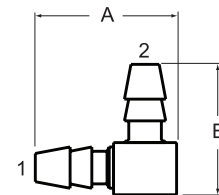
Barb-to-Barb (Couplings)

Part Number	A	B Diam.	C	1 Tubing ID	2 Tubing ID
SBF-1616	.63	.125	.125	1/16	1/16
SBF-1816	.75	.25	.125	.170	1/16
SBF-1818	.88	.25	.125	.170	.170



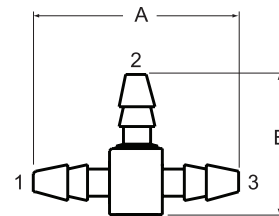
Barb-to-Barb (Elbow)

Part Number	A	B	1 Tubing ID	2 Tubing ID
SBF-18L	.78	.63	.170	.170



Barb-to-Barb (Tee)

Part Number	A	B Diam.	C	1 Tubing ID	2 Tubing ID
SBF-10T	.72	.78	5/64	5/64	5/64
SBF-14T	.876	.721	1/8	1/8	1/8
SBF-16T	.79	.47	1/16	1/16	1/16
SBF-18T	1.00	.78	.170	.170	.170
SBF-1810T	1.00	.64	.170	5/64	.170
SBF-1816T	1.00	.66	.170	1/16	.170



When design makes a dimension critical- contact factory for confirmation.

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Standard Double Barb

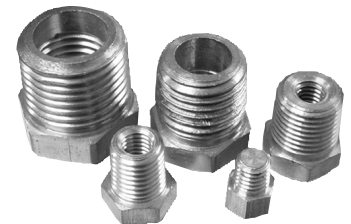
Flow Rate (Typical)

Barb Size	Tube ID (PUR)	C _v	Flow Rate (scfm)	
			50 PSI	125 PSI
062	1/16	0.06	1.8	4.0
110	5/64 or 2.4mm	0.20	5.2	12.0
140	1/8	0.20	5.2	12.0
170 O-ring	.170	0.28	7.3	16.5
170 Tapered	.170	0.40	10.5	23.5

Barb Size	Tube ID (PUR)	C _v	Flow Rate (scfm)	
			50 PSI	125 PSI
10	1/16	0.08	2.4	5.5
20	5/64	0.09	2.8	6.8
25	3/32	0.18	5.0	12.0
30	1/8	0.24	6.0	14.5
35	5/32	0.31	7.8	19.0
40	.170	0.48	11.5	27.0
50	3/16	0.60	14.0	33.0
60	1/4	1.07	22.0	52.0
70	5/16	1.62	35.0	82.0
80	3/8	3.40	59.0	140.0



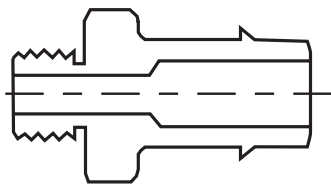
Captured O-ring



Standard Tapered
Thread sizes available

Flow Rate (Typical)

Pneu-Edge® fittings ease installation by offering larger barbs on miniature threads. This configuration lowers the rate of flow. Please refer to the listing below for atypical dimensions and data.



Barb ID does not necessarily determine flow rate

Additional Recommendation: Pneu-Edge fittings ensure permanent polyurethane tubing installation without the need for clamps. However, we recommend the use of clamps in applications over 80 psi which also involve heat or vibration. All Flow Rates are approximate

Part Number	Tube ID (PUR)	C _v	Flow Rate (scfm) PSI	
			50	125
EB35	5/32	.28	7.3	16.5
EB40	.170	.28	7.3	16.5
EB50	3/16	.28	7.3	16.5
EB60	1/4	.28	7.3	16.5
EB40-250	.170	.28	7.3	16.5
EB40-4-28	.170	.48	11.5	27.0
EB50-4-28	3/16	.48	11.5	27.0
EB60-4-28	1/4	.48	11.5	27.0
EB10-M3	1/16	.06	1.8	4.0
EB20-M3	5/64	.06	1.8	4.0
EB25-M3	3/32	.06	1.8	4.0
EB30-M3	1/8	.06	1.8	4.0
EB40-M3	.170	.06	1.8	4.0
EB40-M5	.170	.28	7.3	16.5
ELB35	5/32	.28	7.3	16.5
ELB40	.170	.28	7.3	16.5
ELB50-4-28	3/16	.48	11.5	27.0
ELB10-M3	1/16	.06	1.8	4.0
ELB25-M3	3/32	.06	1.8	4.0
ELB30-M3	1/8	.06	1.8	4.0
ELB40-M5	.170	.28	7.3	16.5
ELB50-M6	3/16	.48	11.5	27.0

Part Number	Tube ID (PUR)	C _v	Flow Rate (scfm) PSI	
			50	125
EA-LB40	.170	.40	10.5	23.5
EA-LB50	3/16	.40	10.5	23.5
EA-LB40-SLOT	.170	.40	10.5	23.5
EA-LB50-SLOT	3/16	.40	10.5	23.5
ETB40	.170	.28	7.3	16.5
ET40-M5	.170	.28	7.3	16.5
EA-T40	.170	.40	10.5	23.5
EA-T40-SLOT	.170	.40	10.5	23.5

When design makes a dimension critical- contact factory for confirmation.

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