



MINIMATIC® FITTINGS

PUSH-QUICK FITTINGS 284 - 292

SLIP-ON FITTINGS 293 - 298

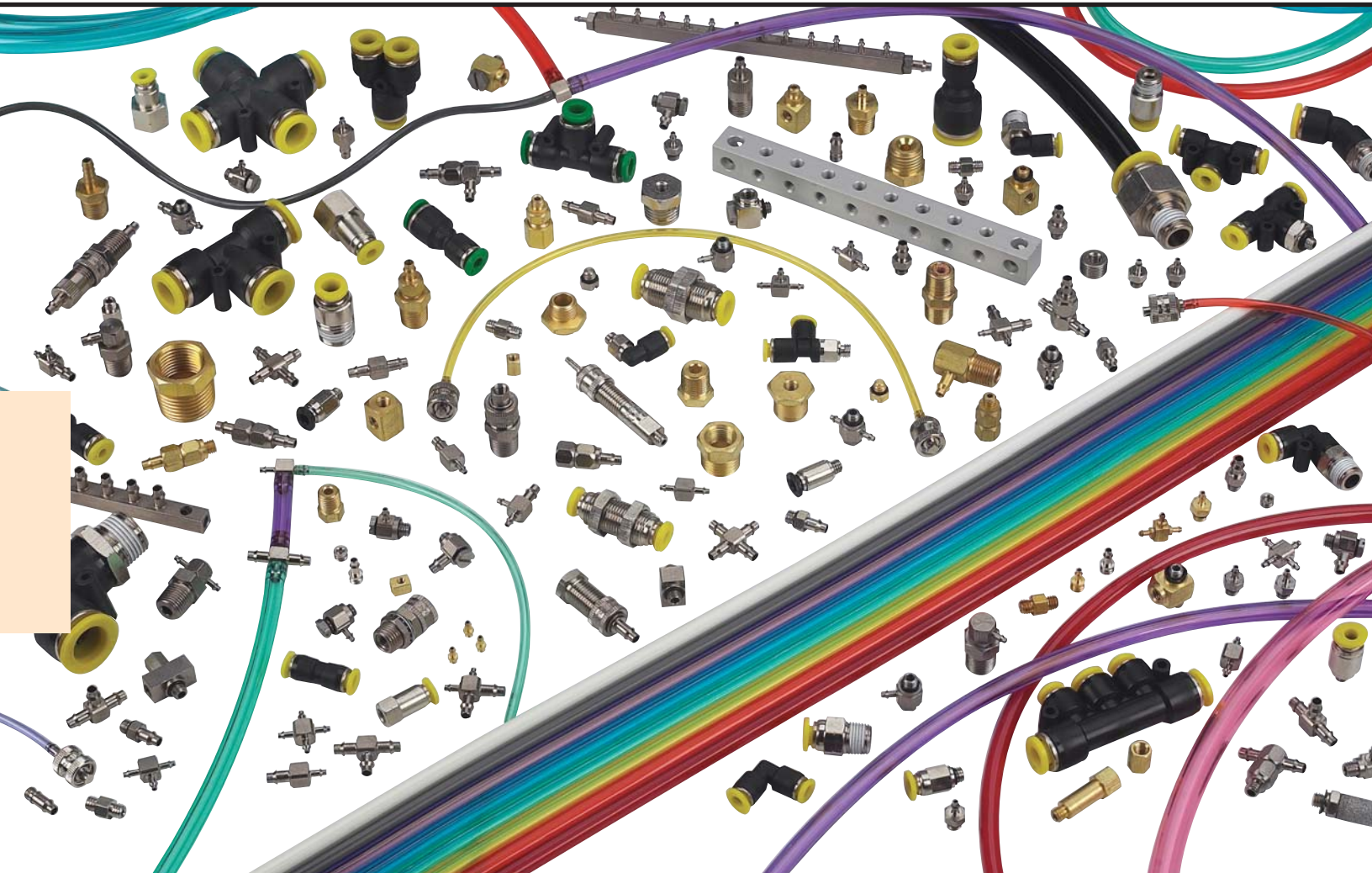
BRASS FITTINGS 299 - 309

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For ease in construction of pneumatic logic control and fluid power systems, you will find in the Clippard line an extensive choice of useful fittings. Clippard fittings are designed for the greatest flexibility, practical usefulness and for savings in time, cost and space.

Why Clippard Miniature Fluid Power Fittings?



While others were thinking about large fittings, Clippard was thinking big about smaller fittings. Smaller valves and cylinders created the need for smaller fittings. Clippard was the first to develop ports utilizing the #10-32 thread. This thread has become an industry standard in the marketplace. Because of their compact size, #10-32 fittings when properly gasketed and/or sealed with anaerobic sealant, can withstand pressures well beyond those required for pneumatic applications.

All Clippard fittings are made to the same high standards as our valves and cylinders. Precision machining and finishing processes insure that all fittings are held to the tightest tolerances. What does this mean to you? It means quality... quality that leads to ease in assembly, and consistent, trouble free performance.

Clippard precision fittings will save you time, space, and money when designing versatile, productive, trouble free, pneumatic circuits. Our endless variety of fittings insure that you find just the right "fit" when plumbing pneumatic circuits or assemblies. These fittings are small in size but large in performance, allowing for streamlining of pneumatic assemblies and eliminating the need for larger, more expensive, cumbersome fittings.



Options

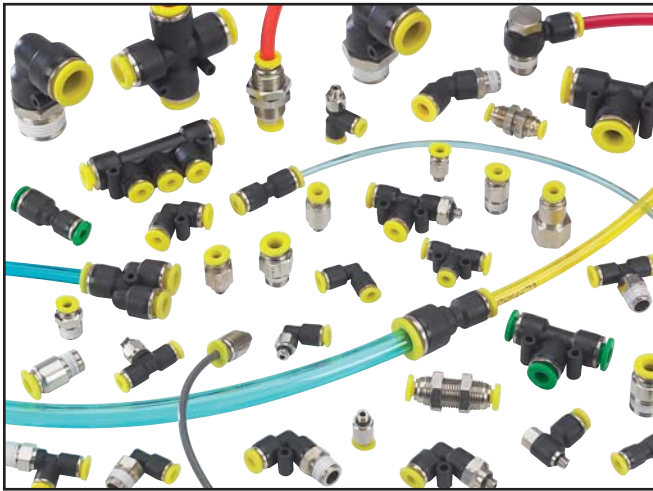
Clippard brass fittings come standard with a bright finish for added corrosion resistance. Most brass fittings are also available with nickel plating. Clippard slip-on fittings come standard with Electroless Nickel Plating. Some fittings are also available with metric threads. Refer to each item in the catalog for available options.



To order a brass fitting with the Electroless Nickel Plating option, add a -ENP following the catalog fitting number. To order a fitting with the M5 metric thread option, add a -M5 following the catalog fitting number.



PUSH-QUICK FITTINGS



Clippard Push-Quick Fittings provide a simple method of connecting pneumatic components to each other and system piping. They are designed for use with both flexible hose and stiff tubing made of nylon, urethane, polyethylene or polypropylene.

- Pressure Range:** 0 - 150 psig @ 130°F
- Vacuum:** 0 to 29.5" Hg
- Temperature Range:** 32 to 140°F
- Media:** Air, Non-corrosive water
- Tube Pull Out Force:** >20 lb. @ 75°F (non-pressurized)
- Burst Pressure:** 350 psig @ 75°F
- Materials:** Body - Plastic Resin
Metal Stud - Nickel Plated Brass
Gripper Ring - Stainless Steel
Seals - Buna-N

Push-Quick Fittings generally provide higher flows than barbed fittings. The Push-Quick fitting allows full flow through the hose/tubing I.D. with no smaller orifice required as in barb fittings. The chart shows the comparison between barb and push in fittings for various tubing/hose sizes. Push-Quick Fittings are available in five sizes for 1/8", 5/32", 6 mm, 1/4" and 3/8" O.D. tubing. The 5/32" fittings may also be used with 4 mm O.D. tubing.

Installation of Tubing into fitting

1. Slowly push a clean and perpendicularly cut tubing into the fitting until it comes to a dead stop.
2. Pull the tubing back gently until the Gripper Ring of the fitting grips onto the tubing and has a good seal.

Removal of Tubing from fitting

1. Push in evenly on the two long oval sides of the Release Button.
2. Pull out the tubing while keeping the Release Button depressed.
3. To reuse the tubing; cut off the lodged portion of the previously used tubing evenly and perpendicularly.

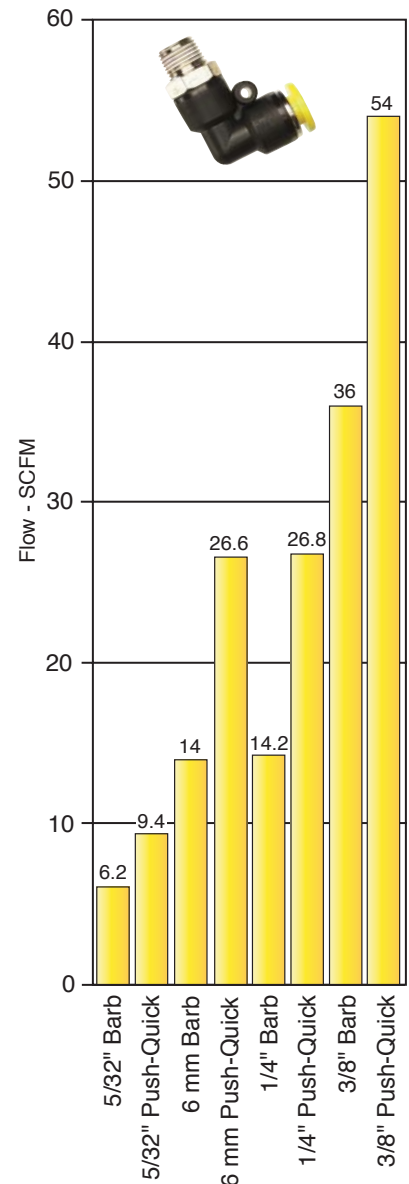
Installation of Pipe Fittings with Pre-Applied sealant

1. Tighten fitting by hand, then turn it 2 or 3 turns with a wrench until it reaches the desired torque listed.
2. If the fitting is used and the sealant coating is not in good condition, apply Teflon® sealant tape to the threads.



* 6 mm size fittings have a green release button

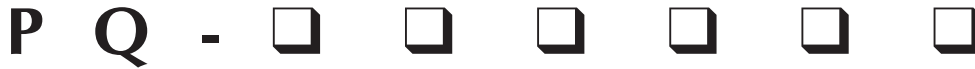
Barb vs Push-Quick Fittings
Flow Comparison @ 100 psig



Thread Size	#10-32	1/8" NPT, R1/8	1/4" NPT, R1/4	3/8" NPT	1/2" NPT
Torque lb. - ft.	1.0 - 1.5	5.0 - 6.5	8.5 - 10.0	16.0 - 17.5	20 - 21.5

Tubing Material	Polyurethane	Polyethylene	Polypropylene	Nylon
Specified Size	+/- 0.005"	+/- 0.004"	+/- 0.004"	+/- 0.004"
Hardness (Durometer)	Shore A85 or higher	Shore D 44 or higher	Shore D 44 or higher	Shore D 44

see pages 319 through 323 for hose and tubing



Fitting Type		Tubing Size (O.D.)		Thread Size
BC - Bulkhead Connector	MA - Male Angle Connector	RU - Reduced Union	04 - 1/8" (0.125")	N - #10-32
BT - Branch Tee	MC - Male Connector	SC - Stem Coupler	04M - 4 mm (0.157")	5 - M5 Thd.
BU - Bulkhead Union	ME - Male Elbow	SE - Stack Elbow	05 - 5/32" (0.156")	6 - M6 Thd.
CC - Compact Male Conn.	MM - Male Manifold	SR - Stem Reducer	06M - 6 mm (0.236")	P - 1/8" NPT
CU - Cross Union	MU - Manifold Union	SU - Straight Union	08 - 1/4" (0.250")	R - R1/8
EE - Extended Elbow	PE - Plug-In Elbow	TU - Tee Union	08M - 8 mm (0.313")	Q - 1/4" NPT
ER - Elbow Reducer	PG - Plug	TR - Tube Reducer	10 - 5/16" (0.313")	2 - R1/4
EU - Elbow Union	RB - Reduced Branch	UE - Universal Elbow	12 - 3/8" (0.375")	W - 3/8" NPT
FC - Female Connector	RT - Run Tee	YC - Y Connector	16 - 1/2" (0.500")	3 - R3/8
FE - Female Elbow		YU - Y Union		Z - 1/2" NPT

Threaded Fittings



Female Connector
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Male Compact Connector
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Male Connector
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Bulkhead Connector
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Male Angle Connector
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Y Connector
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Female Elbow
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Male Elbow
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Extended Elbow
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Universal Elbow
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Stack Elbow
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Run Tee
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Branch Tee
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Manifold Mount
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Non-Threaded Fittings



Straight Union
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Reduced Union
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Elbow Union
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Tee Union
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Y Union
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Cross Union
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Manifold Union
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Bulkhead Union
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Reduced Branch
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Elbow Reducer
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Tube Reducer
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Plug-In Elbow
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Tee Reducer
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Stem Reducer
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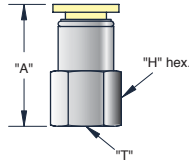
Stem Coupler
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PUSH-QUICK FITTINGS

Female Connector

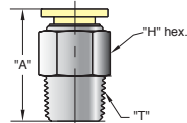
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Tubeing	Thread "T"	Order No.	"A"	"H" Hex.
5/32"	#10-32	PQ-FC05N	0.905"	7/16"
	1/8" NPT	PQ-FC05P	1.080"	9/16"
4 mm*	M5 x 0.8	PQ-FC04M5	0.905"	12 mm
	R1/8	PQ-FC04MR	1.080"	
6 mm*	R1/8	PQ-FC06MR	1.080"	14 mm
	R1/4	PQ-FC06M2	1.100"	17 mm
1/4"	1/8" NPT	PQ-FC08P	1.080"	9/16"
	1/4" NPT	PQ-FC08Q	1.220"	11/16"
5/16"	1/8" NPT	PQ-FC10P	1.170"	11/16"
	1/4" NPT	PQ-FC10Q	1.250"	11/16"
	3/8" NPT	PQ-FC10W	1.260"	7/8"
8 mm*	R1/8	PQ-FC08MR	1.170"	17 mm
	R1/4	PQ-FC08M2	1.170"	17 mm
	R3/8	PQ-FC08M3	1.250"	19 mm
3/8"	1/4" NPT	PQ-FC12Q	1.380"	7/8"
	3/8" NPT	PQ-FC12W		

Male Connector

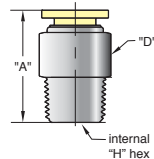
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Tubeing	Thread "T"	Order No.	"A"	"H" Hex.
1/8"	#10-32	PQ-MC04N	0.899"	
	1/8" NPT	PQ-MC04P	0.836"	7/16"
	1/4" NPT	PQ-MC04Q	0.920"	
5/32"	#10-32	PQ-MC05N	0.899"	7/16"
	1/8" NPT	PQ-MC05P	0.836"	7/16"
	1/4" NPT	PQ-MC05Q	0.920"	9/16"
4 mm*	M5 x 0.8	PQ-MC04M5	0.899"	10 mm
	R1/8	PQ-MC04MR	0.836"	
6 mm*	M5 x 0.8	PQ-MC06M5	0.948"	12 mm
	R1/8	PQ-MC06MR	0.878"	12 mm
	R1/4	PQ-MC06M2	0.873"	14 mm
1/4"	#10-32	PQ-MC08N	0.913"	1/2"
	1/8" NPT	PQ-MC08P	0.913"	1/2"
	1/4" NPT	PQ-MC08Q	0.965"	9/16"
	3/8" NPT	PQ-MC08W	0.965"	11/16"
5/16"	1/8" NPT	PQ-MC10P	1.090"	9/16"
	1/4" NPT	PQ-MC10Q	1.050"	9/16"
	3/8" NPT	PQ-MC10W	1.060"	11/16"
8 mm*	M5 x 0.8	PQ-MC08M5	1.030"	14 mm
	R1/8	PQ-MC08MR	1.030"	14 mm
	R1/4	PQ-MC08M2	1.060"	14 mm
	R3/8	PQ-MC08M3	0.950"	17 mm
3/8"	1/8" NPT	PQ-MC12P	1.280"	11/16"
	1/4" NPT	PQ-MC12Q	1.342"	11/16"
	3/8" NPT	PQ-MC12W	1.241"	11/16"
	1/2" NPT	PQ-MC12Z	1.240"	7/8"
1/2"	1/4" NPT	PQ-MC16Q	1.342"	11/16"
	3/8" NPT	PQ-MC16W	1.241"	11/16"
	1/2" NPT	PQ-MC16Z	1.240"	7/8"

Male Compact Connector

(10/pack)



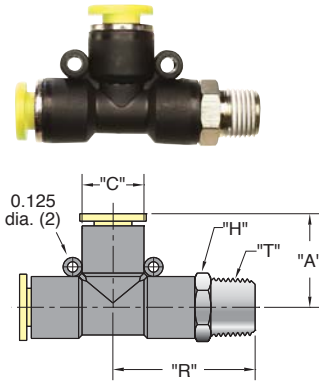
Tubeing	Thread "T"	Order No.	"A"	"D" Dia.	"H" Hex.
1/8"	#10-32	PQ-CC04N	0.880"	0.410"	5/64"
	1/8" NPT	PQ-CC04P	0.860"		3/32"
5/32"	#10-32	PQ-CC05N	0.890"	0.400"	5/64"
	1/8" NPT	PQ-CC05P	0.840"		3/32"
1/4"	#10-32	PQ-CC08N	0.910"	0.470"	5/64"
	1/8" NPT	PQ-CC08P	0.910"		5/32"
	1/4" NPT	PQ-CC08Q	0.970"		5/32"
3/8"	1/4" NPT	PQ-CC12Q	1.340"	0.670"	7/32"
	3/8" NPT	PQ-CC12W	1.240"		5/16"

* Fittings have a green release button.

Note: Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.

Run Tee

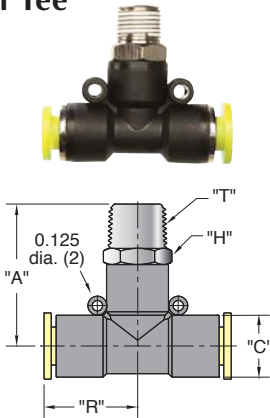
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Tube	Thread "T"	Order No.	"A"	"C"	"H" Hex.	"R"
1/8"	1/8" NPT	PQ-RT04P	0.722"	0.410"	7/16"	0.980"
5/32"	#10-32 1/8" NPT	PQ-RT05N PQ-RT05P	0.722"	0.410"	7/16"	0.900" 0.980"
4 mm*	M5 x 0.8 R1/8	PQ-RT04M5 PQ-RT04MR	0.722"	0.410"	10 mm	0.900" 0.980"
6 mm*	M5 x 0.8 R1/8 R1/4	PQ-RT06M5 PQ-RT06MR PQ-RT06M2	0.830"	0.524"	12 mm 12 mm 14 mm	1.030" 1.100" 1.140"
1/4"	#10-32 1/8" NPT 1/4" NPT	PQ-RT08N PQ-RT08P PQ-RT08Q	0.840"	0.524"	1/2" 1/2"	1.030" 1.100" 1.230"
5/16"	1/8" NPT 1/4" NPT 3/8" NPT	PQ-RT10P PQ-RT10Q PQ-RT10W	0.880"	0.580"	9/16" 9/16" 11/16"	1.100" 1.230" 1.290"
8 mm*	R1/8 R1/4 R3/8	PQ-RT08MR PQ-RT08M2 PQ-RT08M3	0.880"	0.580"	14 mm	1.290"
3/8"	1/8" NPT 1/4" NPT 3/8" NPT	PQ-RT12P PQ-RT12Q PQ-RT12W	1.100"	0.720"	11/16"	1.380" 1.470" 1.500"

Branch Tee

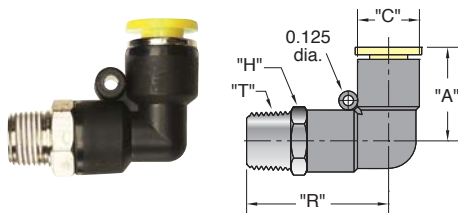
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Tube	Thread "T"	Order No.	"A"	"C"	"H" Hex.	"R"
5/32"	#10-32 1/8" NPT	PQ-BT05N PQ-BT05P	0.900" 0.980"	0.410"	7/16"	0.722"
4 mm*	M5 x 0.8 R1/8	PQ-BT04M5 PQ-BT04MR	0.900" 0.980"	0.410"	10 mm	0.722"
6 mm*	M5 x 0.8 R1/8 R1/4	PQ-BT06M5 PQ-BT06MR PQ-BT06M2	1.030" 1.100" 1.140"	0.524"	12 mm 12 mm 14 mm	0.830"
1/4"	#10-32 1/8" NPT 1/4" NPT	PQ-BT08N PQ-BT08P PQ-BT08Q	1.030" 1.100" 1.230"	0.524"	1/2" 1/2"	0.840"
5/16"	1/8" NPT 1/4" NPT	PQ-BT10P PQ-BT10Q	1.100" 1.230"	0.580"	9/16"	0.880"
8 mm*	R1/8 R1/4 R3/8	PQ-BT08MR PQ-BT08M2 PQ-BT08M3	1.290"	0.580"	14 mm	0.880"
3/8"	1/8" NPT 1/4" NPT 3/8" NPT	PQ-BT12P PQ-BT12Q PQ-BT12W	1.290" 1.470" 1.500"	0.720"	11/16"	1.100"

Male Elbow

(10/pack)



Tube	Thread "T"	Order No.	"A"	"C"	"H" Hex.	"R"
1/8"	#10-32 1/8" NPT	PQ-ME04N PQ-ME04P	0.722"	0.410"	7/16"	0.900" 0.980"
5/32"	#10-32 1/8" NPT 1/4" NPT	PQ-ME05N PQ-ME05P PQ-ME05Q	0.722"	0.410"	7/16"	0.900" 0.980" 1.130"
4 mm*	M5 x 0.8 R1/8	PQ-ME04M5 PQ-ME04MR	0.722"	0.410"	10 mm	0.900" 0.980"
6 mm*	M5 x 0.8 R1/8 R1/4	PQ-ME06M5 PQ-ME06MR PQ-ME06M2	0.830"	0.524"	12 mm 12 mm 14 mm	1.030" 1.100" 1.140"
1/4"	#10-32 1/8" NPT 1/4" NPT 3/8" NPT	PQ-ME08N PQ-ME08P PQ-ME08Q PQ-ME08W	0.840"	0.524"	1/2" 1/2" 9/16" 11/16"	1.030" 1.100" 1.230" 1.290"
5/16"	1/8" NPT 1/4" NPT 3/8" NPT	PQ-ME10P PQ-ME10Q PQ-ME10W	0.880"	0.580"	9/16" 9/16" 11/16"	1.100" 1.230" 1.290"
8 mm*	R1/8 R1/4 R3/8	PQ-ME08MR PQ-ME08M2 PQ-ME08M3	0.880"	0.580"	14 mm	1.290"
3/8"	1/8" NPT 1/4" NPT 3/8" NPT 1/2" NPT	PQ-ME12P PQ-ME12Q PQ-ME12W PQ-ME12Z	1.100"	0.720"	11/16" 11/16" 11/16" 7/8"	1.350" 1.470" 1.500" 1.600"
1/2"	1/4" NPT 3/8" NPT 1/2" NPT	PQ-ME16Q PQ-ME16W PQ-ME16Z	1.160"	0.850"	7/8"	1.550" 1.580" 1.670"

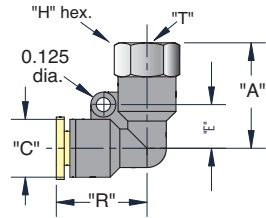
* Fittings have a green release button.
Note: Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.



PUSH-QUICK FITTINGS

Female Elbow

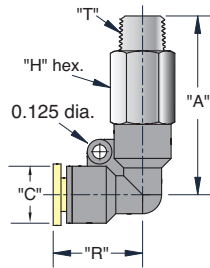
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Tubeing	Thread "T"	Order No.	"A"	"C"	"H" Hex.	"R"
1/8"	#10-32	PQ-FE04N	0.830"	0.410"	7/16"	0.720"
	1/8" NPT	PQ-FE04P	0.950"			
5/32"	#10-32	PQ-FE05N	0.850"	0.410"	7/16"	0.722"
	1/8" NPT	PQ-FE05P	0.990"			
	1/4" NPT	PQ-FE05Q	0.980"			
1/4"	#10-32	PQ-FE08N	0.940"	0.524"	7/16"	0.840"
	1/8" NPT	PQ-FE08P	1.030"			
	1/4" NPT	PQ-FE08Q	1.190"			
5/16"	1/8" NPT	PQ-FE10P	1.120"	0.580"	7/16"	0.900"
	1/4" NPT	PQ-FE10Q	1.220"			
3/8"	1/4" NPT	PQ-FE12Q	1.390"	0.720"	11/16"	1.100"
	3/8" NPT	PQ-FE12W	1.420"			

Extended Elbow

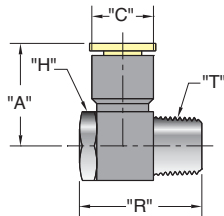
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Tubeing	Thread "T"	Order No.	"A"	"C"	"H" Hex.	"R"	
5/32"	#10-32	PQ-EE05N	0.722"	0.410"	7/16"	1.360"	
	1/8" NPT	PQ-EE05P					1.480"
1/4"	1/8" NPT	PQ-EE08P	0.840"	0.524"	9/16"	1.640"	
	1/4" NPT	PQ-EE08Q					1.820"
	1/2" NPT	PQ-EE08W					1.940"
5/16"	1/8" NPT	PQ-EE10P	0.900"	0.580"	9/16"	1.810"	
	1/4" NPT	PQ-EE10Q					2.010"
	3/8" NPT	PQ-EE10W					2.170"
	1/4" NPT	PQ-EE12Q					2.170"
3/8"	3/8" NPT	PQ-EE12W	1.100"	0.720"	11/16"	2.170"	
	1/2" NPT	PQ-EE12Z					2.560"
1/2"	3/8" NPT	PQ-EE16W	1.160"	0.850"	11/16"	2.470"	
	1/2" NPT	PQ-EE16Z					2.600"

Universal Elbow

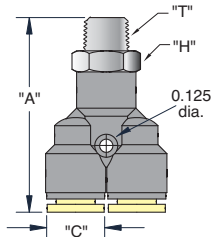
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Tubeing	Thread "T"	Order No.	"A"	"C"	"R"	"H" Hex.	
5/32"	#10-32	PQ-UE05N	0.820"	0.410"	0.790"	5/16"	
	1/8" NPT	PQ-UE05P					1.020"
4 mm*	M5 x 0.8	PQ-UE04M5	0.831"	0.410"	0.790"	8 mm	
	R1/8	PQ-UE04MR					0.921"
6 mm*	M5 x 0.8	PQ-UE06M5	0.976"	0.953"	0.790"	12 mm	
	R1/8	PQ-UE06MR					0.970"
	R1/4	PQ-UE06M2					1.140"
1/4"	#10-32	PQ-UE08N	0.990"	0.524"	0.790"	1/2"	
	1/8" NPT	PQ-UE08P					1.020"
	1/4" NPT	PQ-UE08Q					1.150"
5/16"	1/8" NPT	PQ-UE10P	1.120"	0.580"	1.020"	9/16"	
	1/4" NPT	PQ-UE10Q					1.150"
	3/8" NPT	PQ-UE10W					1.430"
8 mm*	R1/8	PQ-UE08MR	1.120"	0.580"	1.000"	14 mm	
	R1/4	PQ-UE08M2					1.140"
	R3/8	PQ-UE08M3					1.410"
3/8"	1/4" NPT	PQ-UE12Q	1.320"	0.720"	1.180"	11/16"	
	3/8" NPT	PQ-UE12W					1.430"

Y Connector

(5/pack)



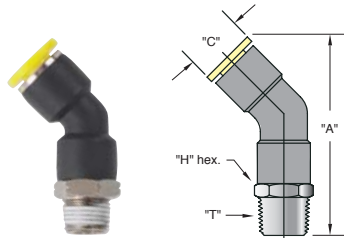
Tubeing	Thread "T"	Order No.	"A"	"C"	"H" Hex.	
1/8"	#10-32	PQ-YC04N	1.630"	0.410"	7/16"	
	1/8" NPT	PQ-YC04P				1.660"
5/32"	#10-32	PQ-YC05N	1.630"	0.410"	7/16"	
	1/8" NPT	PQ-YC05P				1.660"
1/4"	#10-32	PQ-YC08N	1.690"	0.524"	1/2"	
	1/8" NPT	PQ-YC08P				1.770"
	1/4" NPT	PQ-YC08Q				1.830"
5/16"	1/8" NPT	PQ-YC10P	1.830"	0.580"	9/16"	
	1/4" NPT	PQ-YC10Q				1.900"
3/8"	1/4" NPT	PQ-YC12Q	2.340"	0.720"	11/16"	
	3/8" NPT	PQ-YC12W				2.400"
1/2"	3/8" NPT	PQ-YC16W	2.500"	0.850"	7/8"	
	1/2" NPT	PQ-YC16Z				2.600"

* Fittings have a green release button.

Note: Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.

Male Angle Connector

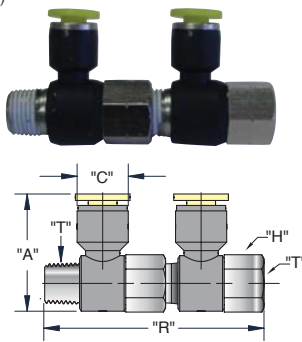
(10/pack)



Tubing	Thread "T"	Order No.	"H" Hex.	"A"	"C"
1/8"	#10-32 1/8" NPT	PQ-MA04N PQ-MA04P	7/16"	1.454" 1.474"	0.410"
5/32"	#10-32 1/8" NPT	PQ-MA05N PQ-MA05P	7/16"	1.454" 1.474"	0.410"
4 mm*	M5 x 0.8 R1/8	PQ-MA04M5 PQ-MA04MR	10 mm	1.454" 1.474"	0.410"
6 mm*	M5 x 0.8 R1/8 R1/4	PQ-MA06M5 PQ-MA06MR PQ-MA06M2	12 mm 10 mm 14 mm	1.556" 1.556" 1.616"	0.520"
1/4"	#10-32 1/8" NPT 1/4" NPT 3/8" NPT	PQ-MA08N PQ-MA08P PQ-MA08Q PQ-MA08W	1/2" 1/2" 9/16" 11/16"	1.620" 1.620" 1.682" 1.722"	0.520"
5/16"	1/8" NPT 1/4" NPT	PQ-MA10P PQ-MA10Q	9/16"	1.800"	0.580"
3/8"	1/8" NPT 1/4" NPT 3/8" NPT	PQ-MA12P PQ-MA12Q PQ-MA12W	11/16"	1.823" 1.923" 1.943"	0.720"
1/2"	1/4" NPT 3/8" NPT 1/2" NPT	PQ-MA16Q PQ-MA16W PQ-MA16Z	7/8"	1.965" 2.125" 2.195"	0.830"

Stack Elbow

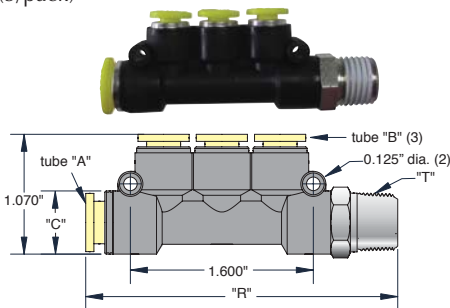
(5/pack)



Tubing	Thread "T"	Order No.	"A"	"C"	"R"	"H" Hex.
5/32"	#10-32 1/8" NPT	PQ-SE05N PQ-SE05P	0.980" 1.095"	0.410"	1.435"	5/16" 5/16"
1/4"	#10-32 1/8" NPT 1/4" NPT	PQ-SE08N PQ-SE08P PQ-SE08Q	1.165" 1.200" 1.365"	0.524"	2.250"	1/2" 1/2" 11/16"
5/16"	1/4" NPT 3/8" NPT	PQ-SE10Q PQ-SE10W	1.425" 1.570"	0.580"	2.600"	11/16"
3/8"	1/4" NPT 3/8" NPT	PQ-SE12Q PQ-SE12W	1.625" 1.690"	0.720"	2.900"	3/4"
1/2"	3/8" NPT 1/2" NPT	PQ-SE16W PQ-SE16Z	1.740" 1.950"	0.850"	2.970"	3/4" 1"

Manifold Mount

(5/pack)



Tube "A"	Tube "B"	Thread "T"	Order No.	"C"	"R"
1/4"	5/32"	1/8" NPT	PQ-MM0805P	0.524"	2.665"
5/16"	1/4"	1/4" NPT	PQ-MM1008Q	0.580"	2.820"



Send me a **FREE** full-line catalog!

* Fittings have a green release button.

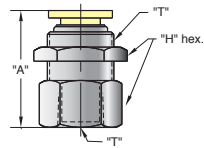
Note: Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.



PUSH-QUICK FITTINGS

Bulkhead Connector

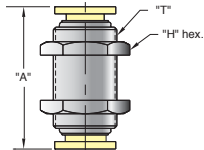
(5/pack)



Tube	Thread "T"	Order No.	"A"	"H" Hex.
1/8"	1/8" NPT	PQ-BC04P	1.474"	9/16"
5/32"	1/8" NPT	PQ-BC05P	1.052"	5/8"
4 mm*	R1/8	PQ-BC04MR	1.052"	14 mm
6 mm*	R1/8	PQ-BC06MR	1.134"	17 mm"
	R1/4	PQ-BC06M2	1.150"	
1/4"	1/8" NPT	PQ-BC08P	1.084"	3/4"
	1/4" NPT	PQ-BC08Q	1.209"	
5/16"	1/8" NPT	PQ-BC10P	1.610"	3/4"
	1/4" NPT	PQ-BC10Q		
8 mm*	R1/8	PQ-BC08MR	1.610"	19 mm
	R1/4	PQ-BC08M2		
3/8"	1/4" NPT	PQ-BC12Q	1.280"	15/16"
	3/8" NPT	PQ-BC12W	1.372"	
1/2"	1/2" NPT	PQ-BC16Z	1.570"	1"

Bulkhead Union

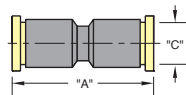
(5/pack)



Tube	Thread "T"	Order No.	"A"	"H" Hex.
1/8"	M12 x 1	PQ-BU04	0.415"	14 mm
5/32"	M12 x 1	PQ-BU05	1.370"	5/8"
6 mm*	M14 x 1	PQ-BU06M	1.390"	17 mm
1/4"	M14 x 1	PQ-BU08	1.421"	3/4"
5/16"	M16 x 1	PQ-BU10	1.610"	3/4"
3/8"	M20 x 1	PQ-BU12	1.723"	15/16"
1/2"	M22 x 1	PQ-BU16	1.770"	1"

Straight Union

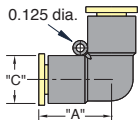
(10/pack)



Tube	Order No.	"A"	"C"
1/8"	PQ-SU04	1.240"	0.410"
5/32"	PQ-SU05	1.239"	0.410"
6 mm*	PQ-SU06M	1.500"	0.524"
1/4"	PQ-SU08	1.500"	0.524"
5/16"	PQ-SU10	1.540"	0.580"
3/8"	PQ-SU12	1.851"	0.720"
1/2"	PQ-SU16	1.810"	0.850"

Elbow Union

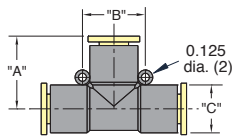
(10/pack)



Tube	Order No.	"A"	"C"
1/8"	PQ-EU04	0.710"	0.410"
5/32"	PQ-EU05	0.722"	0.410"
6 mm*	PQ-EU06M	0.830"	0.524"
1/4"	PQ-EU08	0.840"	0.524"
5/16"	PQ-EU10	0.880"	0.580"
3/8"	PQ-EU12	1.100"	0.720"
1/2"	PQ-EU16	1.130"	0.850"

Tee Union

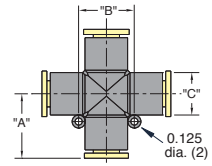
(10/pack)



Tube	Order No.	"A"	"B"	"C"
1/8"	PQ-TU04	0.710"	0.656"	0.410"
5/32"	PQ-TU05	0.722"	0.656"	0.410"
6 mm*	PQ-TU06M	0.830"	0.740"	0.524"
1/4"	PQ-TU08	0.840"	0.740"	0.524"
5/16"	PQ-TU10	0.880"	0.800"	0.580"
3/8"	PQ-TU12	1.100"	0.944"	0.720"
1/2"	PQ-TU16	1.130"	1.120"	0.850"

Cross Union

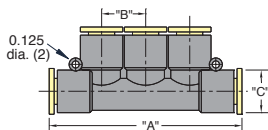
(5/pack)



Tube	Order No.	"A"	"B"	"C"
1/8"	PQ-CU04	0.710"	0.560"	0.410"
5/32"	PQ-CU05	0.722"	0.656"	0.410"
6 mm*	PQ-CU06M	0.830"	0.740"	0.524"
1/4"	PQ-CU08	0.840"	0.740"	0.524"
5/16"	PQ-CU10	0.880"	0.800"	0.580"
3/8"	PQ-CU12	1.100"	0.944"	0.720"

Manifold Union

(5/pack)



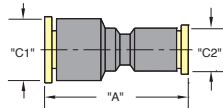
Tube	Order No.	"A"	"B"	"C"
5/32"	PQ-MU0504	2.312"	0.500"	0.560"
6 mm*	PQ-MU06M05	2.435"	0.531"	0.524"
1/4"	PQ-MU0805	2.435"	0.531"	0.524"
5/16"	PQ-MU1008	2.435"	0.580"	0.580"
3/8"	PQ-MU1208	2.312"	0.562"	0.725"

Note:
Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.

* Fittings have a green release button

Reduced Union

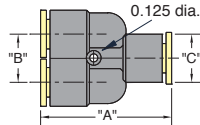
(10/pack)



Tube	Order No.	"A"	"C1"	"C2"
5/32"-1/8"	PQ-RU0504	1.230"	0.410"	0.410"
6 mm*-5/32"	PQ-RU06M05	1.367"	0.524"	0.410"
1/4"-1/8"	PQ-RU0804	1.367"	0.524"	0.410"
5/16"-1/4"	PQ-RU1008	1.550"	0.580"	0.524"
3/8"-1/4"	PQ-RU1208	1.666"	0.720"	0.524"
1/2"-3/8"	PQ-RU1612	1.810"	0.850"	0.720"

Y Union

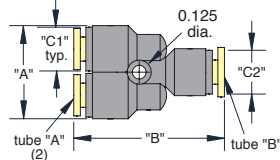
(5/pack)



Tube	Order No.	"A"	"B"	"C"
1/8"	PQ-YU04	1.340"	0.415"	0.410"
5/32"	PQ-YU05	1.318"	0.517"	0.410"
6 mm*	PQ-YU06M	1.495"	0.531"	0.524"
1/4"	PQ-YU08	1.495"	0.531"	0.524"
5/16"	PQ-YU10	1.495"	0.590"	0.580"
3/8"	PQ-YU12	2.017"	0.720"	0.720"
1/2"	PQ-YU16	2.070"	0.840"	0.840"

Reduced Branch

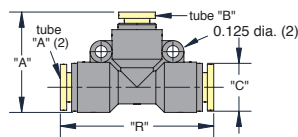
(5/pack)



Tube "A"	Tube "B"	Order No.	"A"	"B"	"C1"	"C2"
1/8"	5/32"	PQ-RB0504	0.830"	1.340"	0.420"	0.410"
5/32"	1/4"	PQ-RB0805	0.830"	1.390"	0.410"	0.524"
1/4"	5/16"	PQ-RB1008	1.025"	1.670"	0.524"	0.580"
1/4"	3/8"	PQ-RB1208	1.025"	1.780"	0.524"	0.720"
3/8"	1/2"	PQ-RB1612	1.420"	2.050"	0.720"	0.850"

Tee Reducer

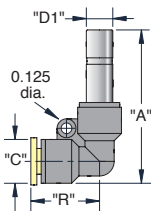
(5/pack)



Tube "A"	Tube "B"	Order No.	"A"	"C"	"R"
5/32"	1/8"	PQ-TR0504	0.910"	0.410"	1.385"
1/4"	5/32"	PQ-TR0805	1.050"	0.524"	1.570"
5/16"	1/4"	PQ-TR1008	1.170"	0.580"	1.835"
3/8"	1/4"	PQ-TR1208	1.380"	0.720"	2.160"
1/2"	3/8"	PQ-TR1612	1.600"	0.850"	2.240"

Elbow Reducer

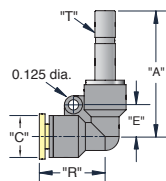
(5/pack)



Tube	Order No.	"A"	"C"	"D1"	"R"
1/8"	PQ-ER0405	1.480"	0.420"	5/32"	0.710"
5/32"	PQ-ER0508	1.640"	0.410"	1/4"	0.722"
1/4"	PQ-ER0810	1.765"	0.524"	5/16"	0.840"
5/16"	PQ-ER1012	2.020"	0.580"	3/8"	0.880"
3/8"	PQ-ER1216	2.260"	0.720"	1/2"	1.100"

Plug-In Elbow

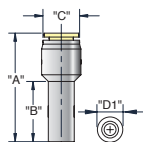
(5/pack)



Tube	Order No.	"A"	"C"	"E"	"R"
1/8"	PQ-PE04	1.290"	0.410"	0.328"	0.722"
5/32"	PQ-PE05	1.290"	0.410"	0.328"	0.722"
1/4"	PQ-PE08	1.550"	0.524"	0.370"	0.840"
5/16"	PQ-PE10	1.600"	0.580"	0.430"	0.900"
3/8"	PQ-PE12	1.850"	0.720"	0.472"	1.100"
1/2"	PQ-PE16	1.940"	0.850"	0.570"	1.160"

Tube Reducer (Stem)

(10/pack)



Tube	Order No.	"A"	"B"	"C"	"D1" Dia.
1/8"	PQ-TRS0405	1.320"	0.690"	0.410"	5/32"
5/32"	PQ-TRS0508	1.400"	0.810"	0.524"	1/4"
1/4"	PQ-TRS0810	1.480"	0.850"	0.580"	5/16"
1/4"	PQ-TRS0812	1.610"	0.990"	0.720"	3/8"
3/8"	PQ-TRS1216	1.730"	0.990"	0.850"	1/2"

* Fittings have a green release button.

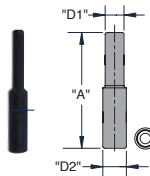
Note: Fittings with pipe thread NPT, R1/8, R1/4 and R3/8 are supplied with pre-applied sealant.



PUSH-QUICK FITTINGS

Stem Reducer

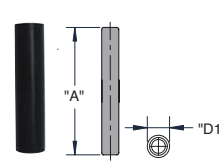
(10/pack)



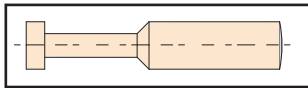
Tubing	Order No.	"A"	"D1"	"D2"
1/8"	PQ-SR0405	1.417"	1/8"	5/32"
5/32"	PQ-SR0508	1.417"	5/32"	1/4"
1/4"	PQ-SR0810	1.535"	1/4"	5/16"
5/16"	PQ-SR1012	1.811"	5/16"	3/8"
3/8"	PQ-SR1216	2.126"	3/8"	1/2"

Stem Coupler

(10/pack)



Tubing	Order No.	"A"	"D1" Dia.
1/8"	PQ-SC04	1.378"	1/8"
5/32"	PQ-SC05	1.378"	5/32"
1/4"	PQ-SC08	1.457"	1/4"



Push-Quick Plugs

Clippard offers a variety of Push-Quick Plugs in sizes to fit 1/8" through 3/8" O.D.,

tubing. These plastic plugs may be used to plug the port of a Push-Quick Fitting for later use. Used as a temporary

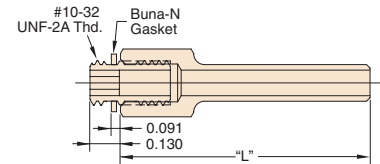
plug, they may later be removed and tubing inserted to connect to an additional line of a circuit.

Part No.	Description	Part No.	Description
PQ-PG04	1/8" O.D. Tube	PQ-PG08	1/4" O.D. Tube
PQ-PG05	5/32" O.D. Tube	PQ-PG10	5/16" O.D. Tube
PQ-PG06M	6 mm O.D. Tube	PQ-PG12	3/8" O.D. Tube

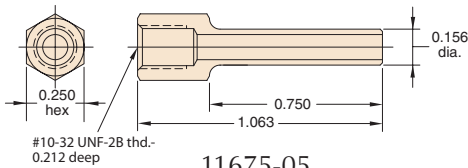
Push-Quick Fitting Adapters

Clippard offers a variety of accessories that are designed for use with Push-Quick Fittings. These include special #10-32 threaded adapters in both male (p/n 11674) and female (p/n 11675) thread configurations and adapters that can be used to plug a Push-Quick fitting.

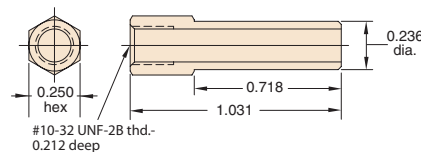
The threaded adapters insert into Push-Quick Fittings and provide either a male or female thread that can be used to mount any Clippard product with a #10-32 threaded inlet. This allows the direct attachment of the product to a Push-Quick Fitting without hoses or additional fittings.



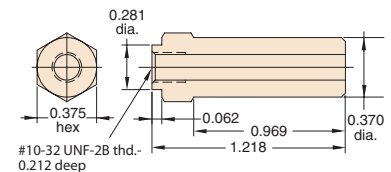
Part No.	"L"	Tube Size
11674-05	1.063"	5/32" OD
11674-08	1.031"	1/4" OD
11674-12	1.218"	3/8" OD



[11675-05](#)
5/32" O.D. Tube



[11675-08](#)
1/4" O.D. Tube

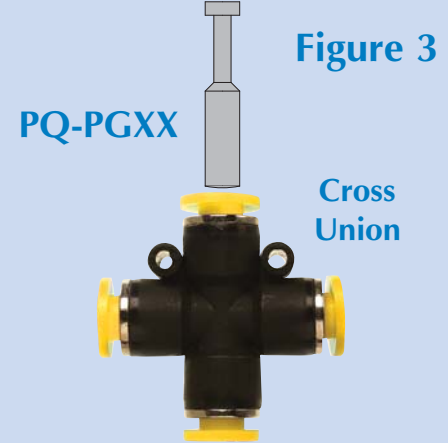


[11675-12](#)
3/8" O.D. Tube

Figure 1 shows an [MAV-3](#) 3-Way Valve connected to a [PQ-RT05P](#) Run Tee using a [11674-05](#) Adapter. In this example, the Run Tee is connected to a 1/8" NPT supply pipe.

Figure 2 shows an [IND-1M-WH](#) Pressure Indicator connected to a [PQ-TU08](#) Tee Union using a [11675-08](#) Adapter. If one of the branches of a Push-Quick Fitting is to be used as a temporary pressure gauge port, the PQ-PGXX series of Plugs can be used when the gauge is not in place. Plugs may also be used if Push-Quick Fitting branches are intended for future additions to the circuit, but have no current need.

Figure 3 shows a PQ-CU Cross Union with one branch plugged with a [PQ-PG08](#) Plug.





Minimatic slip-on fittings provide a flexible, easy alternative to ferrule and push-to-connect design fittings.

Clippard Minimatic slip-on fittings are designed to be used with Clippard urethane hose. The flexibility and strength of urethane hose and the compact design of the fittings are ideal for pneumatic applications where convenience and size are considerations. The Minimatic slip-on fitting used with Clippard urethane hose will provide a leak free connection that will hold well beyond the working pressure of the hose without the need for additional clamps.







Minimatic slip-on fittings are available in a wide variety of

configurations in a number of styles including tee, connectors, crosses, swivel, and universal. Barb sizes can be mixed on the same fitting for applications requiring multiple tubing sizes. The electroless nickel plating of Minimatic slip-on fittings provides corrosion resistance in applications involving high moisture, while enabling the fittings to retain their original, lustrous appearance. Buna-N gasket included with #10-32 threads except when ordered in bulk.







Features

- Single barb design for quick and easy positive seal
- Miniature size provides low profile
- Multiple configurations for every need
- Brass Electroless nickel plating
- Available with 1/16", 3/32" or 1/8" hose barb
- Available with #10-32 thread and 1/8" NPT
- Holds to the burst pressure of polyurethane hose

CONNECTOR FITTINGS

<p>C22</p>  <p>(2) 1/16" I.D. hose barb 0.656 1/4" sq.</p>	<p>C32</p>  <p>3/32" I.D. hose barb 0.684 1/4" sq. 1/16" I.D. hose barb</p>	<p>C33</p>  <p>(2) 3/32" I.D. hose barb 0.712 1/4" sq.</p>
<p>C42</p>  <p>1/16" I.D. hose barb 0.734 1/4" sq. 1/8" I.D. hose barb</p>	<p>C43</p>  <p>3/32" I.D. hose barb 0.762 1/4" sq. 1/8" I.D. hose barb</p>	<p>C44</p>  <p>0.812 1/4" hex. (2) 1/8" I.D. hose barb</p>

#10-32 to Hose Connectors

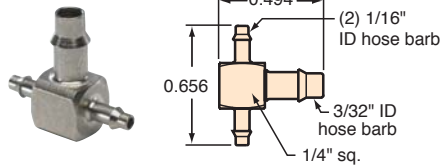
<p>CT2</p> <p>Gasket comes pre-installed</p>  <p>1/16" I.D. hose barb 0.484 1/4" hex. #10-32 thd.</p>	<p>CT3</p> <p>Gasket comes pre-installed</p>  <p>3/32" I.D. hose barb 0.523 1/4" hex. #10-32 thd.</p>	<p>CT4</p> <p>Gasket comes pre-installed</p>  <p>1/8" I.D. hose barb 0.562 1/4" hex. #10-32 thd.</p>
<p>CT0-2</p> <p>Gasket included. Not installed</p>  <p>1/4" sq. 0.468 1/16" I.D. hose barb #10-32 thd.</p>	<p>CT0-3</p> <p>Gasket included. Not installed</p>  <p>1/4" sq. 0.468 0.493 3/32" I.D. hose barb #10-32 thd.</p>	<p>CT0-4</p> <p>Gasket included. Not installed</p>  <p>1/4" sq. 0.468 0.538 1/8" I.D. hose barb #10-32 thd.</p>



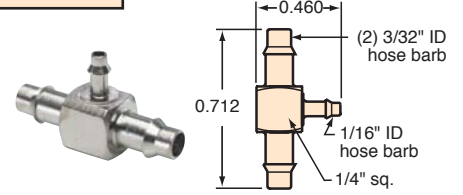
MINIMATIC® SLIP-ON FITTINGS

"T" FITTINGS

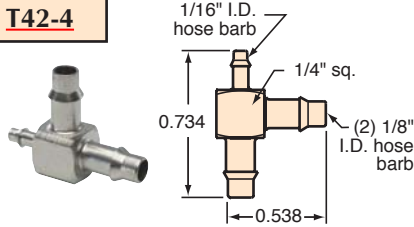
T22-3



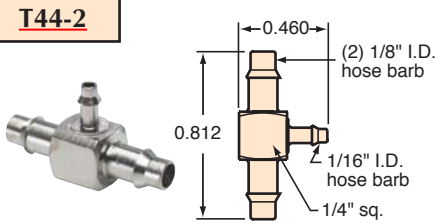
T33-2



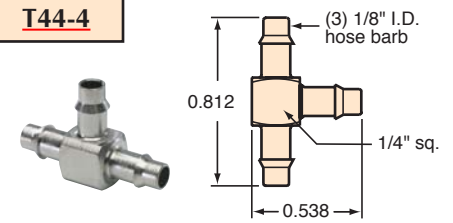
T42-4



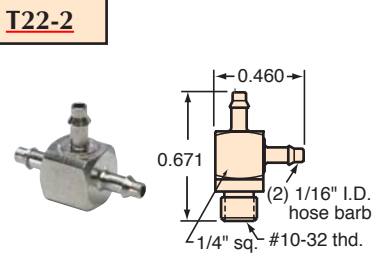
T44-2



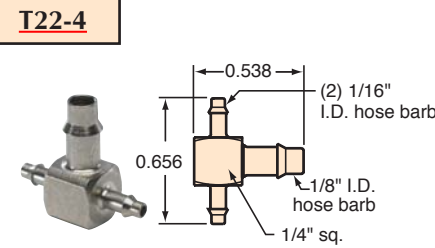
T44-4



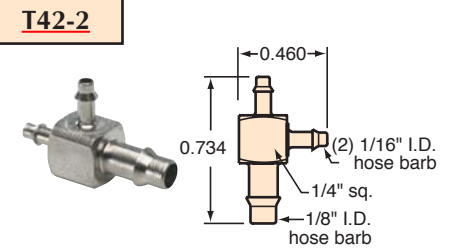
T22-2



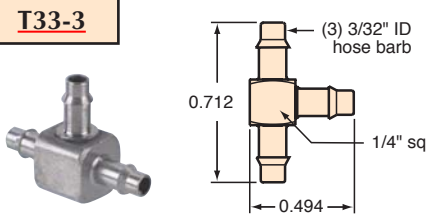
T22-4



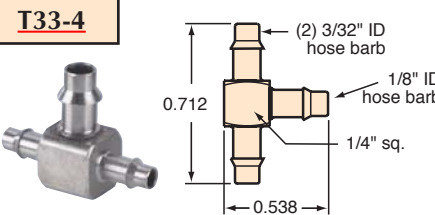
T42-2



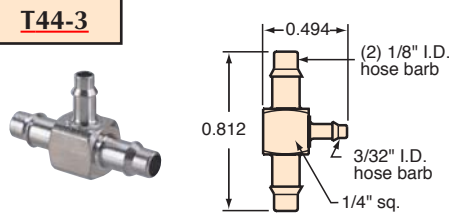
T33-3



T33-4



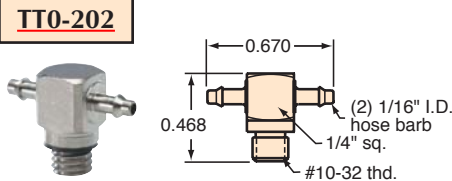
T44-3



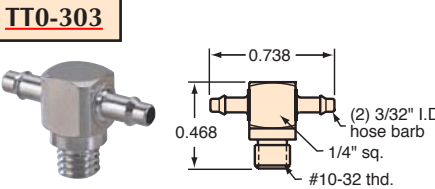
#10-32 to "T" Fittings

Gasket: Buna-N gasket included (not installed)

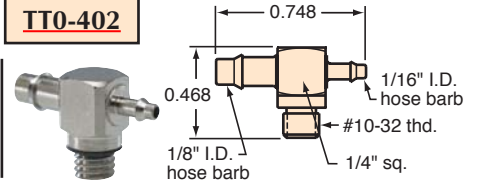
TT0-202



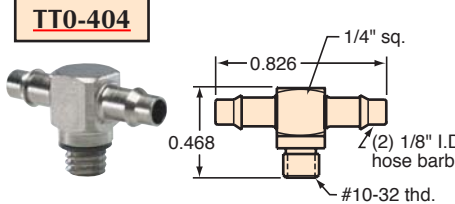
TT0-303



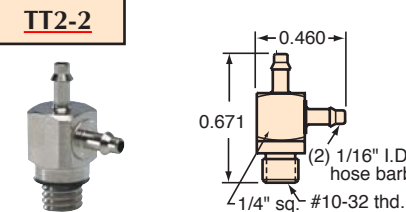
TT0-402



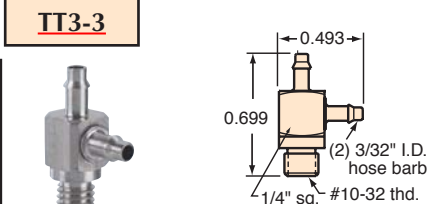
TT0-404



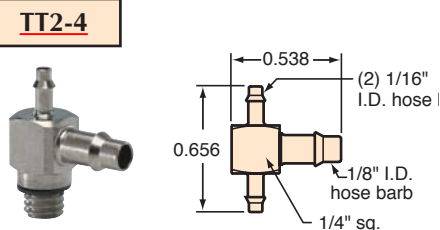
TT2-2



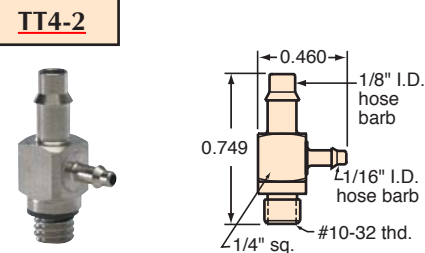
TT3-3



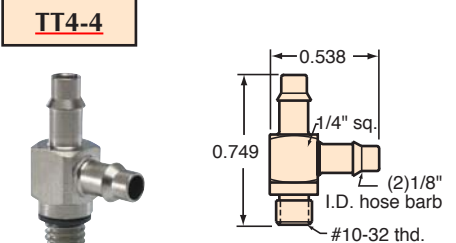
TT2-4



TT4-2

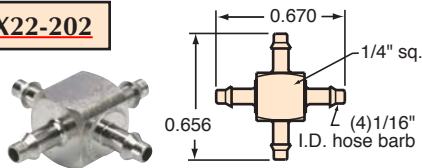


TT4-4

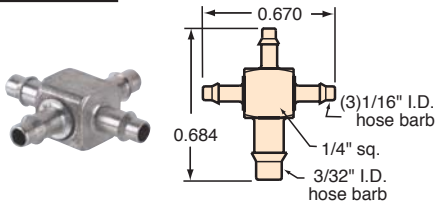


"X" FITTINGS

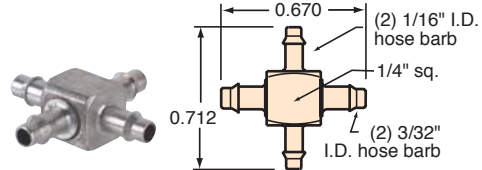
X22-202



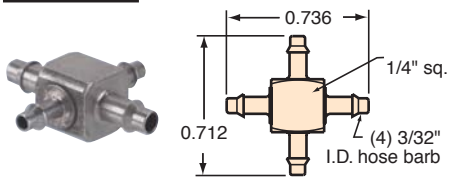
X32-202



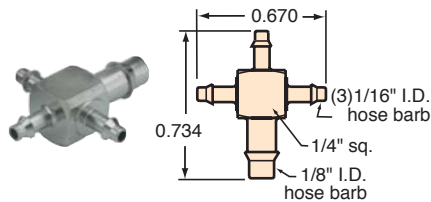
X33-202



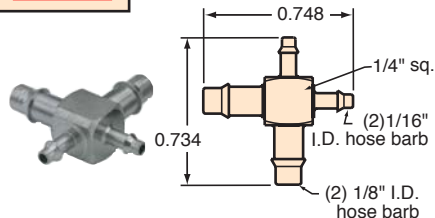
X33-303



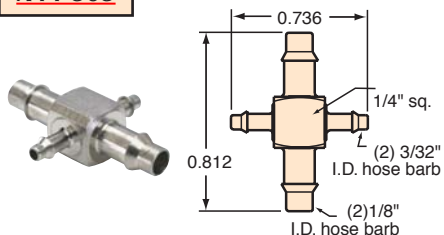
X42-202



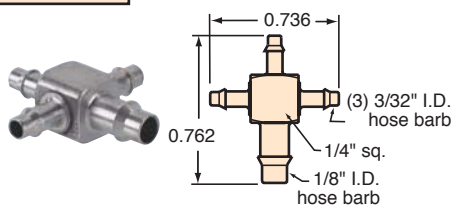
X42-402



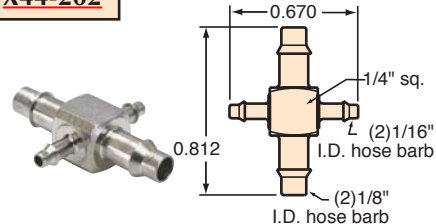
X44-303



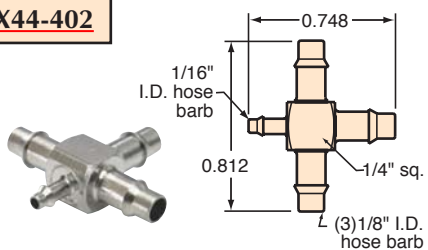
X43-303



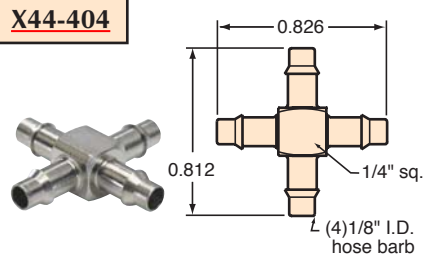
X44-202



X44-402



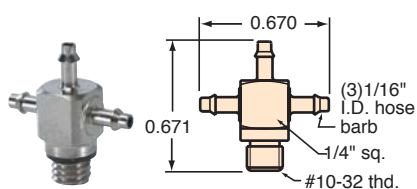
X44-404



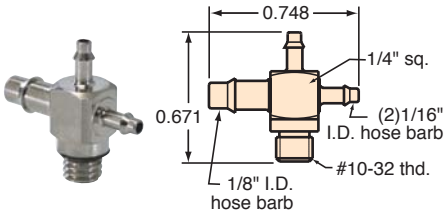
#10-32 to Hose "X" Fittings

Gasket: Buna-N gasket included (not installed)

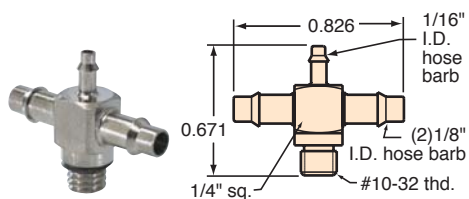
XT2-202



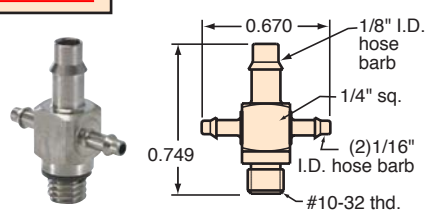
XT2-402



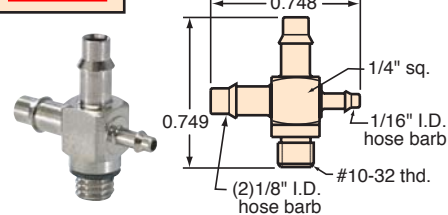
XT2-404



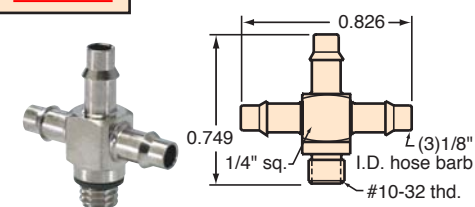
XT4-202



XT4-402



XT4-404





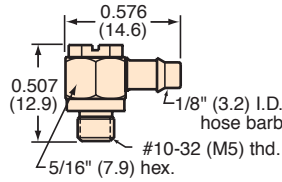
MINIMATIC® SLIP-ON FITTINGS

UNIVERSAL FITTINGS

Buna-N o-ring included with universal fittings

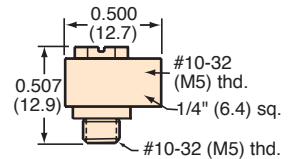
UT0-4

UT0-4-M5



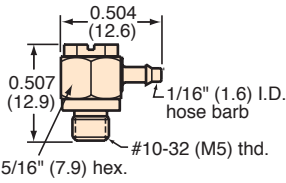
UT0-F

UT0-F-M5

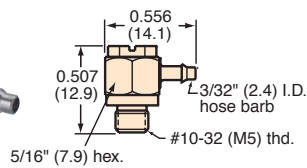


UT0-2

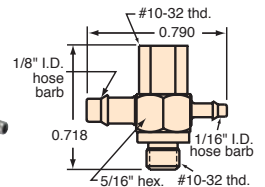
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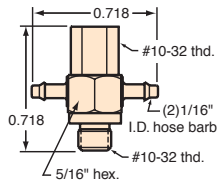
UT0-3



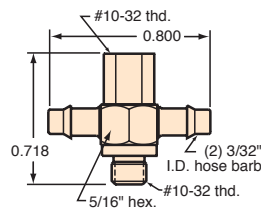
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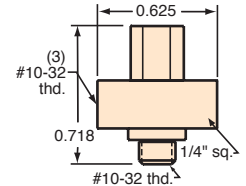
UTF-2002



UTF-3003

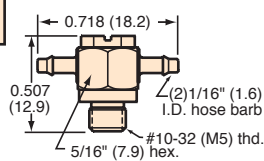


UTF-F0F

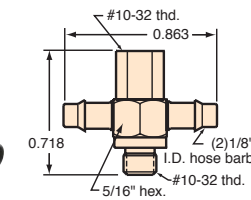


UT0-2002

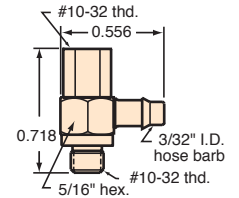
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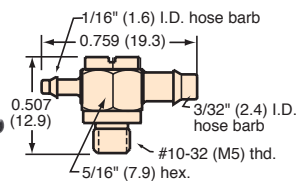
UTF-4004



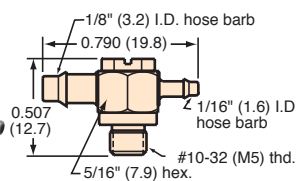
UTF-3



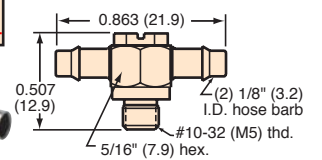
UT0-3002



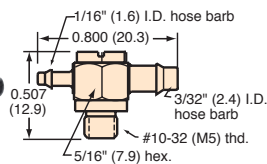
UT0-4002



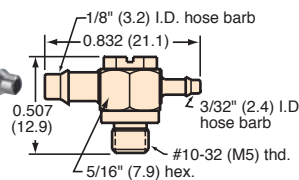
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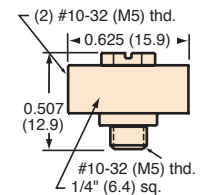
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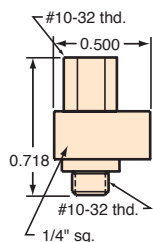
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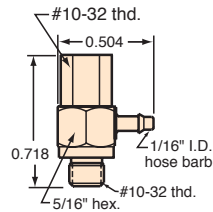
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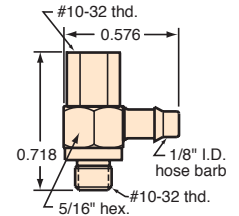
UTF-F



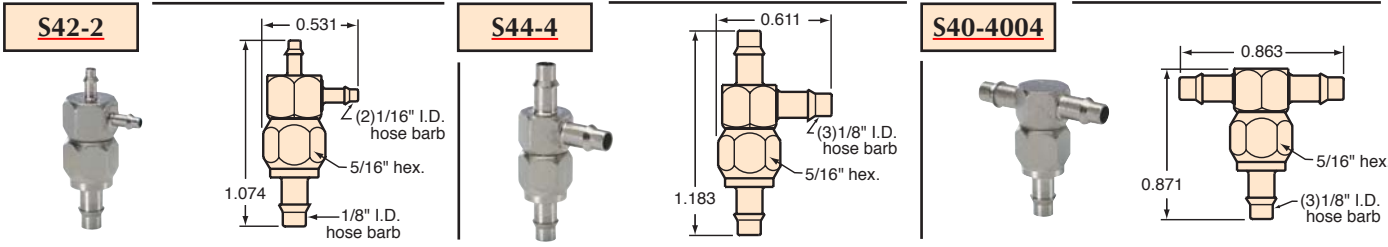
UTF-2



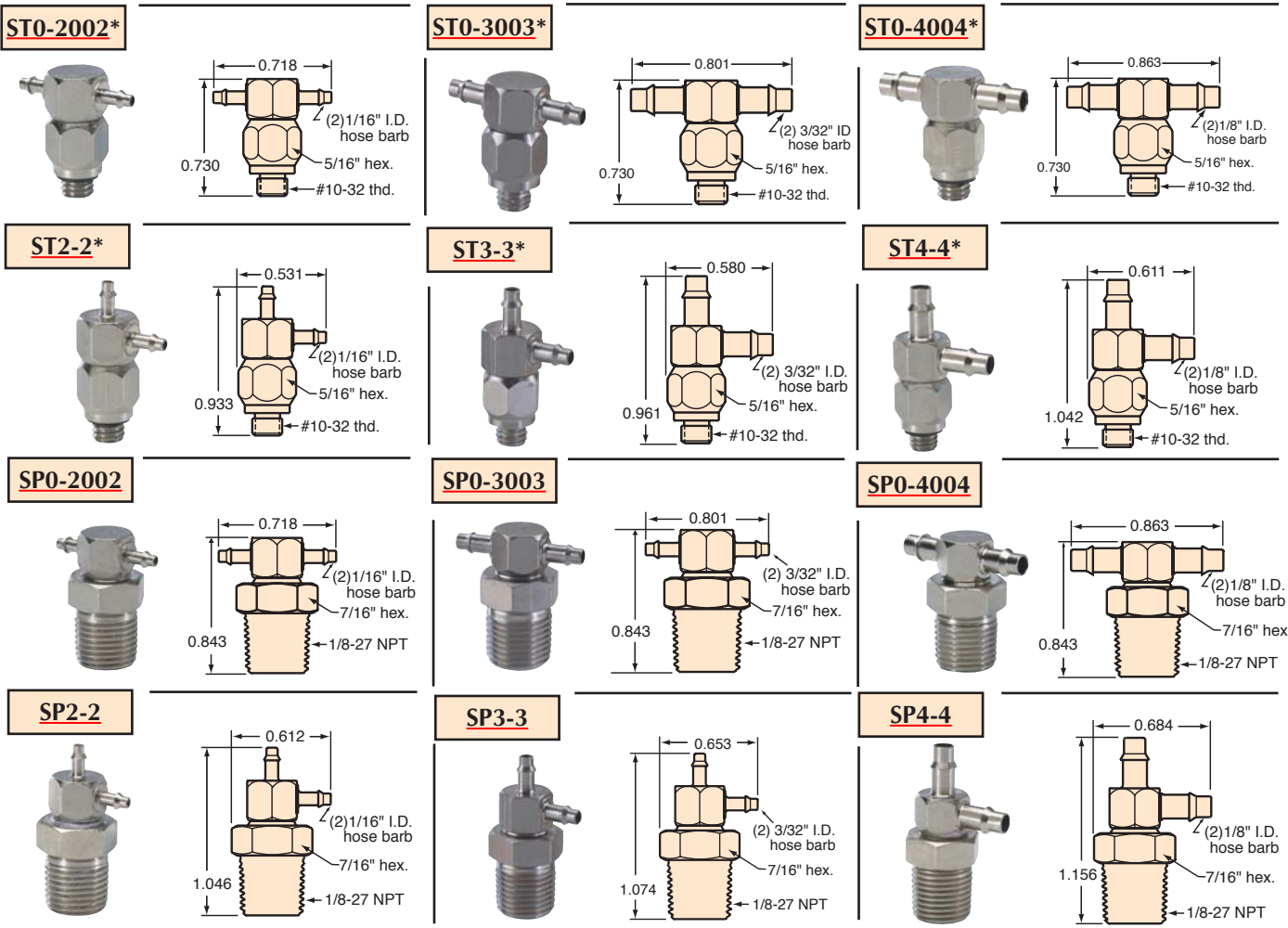
UTF-4



SWIVEL FITTINGS



#10-32 to Hose Swivel "T" Fittings




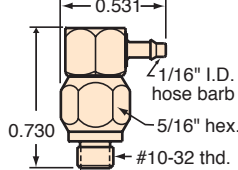

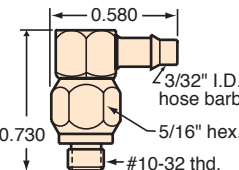

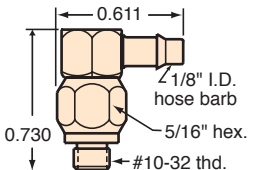

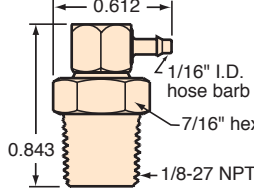

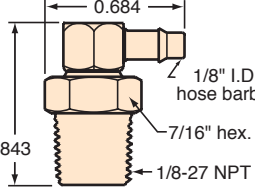

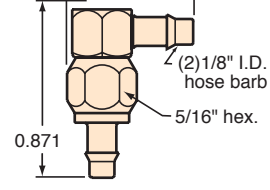
* Gasket included, not installed

Tip Most Clippard #10-32 threaded fittings require no more than 9" pounds of torque to seal. We recommend that this force not be exceeded.


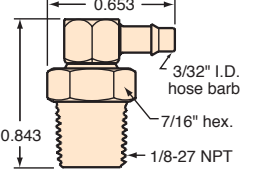


MINIMATIC® SLIP-ON FITTINGS

#10-32 to Hose Swivel "L" Fittings


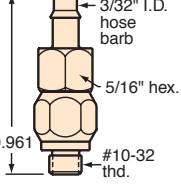
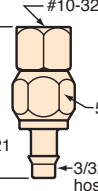

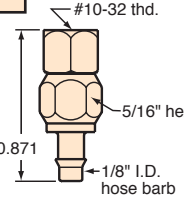


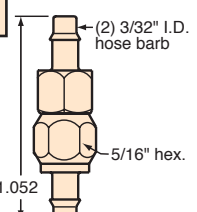

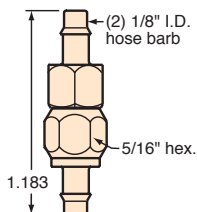

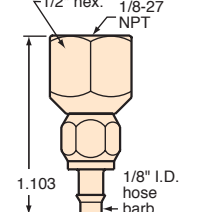
<p>ST0-2*</p> 	 <p>0.531 1/16" I.D. hose barb 5/16" hex. 0.730 #10-32 thd.</p>	<p>ST0-3*</p> 	 <p>0.580 3/32" I.D. hose barb 5/16" hex. 0.730 #10-32 thd.</p>	<p>ST0-4*</p> 	 <p>0.611 1/8" I.D. hose barb 5/16" hex. 0.730 #10-32 thd.</p>
<p>SP0-2</p> 	 <p>0.612 1/16" I.D. hose barb 7/16" hex. 0.843 1/8-27 NPT</p>	<p>SP0-4</p> 	 <p>0.684 1/8" I.D. hose barb 7/16" hex. 0.843 1/8-27 NPT</p>	<p>S40-4</p> 	 <p>0.611 (2) 1/8" I.D. hose barb 5/16" hex. 0.871</p>

SP0-3

0.653
3/32" I.D. hose barb
7/16" hex.
0.843
1/8-27 NPT

Connector Swivel Fittings

<p>ST3*</p> 	 <p>3/32" I.D. hose barb 5/16" hex. 0.961 #10-32 thd.</p>	<p>S3F</p> 	<p>S4F</p>   <p>#10-32 thd. 5/16" hex. 0.871 1/8" I.D. hose barb</p>
<p>ST4*</p> 	<p>S33</p>   <p>1/8" I.D. hose barb 5/16" hex. 1.052 (2) 3/32" I.D. hose barb</p>	<p>S44</p>   <p>5/16" hex. 1.183 (2) 1/8" I.D. hose barb</p>	<p>S4N</p>   <p>1/2" hex. 1/8-27 NPT 1.103 1/8" I.D. hose barb</p>

* Gasket included, not installed

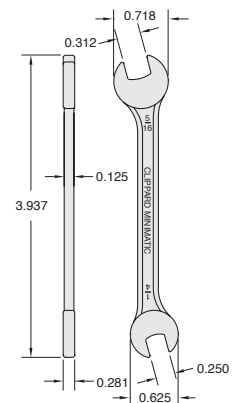
11770 Material: Chrome plated steel

Tips On Using Slip-On Fittings

Hose or Tubing Size. The use of different sizes of hose or tubing in your circuits deserves some care and consideration. In general, follow the manufacturer's guide for the size of hose or tubing you use. For air logic circuits, we recommend 1/16" I.D. for pilots and 1/8" I.D. for supplies and outputs.

Swivel Fittings. Minimatic® swivel connector fittings are very efficient in applications where joints need to be disconnected and reconnected frequently. Made with a threaded connection on one end and a swivel connection on the other, these fittings provide a true cost savings on pneumatic circuit designs. They are valuable also where short lengths of hose are being connected. Note: These are not rotating joints. They are for assembly benefits . . . not as a constant rotation connection.

Tightening #10-32 Fittings. TIGHTEN WITH CARE. Often a "finger tight" connection between Clippard fittings with anaerobic sealant is all that is required. When using a gasket, most Clippard #10-32 threaded fittings require no more than 9" pounds of torque to seal. We recommend that this force not be exceeded. Use wrench #11770 with a 1/4" and 5/16" open-end.



BRASS BARB TO #10-32 FITTINGS



Material: Brass

Gasket: Buna-N furnished in package only
Replacement [11761-2](#)

Options: (-ENP), (-M5 on 11752-2, 11752-3, 11752-4 and 11752-5)

Hose Barb		
1/16" ID	3/32" ID	1/8" ID
12841*	12843*	12842*
11752-2 & 11752-2-M5 (metric)	11752-8	11752-1
	<p>* Gasket not required; use thread sealant. Tighten by hand for flush mounting in #10-32 threaded holes.</p>	<p>#1 Recommended</p>
11752-5 & 11752-5-M5 (metric)		11752-4 & 11752-4-M5 (metric)
		11752-3 & 11752-3-M5 (metric)

BRASS BARB TO #10-32 FITTINGS WITH CAPTIVATED O-RINGS

Material: Brass

Seal: Buna-N o-ring furnished installed

Options: (-ENP)

Hose Barb		
1/16" ID	3/32" ID	1/8" ID
11792-5	11792-8	11792-4



BRASS BARB TO PIPE FITTINGS

Material: Brass

Thread: Standard Pipe Thread

Options: (-ENP)



Hose Barb(s)	External Thread				
	1/16" NPT (5/16" Hex.)	1/8" NPT (7/16" Hex.)	1/4" NPT (9/16" Hex.)	3/8" NPT (11/16" Hex.)	1/2" NPT (13/16" Hex.)
1/16" ID					
Part No.	1C12	2CP2	4CQ2	6CW2	8CZ2
3/32" ID					
Part No.	1C13	2CP3	4CQ3	6CW3	8CZ3
1/8" ID					
Part No.	11924-2	2CP4	11924-1*	6CW4	8CZ4
1/4" ID					
Part No.		12844	12845		

*Also available with G1/8 thread. Add -MG to the part number.

CUSTOMER solutions

If you need a product that fits your application perfectly, Clippard has the capability to design or modify one of its products to suit your exact needs. We understand that a standard catalog product may be close but not be exactly what you need. **Let us know YOUR Need, and we will help to find YOUR Solution!**



Bleed Valves

This miniature device is a vent or bleed valve that uses a tire stem valve in a small panel-mounted body with integral hose barb.



Standard fittings don't always fit!

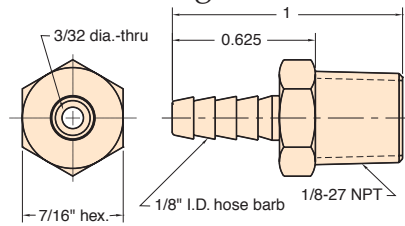
Clippard manufactures custom fittings to meet your exact requirements.



1/8" NPT to 1/8" I.D. Hose Fitting



Part No. 11924-1
Description Hose Fitting



Material: Brass

Thread: 1/8" NPT

Use: Joins standard pipe to 1/8" I.D. hose

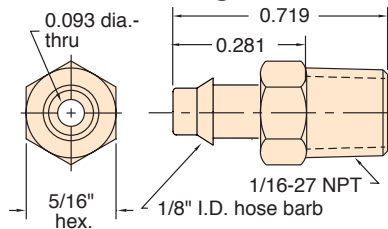
Options: (-ENP), (-MG)



1/16" NPT to 1/8" I.D. Hose Fitting



Part No. 11924-2
Description Hose Fitting



Material: Brass

Thread: 1/16" NPT

Use: Joins standard pipe to 1/8" I.D. hose

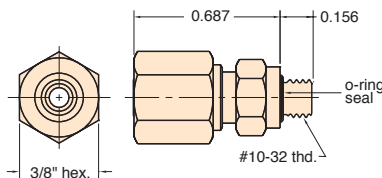
Options: (-ENP)



#10-32 to 1/8" O.D. Tube Compression Fitting



Part No. 11923
Description Compression Fitting



Material: Brass

Thread: #10-32

For Tubing: 3811-1-RL copper
NYT1-0403-CLT nylon

Options: (-ENP)

Features: One-piece ferrule and nut for fast, easy insertion of tube. Captivated o-ring seal.

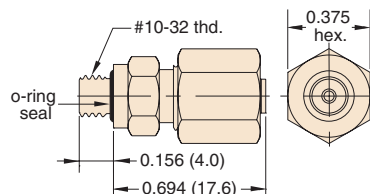
Replacement Ferrule and nut [#15155](#)



#10-32 to 1/16" O.D. Tube Compression Fitting



Part No. 15160
Description Compression Fitting



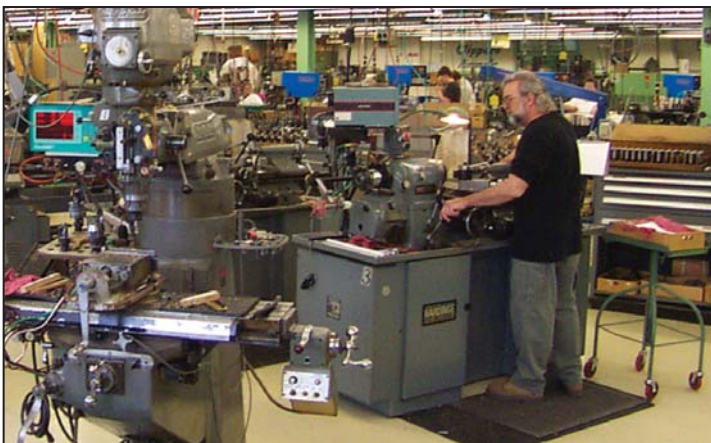
Material: Brass, Buna-N seal

Thread: #10-32

For Tubing: 1/16" O.D. copper or stainless steel

Options: (-ENP)

Features: One-piece ferrule and nut for fast, easy insertion of tube. Captivated o-ring seal.



Clippard's reputation of building jigs, fixtures and machines as well as modifying existing machines to improve productivity is carried on in its well equipped machine shop. New product prototypes are crafted by experienced engineers and machinists.

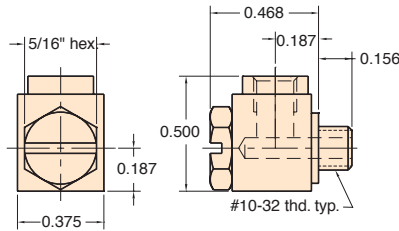


MINIMATIC® L T X FITTINGS

Adjustable "L" Fitting



Part No. Description
15002-1 "L" Fitting



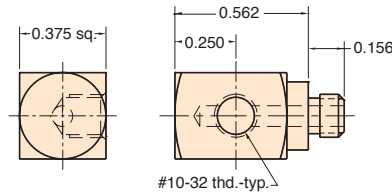
Material: Brass body, stainless steel stud
Stud: Stainless steel hex head with screwdriver slot (12292)
Thread: #10-32
Seals: Buna-N o-ring furnished
Use: Permits port to be aimed 360° in one plane, then secured by tightening screw. Also useful in connecting and disconnecting hose in hard-to-reach locations.
Options: (-ENP)



"L" Fitting



Part No. Description
15002-2 "L" Fitting



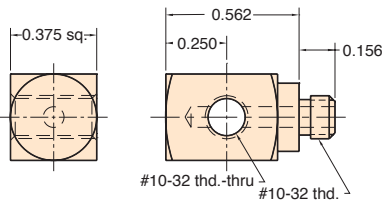
Material: Brass
Thread: #10-32
Gasket: Buna-N furnished in package only
Use: Allows ports to be brought out 90° to the side. For exact positioning use thread sealant
Options: (-ENP)



"T" Fitting



Part No. Description
15002-3 "T" Fitting



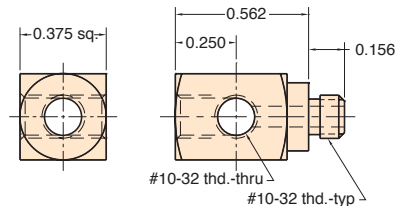
Material: Brass
Thread: #10-32
Gasket: Buna-N furnished in package only
Use: Like the "L" fitting, except ports out both sides. For precise positioning use thread sealant
Options: (-ENP)



"X" Fitting



Part No. Description
15002-4 "X" Fitting



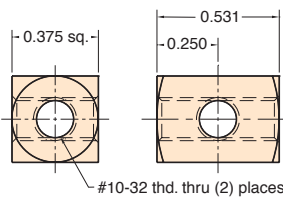
Material: Brass
Thread: #10-32
Gasket: Buna-N furnished in package only
Use: May be used as a miniature manifold, or "L" or "T" fitting by plugging unused ports with screw plug 11755. For precise positioning use thread sealant
Options: (-ENP)



"X" Coupling



Part No. Description
15002-5 "X" Coupling



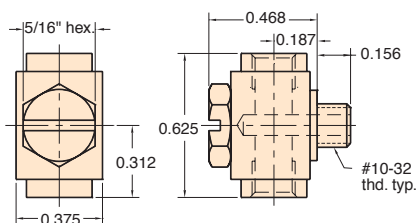
Material: Brass
Thread: #10-32
Use: Ideal as small manifold.
Options: (-ENP)



Adjustable "T" Fitting



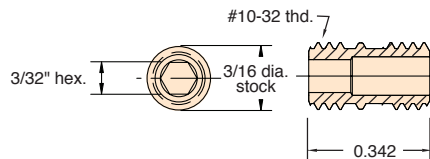
Part No. Description
15002-6 "T" Fitting



Material: Brass
Thread: #10-32
Stud: Stainless steel hex head with screwdriver slot (12292)
Seals: Buna-N o-ring furnished
Use: Permits ports to be aimed in any direction 360° in one plane then secured by tightening screw. Also useful for connecting or disconnecting hose in tight spots.
Note: Same dimensions as 15002-1 "L" fitting, except length, which is 5/8"
Options: (-ENP)



Male #10-32 Coupling



Part No.	Description
<u>15453</u>	#10-32 Coupling

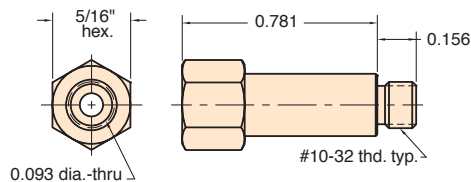
Material: Stainless steel

Thread: #10-32

Seals: Loctite necessary

Use: Excellent for a surface to surface connection of female #10-32 products

#10-32 Extension Fitting



Part No.	Description
<u>15010</u>	#10-32 Extension

Material: Brass

Thread: #10-32

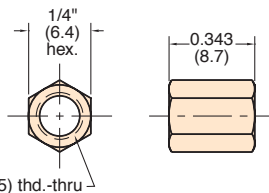
Gasket: Buna-N furnished

Use: To provide extension for convenience in assembling components

Options: (-ENP)



#10-32 Female Hex Coupling



Part No.	Description
<u>15004</u>	Hex Coupling

Material: Brass

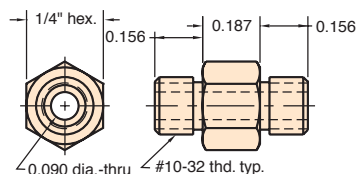
Thread: #10-32 tapped (M5)

Use: For coupling two #10-32 (M5) male fittings

Options: (-M5), (-ENP)



#10-32 Male Connector



Part No.	Description
<u>11999</u>	#10-32 Connector

Material: Brass

Thread: #10-32 both ends

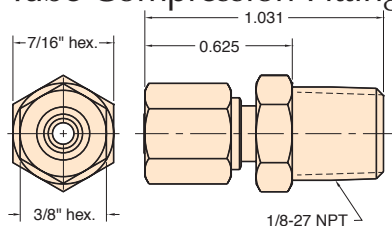
Gaskets: Buna-N 2 furnished

Use: For coupling cylinders directly to valves, and many other coupling arrangements

Options: (-ENP)



1/8" NPT to 1/8" O.D. Tube Compression Fitting



Part No.	Description
<u>3810-1</u>	Compression Fitting

Material: Brass

Thread: 1/8" NPT

Use: Joins standard size pipe to [3811-1-RL](#) copper or NYT1-0403-CLT nylon tubing

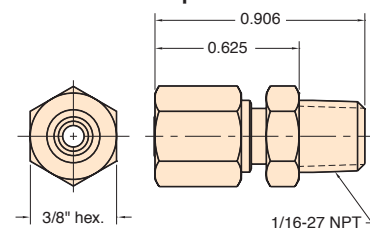
Replacement Ferrule & Nut: [#15155](#)

Options: (-ENP)

Features: One piece ferrule and nut for fast, easy insertion of tube



1/16" NPT to 1/8" O.D. Tube Compression Fitting



Part No.	Description
<u>3810-2</u>	Compression Fitting

Material: Brass

Thread: 1/16" NPT

Use: Joins standard size pipe to [3811-1-RL](#) copper or NYT1-0403-CLT nylon tubing

Replacement Ferrule & Nut: [#15155](#)

Options: (-ENP)

Features: One piece ferrule and nut for fast, easy insertion of tube





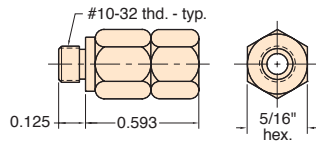
BRASS FITTINGS

SWIVEL FITTINGS

Minimatic® swivel connector fittings are very efficient in applications where joints need to be disconnected and reconnected frequently. Made with a threaded connection on one end and a swivel connection on the other, these fittings provide a true cost savings on pneumatic circuit designs. They are valuable also where short lengths of hose are being connected.

Note: These are not rotating joints. They are assembly benefits . . . not to be used as a constant rotation junction.

#10-32 Swivel Fitting



Part No.	Description
<u>15040</u>	Swivel Fitting

Material: Brass

Thread: #10-32

Seals: Buna-N o-ring (gasket furnished package only)

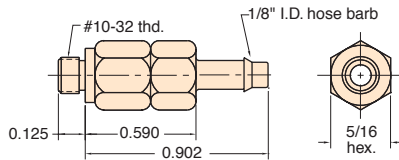
Use: Allows connection to rotate for tightening in confined spaces

Note: Used for positioning not for rotary connector

Options: (-ENP)



#10-32 to 1/8" I.D. Hose Swivel Fitting



Part No.	Description
<u>15045</u>	Swivel Fitting

Material: Brass

Thread: #10-32

Seals: Buna-N o-ring (gasket furnished package only)

Use: Allows connection to rotate for tightening in confined spaces

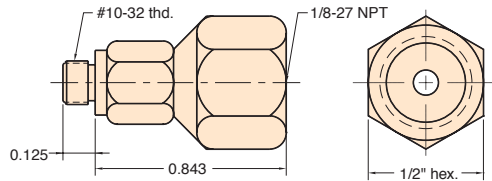
Hose Barb: 1/8" I.D. hose

Note: Used for positioning not for rotary connector

Options: (-ENP)



1/8" NPT to #10-32 Swivel Adapter



Part No.	Description
<u>15050</u>	Swivel Adapter

Material: Brass

Thread: #10-32 and tapped for 1/8-27 NPT

Seals: Buna-N o-ring (gasket furnished package only)

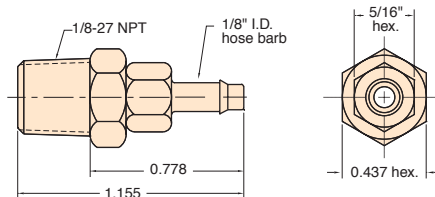
Use: Allow connection to rotate for tightening in confined spaces

Note: Used for positioning not for rotary connector

Options: (-ENP)



1/8" NPT to 1/8" I.D. Hose Swivel Fitting



Part No.	Description
<u>15055</u>	Swivel Fitting

Material: Brass

Thread: 1/8-27 NPT

Seals: Buna-N o-ring

Use: Allows connection to rotate for tightening in confined spaces

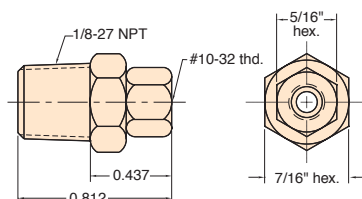
Hose Barb: 1/8" I.D. hose

Note: Used for positioning not for rotary connector

Options: (-ENP)



1/8" NPT to #10-32 Swivel Adapter



Part No.	Description
<u>15060</u>	Swivel Adapter

Material: Brass

Thread: 1/8-27 NPT male and #10-32 tapped

Seals: Buna-N o-ring

Use: Allows connection to rotate for tightening in confined spaces.

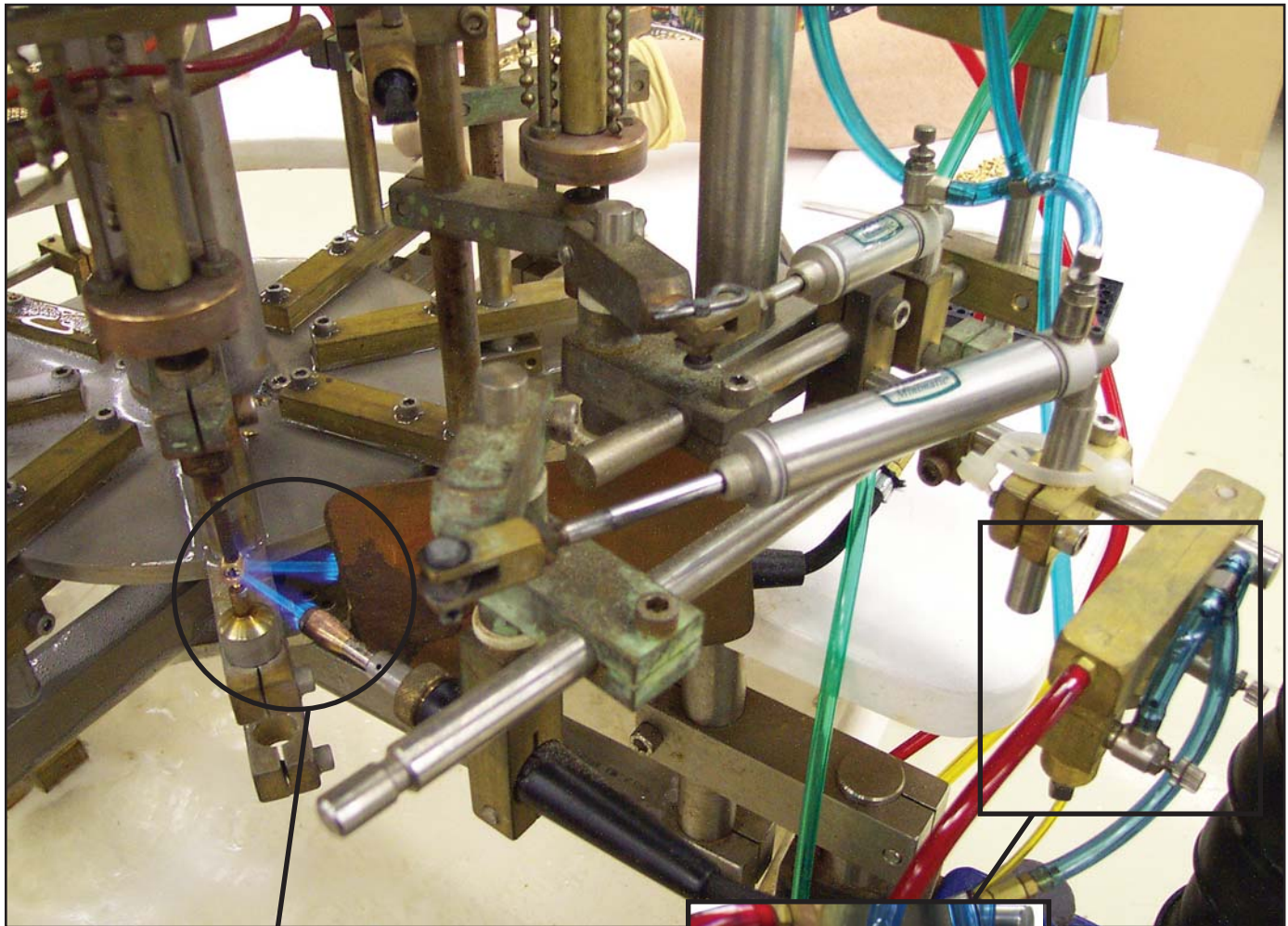
Note: Used for positioning not for rotary connector

Options: (-ENP)

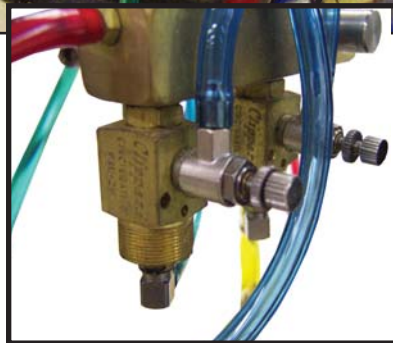


Clippard Slip-On Fitting Assembly

This semi-automatic rotary solder machine was designed and built in-house for the Clippard slip-on fitting product line. Incorporated into the design are Clippard modular valves, stainless steel cylinders, brass valves, flow controls, slip-on fittings, hose and super structure providing framework, control, indexing and parts handling.



The machine consists of a rotating center carousel with eight stations. The individual components of each slip-on fitting are loaded into clamp fixtures mounted on the carousel. The carousel indexes to each of the process stations: load, heat, cool, quench, and unload. The control and timing of the machine is accomplished using Clippard modular valves and brass limit valves. Each clamp fixture has its own control circuit for manual and automatic control. Sensors are also incorporated at each clamp fixture to sense the presence of a part.

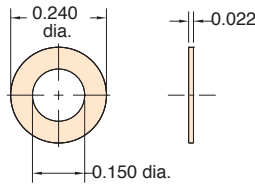


The heat station uses MFC-3AK2's to meter propane, while PAV-2's turn the propane on and off. In addition, the torches are connected to cylinders so they are able to rotate for the heat cycle.



GASKETS

Buna-N Gasket



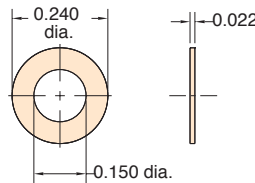
Material: Buna-N

Use: Buna-N gasket is designed for use with #10-32 threads; included with packaged Clippard fittings; replaces [11761-5](#)

Temperature Range: -40 to 250°F

Part No.	Description
11761-2	Buna-N Gasket

Viton Gasket



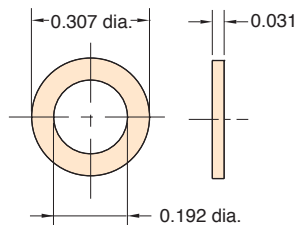
Material: Viton

Use: Designed for use with #10-32 threads in high temperature applications

Temperature Range: -20 to 450°F

Part No.	Description
11761-8	Viton Gasket

Nylon Gasket



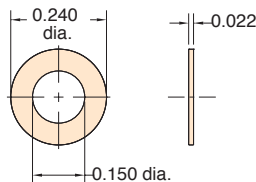
Material: Nylon

Use: Designed for use with #10-32 threads in applications that require nylon for chemical compatibility

Temperature Range: 40 to 200°F

Part No.	Description
11761-4	Nylon Gasket

EPDM Gasket



Material: EPDM

Use: Designed for use with #10-32 threads in applications that require EPDM for low temperature or chemical compatibility; do not use with petroleum-based lubricants

Temperature Range: -60 to 300°F

Part No.	Description
11761-7	EPDM Gasket

Gasket Tips

Gaskets are recommended for use with Clippard fittings. They provide snug, dependable seals without extra effort or materials. The most popular gasket for static sealing of #10-32 threads is the [11761-2](#) Buna-N Gasket. This gasket is included with packaged fittings and comes installed on a variety of Minimatic® slip-on fittings. Overtightening fittings with gaskets may have a tendency to extrude the gasket. While this may be a concern, the actual sealing is being accomplished by a small piece of the gasket at the base of the threads.

Sealants

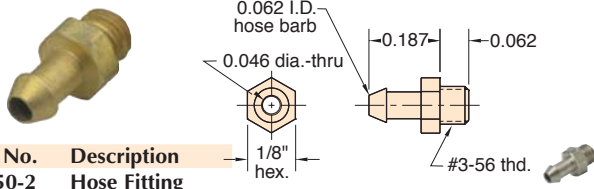
There are a number of brands of anaerobic sealants that may be used with Clippard fittings. Anaerobic sealants are applied wet and harden when no longer exposed to air. Their proper use results in a very effective, low cost seal. There are several alternate sealing methods:

1. sealant alone
2. gasket alone
3. gasket and sealant combination

The first two methods will provide adequate sealing for normal air pressures. When extra resistance to vibration is necessary or a permanent orientation of the fitting is required, use of the combination of both gasket and sealant is recommended.

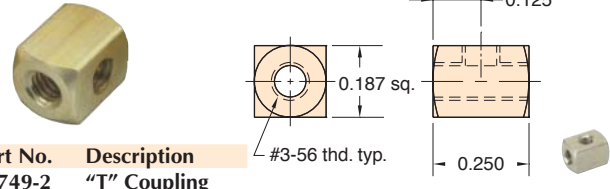
Material: Brass **Thread:** M2.5 - 0.45 (#3-56 US equiv.) **Use:** Threads into Clippard subminiature cylinder; fits 1/16" I.D. hose

#3-56 to 1/16" ID Hose Fitting



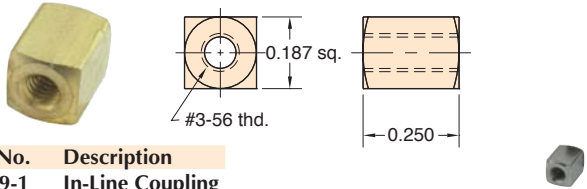
Part No. 11750-2 **Description**
Hose Fitting

#3-56 "T" Coupling



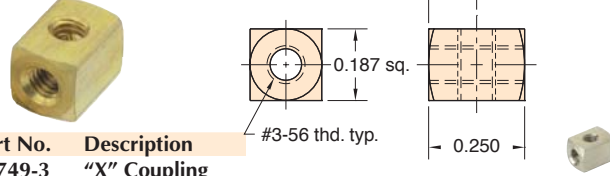
Part No. 11749-2 **Description**
"T" Coupling

#3-56 In-Line Coupling



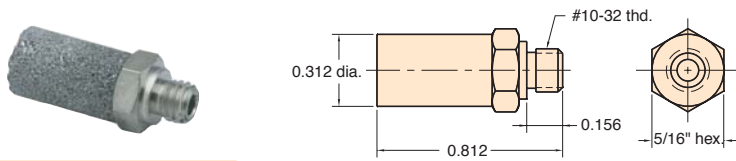
Part No. 11749-1 **Description**
In-Line Coupling

#3-56 "X" Coupling



Part No. 11749-3 **Description**
"X" Coupling

#10-32 Muffler



Part No. 15070 **Description**
#10-32 Muffler

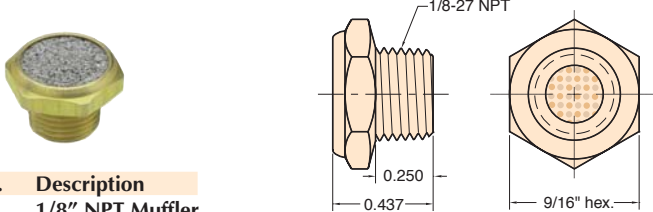
Material: Electroless nickel plated brass body sintered stainless steel muffler (60 micron)

Thread: #10-32

Gasket: Buna-N furnished

Use: To muffle exhausts for quiet system operation

1/8" NPT Muffler



Part No. 15080 **Description**
1/8" NPT Muffler

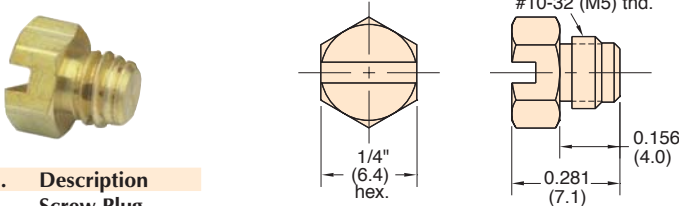
Material: Solid brass body; sintered stainless steel insert (100 micron)

Thread: 1/8" NPT

Use: To muffle exhaust for quiet system operation

Options: (-ENP)

#10-32 Screw Plug



Part No. 11755 **Description**
Screw Plug

Material: Brass

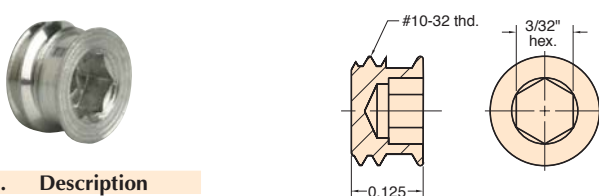
Thread: #10-32 (M5)

Gasket: Buna-N furnished package only

Use: For plugging unused ports in manifolds, air lines and other devices

Options: (-ENP), (-M5)

Headless Screw Plug



Part No. 0035-2 **Description**
Screw Plug

Material: Stainless Steel screw plug

Thread: #10-32

Use: For plugging unused ports in manifold, air lines and other devices that require a flush surface plug; use 3/32 Allen hex wrench to install

Note: Thread sealant recommended



PIPE REDUCER BUSHINGS

Material: Brass

Use: Will adapt standard pipe to fittings and Clippard miniature components

Option: (-ENP)

	External Thread				
	1/16" NPT (5/16" Hex.)	1/8" NPT (7/16" Hex.)	1/4" NPT (9/16" Hex.)	3/8" NPT (11/16" Hex.)	1/2" NPT (13/16" Hex.)
Internal Thread					
#10-32					
Part No.	<u>1CIF</u>	<u>15036*</u>	<u>2CPF</u>	<u>4CQF</u>	<u>6CWF</u>
1/16" NPT					
Part No.		<u>2CPK</u>	<u>4CQK</u>	<u>6CWK</u>	<u>8CZK</u>
1/8" NPT					
Part No.			<u>4CQN</u>	<u>6CWN</u>	<u>8CZN</u>
1/4" NPT					
Part No.				<u>6CWY</u>	<u>8CZY</u>
3/8" NPT					
Part No.					<u>8CZD</u>

* Nickel-plated

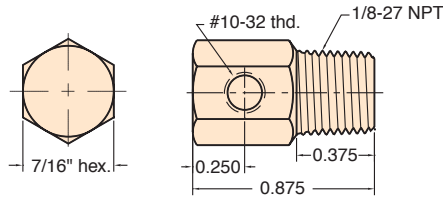


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1/8" NPT to #10-32 "L" Fitting



Part No. 15090-1
Description "L" Fitting



Material: Brass

Thread: 1/8" NPT to #10-32

Use: To provide connections between the two thread sizes with mounting convenience

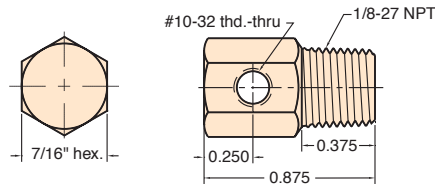
Options: (-ENP)



1/8" NPT to #10-32 "T" Fitting



Part No. 15090-2
Description "T" Fitting



Material: Brass

Thread: 1/8" NPT to #10-32

Use: To provide connections between the two thread sizes with extra mounting convenience

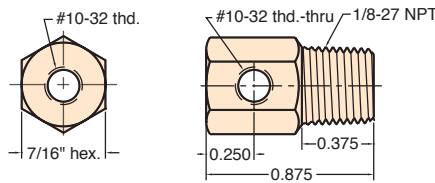
Options: (-ENP)



1/8" NPT to #10-32 "X" Cross Fitting



Part No. 15090-3
Description "X" Fitting



Material: Brass

Thread: 1/8" NPT to #10-32

Use: To provide connections between the two thread sizes; can be used as a miniature manifold

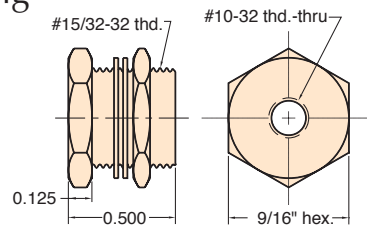
Options: (-ENP)



#10-32 Bulkhead Fitting



Part No. 15027
Description Bulkhead Fitting



Material: Brass

Thread: #10-32 tapped both ends

Locking Nut: 9/16" furnished with two steel lockwashers

Use: Provides rigid connection thru panels or bulkheads up to 1/4" thick; use with any Clippard #10-32 threaded fitting or connector

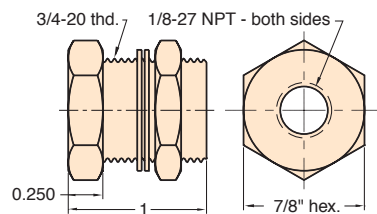
Options: (-ENP)



1/8" NPT Bulkhead Fitting



Part No. 15029-1
Description Bulkhead Fitting



Material: Brass

Thread: O.D. - 3/4 - 20, I.D. 1/8" NPT

Locking Nut: 7/8" hex furnished with two steel lockwashers

Use: Provides rigid connection thru panels or bulkheads up to 1/2" thick

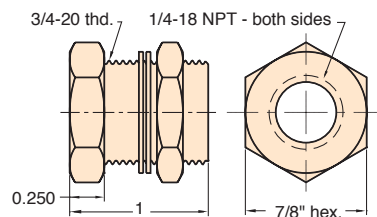
Options: (-ENP)



1/4" NPT Bulkhead Fitting



Part No. 15029-2
Description Bulkhead Fitting



Material: Brass

Thread: O.D. - 3/4 - 20, I.D. 1/4" NPT

Locking Nut: 7/8" hex furnished with two steel lockwashers

Use: Provides rigid connection thru panels or bulkheads up to 1/2" thick

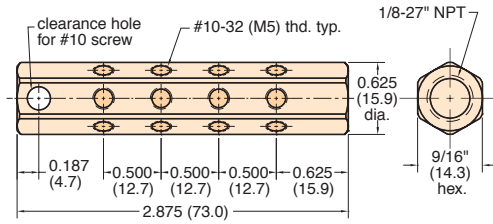
Options: (-ENP)





MANIFOLDS

12-Port Manifold



Part No.	Description
<u>MAN-12</u>	12-Port Manifold

Material: Brass

Thread: Tapped ports: 1/8" standard pipe tapped inlet

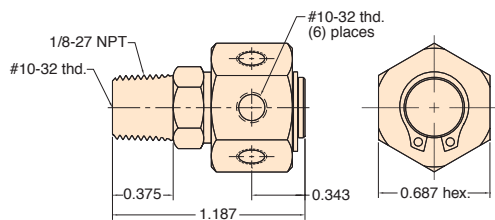
Mounting: 13/64" diameter mounting hole

Use: May be mounted on jigs, fixtures or machinery to provide up to 12 convenient #10-32 outlets from one standard 1/8" pipe connection; may be used with any Clippard #10-32 fittings, quick connects and many other devices; unused ports can be plugged with screw plug 11755

Options: (-ENP)



6-Port Rotary Manifold



Part No.	Description
<u>MRM-6</u>	6-Port Manifold

Material: Brass and stainless steel

Thread: 1/8" NPT for inlet is also tapped #10-32; outlet consists of 6 ports tapped #10-32

Seals: Buna-N o-ring furnished

Working Range: 250 psig max.

Air Flow: 5.9 scfm @ 50 psig

Use: May be used either as a rotary joint or as a stationary manifold; ideal for distributing air or liquid from center column onto a rotary index table; unused ports may be plugged with screw plug 11755 and gasket

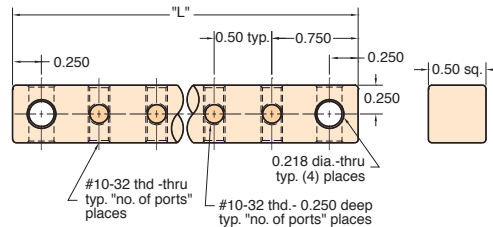
Low RPM applications

Miniature Terminal Blocks

X to be replaced with: 4, 6, 8, 10



15028-4 pictured above



Part No.	Description
15028-□	Terminal Block

Material: Anodized aluminum

Thread: #10-32 tapped ports

Mounting: With two 7/32: diameter mounting holes

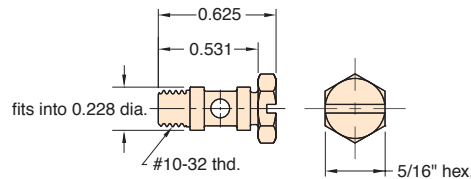
Use: To help organize connections in circuit boxes, control panels and machine piping; cross drilled mounting holes permit mounting of "T" in any direction; use screw plug 11755 to plug unused ports

Model #	# of Ports	"A"	"L"
<u>15028-4</u>	4	2 1/2"	3"
<u>15028-6</u>	6	3 1/2"	4"
<u>15028-8</u>	8	4 1/2"	5"
<u>15028-10</u>	10	5 1/2"	6"

Miniature Manifold Stud



Part No.	Description
<u>12292</u>	Manifold Stud



Material: Stainless steel

Thread: #10-32

Seals: Buna-N o-ring and gasket furnished

Use: This hollow, cross-drilled stud is useful for connecting specially made manifolds to multiple ports of valves or cylinders, eliminating need for external fittings with hose



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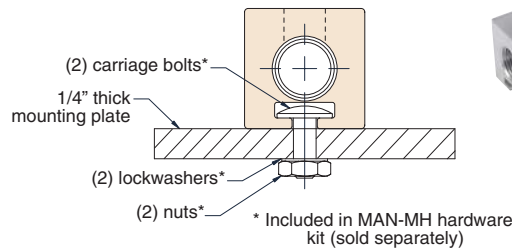
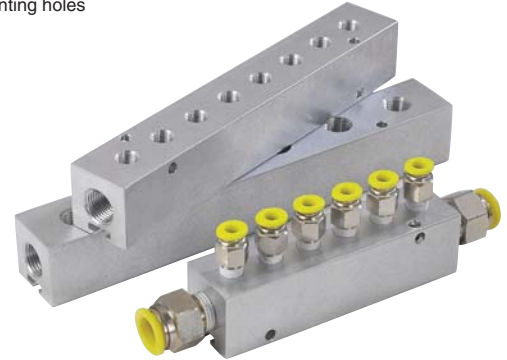
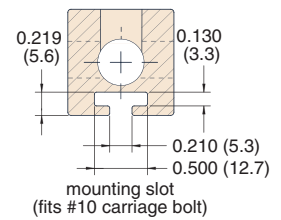
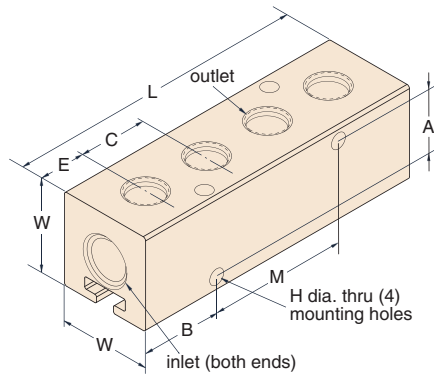
Miniature Pneumatic & Electronic Control Devices



In-Line Manifolds

Clippard's aluminum pipe thread manifolds are an economical and efficient choice for grouping pneumatic valves and other components in applications where space is limited. In addition, manifolds help to reduce potential leak points and allow for faster installation, all with one common air supply and less piping.

A unique feature of this series of manifolds is a bottom T-slot mounting system which allows for secure mounting using only two carriage bolts on any center distance along the length of the manifold. Hardware Kit ordered separately.



Medium: Air or Liquid

Material: Clear Anodized Aluminum

Outlet Ports (Top Ports): 1/8" NPT or 1/4" NPT

Inlet Ports (End Ports): 1/4" NPT or 3/8" NPT

Mounting: Top-to-bottom and front-to-back mounting Holes as well as bottom T-slot mounting system

Part No.	Stations **	Width "W"	End Inlets	Top Outlets	Center "C" **	End "E"	Length "L"	Mtg. "M"	"A"	"B"	Hole* "H"
MAN-ASF1-04	4						3.250"	1.500"			
MAN-ASF1-06	6	1"	1/4" NPT	1/8" NPT	0.750"	0.500"	4.750"	3.000"	0.700"	0.875"	0.172"
MAN-ASF1-08	8	Sq.					6.250"	4.500"			(#8)
MAN-ASF1-10	10						7.750"	6.000"			screw
MAN-ALF1-04	4						3.250"	1.500"			
MAN-ALF1-06	6	1 1/4"	3/8" NPT	1/8" NPT	0.750"	0.500"	4.750"	3.000"	0.875"	0.875"	0.201"
MAN-ALF1-08	8	Sq.					6.250"	4.500"			(#10)
MAN-ALF1-10	10						7.750"	6.000"			screw
MAN-ALF2-04	4						4.125"	1.750"			
MAN-ALF2-06	6	1 1/4"	3/8" NPT	1/8" NPT	0.875"	0.750"	5.875"	3.500"	0.875"	1.187"	0.201"
MAN-ALF2-08	8	Sq.					7.625"	5.250"			(#10)
MAN-ALF2-10	10						9.375"	7.000"			screw
MAN-ALY2-04	4						3.875"	1.750"			
MAN-ALY2-06	6	1 1/4"	3/8" NPT	1/4" NPT	0.875"	0.625"	5.625"	3.500"	0.875"	1.062"	0.201"
MAN-ALY2-08	8	Sq.					7.375"	5.250"			(#10)
MAN-ALY2-10	10						9.125"	7.000"			screw
MAN-ALY6-04	4						5.875"	2.750"			
MAN-ALY6-06	6	1 1/4"	3/8" NPT	1/4" NPT	1.375"	0.875"	8.625"	5.500"	0.875"	1.562"	0.201"
MAN-ALY6-08	8	Sq.					11.375"	6.250"			(#10)
MAN-ALY6-10	10						14.125"	11.000"			screw

* 0.172" can be tapped by the user for #10-32 thread; 0.201" may be tapped by user for 1/4"-20 thread for mounting.

** Variations available—consult factory.

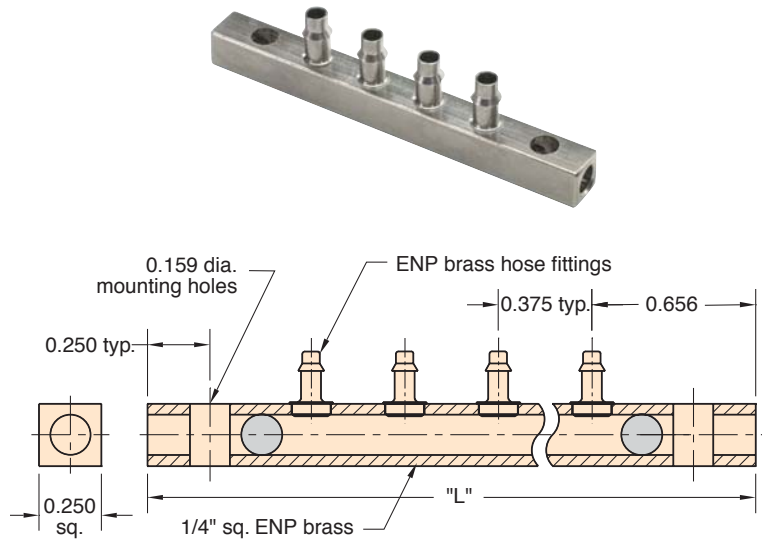


MANIFOLDS

Block Manifolds

The BHH series has mounting holes for #6 screws at each end. One of the stations must be used as the air supply to the manifold.

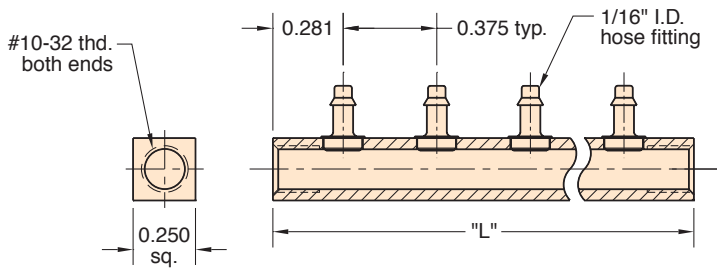
Part #	# of Stations	Fitting Size
BHH2-04	4	1/16" I.D. Hose Barb
BHH2-06	6	
BHH2-08	8	
BHH2-10	10	
BHH2-12	12	
BHH4-04	4	1/8" I.D. Hose Barb
BHH4-06	6	
BHH4-08	8	
BHH4-10	10	
BHH4-12	12	



The BTT series Block Manifold has #10-32 holes at each end for inline mounting. One end may be used as the air supply to the manifold and the other end plugged.



Part #	# of Stations	Fitting Size
BTT2-04	4	1/16" I.D. Hose Barb
BTT2-06	6	
BTT2-08	8	
BTT2-12	12	
BTT4-04	4	1/8" I.D. Hose Barb
BTT4-06	6	
BTT4-08	8	
BTT4-10	10	
BTT4-12	12	



The Minimatic J-Series quick connect consists of two component parts that are joined to form the complete connector. The valve body contains a 2-way spring-loaded poppet valve that is generally connected to the main air supply. When the poppet is not depressed, the air supply is shut-off by this valve. The Cap contains a valve depressor that when assembled to the valve body, depresses the poppet allowing air to flow from the main supply to circuitry or equipment downstream. Valve body & cap assemblies contain both components.

M J Q C -    



Cap

- B4** - 1/8" hose barb
- FT** - #10-32 female thread
- PF** - Panel mount #10-32 female thread
- PB** - Panel mount 1/8" hose barb
- MP** - 1/8" male NPT thread
- MQ** - 1/4" male NPT thread



Valve Body

- B4** - 1/8" hose barb
- FT** - #10-32 female thd.
- MT** - #10-32 male thd.
- MP** - 1/8" male NPT thd.
- FP** - 1/8" female NPT thd.
- MQ** - 1/4" male NPT thd.

To order just the cap

M J Q C - C  

To order just the valve body

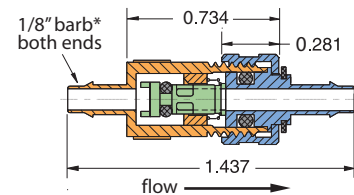
M J Q C - V  

Valve Body & Cap Assemblies

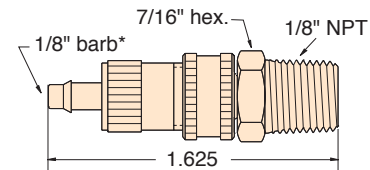
*1/8 Barb - fits 1/8" I.D. hose. Ideal for use with Clippard URH1-0804 polyurethane hose.

- High flow of 14 scfm @ 100 psig
- Space saving attractive miniature design
- Wide variety of connectors
- Adds convenience to equipment and circuits
- Brass body, electroless nickel plated
- Non-corrosive - Delrin® poppet
- Fills the gap between clumsy, large quick connects and smaller quick connects with less flow
- Buna-N seals, positive shut off
- Positive threaded connection, stays connected
- Medium: Air, Oil, or Water
- Working Pressure: 0 to 150 psig max.

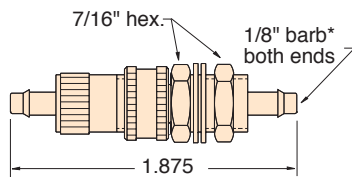
Minimatic J-Series quick connect fittings are very compact yet provide a very high flow. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8" NPT threads (M or F), 1/4" NPT threads (M) or a 1/8" hose single barb configuration.



Part No. MIQC-B4B4 **Description** 1/8" Barb Outlet, 1/8" Barb Inlet (MJQC-VB4/MJQC-CB4 Combo)

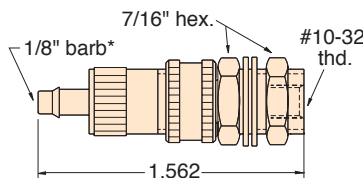


Part No. MIQC-MPB4 **Description** 1/8" Barb Outlet, 1/8" NPT Inlet (MJQC-VB4/MJQC-CMP Combo)



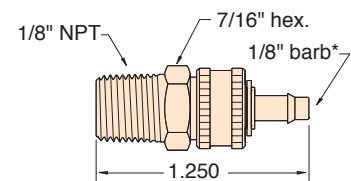
Part No. MIQC-PBB4 **Description** 1/8" Barb Outlet, 1/8" Barb Inlet with Thread (MJQC-VB4/MJQC-CPB Combo)

(supplied with mounting nut and two washers)



Part No. MIQC-PFB4 **Description** 1/8" Barb Outlet, #10-32 Inlet (MJQC-VB4/MJQC-CPF Combo)

(supplied with mounting nut and two washers)



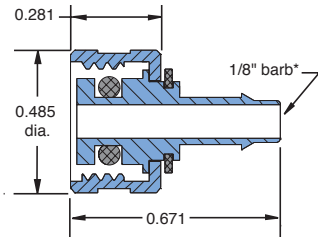
Part No. MIQC-B4MP **Description** 1/8" NPT Outlet, 1/8" Barb Inlet (MJQC-VMP/MJQC-CB4 Combo)



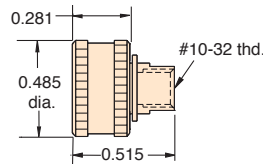
MINIMATIC® J-SERIES QUICK CONNECT FITTINGS

Caps with Open Flow Path

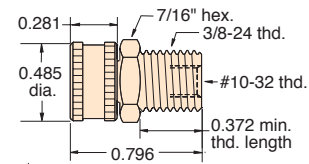
Minimatic J-Series quick connect fittings are ideal for use in jigs, fixtures, feeding devices, logic control circuitry and automatic or semi-automatic machinery. Assembly is simple, and the tightening of the knurled cap assures a positive, leakproof, high pressure connection that will stay connected.



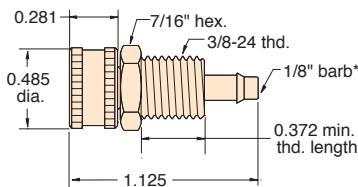
Part No. MIQC-CB4 **Description**
1/8" Barb



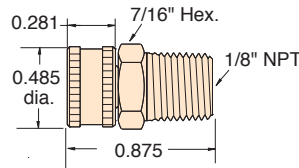
Part No. MIQC-CFT **Description**
#10-32



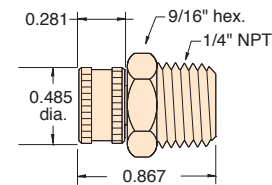
Part No. MIQC-CPF **Description**
3/8" Thread



Part No. MIQC-CPB **Description**
1/8" Barb
(supplied with mounting nut and two washers)



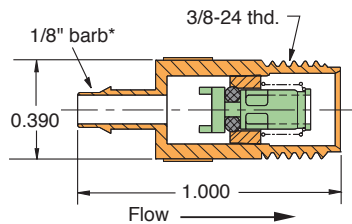
Part No. MIQC-CMP **Description**
1/8" NPT



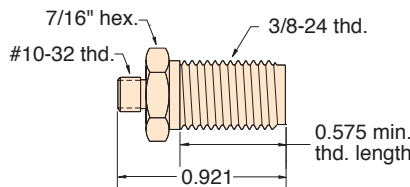
Part No. MIQC-CMQ **Description**
1/4" NPT

Valve Bodies with Shut-Off Valve

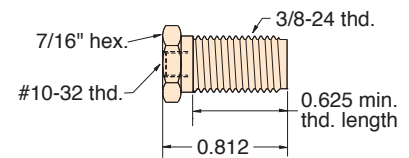
Minimatic J-Series quick connect fittings are very compact yet provide a high flow of 14 scfm @ 100 psig. The electroless nickel plated brass body is available with #10-32 threads (M or F), 1/8" NPT threads (M or F), 1/4" NPT threads (M) or a 1/8" hose single barb configuration that is ideal for use with Clippard URH1-0804 polyurethane hose.



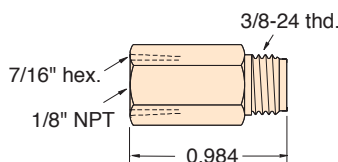
Part No. MIQC-VB4 **Description**
1/8" Barb, 3/8-24 Thd.



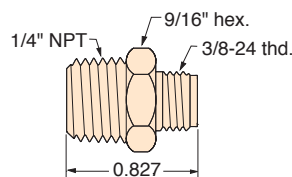
Part No. MIQC-VMT **Description**
#10-32 Male, 3/8-24 Thd.
(supplied with mounting nut and two washers)



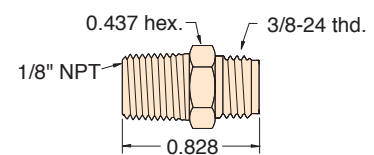
Part No. MIQC-VFT **Description**
#10-32 Female, 3/8-24 Thd.
(supplied with mounting nut and two washers)



Part No. MIQC-VFP **Description**
1/8" NPT Female, 3/8-24 Thd.



Part No. MIQC-VMQ **Description**
1/4" NPT Male, 3/8-24 Thd.



Part No. MIQC-VMP **Description**
1/8" NPT Male, 3/8-24 Thd.

*1/8 Barb - fits 1/8" I.D. hose. Ideal for use with Clippard URH1-0804 polyurethane hose.

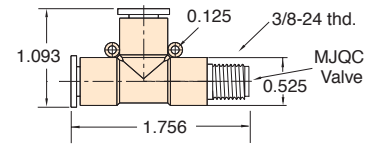
Push-Quick Fittings with MJQC Quick-Connect Port



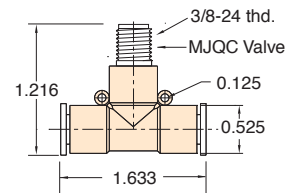
These 1/4" fittings combine the quick, easy Push-Quick functionality with the flexibility and security of the Quick-Connect series with no circuit interruption. MJQC Quick-Connect Caps (ordered separately above) attach to the threaded port allowing for a variety of uses.

Part No.	Description
PQ-RT08QC	Run T with 3/8-24 Thread
PQ-BT08QC	Branch T with 3/8-24 Thread

- Serves as an easy connection point for temporary functions/circuitry
- Quickly test for air flow
- Easy connection to valves, cylinders, hose, etc.
- Check air pressure via a gauge
- Use as a dump valve/vent

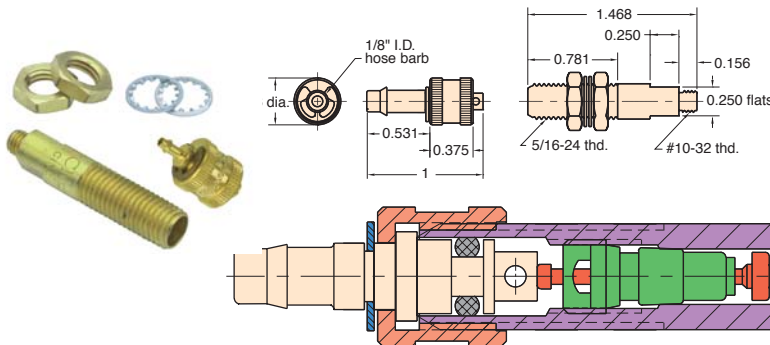


PQ-RT08QC



PQ-BT08QC

Quick Connect Assembly



Part No.	Description
MQC-2S	QC Assembly

Flow ←

Type: One way check quick connect assembly of valve body MQC-V2 and hose connector MQC-F

Material: Body- brass, Stem- brass

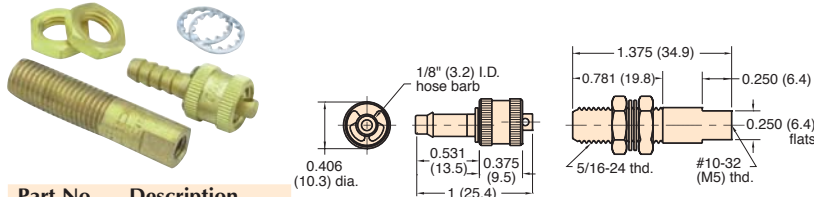
Seals: Buna-N

Working Pressure: 0 to 300 psig

Air Flow: 3.0 scfm @ 50 psig
5.8 scfm @ 100 psig

Triple Barb: Order MQC-2

Quick Connect Assembly



Part No.	Description
MQC-3S	QC Assembly

Type: One way check quick connect assembly of valve body MQC-V3 and hose connector MQC-F

Material: Body- brass, Stem- brass

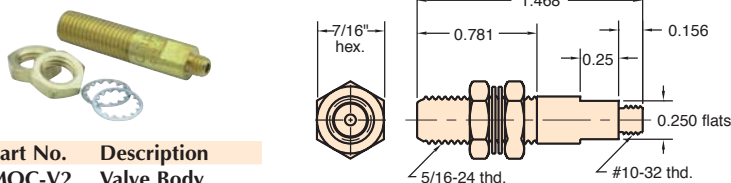
Seals: Buna-N

Working Pressure: 0 to 300 psig

Air Flow: 3.0 scfm @ 50 psig
5.8 scfm @ 100 psig

Triple Barb: Order MQC-3 or MQC-3-M5 (metric)

Valve Body



Part No.	Description
MQC-V2	Valve Body

Material: Brass

Thread: #10-32 male

Mounting: In panel or bracket to 1/4" thick with two 7/16" mounting nuts and lockwashers furnished; also screws directly into operative unit or manifold

Seals: Buna-N

Use: For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2

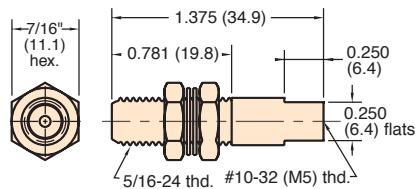
Options: (-ENP)





MINIMATIC® QUICK CONNECT

Valve Body



Part No. Description
MQC-V3 Valve Body

Material: Brass

Thread: Tapped #10-32

Mounting: In panel or bracket to 1/4" thick with two 7/16" mounting nuts and lockwashers furnished; like MQC-V2, but end is tapped #10-32 instead of threaded

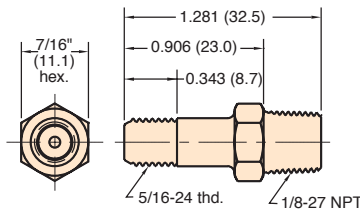
Seals: Buna-N

Use: For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2

Options: (-ENP), (-M5)



Valve Body



Part No. Description
MQC-VP Valve Body

Material: Brass

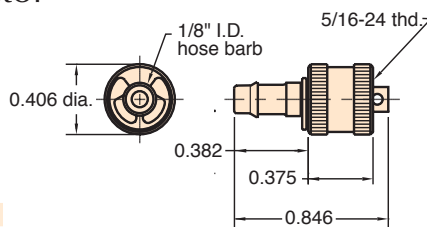
Thread: 1/8" NPT base; 5/16-24 body

Use: For connection with external shut-off to external hose, use hose connectors: MQC-F, MQC-FT, MQC-F2

Seals: Buna-N

Options: (-ENP), (-MR)

1/8" Hose Connector



Part No. Description
MQC-FS Hose Connector

Material: Brass

Thread: I.D. of knurled end screws onto male end of valve bodies

For Use With: 1/8" I.D. Vinyl, Buna-N or braided hose

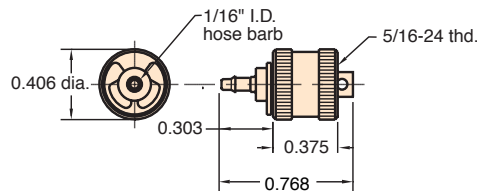
Installation: Simply push hose onto barbed end and secure with hose clamp 5000-1, 5000-2 or 5000-1A.

Seals: Buna-N

Options: (-ENP)

Triple Barb: Order MQC-F

1/16" Hose Connector



Part No. Description
MQC-F2S Hose Connector

Material: Brass

Thread: I.D. of knurled end screws onto male end of valve bodies

For Use With: Subminiature VYH1-0402-CLT 1/16" ID vinyl hose

Installation: Simply push hose onto barbed end and secure with slip-over hose clamp furnished

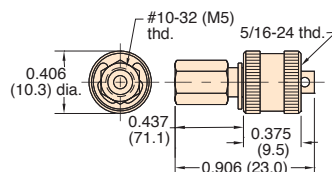
Seals: Buna-N

Options: (-ENP)

Triple Barb: Order MQC-F2



#10-32 (M5) Tapped Connector



Part No. Description
MQC-FT #10-32 Connector

Material: Brass

Thread: Outlet is tapped #10-32 or M5 Metric. I.D. of knurled end screws onto male end of valve bodies: MQC-V2, MQC-V3, MQC-VP

Mounting: Outlet mounts with #10-32 (M5) short coupling 11999

Seals: Buna-N

Options: (-ENP), (-M5)



Tip

When assembling #10-32 threaded fittings with gaskets, turn the fitting in until the gasket contacts the surface. Then give the fitting less than a 1/4 turn to achieve a good seal.



For the ultimate in convenience, have a selection of helpful fittings available for every need. Keeping a supply of fittings on hand can save money and time, allowing projects, prototypes, circuits, and repairs to be finished quickly and avoiding delays.

These Minimatic fittings kits contain a variety of the most commonly used fittings and quick connects. The kit saves time ordering and additional parts or replacements can be ordered at any time. Each kit comes in a sturdy plastic case.



Minimatic Slip-On Fittings Kit



- UTO-FOF (T) Universal M #10-32 to F #10-32
- UTO-F (L) Universal M #10-32 to F #10-32
- UTF-F (T) Universal M #10-32 to F #10-32
- UTF-FOF (X) Universal M #10-32 to F #10-32
- In-Line Connectors
 - C44 1/8" I.D. Hose to 1/8" I.D. Hose
 - C42 1/8" I.D. Hose to 1/16" I.D. Hose
 - C22 1/16" I.D. Hose to 1/16" I.D. Hose
- T22-4 1/8" I.D. Hose T to 1/16" I.D. Hoses
- T44-2 1/16" I.D. Hose T to 1/8" I.D. Hoses
- X44-404 1/8" I.D. Hose X
- X22-202 1/16" I.D. Hose X
- SP0-4 1/8" M NPT to L 1/8" I.D. Hose
- SP0-2 1/8" M NPT to L 1/16" I.D. Hose
- SP0-4004 1/8" M NPT to T 1/8" I.D. Hose
- SP0-2002 1/8" M NPT to T 1/16" I.D. Hose
- T22-2 1/16" I.D. Hose T
- T44-4 1/8" I.D. Hose T
- XT4-404 1/8" I.D. Hose X with M #10-32
- XT2-202 1/16" I.D. Hose X with M #10-32
- CT2 1/16" I.D. Hose to M #10-32
- CT4 1/8" I.D. Hose to M #10-32
- Inline Swivel Connectors
 - S44 1/8" I.D. Hose to 1/8" I.D. Hose
 - ST4 1/8" I.D. Hose to M #10-32
 - S4F 1/8" I.D. Hose to F #10-32

Contains:

- CT0-2 Connector L 1/16" I.D. Hose to M #10-32
- UT0-2 Universal L 1/16" I.D. Hose to M #10-32
- ST0-2 Swivel L 1/16" I.D. Hose to M #10-32
- CT0-4 Connector L 1/8" I.D. Hose to M #10-32
- UT0-4 Universal L 1/8" I.D. Hose to M #10-32
- ST0-4 Swivel L 1/8" I.D. Hose to M #10-32
- TT0-202 Connector 1/16" I.D. Hose T with M #10-32
- UT0-2002 Universal 1/16" I.D. Hose T with M #10-32
- ST0-2002 Swivel 1/16" I.D. Hose T with M #10-32
- TT0-404 Connector 1/8" I.D. Hose T with M #10-32
- UT0-4004 Universal 1/8" I.D. Hose T with M #10-32
- ST0-4004 Swivel 1/8" I.D. Hose T with M #10-32
- Clippard 1/4" & 5/16" Wrench 11770
- 11761-2 Gasket
- Hose Samples

Part No.	Description
17555-SF1	Slip-On Fittings Kit



MINIMATIC® FITTINGS KITS

Minimatic Fittings Kit



Contains:

- 1/8" NPT to #10-32 L 15090-1
- #10-32 L Fitting 15002-2
- #10-32 Screw Plug 11755
- #10-32 to 1/16" I.D. Hose Fitting 11752-2

- #10-32 Extension Fitting 15010
- 1/8" M NPT to 1/8" I.D. Hose Adapter 11924-1
- Adjustable #10-32 L Fitting 15002-1
- #10-32 X Fitting 15002-4
- Female #10-32 Hex Connector 15004
- #10-32 M to 1/8" I.D. Hose with Swivel 15045
- 1/4" M NPT to #10-32 F Adapter 4CQF
- 1/8" NPT to #10-32 T 15090-2
- #10-32 T Fitting 15002-3
- #10-32 M Short Coupling 11999
- #10-32 to 1/8" I.D. Hose Fitting 11752-3
- Gasket 11761-2
- 12 Port Manifold MAN-12
- Clippard 1/4" & 5/16" Wrench 11770
- 1/8" M NPT to #10-32 F Adapter 2CPF

Part No.	Description
17555	Minimatic Fittings Kit

Minimatic Quick Connect Fittings Kit



Contains:

- 1/8" I.D. T Connector T44-4
- Panel Mount #10-32 F Cap MJQC-CFP
- Panel Mount 1/8" I.D. Hose Cap MJQC-CBP

- 3/8-24 Nuts 0107-48
- Lockwasher 0302-43
- 1/8" F NPT Valve MJQC-VFP
- 1/4" M NPT Valve MJQC-VMP
- 1/8" M NPT Valve MJQC-VMP
- 1/8" M NPT Cap MJQC-CMP
- 1/4" M NPT Cap MJQC-CQP
- 1/8" I.D. Hose Valve MJQC-VB4
- Panel Mount #10-32 F Valve MJQC-VFT
- Panel Mount #10-32 M Valve MJQC-VMT
- #10-32 F Cap MJQC-CFT
- 1/8" I.D. Hose Cap MJQC-CB4
- Gasket 11761-2
- Hose Samples
- Clippard 1/4" & 5/16" Wrench 11770
- #10-32 M to 1/8" I.D. CT4
- UTO-4 UTO-4004

Part No.	Description
17555-QC1	Quick Connect Fittings Kit

hose \ `hōz \ n : a flexible tube for conveying gases or fluids

tubing \ `t(y)u-bing \ n : a stiff material in the form of a tube used for conveying gases or fluids

Do you use a garden tube?

The answer to the question of whether to call it a tube or a hose rests on a fine line, one many people have gotten tangled up in. In both definitions it clearly states that a tube and a hose are used for conveying fluids, yet sometimes one word seems to fit the situation (and the application) better than the other. So remember...

It's a hose when it's flexible and a tube when it's not.

Clippard offers a variety of miniature hose and tubing from copper and nylon tubing to flexible urethane, vinyl and Buna-N hose. The chart below lists these products and their available colors and lengths.



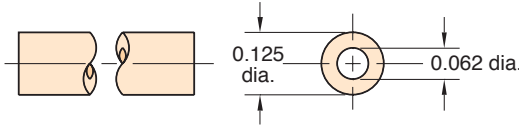
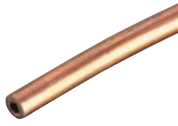
Hose or Tubing Type	-	-	-	-	-	-	-	-		
<p>NYT1 - Single Nylon Tubing</p> <p>VYH1 - Single Vinyl Hose</p> <p>VYH2 - Dual Vinyl Hose</p> <p>URH1 - Single 85 Duro. Polyurethane Hose</p> <p>URH2 - Dual 85 Duro. Polyurethane Hose</p> <p>URH8 - Ribbon 85 Duro. Polyurethane Hose</p> <p>URT1 - Single 95 Duro. Polyurethane Tubing</p> <p>PET1 - Single Polyethylene Tubing</p>	-	-	-	-	-	-	-	-		
								<p>Available Lengths</p> <p>050 - 50' Roll</p> <p>500 - 500' Spool</p>		
								<p>Size: O.D. x I.D.</p> <p>0402 - 1/8" x 1/16"</p> <p>0403 - 1/8" x 3/32"</p> <p>0503 - 5/32" x 3/32"</p> <p>0804 - 1/4" x 1/8"</p> <p>0805 - 1/4" x 0.160"</p> <p>1208 - 3/8" x 1/4"</p> <p>1610 - 1/2" x 0.320"</p> <p>Metric Sizes</p> <p>0604M - 6 mm x 4 mm</p> <p>0805M - 8 mm x 5 mm</p>	<p>Colors: Solid</p> <p>BLS - Blue</p> <p>BKS - Black</p> <p>BRS - Brown</p> <p>GNS - Green</p> <p>GYS - Gray</p> <p>NAS - Natural</p> <p>ORS - Orange</p> <p>RDS - Red</p> <p>WHS - White</p> <p>YLS - Yellow</p> <p>01S - Gray/Black (dual only)</p>	<p>Translucent</p> <p>BLT - Blue</p> <p>CLT - Clear</p> <p>GNT - Green</p> <p>PUT - Purple</p> <p>ORT - Orange</p> <p>RDT - Red</p> <p>YLT - Yellow</p> <p>02T - BLT/GNT/GYS/ORT/PUT/RDT/WHS/YLT (ribbon only)</p>

This chart is to be used as an explanation of our ordering system. See individual listings following this page for sizes and colors available.



CLIPPARD HOSE & TUBING

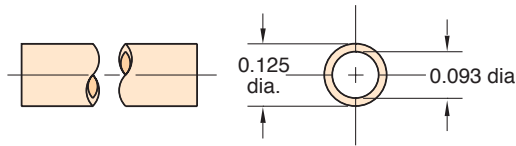
1/8" O.D. Copper Tubing



Part No. Description
3811-1-RL Copper Tubing

Material: High pressure copper
Working Pressures: to 2,500 psig
Static Burst Pressure: over 10,000 psig
Lengths Available: 50'
Bend Radius: 3/8"
Use With: Ferrule tubing connectors: [3810-1](#), [3810-2](#), [11923](#)

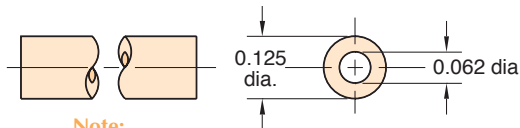
3/32" I.D. Nylon Tubing



Part No.
NYT1-0403-CLT-□

Material: Semi-flexible nylon tubing
Color: Clear / Translucent
Working Range: to 250 psig
Static Burst Pressure: Approx. 1,000 psig
Use With: Ferrule tubing connectors: [11923](#), [3810-1](#), [3810-2](#)
Forming: May be formed into sharp corners with heat
Lengths Available: 50' and 500'
Bend Radius: 3/8"

1/16" I.D. 80A Vinyl Hose

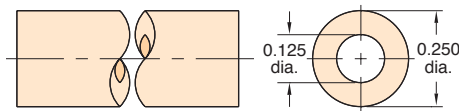


Part No.
VYH1-0402-CLT-□

Note:
Consult factory for custom colors

Type: Flexible, durable vinyl plastic hose
Working Range: 0 to 105 psig at 70°F maximum 60 psig at 80°F or above (max. temp. 100°F)
Use With: Hose fittings: 11752-2 and clamp 5000-4
Bend Radius: 3x hose dia.
Color: Translucent: Clear
Lengths Available: 50' and 500'
Bend Radius: 3/8"

1/8" I.D. 80A Vinyl Hose

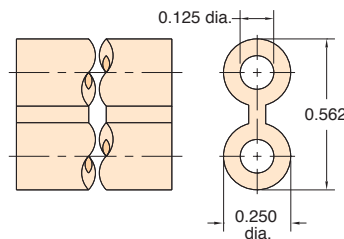


Part No.
VYH1-0804-CLT-□

Note:
Consult factory for custom colors

Working Range: 0 to 105 psig at 70°F maximum 60 psig at 80°F or above (max. temp. 100°F)
Use With: Hose fittings: 11752-1, 11752-3 and 11924
Hose clamps: 5000-2
Bend Radius: 3x hose dia.
Color: Translucent: Clear
Lengths Available: 50' and 500'
Bend Radius: 1/2"

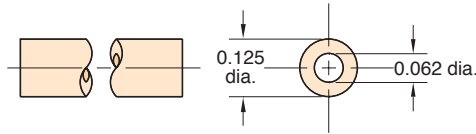
1/8" I.D. Twin Vinyl Hose



Part No.
VTH2-0804-GYS-□

Type: Flexible, durable vinyl plastic hose, but two hoses molded together, one side has rib entire length for identification
Color: Solid: Gray/Gray
Use Clamp: 5000-1
Working Range: 0 to 150 psig at 70°F maximum 60 psig at 80°F or above (max. temp. 100°F)
Use: Ideal for feeding supply in on one line and out on the other, reduces labor; makes neat assembly; may be parted with any sharp cutting edge
Lengths Available: 50' and 500'
Bend Radius: 1/2"

1/16" I.D. 85A Polyurethane Hose



Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Part No.

URH1-0402-□□

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

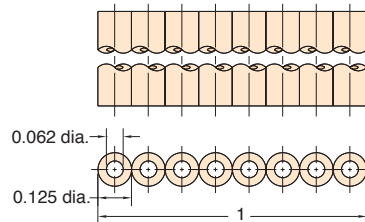
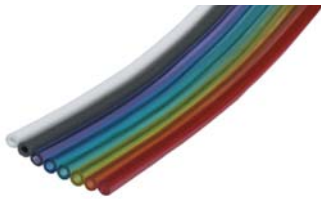
Color: Solid: Black, brown, white, gray, orange
Translucent: Clear, blue, green, red, yellow

Lengths Available: 50' and 500'

Bend Radius: 3/16"

Note: In normal application hose clamps are not required with hose when used with Clippard hose barb fittings

1/16" I.D. 85A Polyurethane Ribbon Hose



Part No.

URH8-0402-02T-050

Type: Flexible, durable urethane hose

Working Range: 0 to 105 psig at 100°F maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

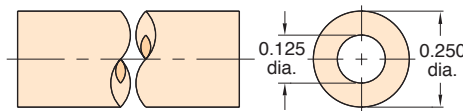
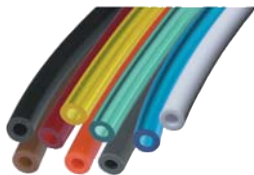
Color: Solid: Gray, white
Translucent: Blue, green, orange, purple, red, yellow

Lengths Available: 50'

Bend Radius: 3/16"

Note: In normal application, hose clamps are not required with hose when used with Clippard hose barb fittings

1/8" I.D. 85A Polyurethane Hose



Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Part No.

URH1-0804-□□

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 425 psig at 70°F

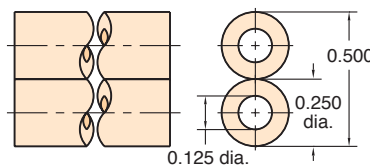
Color: Solid: Black, brown, white, gray, orange
Translucent: Clear, blue, green, red, yellow

Lengths Available: 50' and 500'

Bend Radius: 3/8"

Note: In normal application hose clamps are not required with hose when used with Clippard hose barb fittings

Twin 1/8" I.D. 85A Polyurethane Hose



Part No.

URH2-0804-01S-□

Working Range: 0 to 105 psig at 100°F

Static Burst Pressure: Approximately 425 psig at 70°F

Color: Solid: Gray and black combination

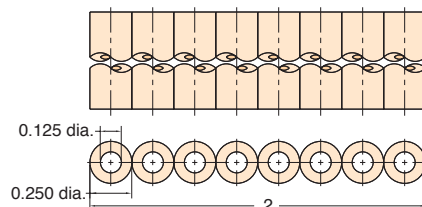
Lengths Available: 50' and 500'

Bend Radius: 3/8"

Use: Ideal for feeding supply in on one line and out on the other; reduces labor; makes neat assembly; may be parted with any sharp cutting edge

Note: In normal application, hose clamps are not required with URH2-0804-01S hose when used with Clippard hose barb fittings

1/8" I.D. 85A Polyurethane Ribbon Hose



Part No.

URH8-0804-02T-050

Type: Flexible, durable urethane hose

Working Range: 0 to 105 psig at 100°F maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Gray, white
Translucent: Blue, green, orange, purple, red, yellow

Lengths Available: 50'

Bend Radius: 3/8"

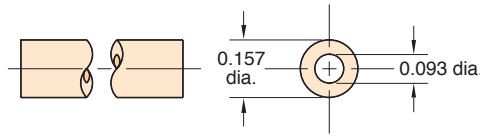
Note: In normal application, hose clamps are not required with hose when used with Clippard hose barb fittings



CLIPPARD HOSE & TUBING

5/32" O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-0503-

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Black, gray, orange, red, white
Translucent: Blue, clear, green, red, yellow

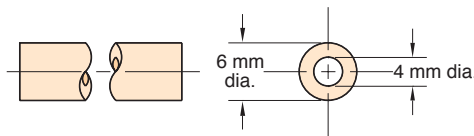
Lengths Available: 50' and 500'

Bend Radius: 3/8"

Note: Designed for use with push-in fittings.

6 mm O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-0604M-

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 450 psig at 70°F

Color: Solid: Black
Translucent: Blue, clear, green, red

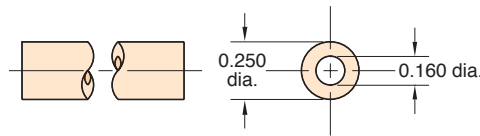
Lengths Available: 50' and 500'

Bend Radius: 1/2"

Note: Designed for use with push-in fittings.

1/4" O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-0805-

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 450 psig at 70°F

Color: Solid: Black, gray, orange, red, white
Translucent: Blue, clear, green, red, yellow

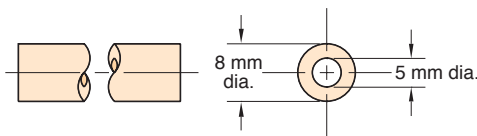
Lengths Available: 50' and 500'

Bend Radius: 1/2"

Note: Designed for use with push-in fittings.

8 mm O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-0805M-CLT-

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 465 psig at 75°F

Color: Clear

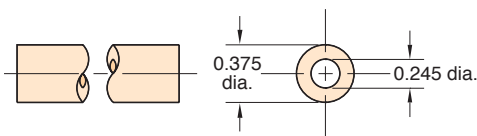
Lengths Available: 50' and 500'

Bend Radius: 3/4"

Note: Designed for use with push-in fittings.

3/8" O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-1208-

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 440 psig at 75°F

Color: Solid: Black
Translucent: Blue, clear, green, red

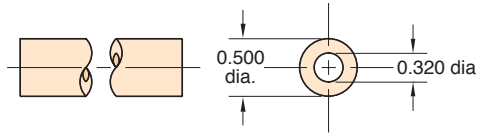
Lengths Available: 50' and 500'

Bend Radius: 7/8"

Note: Designed for use with push-in fittings.

1/2" O.D. 95A Polyurethane Tubing

Flexible, durable ether based tubing



Part No.

URT1-1610-CLT-

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 420 psig at 75°F

Color: Clear

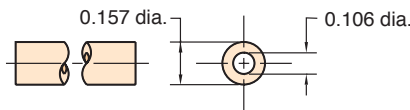
Lengths Available: 50' and 500'

Bend Radius: 1 1/8"

Note: Designed for use with push-in fittings.

5/32" O.D. 50D Polyethylene Tubing

Linear low density tubing



Part No.

PET1-0503--

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, natural will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 540 psig at 75°F

Colors: Solid: Black or Natural

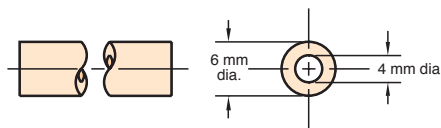
Lengths Available: 50' and 500'

Bend Radius: 1/2"

Note: Designed for use with push-in fittings.

6 mm O.D. 50D Polyethylene Tubing

Linear low density tubing



Part No.

PET1-0604M--

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, natural will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 560 psig at 75°F

Colors: Solid: Black or Natural

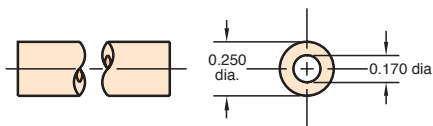
Lengths Available: 50' and 500'

Bend Radius: 1 1/4"

Note: Designed for use with push-in fittings.

1/4" O.D. 50D Polyethylene Tubing

Linear low density tubing



Part No.

PET1-0805--

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, natural will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 480 psig at 75°F

Colors: Solid: Black or Natural

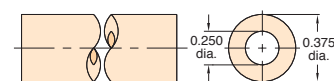
Lengths Available: 50' and 500'

Bend Radius: 1 1/4"

Note: Designed for use with push-in fittings.

3/8" O.D. 50D Polyethylene Tubing

Linear low density tubing



Part No.

PET1-1208--

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, natural will be furnished.

Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 600 psig at 75°F

Colors: Solid: Black or Natural

Lengths Available: 50' and 500'

Bend Radius: 2"

Note: Designed for use with push-in fittings.

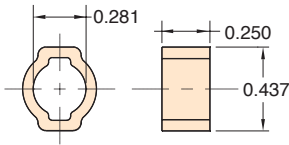


CLIPPARD CLAMPS

Quick Set Hose Clamp



Type: Zinc plated steel
Use: 5000-1 with twin vinyl hose

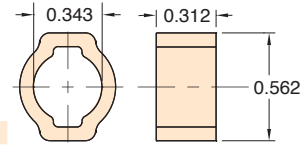


Part No. **Description**
5000-1 **Hose Clamp**

Quick Set Hose Clamp

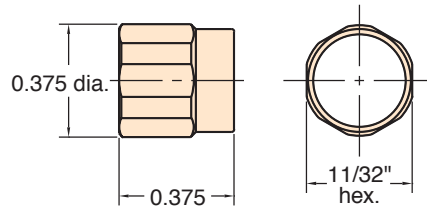


Type: Zinc plated steel



Part No. **Description**
5000-1A **Hose Clamp**

Reusable Hose Clamp



Part No. **Description**
5000-2 **Hose Clamp**

Material: Brass, self-threading, reusable

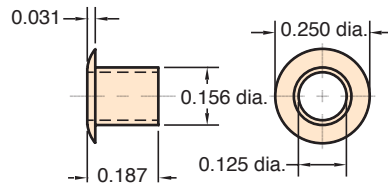
Use With: 11765 Buna-N hose [VYH1-0804-CLT](#) vinyl hose and Clippard hose fittings

Installation: Slip sleeve over hose, push onto fitting, then screw into place; tighten with wrench

Options: (-ENP)



Press-On Hose Clamp



Part No. **Description**
5000-4 **Hose Clamp**

Material: Brass, press-on hose clamp

Use: for [VYH1-0402-CLT](#) hose 1/16" I.D. vinyl

Installation: Simply place hose clamp over hose with flange end out; then press hose partially onto fitting, then slide clamp back toward fitting to secure

Options: (-ENP)



Polyethylene vs Vinyl vs Polyurethane

Polyurethane offers a wider range of chemical compatibility than Vinyl, it may be used at much higher temperatures and clamps are not needed when used with barb fittings. Linear low density polyethylene offers a lower cost alternative to polyurethane and superior environmental stress crack resistance over standard polyethylene. Both polyurethane and polyethylene are FDA approved.

Typical Hose & Tubing Bend Radii

When using hose or tubing, care should always be taken to avoid sharp bends to prevent compressing the inside diameter of the hose or tubing and restricting flow. For extremely close connections, allow a short loop of hose to avoid crimping.

Clippard Hose & Tubing		I.D.	O.D.	Min. Bend Radius
3811-1-RL	Copper Tube	1/16"	1/8"	3/8"
NYT1-XXX	Nylon Tubing	3/32"	1/8"	3/8"
VYH1-XXX	80A Duro. Vinyl Hose	1/16"	1/8"	3/8"
VYH1-XXX	80A Duro. Vinyl Hose	1/8"	1/4"	1/2"
VYH2-XXX	Dual Vinyl Hose	1/8"	1/4"	1/2"
URH1-XXX	85A Duro. Polyurethane Hose	1/16"	1/8"	3/16"
URH8-XXX	Ribbon 85A Duro. Polyurethane	1/16"	1/8"	3/16"
URH1-XXX	85A Duro. Polyurethane Hose	1/8"	1/4"	3/8"
URH2-XXX	Dual 85A Duro. Polyurethane	1/8"	1/4"	3/8"
URH8-0804-XXX	Ribbon 85A Duro. Polyurethane	1/8"	1/4"	3/8"
URT1-0503-XXX	95A Duro. Polyurethane Tubing	3/32"	5/32"	3/8"
URT1-0604M-XXX	95A Duro. Polyurethane Tubing	4 mm	6 mm	1/2"
URT1-0805-XXX	95A Duro. Polyurethane Tubing	0.160"	1/4"	1/2"
URT1-0805M-CLT	95A Duro. Polyurethane Tubing	5 mm	8 mm	3/4"
URT1-1208-XXX	95A Duro. Polyurethane Tubing	0.245"	3/8"	7/8"
URT1-1610-XXX	95A Duro. Polyurethane Tubing	0.320"	1/2"	1 1/8"
PET1-0503-XXX	50D Duro. Polyethylene Tubing	0.106"	5/32"	1/2"
PET1-0604M-XXX	50D Duro. Polyethylene Tubing	4 mm	6 mm	1 1/4"
PET1-0805-XXX	50D Duro. Polyethylene Tubing	0.170"	1/4"	1 1/4"
PET1-1208-XXX	50D Duro. Polyethylene Tubing	1/4"	3/8"	2"