

For simple and quick assembly of pneumatic circuits.

Positive tube connection.

Wide range of types available.

Reliable and corrosion resistant.



Specifications

Fluid:

Compressed air, nitrogen, inert and non-combustible gases compatible with materials of construction.

Note: For other types of fluids or compressed gases, please consult factory.

Working pressure:

29.5" Hg vacuum to 260 psig (750 mm Hg to 18 bar)

Note: Flow Control working pressures: 5 to 150 psig (.3 to 10 bar)

Working temperature:

0°F to 175°F (-20°C to 80°C)

Request FPM option on selected part numbers for extended temperature range : 0°F to 350°F (-20°C to 180°C)

Materials

Body, swivel fitting and collet: Nickel plated brass

O-ring: Silicone free Nitrile
Sealing washer (parallel male threads): silicone free nitrile

Tubing: Nylon 11 or 12, Polyurethane (95 durometer or above) and LDPE (Low Density Polyethylene).

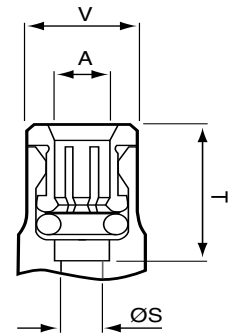
Note: Lower durometer polyurethane may be used, however, an internal tube support is required to prevent internal collapse of the tube wall.
Thread Sealant: Precote 5 thread sealant is factory applied to the circumference of tapered male threads.

Dimensions Inches (mm)

A	T		V
O.D. Tube	S	Tube Stop	
1/8"	0.09 (2.3)	0.53 (13.5)	0.26 (6.5)
5/32" (4)	0.11 (2.8)	0.55 (14.0)	0.30 (7.5)
3/16"	0.13 (3.4)	0.59 (15.1)	0.38 (9.7)
1/4"	0.17 (4.4)	0.61 (15.5)	0.42 (10.7)
5/16" (8)	0.24 (6.0)	0.65 (16.5)	0.51 (13.0)
3/8"	0.30 (7.6)	0.83 (21.0)	0.59 (15.1)
1/2"	0.38 (9.6)	0.96 (24.3)	0.71 (18.1)

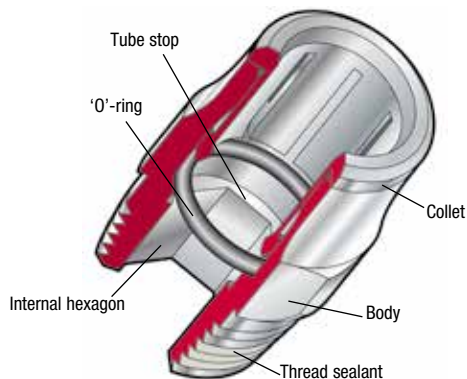
Recommended tightening torques

Thread	Tightening torque ft lbs (N*m)
10-32 UNF	.75 – 1 (1-1.4)
1/8" NPT	5.0 – 6.5 (6.9 – 8.8)
1/4" NPT	8.7 – 10.1 (11.8 – 13.7)
3/8" NPT	15.9 – 17.3 (21.6 – 23.5)
1/2" NPT	20.2 – 21.7 (27.4 – 29.4)



Tube O.D.'s and Tube Tolerances

O.D. Tube Tolerances	Nylon	Polyurethane
Tube O.D.		
1/8" to 1/2"	+0.002" (+0.05 mm)	±0.005"
(3 mm to 14 mm)	-0.004" (-0.10 mm)	(±0.12 mm)



Pneufit Union

O/D tube	Part number
1/8"	120200100
1/8"to1/4"**	120200104
5/32"	120200200
3/16"	120200300
1/4"	120200400
5/16"	120200500
3/8"	120200600
1/2"	120200700



* Reducing union with 1/8" and 1/4" connections

Pneufit Conversion Union (Inch tube to mm tube)

O/D inch	O/D MM	Part number
5/32	4	120200200
3/16	5	120370305
1/4	6	120370406
5/16	8	120200500
3/8	10	120370610
1/2	12	120370712



Pneufit Double Male Union (Plastic)

O/D stem	Part number
5/32"	C20220200
3/16"	C20220300
1/4"	C20220400
5/16"	C20220500
3/8"	C20220600
1/2"	C20220700



Pneufit Tube End Expander/Reducer

O/D tube reducing	O/D stem	Part number
1/8"	5/32"	120230201
1/8"	1/4"	120230401
5/32"	1/4"	120230402
5/32"	5/16"	120230502
5/32"	3/8"	120230602
3/16"	1/4"	120230403
1/4"	5/16"	120230504
1/4"	3/8"	120230604
1/4"	1/2"	120230704
5/16"	1/2"	120230705
3/8"	1/2"	120230706
Expanding		
1/4"	1/8"	120230104
1/4"	5/32"	120230204



Not suitable for use with Pneufit C

Pneufit Bulkhead Union

O/D tube	Metric thread	Part number
1/8"	M10x1.0	120290100
5/32"	M10x1.0	120290200
3/16"	M12x1.0	120290300
1/4"	M14x1.5	120290400
5/16"	M16x1.5	120290500
3/8"	M20x1.5	120290600
1/2"	M24x1.5	120290700



Pneufit Union Elbow

O/D tube	Part number
1/8"	120400100
5/32"	120400200
3/16"	120400300
1/4"	120400400
5/16"	120400500
3/8"	120400600
1/2"	120400700



Pneufit Union Tee

O/D tube	Part number
1/8"	120600100
5/32"	120600200
3/16"	120600300
1/4"	120600400
5/16"	120600500
3/8"	120600600
1/2"	120600700



Pneufit Parallel Union "Y"*

O/D tube	O/D tube	Part number
5/32"	5/32"	120820200
5/32"	1/4"	120820402
1/4"	1/4"	120820400
5/16"	5/16"	120820500

*Body Material: Thermoplastic


Pneumatic Male Adapter

O/D tube	NPT or UNF thread	Part number
1/8"	10-32 UNF	124250110
1/8"	1/16	124250116
1/8"	1/8	124250118
1/8"	1/4	124250128
5/32"	10-32 UNF	124250210
5/32"	1/8	124250218
5/32"	1/4	124250228
3/16"	1/8	124250318
3/16"	1/4	124250328
1/4"	10-32 UNF	124250410
1/4"	1/8	124250418
1/4"	1/4	124250428
1/4"	3/8	124250438
5/16"	1/8	124250518
5/16"	1/4	124250528
5/16"	3/8	124250538
3/8"	1/8	124250618
3/8"	1/4	124250628
3/8"	3/8	124250638
3/8"	1/2	124250648
1/2"	1/4	124250728
1/2"	3/8	124250738
1/2"	1/2	124250748


Pneufit Male Adapter - Conversion (mm O.D. Tube to NPTF [Male] Thread)

A O/D tube	B NPT thread	Part number
4	10-32	124250210
4	1/8	124250218
4	1/4	124250228
5	1/8	104250518
5	1/4	104250528
6	10-32	104250610
6	1/8	104250618
6	1/4	104250628
6	3/8	104250638
8	1/8	124250518
8	1/4	124250528
8	3/8	124250538
10	1/8	104251018
10	1/4	104251028
10	3/8	104251038
10	1/2	104251048
12	1/4	104251228
12	3/8	104251238
12	1/2	104251248


Pneufit Female Bulkhead Adapter

O/D tube	NPT female	Part number
1/4"	1/4	124320428
3/8"	1/4	124320628

Pneufit Male Adapter - Conversion (Inch O.D. Tube to ISO R [Male] Thread)

O/D tube	ISO R thread	Part number
1/8"	1/8	121250118
5/32"	1/8	101250418
5/32"	1/4	101250428
1/4"	1/8	121250418
1/4"	1/4	121250428
1/4"	3/8	121250438
5/16"	1/8	101250818
5/16"	1/4	101250828
5/16"	3/8	101250838
3/8"	1/8	121250618
3/8"	1/4	121250628
3/8"	3/8	121250638
3/8"	1/2	121250648
1/2"	1/4	121250728
1/2"	3/8	121250738
1/2"	1/2	121250748



Pneufit Stem Adapter

O/D tube	NPT thread	Part number
3/32"	10-32	124150210
1/4"	1/8	124150418
1/4"	1/4	124150428

Not suitable for use with Pneufit C



Pneufit Female Adapter

O/D Tube	NPT Thread	Part Number
1/8"	1/8	124260118
1/8"	1/4	124260128
5/32"	1/8	124260218
5/32"	1/4	124260228
1/4"	1/8	124260418
1/4"	1/4	124260428
5/16"	1/8	124260518
5/16"	1/4	124260528
3/8"	1/4	124260628
3/8"	3/8	124260638



Pneufit Fixed Male Elbow

O/D tube	NPT thread	Part number
1/8"	1/8	124450118
5/32"	1/8	124450218
5/32"	1/4	124450228
3/16"	1/8	124450318
3/16"	1/4	124450328
1/4"	1/8	124450418
1/4"	1/4	124450428
1/4"	3/8	124450438
5/16"	1/8	124450518
5/16"	1/4	124450528
3/8"	1/8	124450618
3/8"	1/4	124450628
3/8"	3/8	124450638
3/8"	1/2	124450648
1/2"	1/4	124450728
1/2"	3/8	124450738
1/2"	1/2	124450748



Pneufit Swivel Male Elbow

O/D tube	NPT or UNF thread	Part number
1/8"	10-32 UNF	124470110
1/8"	1/8	124470118
1/8"	1/4	124470128
5/32"	10-32 UNF	124470210
5/32"	1/8	124470218
5/32"	1/4	124470228
3/16"	1/8	124470318
3/16"	1/4	124470328
1/4"	10-32 UNF	124470410
1/4"	1/8	124470418
1/4"	1/4	124470428
1/4"	3/8	124470438
5/16"	1/8	124470518
5/16"	1/4	124470528
3/8"	1/8	124470618
3/8"	1/4	124470628
3/8"	3/8	124470638
3/8"	1/2	124470648
1/2"	1/4	124470728
1/2"	3/8	124470738
1/2"	1/2	124470748



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Pneufit Extended Swivel Male Elbow

O/D tube	NPT thread	Part number
5/32"	1/8	124540218
1/4"	1/8	124540418
1/4"	1/4	124540428
1/4"	3/8	124540438
3/8"	1/4	124540628
3/8"	3/8	124540638



Pneufit Swivel Male Elbow

O/D tube	ISO thread	Part number
1/4"	G1/8	122470418
1/4"	G1/4	122470428



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Swivel Female Elbow

O/D tube	NPT thread	Part number
1/8"	1/8	124480118
5/32"	1/8	124480218
5/32"	1/4	124480228
1/4"	1/8	124480418
1/4"	1/4	124480428
3/8"	1/4	124480628
1/2"	3/8	124480738



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Pneufit Swivel Male Tee

O/D tube	NPT or UNF thread	Part number
1/8"	10-32 UNF	124670110
1/8"	1/8	124670118
1/8"	1/4	124670128
5/32"	10-32 UNF	124670210
5/32"	1/8	124670218
5/32"	1/4	124670228
3/16"	1/8	124670318
1/4"	1/8	124670418
1/4"	1/4	124670428
1/4"	3/8	124670438
5/16"	1/8	124670518
5/16"	1/4	124670528
3/8"	1/8	124670618
3/8"	1/4	124670628
3/8"	3/8	124670638
3/8"	1/2	124670648
1/2"	1/4	124670728
1/2"	3/8	124670738
1/2"	1/2	124670748



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Pneufit Banjo Elbow

O/D tube	NPT or UNF thread	Part number
5/32"	10-32 UNF	12R510210
5/32"	1/8	12R510218
1/4"	1/8	12R510418
1/4"	1/4	12R510428
1/4"	3/8	12R510438
3/8"	1/4	12R510628



Pneufit Banjo Tee

O/D tube	NPT or UNF thread	Part number
5/32"	10-32 UNF	12R710210
1/4"	1/8	12R710418
3/8"	1/4	12R710628
3/8"	3/8	12R710638



Pneufit Swivel Male Side Tee

O/D tube	NPT or UNF thread	Part number
1/8"	1/8	124680118
1/8"	1/4	124680128
5/32"	10-32 UNF	124680210
5/32"	1/8	124680218
5/32"	1/4	124680228
1/4"	1/8	124680418
1/4"	1/4	124680428
1/4"	3/8	124680438
5/16"	1/8	124680518
5/16"	1/4	124680528
3/8"	1/8	124680618
3/8"	1/4	124680628
3/8"	3/8	124680638
3/8"	1/2	124680648
1/2"	3/8	124680738
1/2"	1/2	124680748



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

Pneufit Plug*

O/D stem	Part number
1/8"	120040100
1/4"	120040400
3/8"	120040600



* Material: Nickel plated Brass

Pneufit Manifold**

A O/D tube	B O/D tube	C NPT thread	Product number
5/16"	1/4"	1/4"	124D60428
5/16"	1/4"	3/8"	124D60438

**Body material PBT



Pneufit Manifold**

A O/D tube	B O/D tube	Product number
1/4"	5/32"	120D60402

**Body material PBT



Pneufit Male Swivel Y*

O/D tube	NPT thread	Part number
1/4"	1/8	124880418
1/4"	1/4	124880428
3/8"	3/8	124880638



*Material: Thermoplastic