

PUSH-IN FITTINGS

TecnaAir®

DRIVE & CONTROL TECHNOLOGY



- Plastic
- Nickel Plated Brass
- 316 Stainless Steel

www.tecnair.co.uk

Plastic Push-in Fittings

Metric Fittings

Tube OD: 4, 6, 8, 10 & 12 mm

Imperial Fittings

Tube OD: 3/16, 1/4, 5/16, 3/8 & 1/2



Features

- Metric & Imperial Range**
 Vast range of sizes and types
- Security**
 Design incorporates a single stainless steel locking ring, which securely locks the tube in position.
- Compliance**
 TecAir plastic fittings are RoHS and PED compliant.

TECHNICAL DATA

Material	Body: Technopolymer Fixing: Nickel Plated Brass, Locking Ring: Stainless Steel
Tube OD (mm)	4, 6, 8, 10, 12
(imperial)	3/16, 1/4, 5/16, 3/8, 1/2
Seals	Oil resistant rubber (NBR)
Operating Pressure	-0.99 to 10 bar
Operating temperature	-10°C to +80°C
Media	Filtered Compressed Air and Vacuum
Tube Tolerance	4 to 10mm tube ± 0.05 , 12mm tube ± 0.1
Preferred Tube Material	Polyurethane, Nylon (PA12), Rilsan, Teflon

TUBE INSERTION



Ensure tube is pushed fully home, past the "O" Ring. Mark tube depth for added safety and visually check.



To remove tube, push the release collar towards the fitting.



Holding the collar in this position, pull tube out.

The tube is retained in the fitting by means of a stainless steel Locking Ring. By pushing the collar towards the fitting when attempting to release the tube, the Locking Ring disengages the tube and allows you to pull the tube out simultaneously.
It is the designers responsibility to ensure adequate safety precautions are taken when fittings are used in high risk applications.

METRIC

Straight Connector Taper



Part Number	Tube OD	BSP T Male
HA030418	4	R1/8
HA030414	4	R1/4
HA030618	6	R1/8
HA030614	6	R1/4
HA030818	8	R1/8
HA030814	8	R1/4
HA030838	8	R3/8
HA031018	10	R1/8
HA031014	10	R1/4
HA031038	10	R3/8
HA031012	10	R1/2
HA031214	12	R1/4
HA031238	12	R3/8
HA031212	12	R1/2

Straight Connector Parallel



Part Number	Tube OD	BSP P Male
HA0403M3	3	M3
HA0403M5	3	M5
HA0404M5	4	M5
HA040418	4	G1/8
HA040414	4	G1/4
HA0406M5	6	GM5
HA040618	6	G1/8
HA040614	6	G1/4
HA040818	8	G1/8
HA040814	8	G1/4
HA040838	8	G3/8
HA041014	10	G1/4
HA041038	10	G3/8
HA041012	10	G1/2
HA041214	12	G1/4
HA041238	12	G3/8
HA041212	12	G1/2

Straight Female Connector



Part Number	Tube OD	BSP P Female
HA070418	4	G1/8
HA070414	4	G1/4
HA070618	6	G1/8
HA070614	6	G1/4
HA070818	8	G1/8
HA070814	8	G1/4
HA070838	8	G3/8
HA071014	10	G1/4
HA071038	10	G3/8
HA071012	10	G1/2
HA071214	12	G1/4
HA071238	12	G3/8
HA071212	12	G1/2

Straight Connector



Part Number	Tube OD	Tube OD
HA190400	4	4
HA190604	6	4
HA190600	6	6
HA190806	8	6
HA190800	8	8
HA191008	10	8
HA191000	10	10
HA191210	12	10
HA191200	12	12

Plug



Part Number	Tube OD
HA260400	4
HA260600	6
HA260800	8
HA261000	10
HA261200	12

Reducing Stem



Part Number	Tube OD	Tube OD
HA240406	4	6
HA240408	4	8
HA240608	6	8
HA240610	6	10
HA240612	6	12
HA240810	8	10
HA240812	8	12
HA241012	10	12

METRIC

Equal Elbow



Part Number	Tube OD
HA200400	4
HA200600	6
HA200800	8
HA201000	10
HA201200	12

Male Elbow Taper



Part Number	Tube OD	BSP T Male
HA090418	4	R1/8
HA090414	4	R1/4
HA090618	6	R1/8
HA090614	6	R1/4
HA090818	8	R1/8
HA090814	8	R1/4
HA090838	8	R3/8
HA091014	10	R1/4
HA091038	10	R3/8
HA091012	10	R1/2
HA091238	12	R3/8
HA091212	12	R1/2

Female Elbow



Part Number	Tube OD	BSP P Female
HA080418	4	G1/8
HA080414	4	G1/4
HA080618	6	G1/8
HA080614	6	G1/4
HA080818	8	G1/8
HA080814	8	G1/4
HA080838	8	G3/8
HA081014	10	G1/4
HA081038	10	G3/8
HA081012	10	G1/2
HA081238	12	G3/8
HA081212	12	G1/2

Male Elbow Parallel



Part Number	Tube OD	Male Thread
HA1004M5	4	M5
HA100418	4	G1/8
HA100414	4	G1/4
HA1006M5	6	M5
HA100618	6	G1/8
HA100614	6	G1/4
HA100818	8	G1/8
HA100814	8	G1/4
HA100838	8	G3/8
HA101014	10	G1/4
HA101038	10	G3/8
HA101012	10	G1/2
HA101214	12	G1/4
HA101238	12	G3/8
HA101212	12	G1/2

Extended Swivel Elbow Taper



Part Number	Tube OD	Male Thread
HA110418	4	R1/8
HA110414	4	R1/4
HA110618	6	R1/8
HA110614	6	R1/4
HA110638	6	R3/8
HA110818	8	R1/8
HA110814	8	R1/4
HA110838	8	R3/8
HA111014	10	R1/4
HA111038	10	R3/8
HA111012	10	R1/2
HA111214	12	R1/4
HA111238	12	R3/8
HA111212	12	R1/2

Extended Swivel Elbow Parallel



Part Number	Tube OD	Male Thread
HA1204M5	4	M5
HA120418	4	G1/8
HA120414	4	G1/4
HA1206M5	6	M5
HA120618	6	G1/8
HA120614	6	G1/4
HA120638	6	G3/8
HA120818	8	G1/8
HA120814	8	G1/4
HA120838	8	G3/8
HA121014	10	G1/4
HA121038	10	G3/8
HA121012	10	G1/2
HA121214	12	G1/4
HA121238	12	G3/8
HA121212	12	G1/2

METRIC

Equal Tee



Part Number	Tube OD
HA210400	4
HA210600	6
HA210800	8
HA211000	10
HA211200	12

Tee Branch Taper Male



Part Number	Tube OD	Male Thread
HA150418	4	R1/8
HA150414	4	R1/4
HA150618	6	R1/8
HA150614	6	R1/4
HA150818	8	R1/8
HA150814	8	R1/4
HA150838	8	R3/8
HA151014	10	R1/4
HA151038	10	R3/8
HA151012	10	R1/2
HA151214	12	R1/4
HA151238	12	R3/8
HA151212	12	R1/2

Tee Branch Parallel Male



Part Number	Tube OD	Male Thread
HA1604M5	4	M5
HA160418	4	G1/8
HA1606M5	6	M5
HA160618	6	G1/8
HA160614	6	G1/4
HA160818	8	G1/8
HA160814	8	G1/4
HA160838	8	G3/8
HA161014	10	G1/4
HA161038	10	G3/8
HA161012	10	G1/2
HA161238	12	G3/8
HA161212	12	G1/2

Tee Run Parallel Male



Part Number	Tube OD	Male Thread
HA1404M5	4	M5
HA140418	4	G1/8
HA1406M5	6	M5
HA140618	6	G1/8
HA140614	6	G1/4
HA140818	8	G1/8
HA140814	8	G1/4
HA140838	8	G3/8
HA141014	10	G1/4
HA141038	10	G3/8
HA141012	10	G1/2
HA141238	12	G3/8
HA141212	12	G1/2

Tee Run Taper Male



Part Number	Tube OD	Male Thread
HA130418	4	R1/8
HA130414	4	R1/4
HA130618	6	R1/8
HA130614	6	R1/4
HA130818	8	R1/8
HA130814	8	R1/4
HA130838	8	R3/8
HA131014	10	R1/4
HA131038	10	R3/8
HA131012	10	R1/2
HA131214	12	R1/4
HA131238	12	R3/8
HA131212	12	R1/2

Cross



Part Number	Tube OD
HA220400	4
HA220600	6
HA220800	8
HA221000	10
HA221200	12

METRIC

Y Connector Taper Male



Part Number	Tube OD	Male Thread
HA170418	4	R1/8
HA170414	4	R1/4
HA170618	6	R1/8
HA170614	6	R1/4
HA170818	8	R1/8
HA170814	8	R1/4
HA170838	8	R3/8
HA171014	10	R1/4
HA171038	10	R3/8
HA171012	10	R1/2
HA171238	12	R3/8
HA171212	12	R1/2

Y Connector Parallel Male



Part Number	Tube OD	Male Thread
HA1804M5	4	M5
HA180418	4	G1/8
HA1806M5	6	M5
HA180618	6	G1/8
HA180614	6	G1/4
HA180818	8	G1/8
HA180814	8	G1/4
HA180838	8	G3/8
HA181014	10	G1/4
HA181038	10	G3/8
HA181012	10	G1/2
HA181238	12	G3/8
HA181212	12	G1/2

Y Connector



Part Number	Tube OD	Tube OD
HA230404	4	4
HA230604	6	4
HA230606	6	6
HA230806	8	6
HA230808	8	8
HA231008	10	8
HA231010	10	10
HA231210	12	10
HA231212	12	12

Y Connector Male Stem



Part Number	Tube OD
HA250400	4
HA250600	6
HA250800	8
HA251000	10
HA251200	12

Multi Branch Tee Male



Part Number	Tube OD	Male Thread
HA320418	4	G1/8
HA320414	4	G1/4
HA320618	6	G1/8
HA320614	6	G1/4
HA320638	6	G3/8
HA320818	8	G1/8
HA320814	8	G1/4
HA320838	8	G3/8

Multi Branch Reducing Tee



Part Number	Branch Tube OD	Outlet Tube OD
HA300604	6	4
HA300804	8	4
HA300806	8	6
HA301006	10	6
HA301008	10	8

Multi Branch Tee



Part Number	Tube OD
HA290400	4
HA290600	6
HA290800	8

Bulkhead Connector



Part Number	Tube OD
HA330004	4
HA330006	6
HA330008	8
HA330010	10
HA330012	12

METRIC

Swivel Elbow Banjo Style



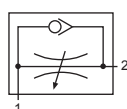
Part Number	Tube OD	Male Thread
HA2704M5	4	M5
HA270418	4	G1/8
HA2706M5	6	M5
HA270618	6	G1/8
HA270614	6	G1/4
HA270818	8	G1/8
HA270814	8	G1/4
HA270838	8	G3/8
HA271014	10	G1/4
HA271038	10	G3/8
HA271012	10	G1/2
HA271214	12	G1/4
HA271238	12	G3/8
HA271212	12	G1/2

Female Swivel Elbow Banjo Style



Part Number	Tube OD	Male Thread
HA2804M5	4	M5
HA280418	4	G1/8
HA2806M5	6	M5
HA280618	6	G1/8
HA280614	6	G1/4
HA280818	8	G1/8
HA280814	8	G1/4
HA280838	8	G3/8
HA281014	10	G1/4
HA281038	10	G3/8
HA281012	10	G1/2
HA281214	12	G1/4
HA281238	12	G3/8
HA281212	12	G1/2

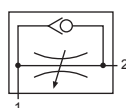
Banjo Flow Control Valve Cylinder Mounted



Port 1 = Threaded Connection

Part Number	Tube OD	Male Thread
HC0104M5	4	M5
HC010418	4	G1/8
HC010414	4	G1/4
HC0106M5	6	M5
HC010618	6	G1/8
HC010614	6	G1/4
HC010818	8	G1/8
HC010814	8	G1/4
HC010838	8	G3/8
HC011014	10	G1/4
HC011038	10	G3/8
HC011012	10	G1/2
HC011238	12	G3/8
HC011212	12	G1/2

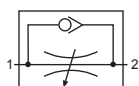
Banjo Flow Control Valve Valve Mounted



Port 1 = Threaded Connection

Part Number	Tube OD	Male Thread
HC0204M5	4	M5
HC020418	4	G1/8
HC020414	4	G1/4
HC0206M5	6	M5
HC020618	6	G1/8
HC020614	6	G1/4
HC020818	8	G1/8
HC020814	8	G1/4
HC020838	8	G3/8
HC021014	10	G1/4
HC021038	10	G3/8
HC021012	10	G1/2
HC021238	12	G3/8
HC021212	12	G1/2

In-Line Flow Control Valve



Part Number	Tube Inlet (mm)	Tube Outlet (mm)
HC040404	4	4
HC040606	6	6
HC040808	8	8
HC041010	10	10
HC041212	12	12

IMPERIAL

Straight Connector Taper



Part Number	Tube OD	Male Thread
HPOC3/16-01	3/16	R1/8
HPOC3/16-02	3/16	R1/4
HPOC1/4-01	1/4	R1/8
HPOC1/4-02	1/4	R1/4
HPOC1/4-03	1/4	R3/8
HPOC1/4-04	1/4	R1/2
HPOC5/16-01	5/16	R1/8
HPOC5/16-02	5/16	R1/4
HPOC5/16-03	5/16	R3/8
HPOC5/16-04	5/16	R1/2
HPOC3/8-01	3/8	R1/8
HPOC3/8-02	3/8	R1/4
HPOC3/8-03	3/8	R3/8
HPOC3/8-04	3/8	R1/2
HPOC1/2-01	1/2	R1/8
HPOC1/2-02	1/2	R1/4
HPOC1/2-03	1/2	R3/8
HPOC1/2-04	1/2	R1/2

Straight Connector Taper



Part Number	Tube OD	Male Thread
HPC3/16-01	3/16	R1/8
HPC3/16-02	3/16	R1/4
HPC1/4-01	1/4	R1/8
HPC1/4-02	1/4	R1/4
HPC1/4-03	1/4	R3/8
HPC1/4-04	1/4	R1/2
HPC5/16-01	5/16	R1/8
HPC5/16-02	5/16	R1/4
HPC5/16-03	5/16	R3/8
HPC5/16-04	5/16	R1/2
HPC3/8-01	3/8	R1/8
HPC3/8-02	3/8	R1/4
HPC3/8-03	3/8	R3/8
HPC3/8-04	3/8	R1/2
HPC1/2-01	1/2	R1/8
HPC1/2-02	1/2	R1/4
HPC1/2-03	1/2	R3/8
HPC1/2-04	1/2	R1/2

Straight Female Connector



Part Number	Tube OD	Female Thread
HPCF3/16-01	3/16	R1/8
HPCF3/16-02	3/16	R1/4
HPCF1/4-01	1/4	R1/8
HPCF1/4-02	1/4	R1/4
HPCF1/4-03	1/4	R3/8
HPCF1/4-04	1/4	R1/2
HPCF5/16-01	5/16	R1/8
HPCF5/16-02	5/16	R1/4
HPCF5/16-03	5/16	R3/8
HPCF5/16-04	5/16	R1/2
HPCF3/8-01	3/8	R1/8
HPCF3/8-02	3/8	R1/4
HPCF3/8-03	3/8	R3/8
HPCF3/8-04	3/8	R1/2
HPCF1/2-01	1/2	R1/8
HPCF1/2-02	1/2	R1/4
HPCF1/2-03	1/2	R3/8
HPCF1/2-04	1/2	R1/2

Straight Connector



Part Number	Tube OD	Tube OD
HPU3/16	3/16	3/16
HPU1/4	1/4	1/4
HPU5/16	5/16	5/16
HPU3/8	3/8	3/8
HPU1/2	1/2	1/2

Reducing Connector



Part Number	Tube OD	Tube OD
HPG1/4-3/16	1/4	3/16
HPG5/16-1/4	5/16	1/4
HPG3/8-5/16	3/8	5/16
HPG1/2-3/8	1/2	3/8

IMPERIAL

Equal Elbow



Part Number	Tube OD
HPV3/16	3/16
HPV1/4	1/4
HPV5/16	5/16
HPV3/8	3/8
HPV1/2	1/2

Male Elbow Taper



Part Number	Tube OD	Male Thread
HPL3/16-01	3/16	R1/8
HPL3/16-02	3/16	R1/4
HPL1/4-01	1/4	R1/8
HPL1/4-02	1/4	R1/4
HPL1/4-03	1/4	R3/8
HPL1/4-04	1/4	R1/2
HPL5/16-01	5/16	R1/8
HPL5/16-02	5/16	R1/4
HPL5/16-03	5/16	R3/8
HPL5/16-04	5/16	R1/2
HPL3/8-01	3/8	R1/8
HPL3/8-02	3/8	R1/4
HPL3/8-03	3/8	R3/8
HPL3/8-04	3/8	R1/2
HPL1/2-01	1/2	R1/8
HPL1/2-02	1/2	R1/4
HPL1/2-03	1/2	R3/8
HPL1/2-04	1/2	R1/2

Female Elbow



Part Number	Tube OD	Female Thread
HPLF3/16-01	3/16	R1/8
HPLF3/16-02	3/16	R1/4
HPLF1/4-01	1/4	R1/8
HPLF1/4-02	1/4	R1/4
HPLF1/4-03	1/4	R3/8
HPLF1/4-04	1/4	R1/2
HPLF5/16-01	5/16	R1/8
HPLF5/16-02	5/16	R1/4
HPLF5/16-03	5/16	R3/8
HPLF5/16-04	5/16	R1/2
HPLF3/8-01	3/8	R1/8
HPLF3/8-02	3/8	R1/4
HPLF3/8-03	3/8	R3/8
HPLF3/8-04	3/8	R1/2
HPLF1/2-01	1/2	R1/8
HPLF1/2-02	1/2	R1/4
HPLF1/2-03	1/2	R3/8
HPLF1/2-04	1/2	R1/2

Straight Connector Taper



Part Number	Tube OD	Male Thread
HPC3/16-01	3/16	R1/8
HPC3/16-02	3/16	R1/4
HPC1/4-01	1/4	R1/8
HPC1/4-02	1/4	R1/4
HPC1/4-03	1/4	R3/8
HPC1/4-04	1/4	R1/2
HPC5/16-01	5/16	R1/8
HPC5/16-02	5/16	R1/4
HPC5/16-03	5/16	R3/8
HPC5/16-04	5/16	R1/2
HPC3/8-01	3/8	R1/8
HPC3/8-02	3/8	R1/4
HPC3/8-03	3/8	R3/8
HPC3/8-04	3/8	R1/2
HPC1/2-01	1/2	R1/8
HPC1/2-02	1/2	R1/4
HPC1/2-03	1/2	R3/8
HPC1/2-04	1/2	R1/2

IMPERIAL

Swivel Elbow Banjo Style



Part Number	Tube OD	Male Thread
HPH3/16-01	3/16	R1/8
HPH3/16-02	3/16	R1/4
HPH1/4-01	1/4	R1/8
HPH1/4-02	1/4	R1/4
HPH1/4-03	1/4	R3/8
HPH1/4-04	1/4	R1/2
HPH5/16-01	5/16	R1/8
HPH5/16-02	5/16	R1/4
HPH5/16-03	5/16	R3/8
HPH5/16-04	5/16	R1/2
HPH3/8-01	3/8	R1/8
HPH3/8-02	3/8	R1/4
HPH3/8-03	3/8	R3/8
HPH3/8-04	3/8	R1/2
HPH1/2-01	1/2	R1/8
HPH1/2-02	1/2	R1/4
HPH1/2-03	1/2	R3/8
HPH1/2-04	1/2	R1/2

Female Swivel Elbow Banjo Style



Part Number	Tube OD	Male Thread
HPHF3/16-01	3/16	R1/8
HPHF3/16-02	3/16	R1/4
HPHF1/4-01	1/4	R1/8
HPHF1/4-02	1/4	R1/4
HPHF1/4-03	1/4	R3/8
HPHF1/4-04	1/4	R1/2
HPHF5/16-01	5/16	R1/8
HPHF5/16-02	5/16	R1/4
HPHF5/16-03	5/16	R3/8
HPHF5/16-04	5/16	R1/2
HPHF3/8-01	3/8	R1/8
HPHF3/8-02	3/8	R1/4
HPHF3/8-03	3/8	R3/8
HPHF3/8-04	3/8	R1/2
HPHF1/2-01	1/2	R1/8
HPHF1/2-02	1/2	R1/4
HPHF1/2-03	1/2	R3/8
HPHF1/2-04	1/2	R1/2

Equal Tee



Part Number	Tube OD
HPE3/16	3/16
HPE1/4	1/4
HPE5/16	5/16
HPE3/8	3/8
HPE1/2	1/2

Reducing Tee



Part Number	Inlet Tube OD	Outlets Tube OD
HPEG1/4-3/16	1/4	3/16
HPEG5/16-1/4	5/16	1/4
HPEG3/8-5/16	3/8	5/16
HPEG1/2-3/8	1/2	3/8

Tee Run Taper Male



Part Number	Tube OD	Male Thread
HPD3/16-01	3/16	R1/8
HPD3/16-02	3/16	R1/4
HPD1/4-01	1/4	R1/8
HPD1/4-02	1/4	R1/4
HPD1/4-03	1/4	R3/8
HPD1/4-04	1/4	R1/2
HPD5/16-01	5/16	R1/8
HPD5/16-02	5/16	R1/4
HPD5/16-03	5/16	R3/8
HPD5/16-04	5/16	R1/2
HPD3/8-01	3/8	R1/8
HPD3/8-02	3/8	R1/4
HPD3/8-03	3/8	R3/8
HPD3/8-04	3/8	R1/2
HPD1/2-01	1/2	R1/8
HPD1/2-02	1/2	R1/4
HPD1/2-03	1/2	R3/8
HPD1/2-04	1/2	R1/2

Tee Branch Taper Male



Part Number	Tube OD	Male Thread
HPB3/16-01	3/16	R1/8
HPB3/16-02	3/16	R1/4
HPB1/4-01	1/4	R1/8
HPB1/4-02	1/4	R1/4
HPB1/4-03	1/4	R3/8
HPB1/4-04	1/4	R1/2
HPB5/16-01	5/16	R1/8
HPB5/16-02	5/16	R1/4
HPB5/16-03	5/16	R3/8
HPB5/16-04	5/16	R1/2
HPB3/8-01	3/8	R1/8
HPB3/8-02	3/8	R1/4
HPB3/8-03	3/8	R3/8
HPB3/8-04	3/8	R1/2
HPB1/2-01	1/2	R1/8
HPB1/2-02	1/2	R1/4
HPB1/2-03	1/2	R3/8
HPB1/2-04	1/2	R1/2

IMPERIAL

Y Connector



Part Number	Tube OD
HPY3/16	3/16
HPY1/4	1/4
HPY5/16	5/16
HPY3/8	3/8
HPY1/2	1/2

Reducing Union Y



Part Number	Inlet Tube OD	Outlets Tube OD
HPW1/4-3/16	1/4	3/16
HPW5/16-1/4	5/16	1/4
HPW3/8-5/16	3/8	5/16
HPW1/2-3/8	1/2	3/8

Y Connector Taper Male



Part Number	Tube OD	Male Thread
HPX3/16-01	3/16	R1/8
HPX3/16-02	3/16	R1/4
HPX1/4-01	1/4	R1/8
HPX1/4-02	1/4	R1/4
HPX1/4-03	1/4	R3/8
HPX1/4-04	1/4	R1/2
HPX5/16-01	5/16	R1/8
HPX5/16-02	5/16	R1/4
HPX5/16-03	5/16	R3/8
HPX5/16-04	5/16	R1/2
HPX3/8-01	3/8	R1/8
HPX3/8-02	3/8	R1/4
HPX3/8-03	3/8	R3/8
HPX3/8-04	3/8	R1/2
HPX1/2-01	1/2	R1/8
HPX1/2-02	1/2	R1/4
HPX1/2-03	1/2	R3/8
HPX1/2-04	1/2	R1/2

Metal Push-in Fittings

Heavy Duty Series
Tube OD: 4, 6, 8, 10, 12 & 14 mm



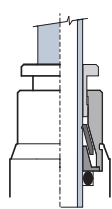
Features

- High Flow**
Full flow fittings in accordance with internal diameter of tube selected.
- Security**
Design incorporates a double clamping security locking ring, which eliminates the possibility of the tube being pulled accidentally from the fitting. An internal support ring reduces the possibility of air leakage, by retaining the sealing position at all times.
- Compliance**
TecnAir metal fittings are in accordance with ISO 14743 and are RoHS and PED compliant.

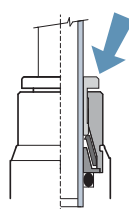
TECHNICAL DATA

Materials	Nickel Plated Brass (EN-12164 - CW614N), Nickel Plated Zamak (UNI ISN 1774:99)
Tube OD (mm)	4 / 5 / 6 / 8 / 10 / 12 / 14
Seals	Oil resistant Rubber (NBR)
Operating Pressure	-0.99 to 18 bar
Operating temperature	-10°C to +80°C
Media	Filtered Compressed Air and Vacuum
Tube Tolerance	4 to 10mm tube ± 0.05 , 12 to 14 mm tube ± 0.1
Preferred Tube Material	Polyurethane, Nylon (PA6), Rilsan (PA11/12), Teflon

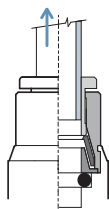
TUBE INSERTION



Ensure tube is pushed fully home, past the Stop Ring. Mark tube depth for added safety and visually check.



To remove tube, push the release collar towards the fitting.



Holding the collar in this position, pull tube out.

The tube is retained in the fitting by means of twin locking rings. By pushing the collar towards the fitting when attempting to release the tube, the Upper Ring disengages the tube and forces the Locking Ring to release allowing you to pull the tube out simultaneously. It is the designers responsibility to ensure adequate safety precautions are taken when fittings are used in high risk applications.

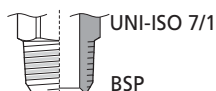
CONNECTING THREADS

PARALLEL THREAD (MALE) with "O" Ring



UNI-ISO 228/1
UNI -5542 65

TAPERED THREADS (MALE) P.T.F.E dipped



UNI-ISO 7/1
BSP

PARALLEL THREAD (FEMALE)



UNI-ISO 228/1

Straight Connector Taper



Part Number	Male Thread	Tube OD
108040	R1/8	4
104040	R1/4	4
108050	R1/8	5
104050	R1/4	5
108060	R1/8	6
104060	R1/4	6
108080	R1/8	8
104080	R1/4	8
103080	R3/8	8
104100	R1/4	10
103100	R3/8	10
102100	R1/2	10
104120	R1/4	12
103120	R3/8	12
102120	R1/2	12
103140	R3/8	14
102140	R1/2	14

Straight Connector Parallel



Part Number	Male Thread	Tube OD
105048	M5	4
105058	M5	5
105068	M5	6
108048	G1/8	4
104048	G1/4	4
108058	G1/8	5
104058	G1/4	5
108068	G1/8	6
104068	G1/4	6
108088	G1/8	8
104088	G1/4	8
103088	G3/8	8
104108	G1/4	10
103108	G3/8	10
102108	G1/2	10
104128	G1/4	12
103128	G3/8	12
102128	G1/2	12
103148	G3/8	14
102148	G1/2	14

Straight Female Connector



Part Number	Female Thread	Tube OD
235040	M5	4
238040	G1/8	4
234040	G1/4	4
238050	G1/8	5
238060	G1/8	6
234060	G1/4	6
238080	G1/8	8
234080	G1/4	8
234100	G1/4	10
233100	G3/8	10
234120	G1/4	12
233120	G3/8	12

Equal Elbow



Part Number	Tube OD
600040	4
600050	5
600060	6
600080	8
600100	10
600120	12
600140	14

Fixed Tapered Elbow



Part Number	Male Thread	Tube OD
215040	M5	4
218040	R1/8	4
214040	R1/4	4
218050	R1/8	5
214050	R1/4	5
218060	R1/8	6
214060	R1/4	6
218080	R1/8	8
214080	R1/4	8
214100	R1/4	10
213100	R3/8	10
213120	R3/8	12
212120	R1/2	12
213140	R3/8	14
212140	R1/2	14

Swivel Tapered Elbow



Part Number	Male Thread	Tube OD
208040	R1/8	4
204040	R1/4	4
208050	R1/8	5
204050	R1/4	5
208060	R1/8	6
204060	R1/4	6
208080	R1/8	8
204080	R1/4	8
203080	R3/8	8
204100	R1/4	10
203100	R3/8	10
202100	R1/2	10
204120	R1/4	12
203120	R3/8	12
202120	R1/2	12
203140	R3/8	14
202140	R1/2	14

Swivel Elbow Parallel



Part Number	Male Thread	Tube OD
205048	M5	4
205058	M5	5
205068	M5	6
208048	G1/8	4
204048	G1/4	4
208058	G1/8	5
204058	G1/4	5
208068	G1/8	6
204068	G1/4	6
208088	G1/8	8
204088	G1/4	8
203088	G3/8	8
204108	G1/4	10
203108	G3/8	10
202108	G1/2	10
204128	G1/4	12
203128	G3/8	12
202128	G1/2	12
203148	G3/8	14
202148	G1/2	14

Swivel Elbow Female



Part Number	Female Thread	Tube OD
228040	G1/8	4
228050	G1/8	5
228060	G1/8	6
224060	G1/4	6
228080	G1/8	8
224080	G1/4	8
224100	G1/4	10
223100	G3/8	10
224120	G1/4	12
223120	G3/8	12

Equal Tee



Part Number	Tube OD
700040	4
700050	5
700060	6
700080	8
700100	10
700120	12
700140	14

Double Banjo Elbow Parallel



Part Number	Male Thread	Tube OD
908048	G1/8	4
908058	G1/8	5
908068	G1/8	6

Swivel Tee Female



Part Number	Female Thread	Tube OD
418040	G1/8	4
418050	G1/8	5
418060	G1/8	6
414060	G1/4	6
418080	G1/8	8
414080	G1/4	8
414100	G1/4	10
413100	G3/8	10
414120	G1/4	12
413120	G3/8	12

Banjo Elbow With Socket Head Screw



Part Number	Male Thread	Tube OD
205408	M5	4
205508	M5	5
205608	M5	6
148047	G1/8	4
144047	G1/4	4
148067	G1/8	6
144067	G1/4	6
148087	G1/8	8
144087	G1/4	8

Swivel Branch Tee Parallel



Part Number	Male Thread	Tube OD
405048	M5	4
405058	M5	5
405068	M5	6
408048	G1/8	4
404048	G1/4	4
408058	G1/8	5
404058	G1/4	5
408068	G1/8	6
404068	G1/4	6
408088	G1/8	8
404088	G1/4	8
403088	G3/8	8
404108	G1/4	10
403108	G3/8	10
402108	G1/2	10
404128	G1/4	12
403128	G3/8	12
402128	G1/2	12
403148	G3/8	14
402148	G1/2	14

Swivel Lateral Tee Tapered



Part Number	Male Thread	Tube OD
338040	R1/8	4
334040	R1/4	4
338050	R1/8	5
334050	R1/4	5
338060	R1/8	6
334060	R1/4	6
338080	R1/8	8
334080	R1/4	8
334100	R1/4	10
333100	R3/8	10
332100	R1/2	10
334120	R1/4	12
333120	R3/8	12
332120	R1/2	12
333140	R3/8	14
332140	R1/2	14

Swivel Branch Tee Tapered



Part Number	Male Thread	Tube OD
408040	R1/8	4
404040	R1/4	4
408050	R1/8	5
404050	R1/4	5
408060	R1/8	6
404060	R1/4	6
408080	R1/8	8
404080	R1/4	8
403080	R3/8	8
404100	R1/4	10
403100	R3/8	10
402100	R1/2	10
404120	R1/4	12
403120	R3/8	12
402120	R1/2	12
403140	R3/8	14
402140	R1/2	14

Swivel Lateral Tee Parallel



Part Number	Male Thread	Tube OD
335048	M5	4
335058	M5	5
338048	G1/8	4
334048	G1/4	4
338058	G1/8	5
334058	G1/4	5
338068	G1/8	6
334068	G1/4	6
338088	G1/8	8
334088	G1/4	8
334108	G1/4	10
333108	G3/8	10
332108	G1/2	10
334128	G1/4	12
333128	G3/8	12
332128	G1/2	12
333148	G3/8	14
332148	G1/2	14

Equal Connector



Part Number	Tube OD
500040	4
500050	5
500060	6
500080	8
500100	10
500120	12
500140	14

Bulkhead



Part Number	Thread	Tube OD
800040	M12x1	4
800050	M12x1	5
800060	M15x1	6
800080	M17x1	8
800100	M20x1.5	10
800120	M22x1.5	12
800140	M27x1.5	14

Equal Cross



Part Number	Tube OD
260040	4
260050	5
260060	6
260080	8
260100	10
260120	12

Threaded Bulkhead



Part Number	External Thread	Female Thread
FS83050	M10x1	M5
FS83180	M16x1.5	G1/8
FS83140	M20x1.5	G1/4
FS83380	M26x1.5	G3/8
FS83120	M28x1.5	G1/2

3 Way Connector



Part Number	Female Thread	Tube OD
188040	G1/8	4
188050	G1/8	5
188060	G1/8	6
184060	G1/4	6
183060	G3/8	6
183080	G3/8	8
183100	G3/8	10
182100	G1/2	10
182120	G1/2	12

Bulkhead Tube To Thread



Part Number	External Thread	Female Thread	Tube OD
818040	M12x1	G1/8	4
818060	M15x1	G1/8	6
814080	M17x1	G1/4	8
814100	M20x1,5	G1/4	10
813120	M22x1,5	G3/8	12

Double Swivel Tee Tapered



Part Number	Male Thread	Tube OD
118040	R1/8	4
118050	R1/8	5
118060	R1/8	6
114060	R1/4	6
118080	R1/8	8
114080	R1/4	8
114100	R1/4	10
113100	R3/8	10

6 Way Connector



Part Number	Female Thread	Tube OD
198040	G1/8	4
198050	G1/8	5
198060	G1/8	6
194060	G1/4	6
193060	G3/8	6
193080	G3/8	8
193100	G3/8	10
192100	G1/2	10
192120	G1/2	12

Reducer



Part Number	Tube OD	Tube OD
244050	5	4
244060	6	4
245060	6	5
246080	8	6

Plug



Part Number	Tube OD
120040	4
120050	5
120060	6
120080	8
120100	10
120120	12

Check Valve Fitting



Part Number	Male Thread	Tube OD
278060	R1/8	6
274060	R1/4	6
278080	R1/8	8
274080	R1/4	8
274100	R1/4	10
273100	R3/8	10

REDUCING STEM



Part Number	Tube OD	Tube OD
254060	4	6
254080	4	8
254100	4	10
256080	6	8
256100	6	10
258100	8	10
254120	4	12
256120	6	12
258120	8	12
251120	10	12
256140	6	14
258140	8	14
251140	10	14
252140	12	14

INSERT FITTINGS

Insert



Part Number	Ø (mm)	Tube OD
150040	8	4
150050	9	5
150060	11	6
150080	13	8
150100	16	10
150120	19	12
150140	23	14

O-ring For Insert

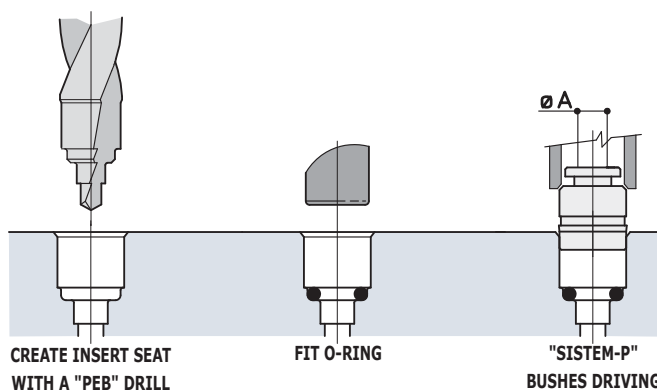
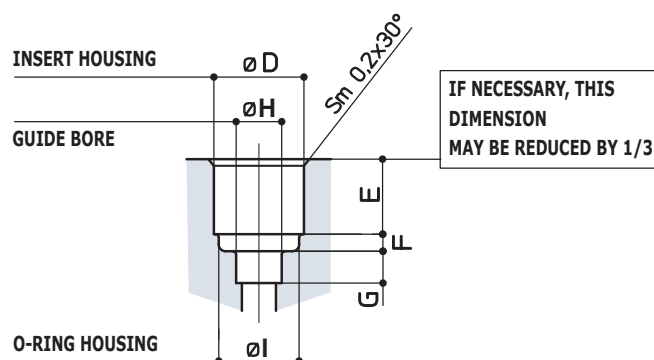


Part Number	Tube OD
OR2015	4
OR2018	5
OR5.7	6
OR2031	8
OR112	10
OR115	12
OR3056	14

Twist Drill For Insert Seat



Part Number	Tube OD
PEB040	4
PEB050	5
PEB060	6
PEB080	8
PEB100	10
PEB120	12
PEB140	14



A	D ^{+0.05/-0.05}	E ^{+0.1/0}	F ^{+0.05/-0.05}	G ^{+0.1/0}	H ^{+0.05/-0.05}	I ^{+0.1/0}
4	8	8,5	2	3	4,15	7
5	9	8,5	2	3	5,15	7,9
6	11	10,5	2	3	6,15	8,9
8	13	11,5	2	3	8,15	10,9
10	16	12	3	4	10,15	14,3
12	19	12,5	3	5	12,15	16,3
14	23	15	3	5	14,15	18,3

316 Stainless Steel Push-in Fittings

AISI 316L Stainless Steel

TecnAir®



Features

Quality

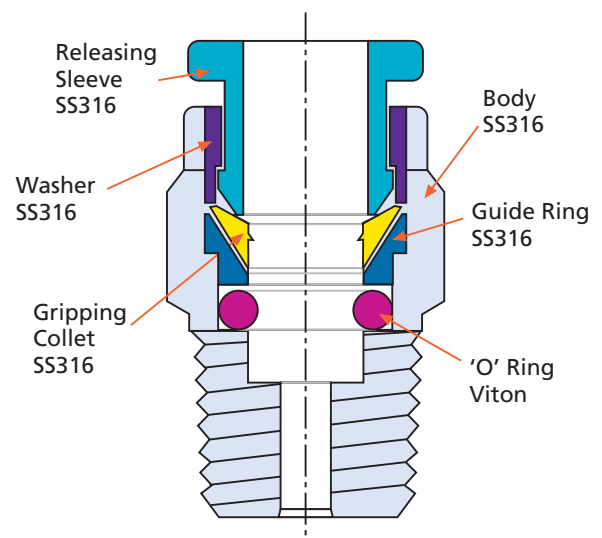
TecnAir Stainless steel Push-In fittings are manufactured to the highest quality making these products ideal for use in aggressive environments or in connection with corrosive fluids. Such applications include chemical, food, printing, marine and pharmaceutical industries.

Design

TecnAir Stainless steel Push-In fittings are uniquely designed to offer "full flow" with zero pressure drop and provide zero leaks. The design consists of 6 precision components (see sketch) body, releasing sleeve, washer, gripping collet, guide ring, and 'O' ring. These components are manufactured to very stringent tolerances, under rigid quality control procedures in accordance with ISO 9001:2015.

Easy to Connect & Disconnect

Push-In fittings are easy to connect and disconnect without the need for tools, and are locked in position by our "hold-safe" collet. The fittings provide automatic tube sealing using a viton 'O' ring. Each and every TecnAir stainless steel component is electro-polished to provide a corrosion resistant layer of chromium oxide, which is passive.

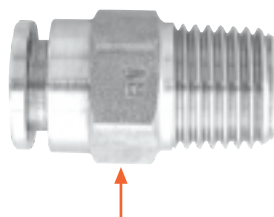


TECHNICAL DATA

Type	Stainless steel push-in fittings
Bore	Full bore to ensure zero pressure drop
Sizes	Metric - 4mm to 12mm tube OD (Imperial - upon request)
Materials	316L Stainless Steel, (Bar stock ASTM A-479) & (Forged ASTM A-182)
Preferred Tube Material	Polyurethane, Semi Rigid Nylon, Fluoropolymer FEP 140 Tube, Low Density Polyethylene, Stainless Steel Tube (When Grooved)
Surface Treatment	Electro Polished to ensure corrosion resistant surface layer of passive chromium oxide
Seals	Viton
Operating Pressure	20 bar
Operating temperature	-10°C to + 150°C
Media	Gas, Air & Fluid (compatible with materials)
Tube Tolerance	±0.05mm

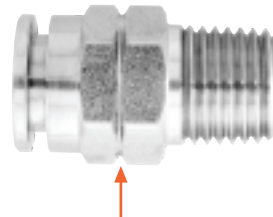
METRIC IMPERIAL IDENTIFICATION

Metric Push-in Fittings



No identification mark
Standard Stock Items

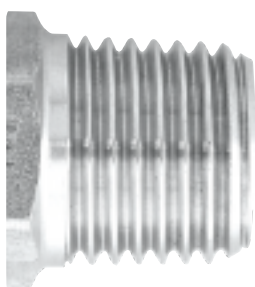
Imperial Push-in Fittings



Identification mark
Produced to Order

Fittings for metric tube sizes are standard stock items. Imperial tube fittings are available on request in sizes 3/16", 1/4", 5/16", 3/8" and 1/2" OD

SPECIAL THREADS



NPT Threads

Fittings can be ordered with NPT threads by changing the last digits of the part number from 'RT' or 'EO' to 'N'

Other Threads

Special fittings and threads can be ordered to suit specific customer requirements. For further details please contact our sales office.

Straight Connector



TAPER

Part Number	Tube OD	BSP T Male
PIFTMC-4-125RT	4	R1/8
PIFTMC-6-125RT	6	R1/8
PIFTMC-6-250RT	6	R1/4
PIFTMC-8-125RT	8	R1/8
PIFTMC-8-250RT	8	R1/4
PIFTMC-10-250RT	10	R1/4
PIFTMC-10-375RT	10	R3/8
PIFTMC-12-375RT	12	R3/8
PIFTMC-12-500RT	12	R1/2

Straight Connector



PARALLEL

Part Number	Tube OD	BSP P Male
PIFPMC-4-125/EO	4	G1/8
PIFPMC-6-125/EO	6	G1/8
PIFPMC-6-250/EO	6	G1/4
PIFPMC-8-125/EO	8	G1/8
PIFPMC-8-250/EO	8	G1/4
PIFPMC-8-375/EO	8	G3/8
PIFPMC-10-250/EO	10	G1/4
PIFPMC-10-375/EO	10	G3/8
PIFPMC-12-250/EO	12	G1/4
PIFPMC-12-375/EO	12	G3/8
PIFPMC-12-500/EO	12	G1/2

Straight Connector



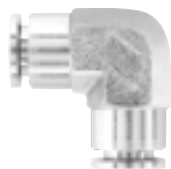
Part Number	Tube OD
PIFU-4	4
PIFU-6	6
PIFU-8	8
PIFU-10	10
PIFU-12	12

Reducing Connector



Part Number	M Tube OD	F Tube OD
PIF-R-4-6	6	4
PIF-R-6-8	8	6
PIF-R-8-10	10	8
PIF-R-10-12	12	10

Equal Elbow



Part Number	Tube OD
PIF-UE-4	4
PIF-UE-6	6
PIF-UE-8	8
PIF-UE-10	10
PIF-UE-12	12

Swivel Elbow



PARALLEL

Part Number	Tube OD	BSP P Male
PIFPMSE-4-125/EO	4	1/8
PIFPMSE-6-125/EO	6	1/8
PIFPMSE-6-250/EO	6	1/4
PIFPMSE-8-125/EO	8	1/8
PIFPMSE-8-250/EO	8	1/4

Swivel Elbow



TAPER

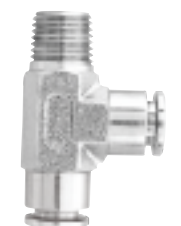
Part Number	Tube OD	BSP T Male
PIFTMSE-4-125RT	4	1/8
PIFTMSE-6-125RT	6	1/8
PIFTMSE-6-250RT	6	1/4
PIFTMSE-8-125RT	8	1/8
PIFTMSE-8-250RT	8	1/4
PIFTMSE-10-250RT	10	1/4
PIFTMSE-10-375RT	10	3/8
PIFTMSE-12-375RT	12	3/8
PIFTMSE-12-500RT	12	1/2

Equal Tee



Part Number	Tube OD
PIF-UT-4	4
PIF-UT-6	6
PIF-UT-8	8
PIF-UT-10	10
PIF-UT-12	12

Lateral Tee



TAPER

Part Number	Tube OD	BSP T Male
PIFTMRT-4-125RT	4	R1/8
PIFTMRT-4-250RT	4	R1/4
PIFTMRT-6-125RT	6	R1/8
PIFTMRT-6-250RT	6	R1/4
PIFTMRT-8-125RT	8	R1/8
PIFTMRT-8-250RT	8	R1/4
PIFTMRT-10-250RT	10	R1/4
PIFTMRT-10-375RT	10	R3/8
PIFTMRT-12-375RT	12	R3/8
PIFTMRT-12-500RT	12	R1/2

Swivel Branch Tee



TAPER

Part Number	Tube OD	BSP T Male
PIFTMSBT-4-125RT	4	R1/8
PIFTMSBT-4-250RT	4	R1/4
PIFTMSBT-6-125RT	6	R1/8
PIFTMSBT-6-250RT	6	R1/4
PIFTMSBT-8-125RT	8	R1/8
PIFTMSBT-8-250RT	8	R1/4
PIFTMSBT-10-250RT	10	R1/4
PIFTMSBT-10-375RT	10	R3/8
PIFTMSBT-12-375RT	12	R3/8
PIFTMSBT-12-500RT	12	R1/2

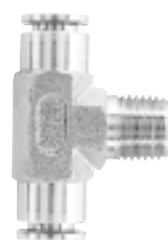
Swivel Branch Tee



PARALLEL

Part Number	Tube OD	BSP P Male
PIFPMSBT-4-125EO	4	G1/8
PIFPMSBT-4-250EO	4	G1/4
PIFPMSBT-6-125EO	6	G1/8
PIFPMSBT-6-250EO	6	G1/4
PIFPMSBT-8-125EO	8	G1/8
PIFPMSBT-8-250EO	8	G1/4
PIFPMSBT-10-250EO	10	G1/4
PIFPMSBT-10-375EO	10	G3/8
PIFPMSBT-12-375EO	12	G3/8
PIFPMSBT-12-500EO	12	G1/2

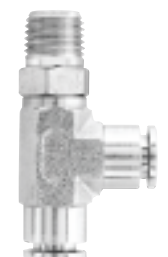
Branch Tee



TAPER

Part Number	Tube OD	BSP T Male
PIFTMBT-4-125RT	4	R1/8
PIFTMBT-4-250RT	4	R1/4
PIFTMBT-6-125RT	6	R1/8
PIFTMBT-6-250RT	6	R1/4
PIFTMBT-8-125RT	8	R1/8
PIFTMBT-8-250RT	8	R1/4
PIFTMBT-10-250RT	10	R1/4
PIFTMBT-10-375RT	10	R3/8
PIFTMBT-12-375RT	12	R3/8
PIFTMBT-12-500RT	12	R1/2

Swivel Lateral Tee



TAPER

Part Number	Tube OD	BSP T Male
PIFTMSRT-4-125RT	4	R1/8
PIFTMSRT-4-250RT	4	R1/4
PIFTMSRT-6-125RT	6	R1/8
PIFTMSRT-6-250RT	6	R1/4
PIFTMSRT-8-125RT	8	R1/8
PIFTMSRT-8-250RT	8	R1/4
PIFTMSRT-10-250RT	10	R1/4
PIFTMSRT-10-375RT	10	R3/8
PIFTMSRT-12-375RT	12	R3/8
PIFTMSRT-12-500RT	12	R1/2

Swivel Lateral Tee



PARALLEL

Part Number	Tube OD	BSP P Male
PIFPMSRT-4-125EO	4	G1/8
PIFPMSRT-4-250EO	4	G1/4
PIFPMSRT-6-125EO	6	G1/8
PIFPMSRT-6-250EO	6	G1/4
PIFPMSRT-8-125EO	8	G1/8
PIFPMSRT-8-250EO	8	G1/4
PIFPMSRT-10-250EO	10	G1/4
PIFPMSRT-10-375EO	10	G3/8
PIFPMSRT-12-375EO	12	G3/8
PIFPMSRT-12-500EO	12	G1/2

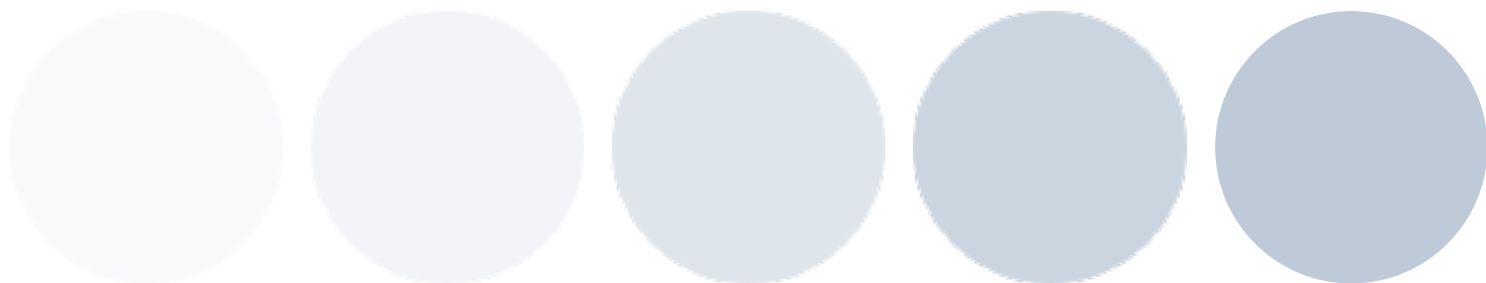
Bulkhead Connector



Part Number	Tube OD	Thread
PIF-BU-4	4	M12x1
PIF-BU-6	6	M14x1
PIF-BU-8	8	M16x1
PIF-BU-10	10	M18x1
PIF-BU-12	12	M22x1.5



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