PX LINE

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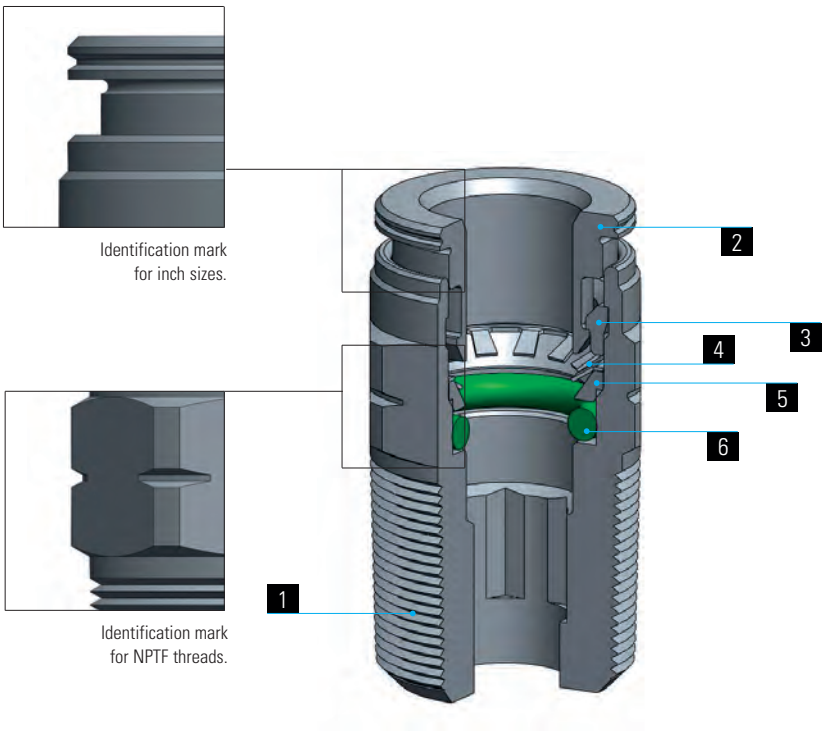
MX INC

PX LINE

1	2	3	4	5	6
Body	Release ring	Tightness ring	Gripping collet	Protection ring	Seals
Stainless steel AISI 316L	Stainless steel AISI 316L	Stainless steel AISI 316L	Stainless steel AISI 301	Stainless steel AISI 316L	FPM/FKM



THE PX LINE

PX is our new stainless steel fittings line.

Suitable for all those applications where brass nickel-plated and acetal fittings are banned, the new AISI 316L fitting is conceived to withstand corrosive environments (substances), to channel aggressive fluids and to be used in the food, pharmaceutical and chemical industries.

PX comes with FPM seals to guarantee the best performance at the highest temperatures.

DATA SHEET

Recommended tubings:
PVDF, PTFE and Stainless steel tubes (for rigid hose assembly see the instructions above).

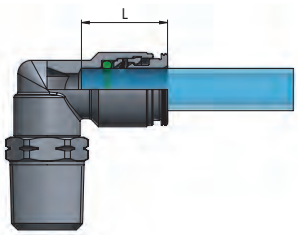
Acceptable Tolerances on the tubings:
+/- .003"

Working Temperature:
from - 4°F up to 302 °F depending on the materials and tube diameters used.

Working Pressure:
Pressure varies depending on the kind of tubing used and in any case it never has to exceed 261 psi. In case of application with fluids, pls follow instructions below:
Constant Pressure: Max 261 psi
Pulse Pressure: Max 145 psi
Vacuum rating: to 28" Hg

Application fields:
Pneumatics, Food Industry, Chemical, Medical and Pharmaceutical Industry.

Tubing insertion depth



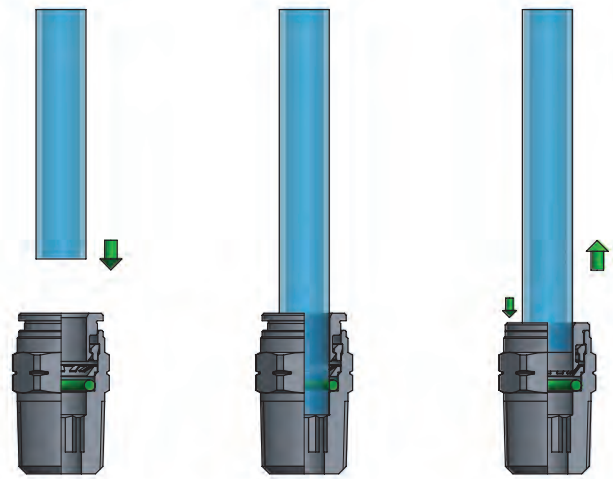
Tube OD	L
5/32	.512
1/4	.622
5/16	.630
3/8	.720
1/2	.768

ASSEMBLY INSTRUCTIONS

1. Cut the tube square (by means of a hose cutter i.e. our PA 34) making sure that no burrs are left and that the tube is not oval. In case of use with metal hoses, make a groove all around the tube diameter with a suitable tool (see page xx). The groove must be made according to the tube diameter so that the fitting collect can better grip onto it.
2. Insert the tube into the fitting until it bottoms.

Tube release

While pressing on the release ring, pull out the tube from the fitting.

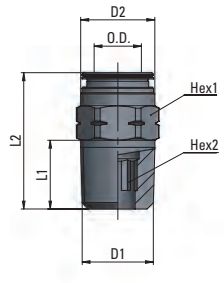


Our tapered male straight connector is provided with an inner hex allowing for easy assembly when no space is available.

Once the tubing is connected to the fitting, make sure that the tubing is not subject to any tensile strength and that the min. recommended bending radius stated in the tubing section of this catalogue is complied with (see page 54).
To prevent any accidental tube release, no components have to come in touch with the release ring and exercise any unwanted pressure on the same that. Indeed however lateral, any load on the release ring may cause the tube disconnection.
To tighten threads, please check out our tightening torque chart illustrated at page 4.

PX 11

Taper Straight, male



Part Number	Tube OD	D_1 NPTF	D_2	L_1	L_2	HEX 1 (mm)	HEX_2	oz
11 5/32 1/8	5/32	1/8	.374	.335	.768	12	1/8	.346
11 1/4 1/8	1/4	1/8	.472	.335	.866	13	5/32	.385
11 1/4 1/4	1/4	1/4	.472	.512	.965	14	5/32	.642
11 5/16 1/4	5/16	1/4	.551	.512	1.004	14	1/4	.572
11 3/8 1/4	3/8	1/4	.630	.512	1.260	17	1/4	.924
11 3/8 3/8	3/8	3/8	.630	.512	1.004	18	5/16	.914
11 1/2 3/8	1/2	3/8	.787	.512	1.161	21	13/32	1.126
11 1/2 1/2	1/2	1/2	.787	.669	1.201	22	13/32	1.641

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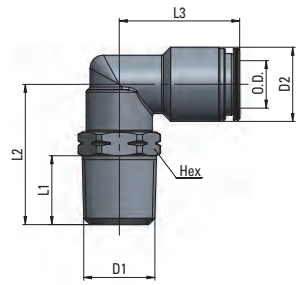
Taper Swivelling Elbow Fitting, male



Part Number	Tube OD	D_1 NPTF	D_2	L_1	L_2	L_3	HEX (mm)	oz
15 5/32 1/8	5/32	1/8	.374	.335	.748	.689	12	.445
15 1/4 1/8	1/4	1/8	.472	.335	.827	.846	13	.741
15 1/4 1/4	1/4	1/4	.472	.512	1.024	.846	14	.893
15 5/16 1/4	5/16	1/4	.551	.512	1.024	.846	14	.963
15 3/8 1/4	3/8	1/4	.630	.512	1.142	1.024	17	1.454
15 3/8 3/8	3/8	3/8	.630	.512	1.142	1.024	18	1.517
15 1/2 3/8	1/2	3/8	.787	.512	1.280	1.122	21	2.385
15 1/2 1/2	1/2	1/2	.787	.669	1.457	1.122	22	2.721

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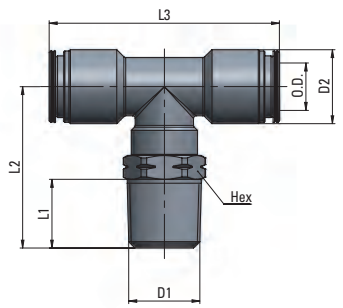
Swivelling Tee fitting, taper



Part Number	Tube OD	D_1 NPTF	D_2	L_1	L_2	L_3	HEX (mm)	oz
20 5/32 1/8	5/32	1/8	.374	.335	.886	1.378	12	.656
20 1/4 1/8	1/4	1/8	.472	.335	1.004	1.654	13	1.034
20 1/4 1/4	1/4	1/4	.472	.512	1.201	1.654	14	1.193
20 5/16 1/4	5/16	1/4	.551	.512	1.201	1.693	14	1.313
20 3/8 1/4	3/8	1/4	.630	.512	1.260	1.969	17	2.272
20 3/8 3/8	3/8	3/8	.630	.512	1.260	1.969	18	2.350

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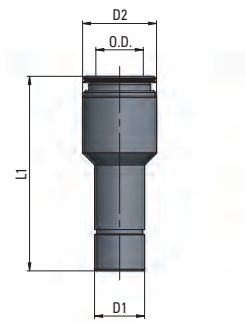
Reducer



Part Number	Tube OD	D_1	D_2	L_1	oz
25 5/32 1/4	5/32	1/4	.374	1.240	.272
25 1/4 5/16	1/4	5/16	.472	1.358	.413
25 1/4 3/8	1/4	3/8	.472	1.358	.487
25 5/16 3/8	5/16	3/8	.551	1.437	.543

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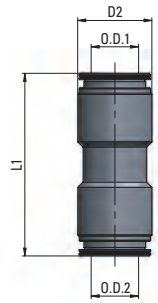
Union



Part Number	Tube OD1	Tube OD2	D2	L1	oz
26 5/32 5/32	5/32	5/32	.374	1.102	.311
26 1/4 1/4	1/4	1/4	.472	1.323	.519
26 5/16 5/16	5/16	5/16	.551	1.339	.695
26 3/8 3/8	3/8	3/8	.630	1.520	.946
26 1/2 1/2	1/2	1/2	.787	1.614	1.553

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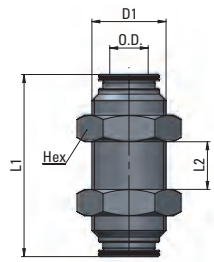
Bulkhead union



Part Number	Tube OD	D1	L1	L2	HEX (mm)	oz
27 5/32 5/32	5/32	M12x1	1.102	.315	16	.702
27 1/4 1/4	1/4	M14x1	1.339	.571	18	1.108
27 5/16 5/16	5/16	M16x1	1.339	.571	21	1.299
27 3/8 3/8	3/8	M18x1	1.417	.689	22	1.708
27 1/2 1/2	1/2	M22x1,5	1.614	.728	26	2.181

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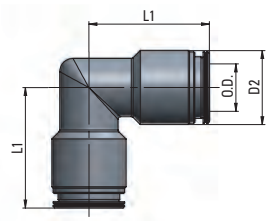
Union Elbow



Part Number	Tube OD	D2	L1	oz
28 5/32 5/32	5/32	.374	.689	.448
28 1/4 1/4	1/4	.472	.827	.596
28 5/16 5/16	5/16	.551	.886	.872
28 3/8 3/8	3/8	.630	.984	1.535
28 1/2 1/2	1/2	.787	1.063	1.800

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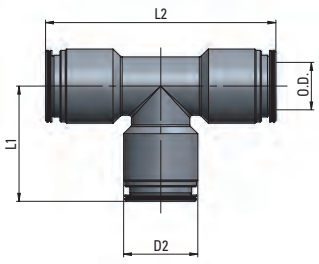
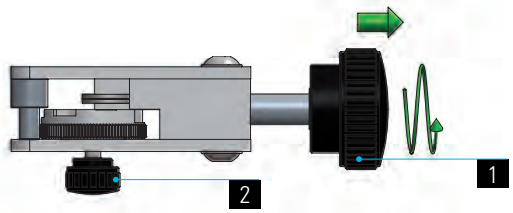
Union Tee

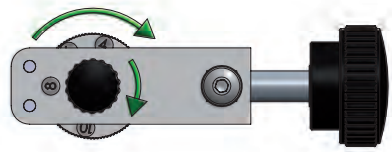


Part Number	Tube OD	D2	L1	L2	oz
29 5/32 5/32	5/32	.374	.689	1.378	.565
29 1/4 1/4	1/4	.472	.827	1.654	.992
29 5/16 5/16	5/16	.551	.846	1.693	1.164
29 3/8 3/8	3/8	.630	.984	1.969	2.040
29 1/2 1/2	1/2	.787	1.063	2.126	2.470

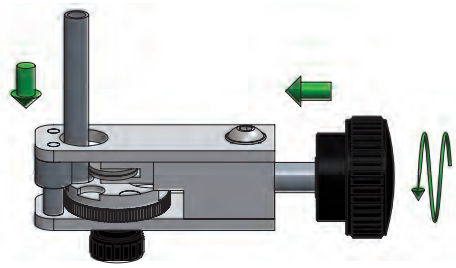
Step **1**



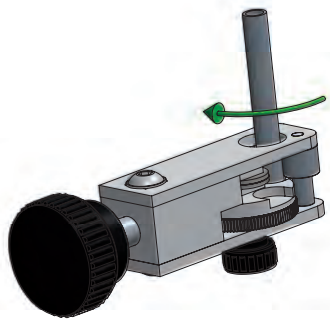
Step **2**



Step **3**



Step **4**



INSTRUCTIONS FOR USE

Step 1. Pull back the tool blade by loosening the knob (1).

Step 2. Untighten the knob (2) and turn the numbered wheel to select the desired tube size. Once the tube size is selected, firmly tighten the knob (2) until the desired tubing size is blocked.

Step 3. Insert the tubing into the hole, all the way down through the internal wheels, until it bottoms; tighten the knob (1) until the blade is against the tubing and keep turning the knob firmly in order to groove the surface of the tubing.

Step 4. Hold the tubing tight and make the tool turn all around the tubing as many times as the desired groove on the tubing is achieved.