



NICKEL PLATED PUSH-IN FITTINGS



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Nickel Plated Push-in Fittings

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APPLICATION:

One-touch tube joint is for the application of air pressure tubing. However, it applies to other application depend upon the user condition.

CHARACTERISTICS:

Quick installation, simple and flexible, space-saving

The tube fitting comes in a wide variety of models to meet all your needs in pneumatic piping.

Even after installation, the direction of tubing can be changed freely.

The release ring adopts the ellipse design to make it more convenient and labor-saving for disconnection.

SPECIFICATION:

Fluids: Air, vacuum

Pressure Range: 0...1.6 MPa

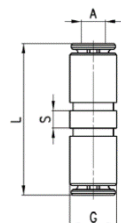
Negative Pressure: -100KPa (10 Torr)

Temperature range: -20°C...80°C

Applicable Tube: Polyurethane, Polyamide, Bi-Polymer

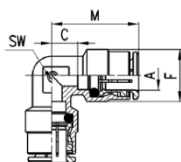
Nickel Plated Push-in Fittings

Union Straight



CODE	A	B	F	G	L
883901	4	4	8.4	9	29
883903	4	6	11.7	12	34
883902	6	6	12	9	31.5
883905	6	8	13.7	14	37
883904	8	8	14	12.2	35
883907	8	10	15.4	17	41.5
883906	10	10	16	14	39
883908	12	12	18.3	19	39.5

Union Elbow



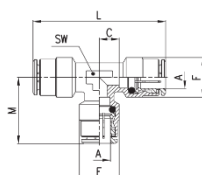
CODE	A	C	F	L	M	SW
883885	4	3.5	9	17.5	8	8
883886	6	4	12.7	20	9	17
883887	8	5	14.2	22.5	11	22
883888	10	5.8	16.5	26	13	30
883889	12	7.3	19.5	26.5	15	44

Union Y



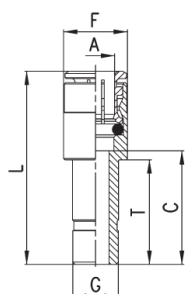
CODE	A	C	F	M	SW
883896	4	5	18	33	9
883897	6	7	24.5	39	12.5
883898	8	9	28.5	44	14.5
883899	10	15.5	32	53.5	16

Union Tee



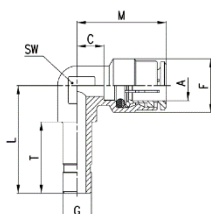
CODE	A	C	F	L	M	SW
883879	4	3.5	9	35	17.5	8
883880	6	4	12.7	40	20	9
883881	8	5	14.2	45	22.5	11
883882	10	5.8	16.5	52	26	13
883883	12	7.3	19.5	53	26.5	15

Union Straight Reduction



CODE	A	G	C	F	L	T
883935	4	6	15.5	9	29.5	18
883936	4	8	18	9	32	20.5
883937	6	8	18	12.7	34	20.5
883938	6	10	20.5	12.7	36.5	23
883939	8	10	20.5	14	38	23
883940	8	12	21.5	14	39	24
883941	10	12	20.3	16.5	40.5	24

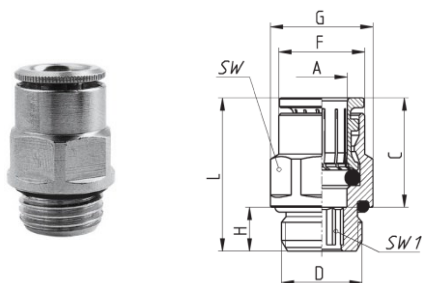
Union 90° Elbow



CODE	A	G	C	L	F	T	M	SW
883891	4	4	3.5	22	9	16.5	17.5	9
883892	6	6	4	24.5	12.7	18	20	9
883893	8	8	5	27.5	14.2	20	22.5	11
883894	10	10	5.8	32	16.5	23	26	13

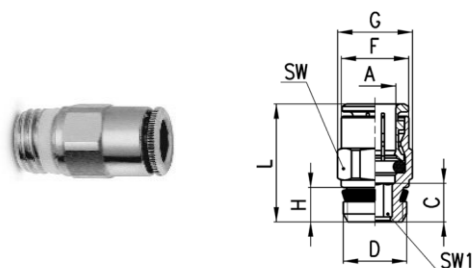
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Parallel Male Straight



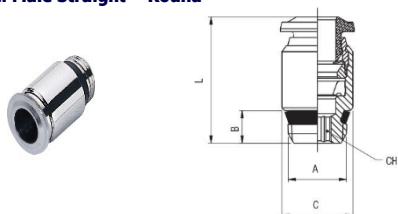
CODE	A	D	C	F	G	H	L	SW	SW1
883841	3	M3	-	5.8	-	2.5	10.2	-	1.5
883842	3	M5	-	5.8	-	3.5	10	-	2
883843	4	M5	14	7.8	8.8	4	20	8	2
883844	4	G1/8	14	8.8	13.5	6	19	12	2.5
883845	4	G1/4	14	8.8	16.4	7	20.5	15	2.5
883846	6	M5	16	11.7	13.2	4	22	12	2
883847	6	G1/8	16	11.7	13.5	6	21	12	4
883848	6	G1/8	16	11.7	13.5	6	21	12	4
840657	6	G3/8	16	-	-	7	25	13	4
883849	6	G1/4	16	11.7	16.4	7	22	15	4
883850	8	G1/4	17.5	13.7	16.4	7	24.5	15	6
883851	8	G3/8	17.5	13.7	20.5	7	23	19	6
883852	10	G1/4	20.2	15.4	18.5	7	30	17	7
883853	10	G3/8	20.2	15.4	20.5	7	24.5	19	8
883854	10	G1/2	20.2	15.4	24.8	8	25	22	8
883855	12	G1/4	19.2	18.3	20.5	7	29.5	19	7
883856	12	G3/8	19.2	18.3	20.5	7	24	19	9
883857	12	G1/2	19.2	18.3	24.8	8	24.5	22	9

Parallel Male Straight PTFE Seal



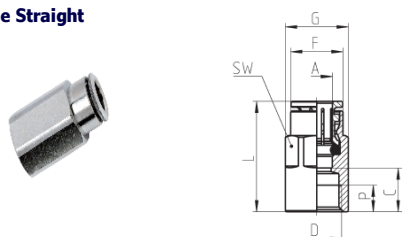
CODE	A	D	C	F	G	H	L	SW	SW1
883972	4	G1/8	3.8	8.8	13.2	5.5	18	12	2.5
883973	4	G1/4	5.5	8.8	15.2	7	19.5	14	2.5
883974	5	G1/8	3.8	9.8	13.2	5.5	19	12	3
883975	5	G1/4	5.5	9.8	15.2	7	20	14	3
883976	6	G1/8	6	11.7	13.2	5.5	22	12	4
883977	6	G1/4	5.5	11.7	15.2	7	21	14	4
883978	6	G3/8	6.5	11.7	20.5	8	22.5	19	4
883979	8	G1/8	7.5	13.7	15.2	5.5	25	14	5
883980	8	G1/4	6.5	13.7	15.2	7	24	14	6
883981	8	G3/8	6	13.7	20.5	8	23.5	19	6
883982	8	G1/2	7.5	13.7	24.5	9	25	22	6
883983	10	G1/4	8.3	15.4	18.5	7	28.5	17	7
883984	10	G3/8	5.3	15.4	20.5	8	25.5	19	8
883985	10	G1/2	4.8	16	24.5	9	25	22	8
883986	12	G1/4	10.3	18.3	20.5	7	29.5	19	7
883987	12	G3/8	9.3	18.3	20.5	8	28.5	19	9
883988	12	G1/2	5.8	18.3	24.5	9	25	22	10
883989	14	G3/8	10.3	20.5	24.5	8	30.5	22	9
883990	14	G1/2	6.3	20.5	24.5	9	26.5	22	12

Parallel Male Straight - Round



CODE	ØD	A	B	C	L	CH
840512	4	M5	4	10	1	2.5
840513	4	1/8	7.5	10	19	3
840514	6	M5	4	12	24.5	2.5
840515	6	1/8	7.5	12	22.5	4
840516	6	1/4	11	14	24.5	4
840517	8	1/8	8	14	25.5	5
840518	8	1/4	11	14	25	6

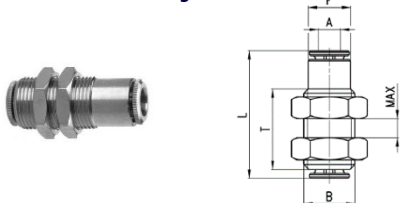
Female Straight



CODE	A	D	C	F	G	L	P (mini)	SW
883833	4	M5	6.5	7.8	8.8	20.5	4.5	9
883834	4	G1/8	10	9	13	24	6	12
883835	6	G1/8	10	11.7	13	26	6	12
883836	6	G1/4	11.5	11.9	16.5	27.5	7	15
883837	8	G1/8	9.5	13.7	15.2	27	6	14
883838	8	G1/4	11.5	13.7	16.5	29	7	15
883839	10	G1/4	11.3	15.4	18.5	31.5	7	17

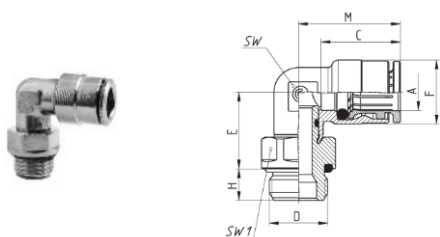
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Bulkhead - Union Straight



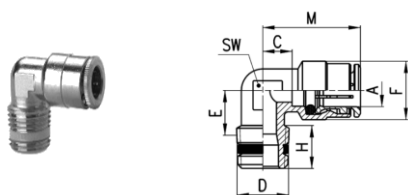
CODE	A	B	F	L	N	MAX	SW	SW1	T
883910	4	M10x1	8.8	29	14	10.5	14	14	20
883911	6	M14x1	12.5	33	16	10.5	17	17	20
883912	8	M16x1	14.5	36	17.5	11.5	19	19	21
883913	10	M18x1	16.3	41.5	20.2	13	22	22	23.5
883914	12	M20x1	18.8	39.5	19.2	14.5	24	24	25

Parallel Male 90° Elbow



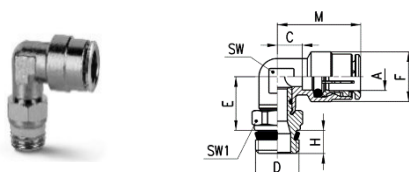
CODE	A	D	C	E	F	H	M	SW	SW1
883859	4	M5	14	12.5	9	4	17.5	8	8
883860	4	G1/8	14.0	14.5	9	6	17.5	8	12
883861	4	G1/4	14.0	15.5	9	7	17.5	8	15
883862	6	M5	16.0	13	12.7	4	20	9	10
883863	6	G1/8	16.0	15	12.7	6	20	9	12
883864	6	G1/4	16.0	16	12.7	7	20	9	15
883865	8	G1/8	17.5	16	14.2	6	22.5	11	12
883866	8	G1/4	17.5	17	14.2	7	22.5	11	15
883867	8	G3/8	17.5	17	14.2	7	22.5	11	19
883868	10	G1/4	20.2	19.5	16.5	7	26	13	15
883869	10	G3/8	20.2	19.5	16.5	7	26	13	19
883870	12	G1/4	19.2	20	19.5	7	26.5	15	17
883871	12	G3/8	19.2	20.5	19.5	7	26.5	15	19
883872	12	G1/2	19.2	21.5	19.5	8	26.5	15	22

Taper Male 90° Elbow – PTFE Seal



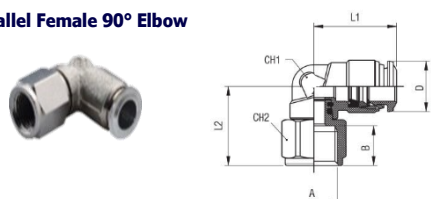
CODE	A	D	C	E	F	H	M	SW
840684	4	M5	3.5	8.5	9	5	17	9
883962	4	R1/8	3.5	8.5	9	7.5	17.5	8
883963	6	R1/8	4	9	12.7	7.5	20	9
883964	6	R1/4	4	11.5	12.7	12	20	9
883965	8	R1/8	5	10.5	14.2	6.5	22.5	11
883966	8	R1/4	5	11.5	14.2	12.5	22.5	11
883967	10	R1/4	5.8	13	16.5	11.5	26	13
883968	10	R3/8	5.8	13	16.5	12	26	13
883969	12	R1/4	7.3	14.5	19.5	11	26.5	15
883970	12	R3/8	7.3	13.5	19.5	11.5	26.5	15

Fix Parallel Male 90° Elbow – PTFE Seal



CODE	A	D	C	E	F	H	M	SW	SW1
883992	4	G1/8	3.5	14.5	9	5.5	17.5	8	4
883993	4	G1/4	3.5	14.5	9	7	17.5	8	4
883994	6	G1/8	4	15	12.7	5.5	20	9	6
883995	6	G1/4	4	15	12.7	7	20	9	6
883996	6	G3/8	4	15.5	12.7	8	20	9	6
883997	8	G1/8	5	16	14.2	5.5	22.5	11	8
883998	8	G1/4	5	16	14.2	7	22.5	11	8
883999	8	G3/8	5	16.5	14.2	8	22.5	11	8
884000	8	G1/2	5	17	14.2	9	22.5	11	8
884001	10	G1/4	5.8	18.5	16.5	7	26	13	10
884002	10	G3/8	5.8	19	16.5	8	26	13	10
884003	10	G1/2	5.8	19.5	16.5	9	26	13	10
884004	12	G1/4	7.3	20	19.5	7	26.5	15	12
884005	12	G3/8	7.3	20	19.5	8	26.5	15	12
884006	12	G1/2	7.3	20.5	19.5	9	26.5	15	12
884007	14	G3/8	8.3	21	21.5	8	28.5	17	14
884008	14	G1/2	8.3	21.5	21.5	9	28.5	17	14

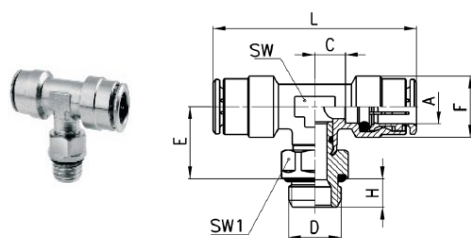
Parallel Female 90° Elbow



CODE	ØD	A	B	L1	L2	CH1	CH2	D
840695	4	1/8	8.5	18	20	9	13	10
840697	6	1/8	8.5	21	20.5	11	13	12.5
840698	6	1/4	11	21	23	11	16	12.5
840700	8	1/4	11	22.5	23	12	16	14.5

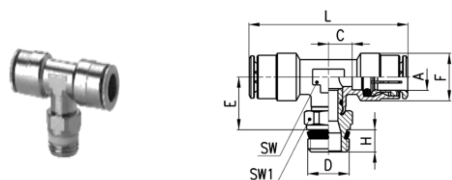
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Parallel Male Tee



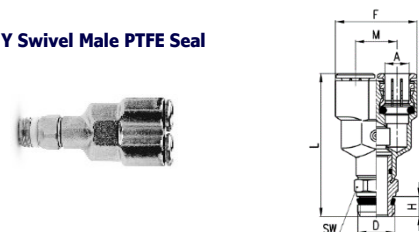
CODE	A	D	C	E	F	H	L	SW	SW1
883823	4	M5	3.5	12.5	9	4	35	8	8
883824	4	G1/8	3.5	14.5	9	6	35	8	12
840569	4	G1/4	-	13	10	7.1	34	9	16
840570	6	M5	-	17	12.5	3.3	42	11	11
883825	6	G1/8	4	15	12.7	6	40	9	12
883826	6	G1/4	4	16	12.7	7	40	9	15
883831	8	G1/8	4	15	12.7	6	40	9	12
883827	8	G1/4	5	17	14.2	7	45	11	15
883828	8	G3/8	5	17	14.2	7	45	11	19
883829	10	G1/4	5.8	19.5	16.5	7	52	13	15
883830	10	G3/8	5.8	19.5	16.5	7	52	13	19
840577	10	G1/2	-	21	21.5	9.6	53	14	25

Tapered Male Tee – PTFE Seal



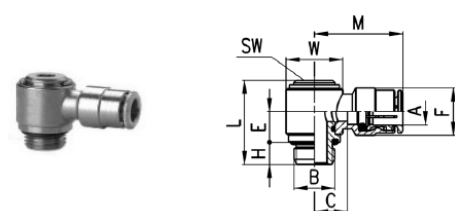
CODE	ØD	D	C	E	F	H	L	SW	SW1
883949	4	G1/8	3.5	14.5	9	5.5	35	8	12
883950	6	G1/8	4	15	12.7	5.5	40	9	12
883951	6	G1/4	4	15	12.7	7	40	9	14
883952	8	G1/8	5	16	14.2	5.5	45	11	12
883953	8	G1/4	5	16	14.2	7	45	11	14
883954	10	G1/4	5.8	18.5	16.5	7	52	13	14
883955	12	G3/8	7.3	20	19.5	8	53	15	19
883956	12	G1/2	7.3	20.5	19.5	9	53	15	22

Y Swivel Male PTFE Seal



CODE	A	D	F	H	L	M	SW
883958	4	G1/8	18	5.5	38	9	12
883959	6	G1/8	24.5	5.5	41.5	12.5	12
883960	8	G1/8	28.5	5.5	48.5	14.5	14

Parallel Male Banjo



CODE	A	B	C	E	F	H	L	M	SW	W
883928	4	M5	4	5.7	8.8	4	15.8	18	2.5	8
883929	4	G1/8	7.5	10.2	9	5	25	21.5	4	14
840622	6	M5	-	-	12.5	7.1	24.5	20.5	-	CH8
883930	6	G1/8	8	10.2	12.7	5	25	24	4	14
883931	6	G1/4	10	9.1	12.7	6	25.3	26	5	18
883932	8	G1/8	8	10.2	14.2	5	25	25.5	4	14
883933	8	G1/4	10	9.1	14.2	6	25.3	27.5	5	18
840627	8	G3/8	-	-	14	8.1	35.5	28	7	20
840628	10	G1/4	-	-	17	7.1	31	29	6	17
840629	10	G3/8	-	-	17	8.1	35.5	30.5	7	20

WARNING:

1. Except air and water (only special type and custom-design), never attempt to use the tube joint in other fluids.
2. The tube joint application is prohibited where spark and fire might be occurred.
3. The tube joint is prohibited if water temperature is above 60°C, as the materials may decompose beyond this temperature.
4. The tube joint is not designed for application where there is static charge.
5. Never apply tube joint with additional external load (bending, twist, or pulling), otherwise damage or leakage will be occurred.

CAUTION

1. If you use other supplier tubing, the different tubing tolerance might cause leakage or incorrect connection and disassembly. In this case, check if the diameters of the tubes are in conformity with the following specifications:

Size	Polyurethane Tube	Nylon Tube
Ø 4	± 0,10 mm	± 0,10 mm
Ø 6	± 0,10 mm	± 0,10 mm
Ø 8	± 0,10 mm	± 0,10 mm
Ø 10	± 0,15 mm	± 0,10 mm
Ø 12	± 0,15 mm	± 0,15 mm
Ø 16	± 0,15 mm	± 0,15 mm

2. Always check the end of tubing for a right angle cutting and check the external surface of tubing for any damage or scratch. Please refer to following instruction for the tube connection. After connection tube and fittings, always try to pull the tube and ensure that it is firmly connected. Below you will find the minimum length of tube needed for connection, depending on each diameter:

Tube Size	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
Sleeve Size	15.1	16	18.1	20.4	23.2	24.2

3. Always make sure the circuit is at atmospheric pressure before disconnecting a tube from its fitting. To disconnect a tube, press firmly on the sleeve before pulling the tube. Otherwise, the internal claws of the fitting will scratch and degrade the outer surface of the tube, which will cause leaks. Do not twist or turn the tube in its fitting, otherwise, a groove may form in the outside diameter of the tube under the pressure of the holding claws, which may cause leakages.
4. Always use proper tool to tighten external hexagonal and internal hexagonal parts of the fittings. Always apply recommended torque on screws otherwise extra torque might damage thread and cause air leakage while insufficient torque might cause loose screws and air leakage. After screws are tightened, you may adjust the direction of tubing with most of our fittings. If it is hard in adjustment, you may apply recommended torque to turn screw to adjust direction of tubing.

RECOMMENDED TORQUE FOR DIFFERENT THREAD SPECIFICATION:

Thread Type	Thread Size	Torque (kgf.cm)
Metric	M3	7
	M5	15-19
	M6	20-27
BSP	1/8	70-90
	1/4	120-140
	3/8	220-240
	1/2	280-300

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