

CATALOGUE



PNEUMATIC CONNECTION



WELCOME TO CAMOZZI AUTOMATION

Camozzi Automation offers range of products including components, systems and technologies for the industrial automation sector, the control of fluids – both liquids and gases – and for applications dedicated to the transportation and health industries.



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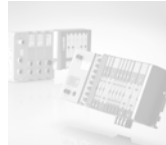
Our catalogues

Pneumatic actuation



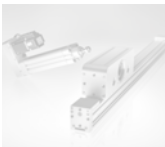
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- 2 Compact cylinders
- 3 Stainless steel cylinders
- 4 Guided cylinders
- 5 Cylinders not according standards
- 6 Rotary cylinders
- 7 Rodless cylinders
- 8 Proximity switches
- 9 Clamping elements and shock absorbers

Fieldbus and multiple systems



- 1 Valve islands
- 2 Multi-serial modules

Electric actuation



- 1 Electromechanical cylinders
- 2 Electromechanical axes
- 3 Drives
- 4 Motors

Proportional technology



- 1 Proportional valves
- 2 Proportional regulators

Handling and vacuum



- 1 Grippers
- 2 Suction pads
- 3 Ejectors
- 4 Vacuum accessories
- 5 Vacuum filters

Air treatment



- 1 Series MX Modular FRL Units
- 2 Series MC Modular FRL Units
- 3 Series MD Modular FRL Units
- 4 Series N FRL Units
- 5 Pressure regulators
- 6 Pressure switches and vacuum switches
- 7 Accessories for air treatment

Valves and solenoid valves



- 1 Directly and indirectly operated 2/2, 3/2 solenoid valves
- 2 Solenoid valves, pneumatic valves
- 3 Mechanical and manual valves
- 4 Logic valves
- 5 Automatic valves
- 6 Flow control valves
- 7 Silencers



Pneumatic connection



- 1 Super-rapid fittings
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- 3 Universal fittings
- 4 Fittings accessories
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Series 6000 brass super-rapid fittings for plastic tubes

Tube external diameters: 3, 4, 5, 6, 8, 10, 12, 14, 16 mm

Fittings threads: metric (M3, M5, M6, M7), BSP (G1/8, G1/4, G3/8, G1/2, G3/4), BSPT (R1/8, R1/4, R3/8, R1/2)

SERIES 6000 BRASS SUPER-RAPID FITTINGS



Series 6000 super-rapid fittings have been designed with a special collet which provides an homogeneous tight on the whole surface of plastic tubes, thus ensuring high reliability and a long service life, also after connections and disconnections of the tube are repeated several times. Many types of threads are also available: metric, BSP and BSPT.

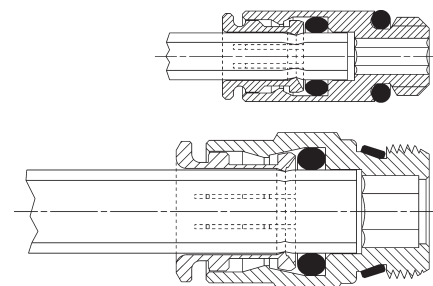
The Sprint® models are characterized by great adaptability of male threads with BSP parallel (ISO-228) female threads even in the presence of non-flat or irregular surfaces. This is possible thanks to a Teflon ring on the male thread, which guarantees a perfect seal between the two threads.

The wide range of these fittings includes the LF version ("Stop Fitting") which is equipped with a self-retaining device interrupting the air flow when the tube is disconnected and restores it when reconnected.

GENERAL DATA

Diameters	ø 4 - 5 - 6 - 8 - 10 - 12 - 14 - 16 mm Micro models: ø 3 - 4 - 6 - 8 - 10 mm
Threads	GAS conical ISO 7 (BSPT) GAS cylindrical ISO 228 (BSP); M5-M6 and other metric threads available on request; NPT on request Micro models: M3 - M5 - M7 - G1/8 - G1/4
Temperature	-20°C ÷ 80°C (see the technical data of tubing used) Micro models: -10°C ÷ 80°C (see the technical data of tubing used)
Tube to connect	Polyamide (PA) 6 - 11 - 12, Polyurethane (PU), Polyethylene (PE), hytrel Polyester
Fluid	compressed air (for other types of fluid, contact our engineers)
Materials	- standard models: body and collet in nickel-plated brass, O-Ring in NBR, thread seals in PTFE - NBR - PA - models with self-retaining device: body and collet in nickel-plated brass, poppet valve in brass, spring in stainless steel, O-Ring in NBR, thread seals in PTFE
Working pressure	- standard models: min -0,9 bar - max 16 bar (see tubing) - models with self-retaining device: 0 ÷ 16 bar

Fitting with connecting tube

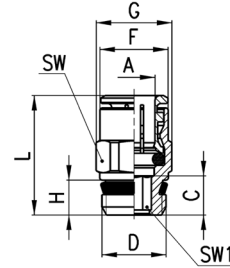


Fittings Mod. S6510

Male Connector Sprint®



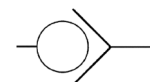
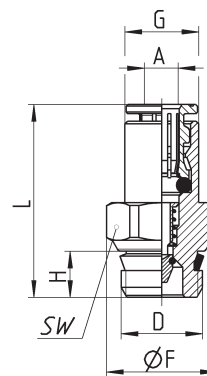
DIMENSIONS										
Mod.	A	D	C	F	G	H	L	SW	SW1	Weight (g)
S6510 4-1/8	4	G1/8	3.8	8.8	13.2	5.5	18	12	2.5	9
S6510 4-1/4	4	G1/4	5.5	8.8	15.2	7	19.5	14	2.5	15
S6510 5-1/8	5	G1/8	3.8	9.8	13.2	5.5	19	12	3	8
S6510 5-1/4	5	G1/4	5.5	9.8	15.2	7	20	14	3	14
S6510 6-1/8	6	G1/8	6	11.7	13.2	5.5	22	12	4	10
S6510 6-1/4	6	G1/4	5.5	11.7	15.2	7	21	14	4	14
S6510 6-3/8	6	G3/8	6.5	11.7	20.5	8	22.5	19	4	27
S6510 8-1/8	8	G1/8	7.5	13.7	15.2	5.5	25	14	5	13
S6510 8-1/4	8	G1/4	6.5	13.7	15.2	7	24	14	6	14
S6510 8-3/8	8	G3/8	6	13.7	20.5	8	23.5	19	6	25
S6510 8-1/2	8	G1/2	7.5	13.7	24.5	9	25	22	6	43
S6510 10-1/4	10	G1/4	8.3	15.4	18.5	7	28.5	17	7	23
S6510 10-3/8	10	G3/8	5.3	15.4	20.5	8	25.5	19	8	27
S6510 10-1/2	10	G1/2	4.8	16	24.5	9	25	22	8	39
S6510 12-1/4	12	G1/4	10.3	18.3	20.5	7	29.5	19	7	26
S6510 12-3/8	12	G3/8	9.3	18.3	20.5	8	28.5	19	9	30
S6510 12-1/2	12	G1/2	5.8	18.3	24.5	9	25	22	10	36
S6510 14-3/8	14	G3/8	10.3	20.5	24.5	8	30.5	22	9	42
S6510 14-1/2	14	G1/2	6.3	20.5	24.5	9	26.5	22	12	34
S6510 16-1/2	16	G1/2	9	23.5	26.5	9	32	24	-	42
S6510 16-3/4	16	G3/4	3.5	23.5	27.3	9	26.5	24	-	46



Fittings Mod. S6510...-LF

Male Connector Sprint® with self-retaining device

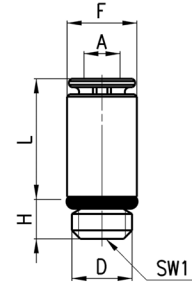
This version interrupts the air flow when the tube is disconnected and restores it when reconnected.



DIMENSIONS								
Mod.	A	D	F	G	H	L	SW	Weight (g)
S6510 4-1/8-LF	4	G1/8	13.2	8.8	5.5	23	12	11
S6510 6-1/8-LF	6	G1/8	13.2	11.7	6	30.5	12	15

Fittings Mod. 6512 Micro

Metric-BSP Male Connector



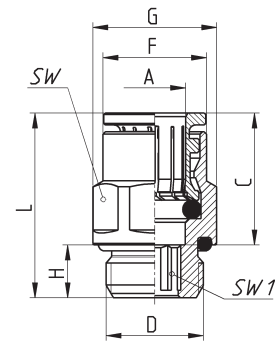
DIMENSIONS								
Mod.	A	D	F	H	L	SW1	Weight (g)	
6512 3-M3	3	M3	5.8	2.5	10.2	1.5	1	*
6512 3-M5	3	M5	5.8	3.5	10	2	1	•
6512 4-M7-M	4	M7	9.4	5	17.5	2.5	5	•
6512 4-1/8-M	4	G1/8	11.2	5	13	2.5	9	•, Y
6512 6-M7-M	6	M7	10.4	5	17	4	7	•
6512 6-1/8-M	6	G1/8	11.2	5	14	4	7	•, Y
6512 8-1/8-M	8	G1/8	12.4	5	18.5	5	10	•, Y
6512 10-1/4-M	10	G1/4	14.8	6	21	7	16	•

* = with gasket
• = with O-Ring

Fittings Mod. 6512

New sizes

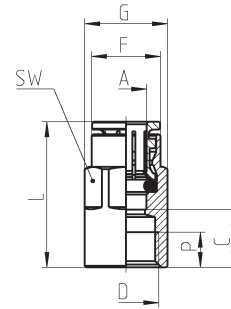
Metric-BSP Male Connector



DIMENSIONS										
Mod.	A	D	C	F	G	H	L	SW	SW1	Weight (g)
6512 4-M5	4	M5	14.0	7.8	8.8	4	20	8	2	4
6512 4-M6	4	M6	14.0	8.8	9.9	4.5	20.5	9	2.5	6
6512 4-1/8	4	G1/8	14.0	8.8	13.5	6	19	12	2.5	10
6512 4-1/4	4	G1/4	14.0	8.8	16.4	7	20.5	15	2.5	14
6512 5-M5	5	M5	15.0	8.8	9.9	4	21	9	2	5
6512 6-M5	6	M5	16.0	11.7	13.2	4	22	12	2	8
6512 6-M6	6	M6	16.0	11.7	13.2	4.5	22.5	12	2.5	8
6512 6-1/8	6	G1/8	16.0	11.7	13.5	6	21	12	4	10
6512 6-1/4	6	G1/4	16.0	11.7	16.4	7	22	15	4	13
6512 8-1/8	8	G1/8	17.5	13.7	15.2	6	26	14	5	15
6512 8-1/4	8	G1/4	17.5	13.7	16.4	7	24.5	15	6	17
6512 8-3/8	8	G3/8	17.5	13.7	20.5	7	23	19	6	27
6512 10-1/4	10	G1/4	20.2	15.4	18.5	7	30	17	7	26
6512 10-3/8	10	G3/8	20.2	15.4	20.5	7	24.5	19	8	27
6512 10-1/2	10	G1/2	20.2	15.4	24.8	8	25	22	8	39
6512 12-1/4	12	G1/4	19.2	18.3	20.5	7	29.5	19	7	29
6512 12-3/8	12	G3/8	19.2	18.3	20.5	7	24	19	9	24
6512 12-1/2	12	G1/2	19.2	18.3	24.8	8	24.5	22	9	37
6512 14-3/8	14	G3/8	20.2	20.5	24.5	7	30.5	22	10	38
6512 14-1/2	14	G1/2	20.2	20.5	24.8	8	25.5	22	10	35
6512 16-1/2	16	G1/2	23.0	23.5	26.5	8	33.5	24	-	49

Fittings Mod. 6463

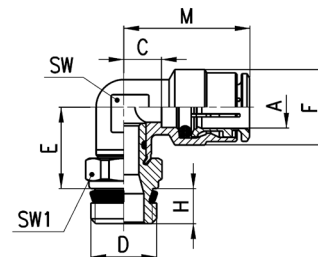
Metric-BSP Female Connector



DIMENSIONS									
Mod.	A	D	C	F	G	L	P (min)	SW	Weight (g)
6463 4-M5	4	M5	6.5	7.8	8.8	20.5	4.5	9	8
6463 4-1/8	4	G1/8	10	9	13	24	6	12	14
6463 5-1/8	5	G1/8	10	9.8	13	25	6	12	14
6463 6-1/8	6	G1/8	10	11.7	13	26	6	12	14
6463 6-1/4	6	G1/4	11.5	11.9	16.5	27.5	7	15	23
6463 8-1/8	8	G1/8	9.5	13.7	15.2	27	6	14	16
6463 8-1/4	8	G1/4	11.5	13.7	16.5	29	7	15	23
6463 10-1/4	10	G1/4	11.3	15.4	18.5	31.5	7	17	29

Fittings Mod. S6520

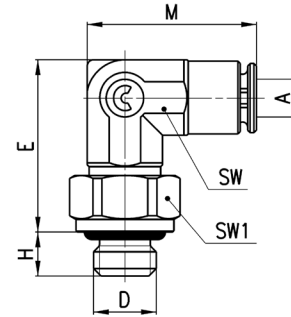
Swivel Male Elbow Sprint®



DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight (g)
S6520 4-1/8	4	G1/8	3.5	14.5	9	5.5	17.5	8	12	17
S6520 4-1/4	4	G1/4	3.5	14.5	9	7	17.5	8	14	23
S6520 5-1/8	5	G1/8	5.5	14.5	10	5.5	20.5	9	12	17
S6520 5-1/4	5	G1/4	5.5	14.5	10	7	20.5	9	14	23
S6520 6-1/8	6	G1/8	4	15	12.7	5.5	20	9	12	20
S6520 6-1/4	6	G1/4	4	15	12.7	7	20	9	14	23
S6520 6-3/8	6	G3/8	4	15.5	12.7	8	20	9	19	33
S6520 8-1/8	8	G1/8	5	16	14.2	5.5	22.5	11	12	22
S6520 8-1/4	8	G1/4	5	16	14.2	7	22.5	11	14	26
S6520 8-3/8	8	G3/8	5	16.5	14.2	8	22.5	11	19	41
S6520 8-1/2	8	G1/2	5	17	14.2	9	22.5	11	22	48
S6520 10-1/4	10	G1/4	5.8	18.5	16.5	7	26	13	14	32
S6520 10-3/8	10	G3/8	5.8	19	16.5	8	26	13	19	43
S6520 10-1/2	10	G1/2	5.8	19.5	16.5	9	26	13	22	62
S6520 12-1/4	12	G1/4	7.3	20	19.5	7	26.5	15	17	49
S6520 12-3/8	12	G3/8	7.3	20	19.5	8	26.5	15	19	48
S6520 12-1/2	12	G1/2	7.3	20.5	19.5	9	26.5	15	22	70
S6520 14-3/8	14	G3/8	8.3	21	21.5	8	28.5	17	19	74
S6520 14-1/2	14	G1/2	8.3	21.5	21.5	9	28.5	17	22	78

Fittings Mod. 6522 Micro

Metric Swivel Male Elbow



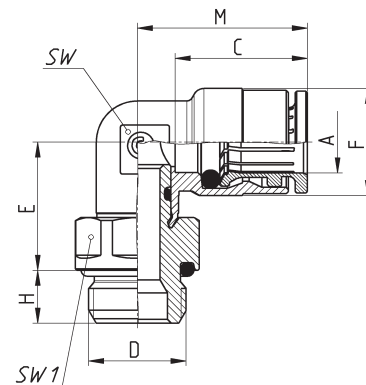
DIMENSIONS									
Mod.	A	D	E	H	M	SW	SW1	Weight (g)	
6522 3-M3	3	M3	13.7	2.5	13.7	6	6	4	*
6522 3-M5	3	M5	13.7	3.5	13.7	6	8	5	•

* = with gasket
• = with O-Ring

Fittings Mod. 6522

New sizes

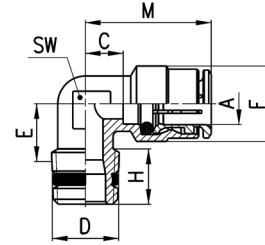
Metric-BSP Swivel Male Elbow



DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight (g)
6522 4-M5	4	M5	14.0	12.5	9	4	17.5	8	8	12
6522 4-1/8	4	G1/8	14.0	14.5	9	6	17.5	8	12	15
6522 4-1/4	4	G1/4	14.0	15.5	9	7	17.5	8	15	25
6522 5-M5	5	M5	15.0	12.5	10	4	20.5	9	8	13
6522 6-M5	6	M5	16.0	13	12.7	4	20	9	10	14
6522 6-1/8	6	G1/8	16.0	15	12.7	6	20	9	12	19
6522 6-1/4	6	G1/4	16.0	16	12.7	7	20	9	15	27
6522 8-1/8	8	G1/8	17.5	16	14.2	6	22.5	11	12	22
6522 8-1/4	8	G1/4	17.5	17	14.2	7	22.5	11	15	28
6522 8-3/8	8	G3/8	17.5	17	14.2	7	22.5	11	19	45
6522 10-1/4	10	G1/4	20.2	19.5	16.5	7	26	13	15	41
6522 10-3/8	10	G3/8	20.2	19.5	16.5	7	26	13	19	45
6522 10-1/2	10	G1/2	20.2	20.5	16.5	8	26	13	22	53
6522 12-1/4	12	G1/4	19.2	20	19.5	7	26.5	15	17	51
6522 12-3/8	12	G3/8	19.2	20.5	19.5	7	26.5	15	19	56
6522 12-1/2	12	G1/2	19.2	21.5	19.5	8	26.5	15	22	58
6522 14-3/8	14	G3/8	20.2	21.5	21.5	7	28.5	17	19	53
6522 14-1/2	14	G1/2	20.2	22.5	21.5	8	28.5	17	22	61

Fittings Mod. S6500

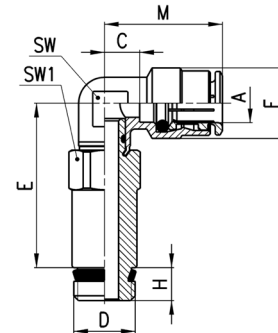
Metric Fix Male Elbow



DIMENSIONS									
Mod.	A	D	C	E	F	H	M	SW	Weight (g)
S6500 4-1/8	4	R1/8	3.5	8.5	9	7.5	17.5	8	9
S6500 4-1/4	4	R1/4	5	11.5	9	12	19	9	13
S6500 5-1/8	5	R1/8	5.5	8.5	10	7.5	20.5	9	13
S6500 5-1/4	5	R1/4	5.5	11.5	10	12	20.5	9	17
S6500 6-1/8	6	R1/8	4	9	12.7	7.5	20	9	15
S6500 6-1/4	6	R1/4	4	11.5	12.7	12	20	9	16
S6500 8-1/8	8	R1/8	5	10.5	14.2	6.5	22.5	11	18
S6500 8-1/4	8	R1/4	5	11.5	14.2	12.5	22.5	11	21
S6500 8-3/8	8	R3/8	7	13	14.2	11.5	24.5	12	25
S6500 10-1/4	10	R1/4	5.8	13	16.5	11.5	26	13	33
S6500 10-3/8	10	R3/8	5.8	13	16.5	12	26	13	33
S6500 12-1/4	12	R1/4	7.3	14.5	19.5	11	26.5	15	46
S6500 12-3/8	12	R3/8	7.3	13.5	19.5	11.5	26.5	15	39

Fittings Mod. 6525

Long Swivel Male Elbow Sprint®

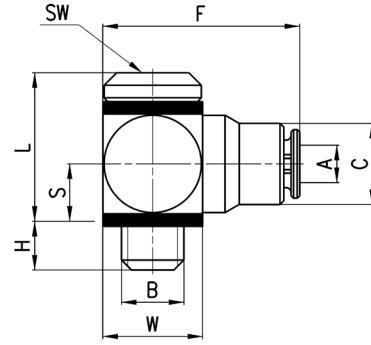


DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight (g)
6525 6-1/8	6	G1/8	4	33.8	12.7	5.5	20	9	12	34
6525 6-1/4	6	G1/4	4	34	12.7	7	20	9	14	47
6525 8-1/8	8	G1/8	5	34.8	14.2	5.5	22.5	11	12	35
6525 8-1/4	8	G1/4	5	35	14.2	7	22.5	11	14	50

Fittings Mod. 6621 Micro



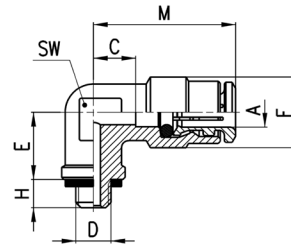
Complete Metric Adjustable
Single Banjo



DIMENSIONS										
Mod.	A	B	C	F	H	L	S	W	SW	Weight (g)
6621 3-M3	3	M3	5.8	14.2	2.5	9.3	3.5	6	1.5	5
6621 3-M5	3	M5	6.5	16	3.2	11.9	4.8	8	2	6

Fitting Mod. 6501 4-M5

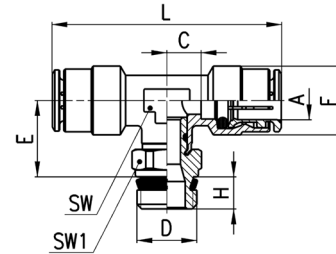
Metric Fix Male Elbow



DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	Weight (g)	
6501 4-M5	4	M5	3.5	6	9	4	17.5	8	11	

Fittings Mod. S6430

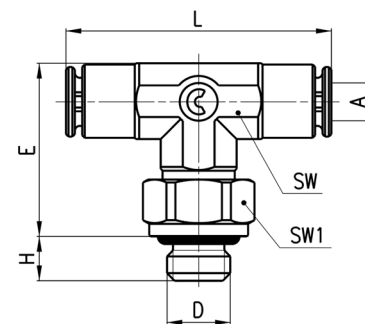
Swivel Male Tee Sprint®



DIMENSIONS										
Mod.	A	D	C	E	F	H	L	SW	SW1	Weight (g)
S6430 4-1/8	4	G1/8	3.5	14.5	9	5.5	35	8	12	18
S6430 5-1/8	5	G1/8	5.5	14.5	10	5.5	41	9	12	24
S6430 5-1/4	5	G1/4	5.5	14.5	10	7	41	9	14	30
S6430 6-1/8	6	G1/8	4	15	12.7	5.5	40	9	12	28
S6430 6-1/4	6	G1/4	4	15	12.7	7	40	9	14	33
S6430 8-1/8	8	G1/8	5	16	14.2	5.5	45	11	12	37
S6430 8-1/4	8	G1/4	5	16	14.2	7	45	11	14	42
S6430 8-3/8	8	G3/8	5	16.5	14.2	8	45	11	19	51
S6430 10-1/4	10	G1/4	5.8	18.5	16.5	7	52	13	14	56
S6430 10-3/8	10	G3/8	5.8	19	16.5	8	52	13	19	67
S6430 10-1/2	10	G1/2	5.8	19.5	16.5	9	52	13	22	85
S6430 12-1/4	12	G1/4	7.3	20	19.5	7	53	15	17	60
S6430 12-3/8	12	G3/8	7.3	20	19.5	8	53	15	19	65
S6430 12-1/2	12	G1/2	7.3	20.5	19.5	9	53	15	22	89
S6430 14-1/2	14	G1/2	8.3	21.5	21.5	9	57	17	22	88

Fittings Mod. 6432 Micro

Metric Swivel Male Tee

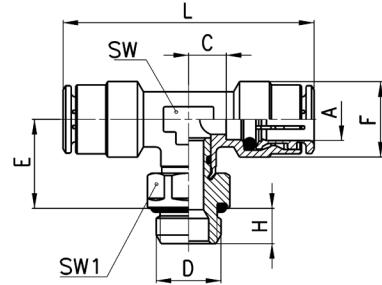


DIMENSIONS									
Mod.	A	D	E	H	L	SW	SW1	Weight (g)	
6432 3-M3	3	M3	13.7	2.5	21.4	6	6	5	*
6432 3-M5	3	M5	13.7	3.5	21.4	6	8	6	•

* = with gasket
• = with O-Ring

Fittings Mod. 6432

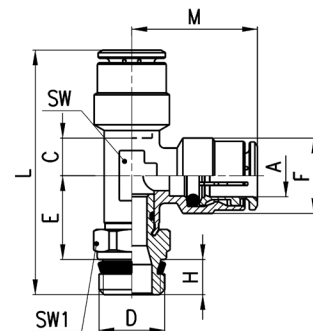
Metric-BSP Swivel Male Tee



DIMENSIONS										
Mod.	A	D	C	E	F	H	L	SW	SW1	Weight (g)
6432 4-M5	4	M5	3.5	12.5	9	4	35	8	8	14
6432 4-1/8	4	G1/8	3.5	14.5	9	6	35	8	12	19
6432 5-M5	5	M5	5.5	12.5	10	4	41	9	8	19
6432 6-1/8	6	G1/8	4	15	12.7	6	40	9	12	29
6432 6-1/4	6	G1/4	4	16	12.7	7	40	9	15	30
6432 8-1/8	8	G1/8	5	16	14.2	6	45	11	12	37
6432 8-1/4	8	G1/4	5	17	14.2	7	45	11	15	39
6432 8-3/8	8	G3/8	5	17	14.2	7	45	11	19	55
6432 10-1/4	10	G1/4	5.8	19.5	16.5	7	52	13	15	59
6432 10-3/8	10	G3/8	5.8	19.5	16.5	7	52	13	19	56
6432 12-1/4	12	G1/4	7.3	20	19.5	7	53	15	17	60
6432 12-3/8	12	G3/8	7.3	20.5	19.5	7	53	15	19	80

Fittings Mod. S6440

Lateral Swivel Male Tee Sprint®

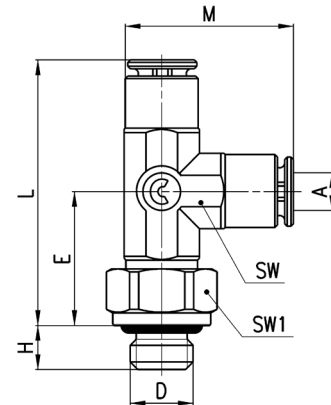


DIMENSIONS											
Mod.	A	D	C	E	F	H	L	M	SW	SW1	Weight (g)
S6440 4-1/8	4	G1/8	3.5	14.5	9	5.5	37.5	17.5	8	12	23
S6440 5-1/8	5	G1/8	5.5	14.5	10	5.5	40.5	20.5	9	12	24
S6440 6-1/8	6	G1/8	4	15	12.7	5.5	40.5	20	9	12	26
S6440 6-1/4	6	G1/4	4	15	12.7	7	42	20	9	14	31
S6440 8-1/8	8	G1/8	5	16	14.2	5.5	44	22.5	11	12	37
S6440 8-1/4	8	G1/4	5	16	14.2	7	45.5	22.5	11	14	35
S6440 8-3/8	8	G3/8	5	16.5	14.2	8	47	22.5	11	19	52
S6440 10-1/4	10	G1/4	5.8	18.5	16.5	7	51.5	26	13	14	43
S6440 10-3/8	10	G3/8	5.8	18.5	16.5	8	53	26	13	19	66
S6440 12-3/8	12	G3/8	7.3	19.5	19.5	8	54.5	26.5	15	19	65
S6440 14-1/2	14	G1/2	8.3	21.5	21.5	9	59	28.5	17	22	88

Fittings Mod. 6442 Micro



Lateral Metric Swivel Male Tee



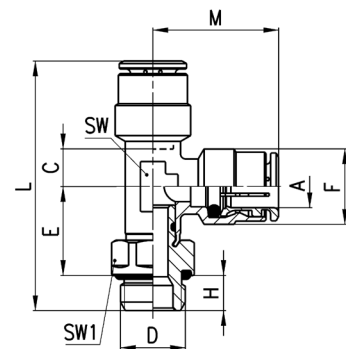
DIMENSIONS										
Mod.	A	D	E	H	L	M	SW	SW1	Weight (g)	
6442 3-M3	3	M3	10.7	2.5	21.4	13.7	6	6	5	*
6442 3-M5	3	M5	12.2	3.5	21.4	13.7	6	8	6	•

* = with gasket
• = with O-Ring

Fittings Mod. 6442



Lateral Metric-BSP Swivel Male Tee

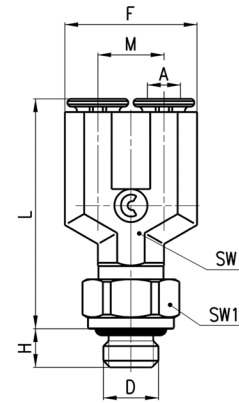


DIMENSIONS											
Mod.	A	D	C	E	F	H	L	M	SW	SW1	Weight (g)
6442 4-M5	4	M5	3.5	12.5	9	4	34	17.5	8	8	18
6442 4-1/8	4	G1/8	3.5	14.5	9	6	38	17.5	8	12	19
6442 5-M5	5	M5	5.5	12.5	10	4	36.5	20.5	9	8	19
6442 6-1/8	6	G1/8	4	15	12.7	6	41	20	9	12	26
6442 6-1/4	6	G1/4	4	16	12.7	7	43	20	9	15	36
6442 8-1/8	8	G1/8	5	16	14.2	6	44.5	22.5	11	12	31
6442 8-1/4	8	G1/4	5	17	14.2	7	46.5	22.5	11	15	42
6442 8-3/8	8	G3/8	5	17	14.2	7	46.5	22.5	11	19	50
6442 10-1/4	10	G1/4	5.8	19.5	16.5	7	52.5	26	13	15	46
6442 10-3/8	10	G3/8	5.8	19.5	16.5	7	52.5	26	13	19	66
6442 12-1/4	12	G1/4	7.3	20	16.5	7	53.5	26.5	15	17	73
6442 12-3/8	12	G3/8	7.3	20.5	19.5	7	54	26.5	15	19	64

Fittings Mod. 6452 Micro



Metric Swivel Male Y



DIMENSIONS										
Mod.	A	D	F	H	L	M	SW	SW1	Weight (g)	
6452 3-M3	3	M3	12	2.5	20.9	6	6	6	6	*
6452 3-M5	3	M5	12	3.5	20.9	6	6	8	7	•

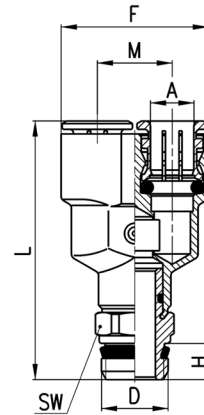
* = with gasket
• = with O-Ring

Fittings Mod. 6451 - S6450



Mod. 6451: Metric Adjustable Male Y

Mod. S6450: Swivel Male Y Sprint®

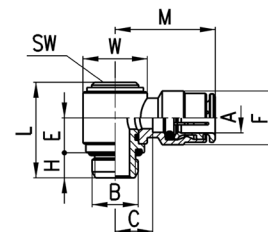


DIMENSIONS									
Mod.	A	D	F	H	L	M	SW	Weight (g)	
6451 4-M5	4	M5	18	4	26.5	9	-	17	*
6451 6-M5	6	M5	24.5	4	29.5	12.5	-	27	*
S6450 4-1/8	4	G1/8	18	5.5	38	9	12	23	
S6450 6-1/8	6	G1/8	24.5	5.5	41.5	12.5	12	33	
S6450 8-1/8	8	G1/8	28.5	5.5	48.5	14.5	14	48	
S6450 8-1/4	8	G1/4	28.5	7	50	14.5	14	50	

* = not swivel Model with gasket

Fittings Mod. 6622

Complete BSP Swivel Single Banjo

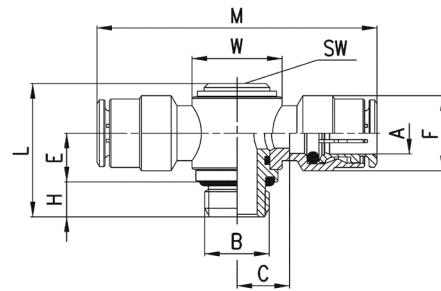


DIMENSIONS											
Mod.	A	B	C	E	F	H	L	M	SW	W	Weight (g)
6622 4-M5	4	M5	4	5.7	8.8	4	15.8	18	2.5	Ø 8	*
6622 4-1/8	4	G1/8	7.5	10.2	9	5	25	21.5	4	Ø 14	22
6622 6-1/8	6	G1/8	8	10.2	12.7	5	25	24	4	Ø 14	24
6622 6-1/4	6	G1/4	10	9.1	12.7	6	25.3	26	5	Ø 18	35
6622 8-1/8	8	G1/8	8	10.2	14.2	5	25	25.5	4	Ø 14	28
6622 8-1/4	8	G1/4	10	9.1	14.2	6	25.3	27.5	5	Ø 18	39
6622 10-1/4	10	G1/4	8.8	9.1	16.5	6	25.3	29	5	Ø 18	42

* = Complete Metric Swivel Single Banjo

Fittings Mod. 6632

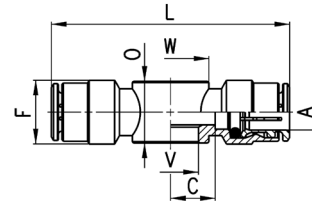
Complete BSP Swivel
Double Banjo



DIMENSIONS											
Mod.	A	B	C	E	F	H	L	M	W	SW	Weight (g)
6632 4-1/8	4	G1/8	7.5	10.2	9	5	25	43	∅ 14	4	24
6632 6-1/8	6	G1/8	8	10.2	12.7	5	25	48	∅ 14	4	33
6632 6-1/4	6	G1/4	10	9.1	12.7	6	25.3	52	∅ 18	5	35
6632 8-1/8	8	G1/8	8	10.2	14.2	5	25	51	∅ 14	4	39
6632 8-1/4	8	G1/4	10	9.1	14.2	6	25.3	55	∅ 18	5	40
6632 10-1/4	10	G1/4	8.8	9.1	16.5	6	25.3	58	∅ 18	5	50

Fittings Mod. 6620

Double Banjo



DIMENSIONS										
Mod.	A	C	F	L	O	V	W	Weight (g)	assembled with Mod.	
6620 4-M5	4	5	9	38	9	5.1	∅ 9	13	SCU, SVU, SCO...	
6620 4-1/8	4	7.5	9	43	14.5	9.8	∅ 14	19	1631, 1635, SCU, SVU, SCO...	
6620 6-1/8	6	8	12.7	48	14.5	9.8	∅ 14	24	1631, 1635, SCU, SVU, SCO...	
6620 6-1/4	6	10	12.7	52	14.5	13.2	∅ 18	26	1631, 1635, SCU, SVU, SCO...	
6620 8-1/8	8	8	14.2	51	14.5	9.8	∅ 14	32	1631, 1635, SCU, SVU, SCO...	
6620 8-1/4	8	10	14.2	55	14.5	13.2	∅ 18	34	1631, 1635, SCU, SVU, SCO...	

Fittings Mod. 1631 with gaskets

01... = Single Banjo Stem
02... = Double Banjo Stem
03... = Triple Banjo Stem

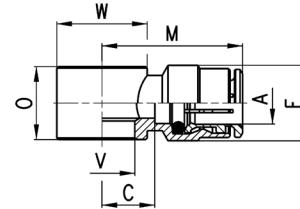


Mod.
1631 01-
1631 02-
1631 03-

Drawings and dimensions on page
2.05.09

Fittings Mod. 6610

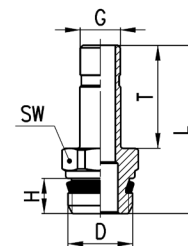
Single Banjo



DIMENSIONS									
Mod.	A	C	F	M	O	V	W	Weight (g)	assembled with Mod.
6610 4-M5	4	5	9	19	9	5.1	9	9	1631
6610 4-M6	4	5	9	19	9	5.1	9	8	SCU, SVU, SCO...
6610 4-1/8	4	7.5	9	21.5	14.5	9.8	∅ 14	14	1631, 1635, SCU, SVU, SCO...
6610 5-M5	5	5	10	20	9	5.1	9	9	1631
6610 5-M6	5	5	10	20	9	5.1	9	8	SCU, SVU, SCO...
6610 5-1/8	5	8	10	23	14.5	9.8	∅ 14	16	1631, 1635, SCU, SVU, SCO...
6610 6-M5	6	6.5	12.7	22.5	9	5.1	∅ 10	12	1631
6610 6-M6	6	6.5	12.7	22.5	9	5.1	∅ 10	12	SCU, SVU, SCO...
6610 6-1/8	6	8	12.7	24	14.5	9.8	∅ 14	16	1631, 1635, SCU, SVU, SCO...
6610 6-1/4	6	10	12.7	26	14.5	13.2	∅ 18	19	1631, 1635, SCU, SVU, SCO...
6610 8-1/8	8	8	14.2	25.5	14.5	9.8	∅ 14	19	1631, 1635, SCU, SVU, SCO...
6610 8-1/4	8	10	14.2	27.5	14.5	13.2	∅ 18	22	1631, 1635, SCU, SVU, SCO...
6610 8-3/8	8	11	14.2	28.5	14.5	16.7	∅ 21	23	1631, 1635, SCU, SVU, SCO...
6610 10-1/4	10	8.8	16.5	29	14.5	13.2	∅ 18	22	1635, SCU, SVU, SCO...
6610 10-3/8	10	10.3	16.5	30.5	14.5	16.7	∅ 21	23	1635, SCU, SVU, SCO...
6610 12-1/2	12	12,8	16,5	32	14,5	21	∅ 26	37	1635

Fittings Mod. 6811

Metric Male Adaptor Sprint®



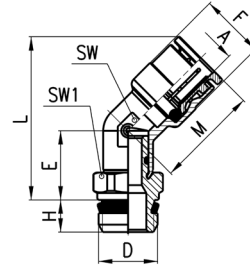
DIMENSIONS							
Mod.	G	D	H	T	L	SW	Weight (g)
6811 4-M5	4	M5	4	16.5	24.5	8	3 *
6811 4-1/8	4	G1/8	5.5	16.5	27.8	12	10
6811 5-1/8	5	G1/8	5.5	18	29.3	12	9
6811 5-1/4	5	G1/4	7	18	31	14	11
6811 6-1/8	6	G1/8	5.5	18	29.3	12	10
6811 6-1/4	6	G1/4	7	18	31	14	12
6811 8-1/8	8	G1/8	5.5	20.5	31.8	12	12
6811 8-1/4	8	G1/4	7	20.5	33.5	14	13
6811 10-1/4	10	G1/4	7	23	36	14	16
6811 10-3/8	10	G3/8	8	23	37.3	19	25
6811 12-3/8	12	G3/8	8	24	38.3	19	25
6811 14-1/2	14	G1/2	9	28	44	22	39

* = with O-Ring

Fittings Mod. S6110

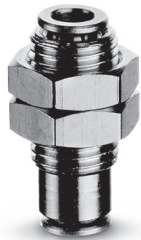


45° Male Elbow Sprint®

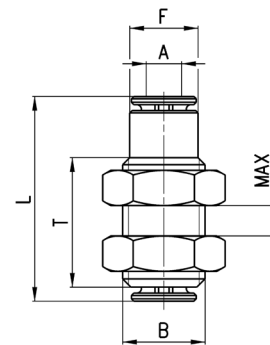


DIMENSIONS										
Mod.	A	D	E	F	H	L	M	SW	SW1	Weight (g)
S6110 6-1/8	6	G1/8	14	12.7	5.5	32.5	20.5	11	12	21
S6110 6-1/4	6	G1/4	14	12.7	7	34.5	20.5	11	14	25
S6110 8-1/8	8	G1/8	14	14.2	5.5	32.5	22.5	11	12	21
S6110 8-1/4	8	G1/4	14	14.2	7	34.5	22.5	11	14	26
S6110 8-3/8	8	G3/8	14.5	14.2	8	35	22.5	11	19	38
S6110 10-1/4	10	G1/4	15.5	16.5	7	39.5	26.5	15	17	39
S6110 10-3/8	10	G3/8	15.5	16.5	8	39.5	26.5	15	19	44
S6110 10-1/2	10	G1/2	16	16.5	9	40	26.5	15	22	57
S6110 12-1/4	12	G1/4	15.5	19.5	7	40.5	26.5	15	17	41
S6110 12-3/8	12	G3/8	15.5	19.5	8	40.5	26.5	15	19	46
S6110 12-1/2	12	G1/2	16	19.5	9	41	26.5	15	22	59

Fittings Mod. 6590 Micro



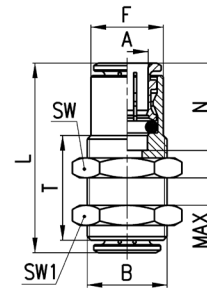
Bulkhead Connector



DIMENSIONS							
Mod.	A	B	F	L	MAX	T	Weight (g)
6590 3	3	M7x0.75	5.8	18.4	5	11.4	4

Fittings Mod. 6590

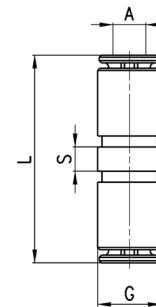
Bulkhead Connector



DIMENSIONS										
Mod.	A	B	F	L	N	MAX	SW	SW1	T	Weight (g)
6590 4	4	M10x1	8.8	29	14	10.5	14	14	20	16
6590 5	5	M12x1	9.8	31	15	10.5	17	17	20	25
6590 6	6	M14x1	12.5	33	16	10.5	17	17	20	28
6590 8	8	M16x1	14.5	36	17.5	11.5	19	19	21	35
6590 10	10	M18x1	16.3	41.5	20.2	13	22	22	23.5	51
6590 12	12	M20x1	18.8	39.5	19.2	14.5	24	24	25	56
6590 14	14	M22x1	20.5	41.5	20.2	17.5	27	27	30	82

Fittings Mod. 6580 Micro

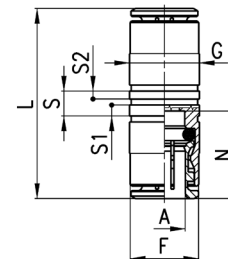
Union Connector



DIMENSIONS					
Mod.	A	G	L	S	Weight (g)
6580 3	3	5.8	19.9	2.2	2

Fittings Mod. 6580

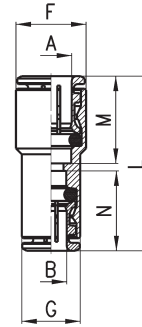
Union Connector



DIMENSIONS									
Mod.	A	F	G	L	N	S	S1	S2	Weight (g)
6580 4	4	8.4	9	29	14	5	2.2	1.6	11
6580 5	5	9.4	10	31	15	5	2.2	1.6	15
6580 6	6	11.7	12	34	16	5	2.2	1.6	16
6580 8	8	13.7	14	37	17.5	5	2.2	1.6	23
6580 10	10	15.4	17	41.5	20.2	5	2.2	1.6	33
6580 12	12	18.3	19	39.5	19.2	5.2	2.2	1.6	40
6580 14	14	20.5	21	41.5	20.2	5.2	2.2	1.6	47
6580 16	16	-	47	47	23	-	-	-	60

Fittings Mod. 6580 - Reducer

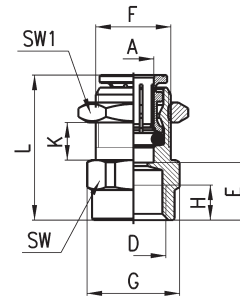
Reducer Union Connector



DIMENSIONS									
Mod.	A	B	F	G	L	M	N	Weight (g)	
6580 6-4	6	4	12	9	31.5	16	14	12	
6580 8-6	8	6	14	12.2	35	17.5	16	19	
6580 10-8	10	8	16	14	39	20	17.5	25	
6580 12-10	12	10	19	16	40.5	19	20	35	

Fittings Mod. 6593

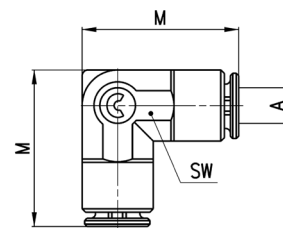
BSP Female Bulkhead



DIMENSIONS												
Mod.	A	D	E	F	G	H	L	K (max)	K (min)	SW	SW1	Weight (g)
6593 6-1/8	6	G1/8	10	M12x1	16.4	6	24.5	8.5	2	15	17	19
6593 6-1/4	6	G1/4	11.5	M12x1	18.5	7	26	6.5	2	17	17	22
6593 8-1/8	8	G1/8	10	M15x1	18.5	6	27	9.5	2	17	19	26
6593 8-1/4	8	G1/4	11.5	M15x1	18.5	7	28.5	9.5	2	17	19	26
6593 10-3/8	10	G3/8	12.8	M18x1	24.5	8	32.5	12	2	22	22	43

Fittings Mod. 6550 Micro

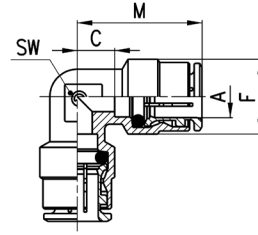
Elbow connector



DIMENSIONS				
Mod.	A	M	SW	Weight (g)
6550 3	3	13.7	6	3

Fittings Mod. 6550

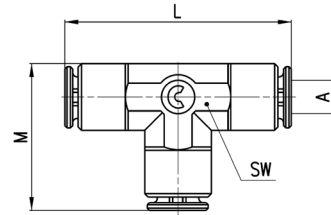
Elbow connector



DIMENSIONS						
Mod.	A	C	F	M	SW	Weight (g)
6550 4	4	3.5	9	17.5	8	8
6550 5	5	5.5	10	20.5	9	15
6550 6	6	4	12.7	20	9	17
6550 8	8	5	14.2	22.5	11	22
6550 10	10	5.8	16.5	26	13	30
6550 12	12	7.3	19.5	26.5	15	44
6550 14	14	8.3	21.5	28.5	17	71

Fittings Mod. 6540 Micro

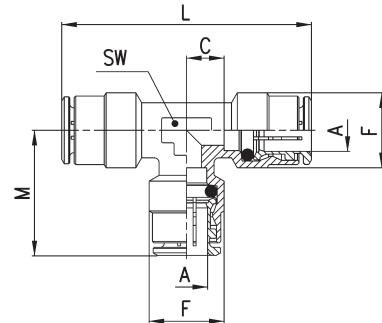
Tee Connector



DIMENSIONS					
Mod.	A	L	M	SW	Weight (g)
6540 3	3	21.4	13.7	6	4

Fittings Mod. 6540

Tee Connector

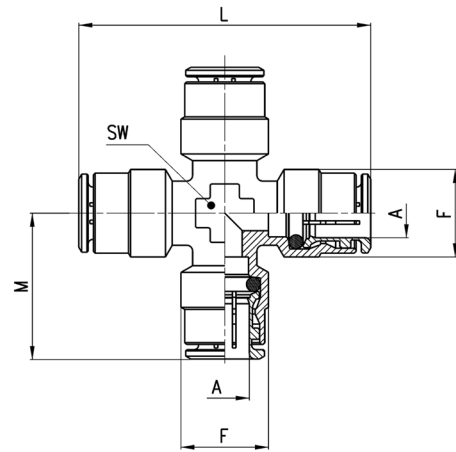


DIMENSIONS							
Mod.	A	C	F	L	M	SW	Weight (g)
6540 4	4	3.5	9	35	17.5	8	14
6540 5	5	5.5	10	41	20.5	9	21
6540 6	6	4	12.7	40	20	9	24
6540 8	8	5	14.2	45	22.5	11	32
6540 10	10	5.8	16.5	52	26	13	43
6540 12	12	7.3	19.5	53	26.5	15	60
6540 14	14	8.3	21.5	57	28.5	17	75

Fittings Mod. 6600

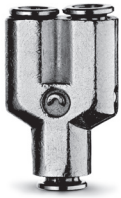


Cross Junction

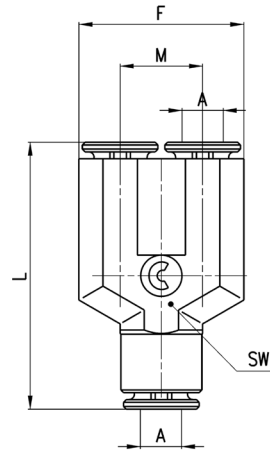


DIMENSIONS						
Mod.	A	F	L	M	SW	Weight (g)
6600 4	4	9	38	19	9	26
6600 5	5	10	41	20.5	9	29
6600 6	6	12.7	44	22	10	35
6600 8	8	14.2	49	24.5	12	50
6600 10	10	16.5	55	27.5	14	63
6600 12	12	19.5	56	28	16	84

Fittings Mod. 6560 Micro



Y Union

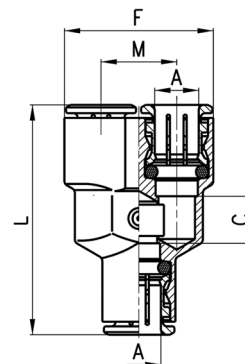


DIMENSIONS						
Mod.	A	F	L	M	SW	Weight (g)
6560 3	3	12	20.4	6	6	5

Fittings Mod. 6560



Y Union



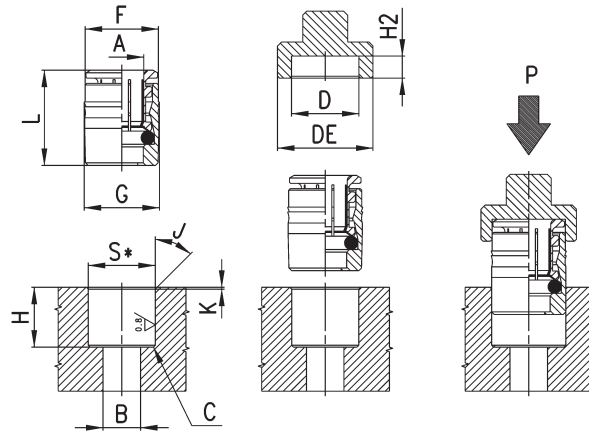
DIMENSIONS						
Mod.	A	C	F	L	M	Weight (g)
6560 4	4	5	18	33	9	19
6560 6	6	7	24.5	39	12.5	30
6560 8	8	9	28.5	44	14.5	42
6560 10	10	15.5	32	53.5	16	63

Fittings Mod. 6700

Cartridge



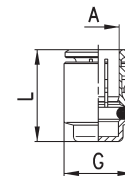
S* = for both metallic and synthetic seat



Mod.	A	B	C	D	DE	F	G	H	H2 (+0,1/0)	J	K	L	P min (Kg)	P max (Kg)	S (+0,01/-0,04)	Weight (g)
6700 3	3	2	0.5x45°	6.1	11	5.9	6.2	6.3	2.6	30°	0.3	9.2	80	350	6	1
6700 4	4	3.5	0.5x45°	8.8	14	8.6	9	11	3.3	15°	0.5	14.5	200	360	8.75	4
6700 5	5	3.5	0.5x45°	9.8	15	9.6	10	11.5	3.3	15°	0.5	15.5	230	450	9.75	5
6700 6	6	4	0.5x45°	12	17	11.8	12.2	12	3.8	15°	0.5	16.5	160	570	11.95	8
6700 8	8	6	0.5x45°	14	19	13.8	14.2	14	3.3	15°	0.5	18	140	400	13.95	11
6700 10	10	8	0.5x45°	16	21	15.8	16.2	16.5	3.5	15°	0.5	20.5	150	650	15.95	15

Fittings Mod. 6750

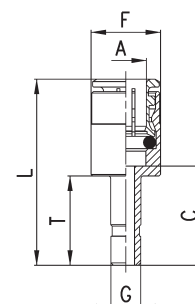
Female Plug



DIMENSIONS				
Mod.	A	G	L	Weight (g)
6750 4	4	8.8	15	4
6750 6	6	11.8	17	7
6750 8	8	13.8	18.5	9
6750 10	10	15.8	21	12
6750 12	12	17.8	20	15

Fittings Mod. 6850

Enlarger Junction

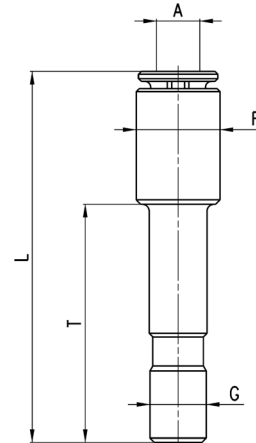


DIMENSIONS							
Mod.	A	G	C	F	L	T	Weight (g)
6850 6-4	6	4	17.5	12.7	33.5	16.5	11
6850 8-6	8	6	19	14	36.5	18	15

Fitting Mod. 6800 Micro



Reducer Junction

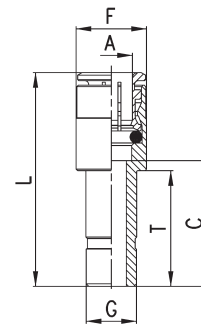


DIMENSIONS						
Mod.	A	F	G	L	T	Weight (g)
6800 3-4	3	5.8	4	26	16.5	2

Fittings Mod. 6800



Reducer Junction

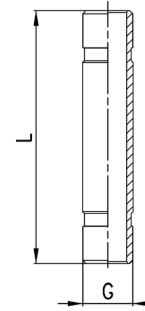


DIMENSIONS							
Mod.	A	G	C	F	L	T	Weight (g)
6800 4-5	4	5	19	9	33	18	8
6800 4-6	4	6	15.5	9	29.5	18	9
6800 4-8	4	8	18	9	32	20.5	10
6800 5-6	5	6	19	10	34	18	11
6800 5-8	5	8	18	10	33	20.5	12
6800 6-8	6	8	18	12.7	34	20.5	12
6800 6-10	6	10	20.5	12.7	36.5	23	17
6800 6-12	6	12	17.5	12.7	33.5	24	21
6800 8-10	8	10	20.5	14	38	23	15
6800 8-12	8	12	21.5	14	39	24	22
6800 10-12	10	12	20.3	16.5	40.5	24	27
6800 10-14	10	14	24.3	16.5	44.5	28	33
6800 12-14	12	14	24.3	18.8	45.5	28	27

Fittings Mod. 6950



Junction

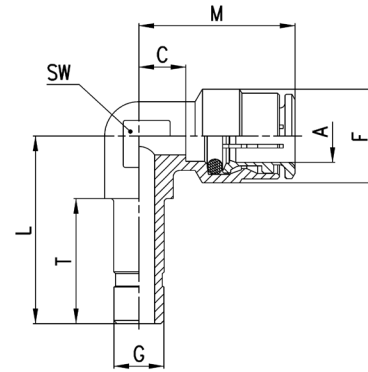


DIMENSIONS			
Mod.	G	L	Weight (g)
6950 4	4	32.5	3
6950 6	6	35.5	4
6950 8	8	40.5	7
6950 10	10	46	10
6950 12	12	48	13
6950 14	14	52	17

Fittings Mod. 6555



Junction Elbow

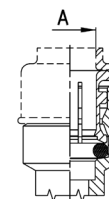
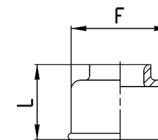


DIMENSIONS									
Mod.	A	G	C	L	F	T	M	SW	Weight (g)
6555 4-4	4	4	3.5	22	9	16.5	17.5	9	8
6555 6-6	6	6	4	24.5	12.7	18	20	9	14
6555 8-8	8	8	5	27.5	14.2	20	22.5	11	21
6555 10-10	10	10	5.8	32	16.5	23	26	13	26

Fittings Mod. 6708



Protection caps
Colour: Black
Self-extinguishing material, class V0

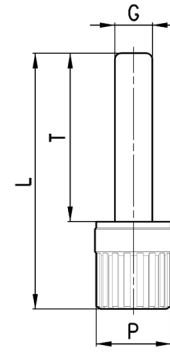


DIMENSIONS				
Mod.	A	F	L	Weight (g)
6708 4	4	10.7	10.7	1
6708 5	5	11.7	11	1
6708 6	6	13.7	11.5	1
6708 8	8	15.7	12.5	1
6708 10	10	18.5	13	1
6708 12	12	20.7	15	2
6708 14	14	23.7	15	2

Accessory Mod. 6900 Micro



Plastic Male Plug

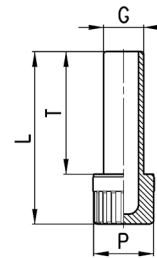


DIMENSIONS					
Mod.	G	L	P	T	Weight (g)
6900 3	3	20.5	6	13.5	1

Accessory Mod. 6900



Plastic Male Plug



DIMENSIONS					
Mod.	G	L	P	T	Weight (g)
6900 4	4	29	8	20	1
6900 5	5	29.5	8	20.5	1
6900 6	6	31.5	8	22.5	1
6900 8	8	34.5	12	24.5	2
6900 10	10	37	12	27	2
6900 12	12	40.5	16	28.5	3
6900 14	14	42.5	16	30.5	3

Accessory Mod. SP



Disconnecting tube set

The set includes keys to disconnect tubes with diameters between 4 and 12 mm.

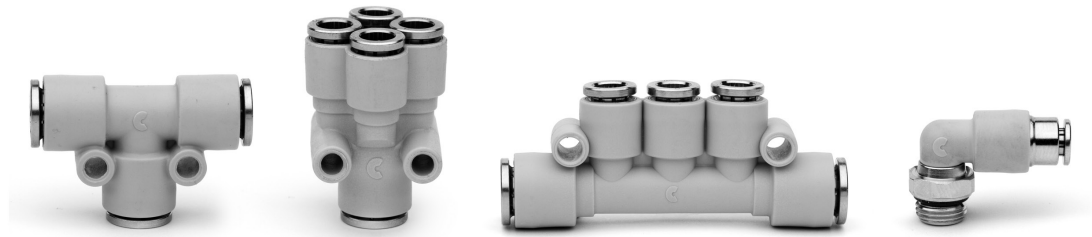
Mod.
SP

Series 7000 super-rapid Compact fittings in technopolymer

Tube external diameters: 4, 6, 8, 10, 12, 16 mm

Fittings threads: metric (M5, M7), BSP (G1/8, G1/4, G3/8, G1/2, G3/4)

SERIES 7000 SUPER-RAPID COMPACT FITTINGS IN TECHNOPOLYMER



Series 7000 super-rapid fittings are realized in technopolymer.

Compact and lightweight, they are suitable for applications where weight can be a key factor.

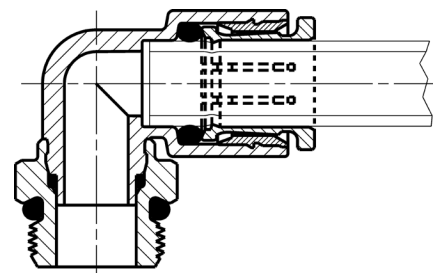
The special collet, which has been designed properly for this series, provides an homogeneous tight on the whole surface of plastic tubes, thus ensuring high reliability and long service life, also after connections and disconnections of the tube are repeated several times.

The wide range of these fittings includes the LF version ("Stop Fitting") which is equipped with a self-retaining device interrupting the air flow when the tube is disconnected and restores it when reconnected.

GENERAL DATA

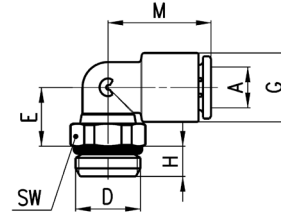
Diameters	ø 4 - 6 - 8 - 10 - 12 - 16 mm
Threads	GAS cylindrical ISO-228 (BSP)
Temperature	-20° ÷ 60°C (see the technical data of tubing used)
Tube to connect	Polyamide (PA) 6 - 11 - 12, Polyurethane (PU), Polyethylene (PE), hytrel Polyester
Medium	compressed air (for other types of fluids, contact our engineers)
Materials	- standard models: body in technopolymer; insert in brass; collet in nickel-plated brass; seals in NBR - models with self-retaining device: body in technopolymer; swivel nut, insert and collet nickel-plated brass; poppet valve in not nickel-plated brass; spring in stainless steel; seals in NBR
Working pressure	- standard models: -0.9 ÷ 16 bar (see the technical data of tubing used) - models with self-retaining device: 0 ÷ 16 bar

Fitting with connecting tube



Fittings Mod. 7522

Metric-BSP Male Swivel Elbow

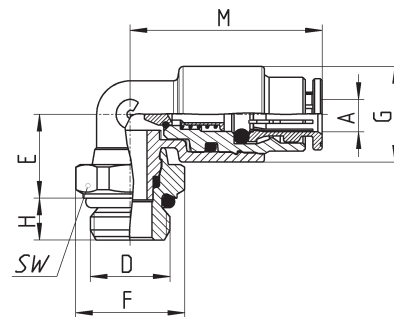
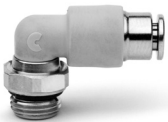


DIMENSIONS								
Mod.	A	D	E	G	H	M	SW	Weight (g)
7522 4-M5	4	M5	8.5	9.4	3.5	17	9	4
7522 4-M7	4	M7	11	9.4	5	17	10	6
7522 4-1/8	4	G1/8	9	9.4	5	17	12	7
7522 4-1/4	4	G1/4	9	9.4	6	17	14	10
7522 6-M5	6	M5	9.5	11.6	3.5	18.5	9	5
7522 6-M7	6	M7	12	11.6	5	18.5	10	7
7522 6-1/8	6	G1/8	10	11.6	5	18.5	12	8
7522 6-1/4	6	G1/4	10	11.6	6	18.5	14	11
7522 8-1/8	8	G1/8	13.5	13.9	5	20.5	12	11
7522 8-1/4	8	G1/4	12	13.9	6	20.5	14	13
7522 8-3/8	8	G3/8	12.5	13.9	7	20.5	19	21
7522 10-1/4	10	G1/4	14.5	16.1	6	24	14	15
7522 10-3/8	10	G3/8	13.5	16.1	7	24	19	21
7522 10-1/2	10	G1/2	13.5	16.1	8	24	24	30
7522 12-1/4	12	G1/4	16	20.2	6	28	17	20
7522 12-3/8	12	G3/8	15	20.2	7	28	19	25
7522 12-1/2	12	G1/2	15.5	20.2	8	28	24	34
7522 16-1/2	16	G1/2	30	27	8	33.5	24	61
7522 16-3/4	16	G3/4	24	27	9	33.5	30	70

Fittings Mod. 7522...LF

Metric-BSP Male Swivel Elbow with self-retaining device

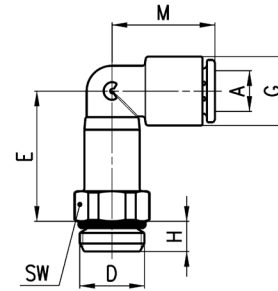
This version interrupts the air flow when the tube is disconnected and restores it when reconnected.



Mod.	A	D	E	F	G	H	M	SW	weight (g)
7522 4-1/8-LF	4	G1/8	10	13	1.6	5	23	12	11
7522 6-1/8-LF	6	G1/8	13.5	13	13.9	5	37.5	12	23

Fittings Mod. 7526

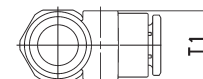
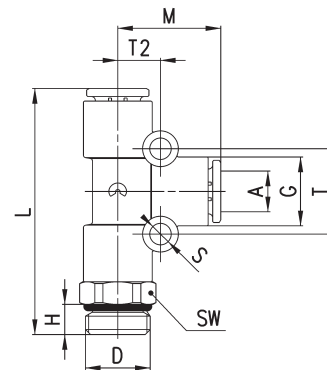
Long BSP Male Swivel Elbow



DIMENSIONS								
Mod.	A	D	E	G	H	M	SW	Weight (g)
7526 4-1/8	4	G1/8	22	9,4	5	17	12	12
7526 6-1/8	6	G1/8	23	11,6	5	18,5	12	13
7526 6-1/4	6	G1/4	23	11,6	5	18,5	14	16
7526 8-1/8	8	G1/8	29	13,9	5	20,5	12	18
7526 8-1/4	8	G1/4	27	13,9	6	20,5	14	20

Fittings Mod. 7442

Lateral BSP Swivel Male Tee

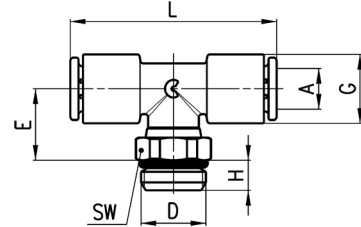


DIMENSIONS												
Mod.	A	D	G	H	L	M	S	T	T1	T2	SW	Weight (g)
7442 4-1/8	4	G1/8	9,4	5	40	16,5	4	13	9,2	6,5	12	11
7442 6-1/8	6	G1/8	11,6	5	44	18,5	4	15	11,4	7,5	12	15
7442 6-1/4	6	G1/4	11,6	6	45	18,5	4	15	11,4	7,5	14	18
7442 8-1/8	8	G1/8	13,9	5	49	20,5	4	17	13,7	8,5	14	23
7442 8-1/4	8	G1/4	13,9	6	49	20,5	4	17	13,7	8,5	17	22
7442 8-3/8	8	G3/8	13,9	7	50,5	20,5	4	17	13,7	8,5	19	29
7442 10-1/4	10	G1/4	16,1	6	57	24	4	16	15,8	8	17	32
7442 10-3/8	10	G3/8	16,1	7	57,5	24	4	16	15,8	8	19	33
7442 12-3/8	12	G3/8	20,2	7	65,5	28	4	19,2	9	9,6	19	51
7442 12-1/2	12	G1/2	20,2	8	66,5	28	4	19,2	9	9,6	24	58
7442 16-1/2	16	G1/2	27	8	71,5	33,5	-	-	-	-	24	80
7442 16-3/4	16	G3/4	27	9	66,5	33,5	-	-	-	-	30	90

* = model without mounting holes

Fittings Mod. 7432

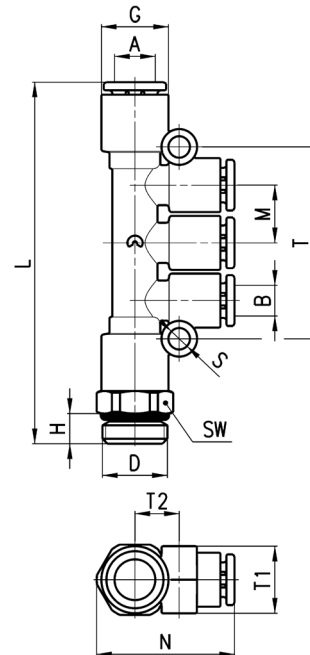
BSP Swivel Male Tee



DIMENSIONS								
Mod.	A	D	E	G	H	L	SW	Weight (g)
7432 4-M5	4	M5	14	9,4	3,5	34	9	7
7432 4-1/8	4	G1/8	11,5	9,4	5	34	12	9
7432 6-M5	6	M5	15,5	11,6	3,5	37	9	9
7432 6-1/8	6	G1/8	13	11,6	5	37	12	11
7432 6-1/4	6	G1/4	13	11,6	6	37	14	13
7432 8-1/8	8	G1/8	16	13,9	5	41	12	15
7432 8-1/4	8	G1/4	14,5	13,9	6	41	14	17
7432 8-3/8	8	G3/8	15,5	13,9	7	41	19	25
7432 10-1/4	10	G1/4	18,5	16,1	6	48	14	21
7432 10-3/8	10	G3/8	17,5	16,1	7	48	19	27
7432 12-1/4	12	G1/4	31,5	20,2	6	56	20	49
7432 12-3/8	12	G3/8	30,5	20,2	7	56	20	51
7432 12-1/2	12	G1/2	30,5	20,2	8	56	24	58
7432 16-1/2	16	G1/2	30	27	8	67	24	80
7432 16-3/4	16	G3/4	24	27	9	67	30	90

Fittings Mod. 7542

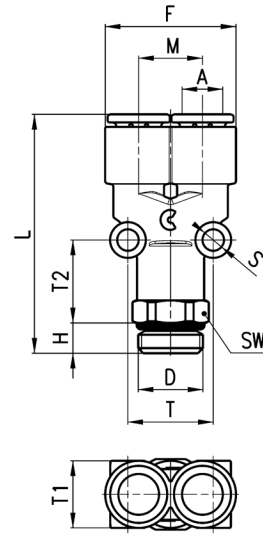
BSP Swivel Male Multi Tee Reducer



DIMENSIONS														
Mod.	A	B	D	G	H	L	M	N	S	SW	T	T1	T2	Weight (g)
7542 6-4-1/8	6	4	G1/8	11,6	5	62,5	9,6	24,5	4	12	32,5	11	7,5	18
7542 6-4-1/4	6	4	G1/4	11,6	6	63,5	9,6	25,5	4	14	32,5	11	7,5	21
7542 8-6-1/8	8	6	G1/8	13,9	5	72	11,5	27,5	4	14	38,2	13,5	9	28
7542 8-6-1/4	8	6	G1/4	13,9	6	72	11,5	27,5	4	14	38,2	13,5	9	26
7542 10-8-1/4	10	8	G1/4	16,1	6	87,5	14,1	31	4	17	45,8	16	10,5	41
7542 10-8-3/8	10	8	G3/8	16,1	7	88	14,1	32	4	19	45,8	16	10,5	42

Fittings Mod. 7562

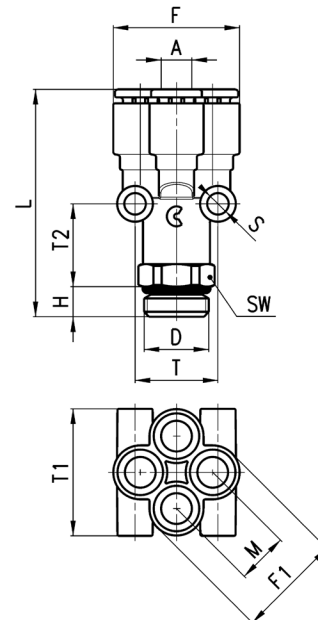
BSP Swivel Male Y



DIMENSIONS												
Mod.	A	D	F	H	L	M	S	SW	T	T1	T2	Weight (g)
7562 4-1/8	4	G1/8	18,5	5	40,5	9	4	12	12,2	11,6	16,5	13
7562 6-1/8	6	G1/8	23	5	44	11,4	4	14	14,5	14	18,5	15
7562 6-1/4	6	G1/4	23	6	44	11,4	4	14	14,5	14	17,5	29
7562 8-1/8	8	G1/8	27,2	5	47,5	13,5	4	14	17	14	17,5	24
7562 8-1/4	8	G1/4	26,2	6	49	12,7	4	17	16,5	15,5	19,5	30
7562 10-1/4	10	G1/4	31,7	6	55	15,8	4	17	16,5	16	19,5	32
7562 10-3/8	10	G3/8	31,7	7	55,5	15,8	4	19	16,5	16	19	34

Fittings Mod. 7572

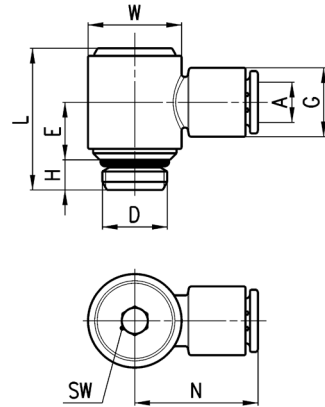
BSP Male Double Y



DIMENSIONS													
Mod.	A	D	H	F	F1	L	M	S	SW	T	T1	T2	Weight (g)
7572 4-1/8	4	G1/8	5	20,5	17	40,5	8,3	4	12	14,5	20,5	15	17
7572 4-1/4	4	G1/4	6	20,5	17	41,5	8,3	4	14	14,5	20,5	15	21
7572 6-1/8	6	G1/8	5	25	21	45,5	10,2	4	14	16,5	25	17,5	27
7572 6-1/4	6	G1/4	6	25	21	45,5	10,2	4	14	16,5	25	16,5	25

Fittings Mod. 7622

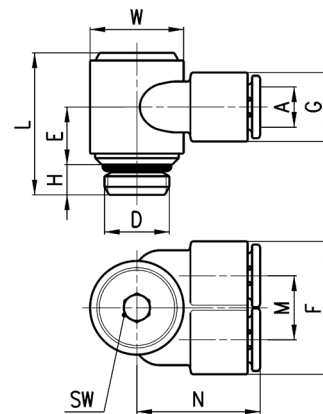
Complete BSP Swivel Single Banjo



DIMENSIONS										
Mod.	A	D	E	G	H	L	N	W	SW	Weight (g)
7622 4-1/8	4	G1/8	10	11,6	5	24,5	21	14	4	12
7622 6-1/8	6	G1/8	10	11,6	5	24,5	21	14	4	12
7622 6-1/4	6	G1/4	12,5	11,6	6	28	24,5	18,5	5	25
7622 8-1/8	8	G1/8	10	13,9	5	24,5	22,5	14	4	14
7622 8-1/4	8	G1/4	12,5	13,9	6	28	24,5	18,5	5	26
7622 10-1/4	10	G1/4	12,5	16,1	6	28	27	18,5	5	27
7622 10-3/8	10	G3/8	12,5	16,1	7	29	27	18,5	5	28
7622 12-3/8	12	G3/8	14	20,2	7	33,5	29	22	5	43

Fittings Mod. 7652

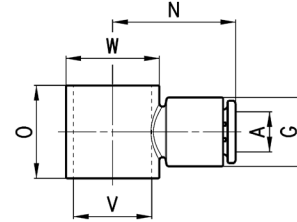
Complete BSP Swivel Double Banjo



DIMENSIONS												
Mod.	A	D	E	F	G	H	L	M	N	W	SW	Weight (g)
7652 4-1/8	4	G1/8	10	22,3	11,6	5	24,5	10,7	21	14	4	15
7652 6-1/8	6	G1/8	10	22,3	11,6	5	24,5	10,7	21	14	4	15
7652 6-1/4	6	G1/4	11,5	26,6	11,6	6	28	12,7	24,5	18,5	5	29
7652 8-1/8	8	G1/8	10	26,6	13,9	5	24,5	12,7	22	14	4	18
7652 8-1/4	8	G1/4	11,5	26,6	13,9	6	28	12,7	24,5	18,5	5	30
7652 10-1/4	10	G1/4	11,5	31	16	6	28	15	26,5	18,5	5	33
7652 10-3/8	10	G3/8	11,5	31	16	7	29	15	26,5	18,5	5	34

Fittings Mod. 7610 assembled with Mod. 7632 02, 7632 03

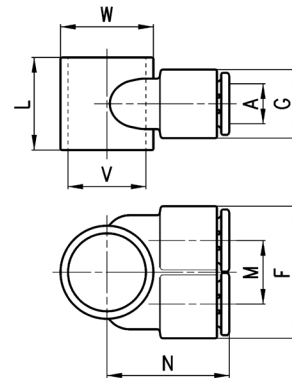
Single Banjo



DIMENSIONS							
Mod.	A	G	N	O	V	W	Weight (g)
7610 4-1/8	4	11,6	21	15,5	11	14	3
7610 6-1/8	6	11,6	21	15,5	11	14	4
7610 6-1/4	6	13,9	24,5	18,5	15,5	18,5	6
7610 8-1/8	8	13,9	22,5	15,5	11	14	5
7610 8-1/4	8	13,9	24,5	18,5	15,5	18,5	7
7610 10-1/4	10	16,1	27	18,5	15,5	18,5	7
7610 10-3/8	10	20,2	29	22	18	22	11
7610 12-3/8	12	20,2	29	22	18	22	12

Fittings Mod. 7640 assembled with Mod. 7632 02, 7632 03

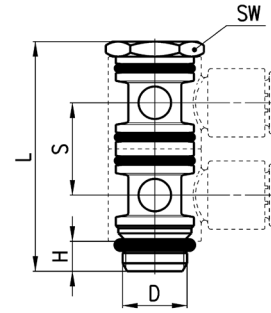
Double Banjo



DIMENSIONS									
Mod.	A	F	G	L	M	N	V	W	Weight (g)
7640 4-1/8	4	22,3	11,6	15,5	10,7	21	11	14	6
7640 6-1/8	6	22,3	11,6	15,5	10,7	21	11	14	7
7640 6-1/4	6	26,6	13,9	18,5	12,7	24,5	15,5	18,5	9
7640 8-1/8	8	26,6	13,9	15,5	12,7	22	11	14	10
7640 8-1/4	8	26,6	13,9	18,5	12,7	24,5	15,5	18,5	10
7640 10-1/4	10	31	16	18,5	15	26,5	15,5	18,5	13

Fittings Mod. 7632 02 assembled with Mod. 7610, 7640

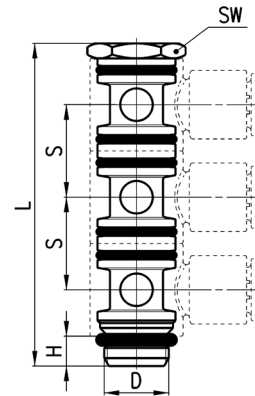
Double Banjo Stem



DIMENSIONS						
Mod.	D	H	L	S	SW	Weight (g)
7632 02-1/8	G1/8	5	38,5	15,5	13	14
7632 02-1/4	G1/4	6	46	18,5	17	29
7632 02-3/8	G3/8	7	54	22	20	45

Fittings Mod. 7632 03 assembled with Mod. 7610, 7640

Triple Banjo Stem

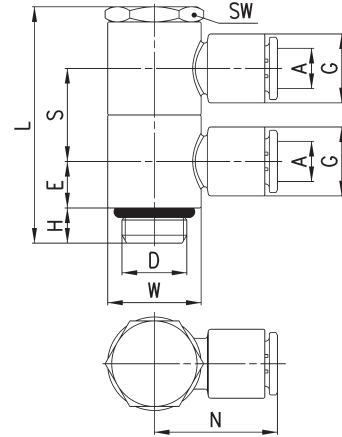


DIMENSIONS						
Mod.	D	H	L	S	SW	Weight (g)
7632 03-1/8	G1/8	5	54	15,5	13	18
7632 03-1/4	G1/4	6	64,5	18,5	17	39

Fittings Mod. 7612 02



Complete BSP Double Adjustable
Single Banjo

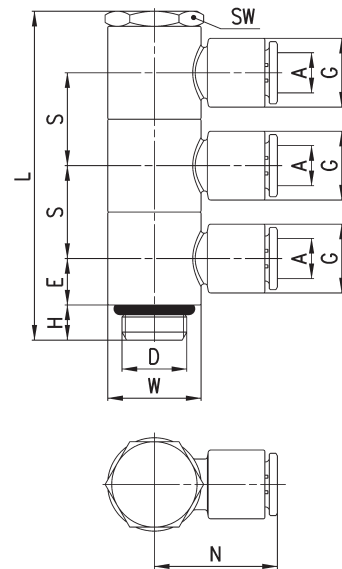


DIMENSIONS											
Mod.	A	D	E	G	H	L	N	S	W	SW	Weight (g)
7612 02-4-1/8	4	G1/8	7,75	11,6	5	38,5	21	15,5	14	13	21
7612 02-6-1/8	6	G1/8	7,75	11,6	5	38,5	21	15,5	14	13	21
7612 02-6-1/4	6	G1/4	9,25	13,9	6	46	24,5	18,5	18,5	17	40
7612 02-8-1/8	8	G1/8	7,75	13,9	5	38,5	22,5	15,5	14	13	24
7612 02-8-1/4	8	G1/4	9,25	13,9	6	46	24,5	18,5	18,5	17	42
7612 02-10-1/4	10	G1/4	9,25	16,1	6	46	27	18,5	18,5	17	44
7612 02-10-3/8	10	G3/8	11	20,2	7	54	29	22	22	20	67
7612 02-12-3/8	12	G3/8	11	20,2	7	54	29	22	22	20	69

Fittings Mod. 7612 03



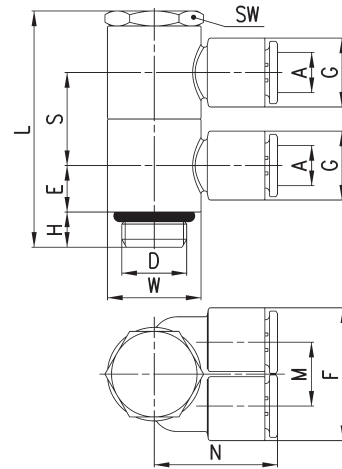
Complete BSP Triple Adjustable
Single Banjo



DIMENSIONS											
Mod.	A	D	E	G	H	L	N	S	W	SW	Weight (g)
7612 03-4-1/8	4	G1/8	7,75	11,6	5	54	21	15,5	14	13	29
7612 03-6-1/8	6	G1/8	7,75	11,6	5	54	21	15,5	14	13	30
7612 03-6-1/4	6	G1/4	9,25	13,9	6	64,5	24,5	18,5	18,5	17	55
7612 03-8-1/8	8	G1/8	7,75	13,9	5	54	22,5	15,5	14	13	34
7612 03-8-1/4	8	G1/4	9,25	13,9	6	64,5	24,5	18,5	18,5	17	57
7612 03-10-1/4	10	G1/4	9,25	16,1	6	64,5	27	18,5	18,5	17	62

Fittings Mod. 7642 02

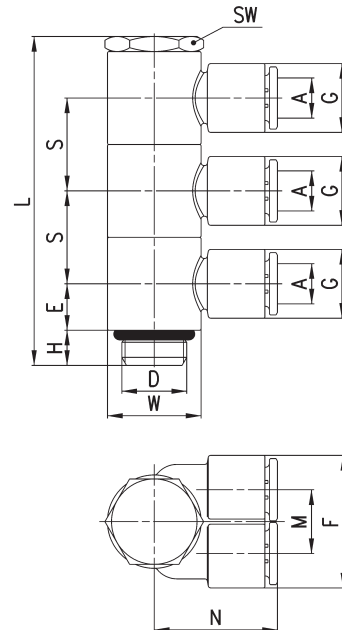
Complete BSP Double Adjustable
Double Banjo



DIMENSIONS													
Mod.	A	D	E	F	G	H	L	M	N	S	W	SW	Weight (g)
7642 02-4-1/8	4	G1/8	7,75	22,3	11,6	5	38,5	10,7	21	15,5	14	13	26
7642 02-6-1/8	6	G1/8	7,75	22,3	11,6	5	38,5	10,7	21	15,5	14	13	28
7642 02-6-1/4	6	G1/4	9,25	26,6	13,9	6	46	12,7	24,5	18,5	18,5	17	48
7642 02-8-1/8	8	G1/8	7,75	26,6	13,9	5	38,5	12,7	22	15,5	14	13	33
7642 02-8-1/4	8	G1/4	9,25	26,6	13,9	6	46	12,7	24,5	18,5	18,5	17	50
7642 02-10-1/4	10	G1/4	9,25	31	16	6	46	15	26,5	18,5	18,5	17	56

Fittings Mod. 7642 03

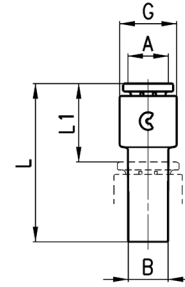
Complete BSP Triple Adjustable
Double Banjo



DIMENSIONS													
Mod.	A	D	E	F	G	H	L	M	N	S	W	SW	Weight (g)
7642 03-4-1/8	4	G1/8	7,75	22,3	11,6	5	54	10,7	21	15,5	14	13	37
7642 03-6-1/8	6	G1/8	7,75	22,3	11,6	5	54	10,7	21	15,5	14	13	39
7642 03-6-1/4	6	G1/4	9,25	26,6	13,9	6	64,5	12,7	24,5	18,5	18,5	17	67
7642 03-8-1/8	8	G1/8	7,75	26,6	13,9	5	54	12,7	22,5	15,5	14	13	47
7642 03-8-1/4	8	G1/4	9,25	26,6	13,9	6	64,5	12,7	24,5	18,5	18,5	17	71
7642 03-10-1/4	10	G1/4	9,25	31	16,1	6	64,5	15	27	18,5	18,5	17	79

Fittings Mod. 7800

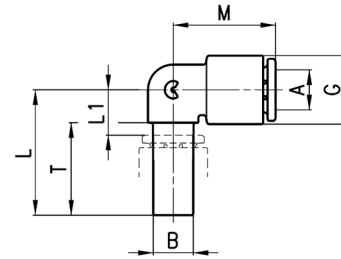
Reducer Junction



DIMENSIONS						
Mod.	A	B	G	L1	L	Weight (g)
7800 4-6	4	6	9,4	14,5	29,5	2
7800 4-8	4	8	9,4	14,5	30,5	3
7800 6-8	6	8	11,6	15,5	31,5	4
7800 6-10	6	10	11,6	15,5	34	4
7800 6-12	6	12	11,6	16,5	35,5	4
7800 8-10	8	10	13,9	16,5	35	5
7800 8-12	8	12	13,9	17,5	37	6
7800 10-12	10	12	16,1	18,5	37,5	7
7800 10-14	10	14	16,1	22,5	39	7

Fittings Mod. 7555

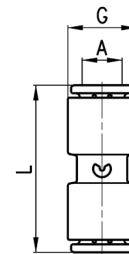
Junction Elbow



DIMENSIONS								
Mod.	A	B	G	L	L1	M	T	Weight (g)
7555 4-4	4	4	9,4	21	7	16,5	16,5	2
7555 6-6	6	6	11,6	23	8	18,5	17,5	4
7555 8-8	8	8	13,9	25	9	20,5	18,5	5
7555 10-10	10	10	16,1	28,5	10	24	21	8
7555 12-12	12	12	20,2	32	13	28	23	12

Fittings Mod. 7580

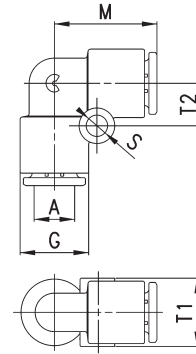
Union Connector



DIMENSIONS				
Mod.	A	G	L	Weight (g)
7580 4	4	9,4	29	4
7580 6	6	11,6	31	6
7580 8	8	13,9	33,5	9
7580 10	10	16,1	38,5	11
7580 12	12	20,2	39,5	18

Fittings Mod. 7550

Elbow Connector

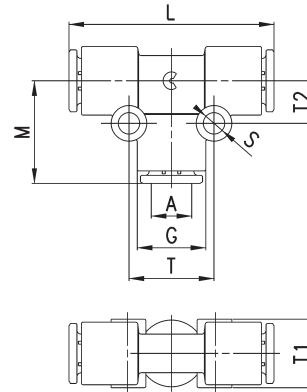


DIMENSIONS							
Mod.	A	G	M	S	T1	T2	Weight (g)
7550 4	4	9,4	16,5	4	9,2	6,5	4
7550 6	6	11,6	18,5	4	11,4	7,5	6
7550 8	8	13,9	20,5	4	13,7	8,5	9
7550 10	10	16,1	24	4	15,8	8	12
7550 12	12	20,2	28	4	9	9,6	20
7550 16	16	27	33,5	-	-	-	42 *

* = model without mounting holes

Fittings Mod. 7540

Tee Connector

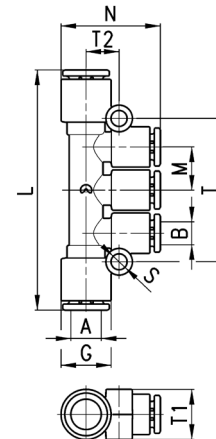


DIMENSIONS									
Mod.	A	G	L	M	S	T	T1	T2	Weight (g)
7540 4	4	9,2	33	16,5	4	13	9,2	6,5	6
7540 6	6	11,6	37	18,5	4	15	11,4	7,5	9
7540 8	8	13,9	41	20,5	4	17	13,7	8,5	14
7540 10	10	16,1	48	24	4	16	15,8	8	18
7540 12	12	20,2	56	28	4	19,2	9	9,6	30
7540 16	16	27	67	33,5	-	-	-	-	61 *

* = model without mounting holes

Fittings Mod. 7545

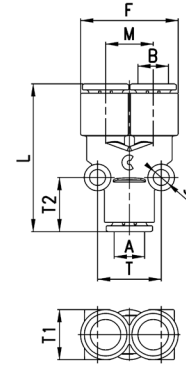
Multi Tee Reducer



DIMENSIONS											
Mod.	A	B	G	L	M	N	S	T	T1	T2	Weight (g)
7545 6-4	6	4	11,6	55,5	9,6	23,5	4	32,5	11	7,5	12
7545 8-6	8	6	13,9	64	11,5	26,5	4	38,2	13,5	9	18
7545 10-8	10	8	16,1	78,5	14,1	30	4	45,8	16	10,5	27

Fittings Mod. 7560

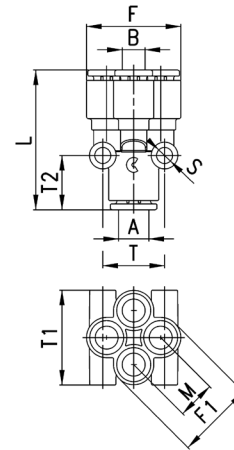
Y Connector - Reducer



DIMENSIONS										
Mod.	A	B	F	L	M	S	T	T1	T2	Weight (g)
7560 4	4	4	18,2	33	9	4	10,8	9,5	13	6
7560 6	6	6	23	35	11,4	4	14,5	11,5	13,5	9
7560 8	8	8	27,2	39,5	13,5	4	17	14	14,5	15
7560 10	10	10	31,7	46	15,8	4	16,5	16	16,5	19
7560 6-4	6	4	18,5	33,5	9	4	12,2	11,6	14,5	7
7560 8-6	8	6	23	36	11,4	4	14,5	14	15,5	11
7560 10-8	10	8	26,2	40	12,7	4	16,5	15,5	16	16

Fittings Mod. 7575

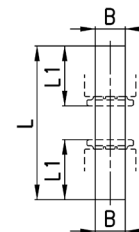
Reduced Double Y



DIMENSIONS											
Mod.	A	B	F	F1	L	M	S	T	T1	T2	Weight (g)
7575 6-4	6	4	20,5	17	33,5	8,3	4	14,5	20,5	13,5	12
7575 8-6	8	6	25	21	37	10,2	4	16,5	25	14,5	17

Fittings Mod. 7950

Plastic Junction

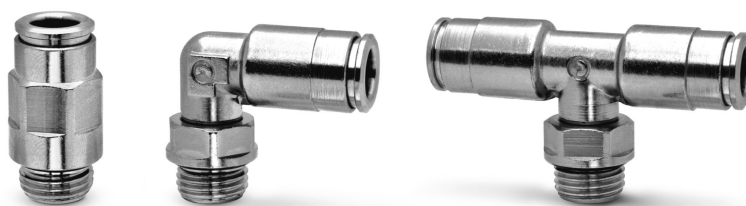


DIMENSIONS				
Mod.	B	L	L1	Weight (g)
7950 4	4	37	14	1
7950 6	6	39	15	1
7950 8	8	41	16	1
7950 10	10	44	18,5	1
7950 12	12	49	19	1

Series 8000 brass dual seal super-rapid fittings

Tube external diameters: 4, 6, 8, 10 and 12 mm

Fittings threads: BSP (G1/8, G1/4, G3/8, G1/2)



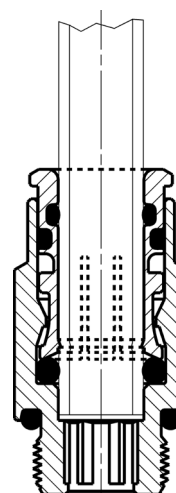
With its vast experience in manufacturing push-in connections for the pneumatics industry and its indepth research into fluid power systems, Camozzi has developed Series 8000 super-rapid fitting evolving from Series 6000, which has been extensively tested in the pneumatic sector.

A patented additional seal provides a double tight on the tube, thus ensuring a highly reliable connection and avoiding any possible leakage that may occur. Connection and disconnection of the tube can be repeated several times without the use of proper tools and without compromising the performance of the fitting or the sealing on the tube. The NBR seals are standard and can be easily replaced with FKM and EDM seals.

GENERAL DATA

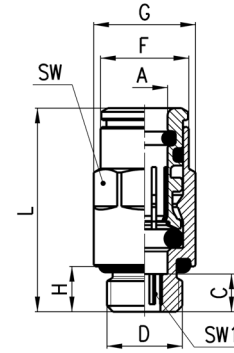
Diameters	ø 4, 6, 8, 10, 12 mm
Threads	Gas cylindrical ISO-228 (BSP)
Temperature	-20°C ÷ 80°C
Tube to connect	Polyamide (PA) 6 - 11 - 12, Polyurethane (PU), Polyethylene (PE), hytrel Polyester, PTFE and metal tubing (properly shaped)
Medium	All fluids compatible with the fitting materials requiring a leak-tight seal, e.g. water. For other fluids, please contact our technicians.
Materials	body and gripper: nickel-plated brass seals: NBR
Working pressure	-0.9 ÷ 60 bar The Series 8000 fittings can withstand a maximum pressure of 60 bar. However, the tube used might affect or limit the operating pressure considerably.

Fitting with connecting tube



Fittings Mod. 8512

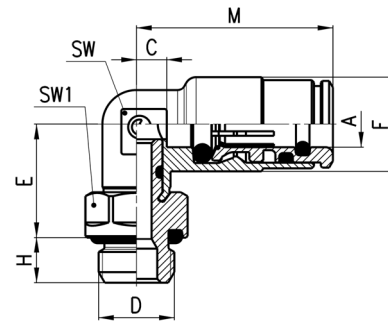
BSP Male Connector



DIMENSIONS										
Mod.	A	D	C	F	G	H	L	SW	SW1	Weight (g)
8512 4-1/8	4	G1/8	5	8.8	13.5	6	23.8	12	2.5	14
8512 6-1/8	6	G1/8	5	11.7	13.5	6	27	12	4	15
8512 6-1/4	6	G1/4	6	11.7	16.4	7	28	15	4	25
8512 8-1/8	8	G1/8	8.5	13.7	15.2	6	32.5	14	5	20
8512 8-1/4	8	G1/4	7	13.7	16.4	7	31	15	6	24
8512 10-1/4	10	G1/4	10	16.3	18.5	7	36.5	17	7	32
8512 10-3/8	10	G3/8	4.5	16.3	20.5	7	31	19	8	38
8512 12-3/8	12	G3/8	4.6	18.4	20.5	7	30.5	19	9	30
8512 12-1/2	12	G1/2	5.6	18.4	24.8	8	31.5	22	9	50

Fittings Mod. 8522

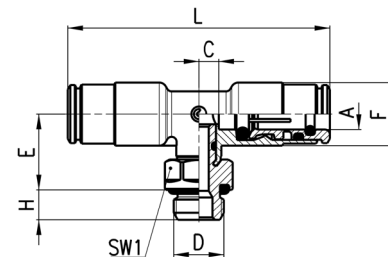
BSP Swivel Male Elbow



DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight (g)
8522 4-1/8	4	G1/8	3	14.5	10	6	21.5	9	12	18
8522 6-1/8	6	G1/8	4	15	12.5	6	26	10	12	23
8522 6-1/4	6	G1/4	4	16	12.5	7	26	10	15	30
8522 8-1/8	8	G1/8	5	16	14.5	6	29	12	12	28
8522 8-1/4	8	G1/4	5	17	14.5	7	29	12	15	34
8522 10-1/4	10	G1/4	5	19.5	16.8	7	31.5	13	15	40
8522 10-3/8	10	G3/8	5	19.5	16.8	7	31.5	13	19	50
8522 12-3/8	12	G3/8	7	20.5	19	7	33	15	19	55
8522 12-1/2	12	G1/2	7	21.5	19	8	33	15	22	68

Fittings Mod. 8432

BSP Swivel Male Tee

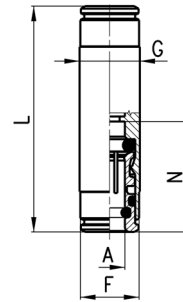


DIMENSIONS										
Mod.	A	D	C	E	F	H	L	SW1	Weight (g)	
8432 4-1/8	4	G1/8	3	14,5	10	6	43	12	25	
8432 6-1/8	6	G1/8	4	15	12,5	6	52	12	33	
8432 8-1/8	8	G1/8	5	16	14,5	6	58	12	42	
8432 8-1/4	8	G1/4	5	17	14,5	7	58	15	49	

Fittings Mod. 8580



Union Connector

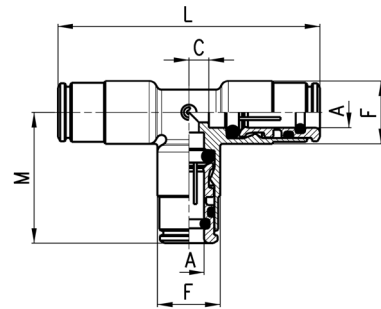


DIMENSIONS						
Mod.	A	F	G	L	N	Weight (g)
8580 4	4	8,8	10	38	19	16
8580 6	6	11,7	12	45	22	23
8580 8	8	-	14	48	24	30

Fittings Mod. 8540



Tee Connector

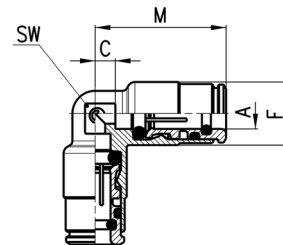


DIMENSIONS						
Mod.	A	C	F	M	L	Weight (g)
8540 4	4	3	10	21,5	43	22
8540 6	6	4	12,5	26	52	35
8540 8	8	5	14,5	29	58	49

Fittings Mod. 8550



Elbow Connector



DIMENSIONS						
Mod.	A	C	F	M	SW	Weight (g)
8550 4	4	3	10	21,5	9	15
8550 6	6	4	12,5	26	10	25
8550 8	8	5	14,5	29	12	34

New

Series H8000 nickel-plated dual seal super-rapid fittings

Tube external diameters: 4, 6, 8, 10, 12 mm
Fittings threads: BSP (G1/8, G1/4, G3/8, G1/2)

SERIES H8000 NICKEL-PLATED SUPER-RAPID FITTINGS



Series H8000 fittings are designed to be used in particularly dirty and dusty working environments. The patented system with double tightening on the tube guarantees a highly reliable connection and avoids any risk of leakage.

The special shape of the collar prevents the entry of impurities inside the fitting, guaranteeing performance over time, retention of the tube and easy connection and release.

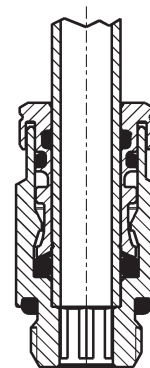
Series H8000 fittings have a brass body, FKM seals for high temperatures (EPDM and NBR seals are also available) and can be used with pressures between -0.9 and 60 bar.

- » Protection against dust and debris
- » Silicone free
- » Suitable for vacuum
- » Also suitable for metal tubes

GENERAL DATA

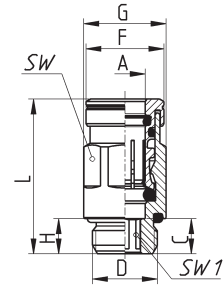
Diameters	ø 4, 6, 8, 10, 12 mm
Threads	Gas cylindrical ISO-228 (BSP)
Temperature	With FKM seals (standard): -15°C ÷ 200°C (dry air) With EPDM (upon request): -40°C ÷ 110°C With NBR seals (upon request): -20°C ÷ 80°C
Tube to connect	Polyamide (PA) 6 - 11 - 12, Polyurethane (PU), Polyethylene (PE), hytel Polyester, PTFE and metal tubing (properly shaped)
Medium	All fluids compatible with the fitting materials requiring a leak-tight seal, e.g. water. For other fluids, please contact our technicians.
Materials	body: nickel-plated brass Gripper: nickel-plated brass Seals: FKM (EPDM and NBR upon request)
Working pressure	-0.9 bar ÷ 60 bar The Series H8000 fittings can withstand a maximum pressure of 60 bar. However, the tube used might affect or limit the operating pressure considerably.

Fitting with connecting tube



Fittings Mod. H8512

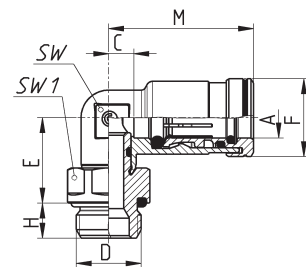
BSP Male Connector



DIMENSIONS										
Mod.	A	D	C	F	G	H	L	SW	SW1	Weight (g)
H8512 4-1/8-V	4	G1/8	5	10.5	13.5	6	23.5	12	2.5	17
H8512 6-1/8-V	6	G1/8	5	13.5	13.5	6	27	12	4	18
H8512 6-1/4-V	6	G1/4	6	13.5	16.4	7	28	15	4	27.5
H8512 8-1/8-V	8	G1/8	8.5	15.5	16.4	6	32	15	6	23
H8512 8-1/4-V	8	G1/4	7	15.5	16.4	7	31	15	6	27
H8512 8-3/8-V	8	G3/8	5	15.5	20.5	7	29	15	6	42
H8512 10-1/8-V	10	G1/8	8.5	18	18.5	7	35	17	5	33.5
H8512 10-1/4-V	10	G1/4	10	18	18.5	7	36.5	17	7	35.5
H8512 10-3/8-V	10	G3/8	4.5	18	20.5	7	31	19	8	42
H8512 10-1/2-V	10	G1/2	4.5	18	24.8	8	31	22	8	63
H8512 12-1/4-V	12	G1/4	10.1	20	20.5	7	37	19	7	38.5
H8512 12-3/8-V	12	G3/8	4.6	20	20.5	7	32	19	9	35
H8512 12-1/2-V	12	G1/2	5.6	20	24.8	8	33	22	9	56

Fittings Mod. H8522

BSP Swivel Male Elbow

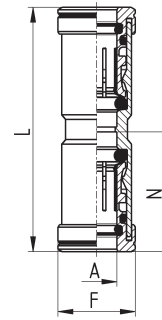


DIMENSIONS										
Mod.	A	D	C	E	F	H	M	SW	SW1	Weight (g)
H8522 4-1/8-V	4	G1/8	3	14.5	10.5	6	22	9	12	19.5
H8522 6-1/8-V	6	G1/8	4	15	13.5	6	26	10	12	25
H8522 6-1/4-V	6	G1/4	4	16	13.5	7	26	10	15	31.5
H8522 8-1/8-V	8	G1/8	5	16	15.5	6	29	12	12	30
H8522 8-1/4-V	8	G1/4	5	17	15.5	7	29	12	15	37.5
H8522 8-3/8-V	8	G3/8	5	17	15.5	7	29	12	19	47
H8522 10-1/8-V	10	G1/8	6	19.5	18	7	32.5	13	14	40
H8522 10-1/4-V	10	G1/4	5	19.5	18	7	32.5	13	15	44
H8522 10-3/8-V	10	G3/8	5	19.5	18	7	32.5	13	19	55
H8522 10-1/2-V	10	G1/2	6	19.5	18	8	32.5	13	22	66
H8522 12-1/4-V	12	G1/4	7	20.5	20	7	34	15	17	55
H8522 12-3/8-V	12	G3/8	7	20.5	20	7	34	15	19	60
H8522 12-1/2-V	12	G1/2	7	21.5	20	8	34	15	22	71

Fittings Mod. H8580



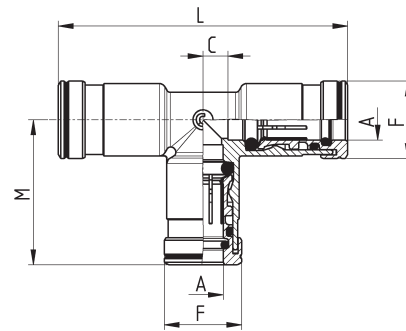
Union Connector



DIMENSIONS					
Mod.	A	F	N	L	Weight (g)
H8580 4-V	4	10.5	19	38	18.5
H8580 6-V	6	13.5	22	45	26.5
H8580 8-V	8	15.5	24	49	35
H8580 10-V	10	18	26.5	54	49.5
H8580 12-V	12	20	27	55	58

Fittings Mod. H8540

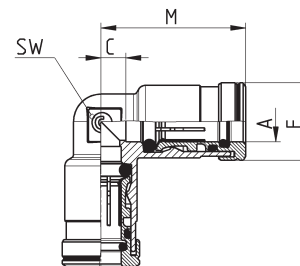
Tee Connector



DIMENSIONS						
Mod.	A	C	F	M	L	Weight (g)
H8540 4-V	4	3	10.5	22	44	28
H8540 6-V	6	4	13.5	26	52	43
H8540 8-V	8	5	15.5	29	58	55
H8540 10-V	10	6	18	32.5	64	78
H8540 12-V	12	7	20	34	67	90

Fittings Mod. H8550

Elbow Connector

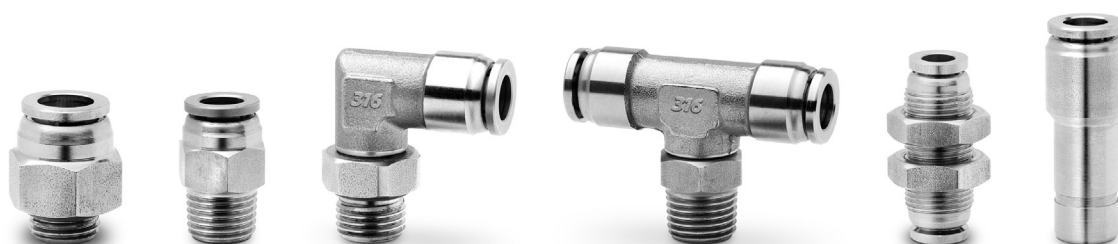


DIMENSIONS						
Mod.	A	C	F	M	SW	Weight (g)
H8550 4-V	4	3	10.5	22	9	20
H8550 6-V	6	4	13.5	26	10	30
H8550 8-V	8	5	15.5	29	12	40
H8550 10-V	10	6	18	32.5	-	54
H8550 12-V	12	7	20	34	-	64

Series X6000 super-rapid fittings in stainless steel 316L

Tube external diameters: 4, 6, 8, 10, 12 mm

Fittings threads: BSP (G1/8, G1/4, G3/8, G1/2), BSPT (R1/8, R1/4, R3/8, R1/2)



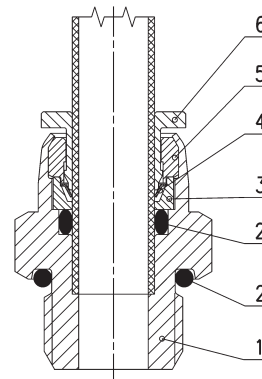
Series X6000 fittings have been designed to offer versatility and ease of installation without any compromise in quality or performance. They are suitable for applications in the pneumatics, fluids, chemical, medical, food and packaging industries.

Series X6000 fittings are practical and safe and allow the connection of fluids even in aggressive environments. The collet ensures excellent grip between the fitting and tubing.

GENERAL DATA

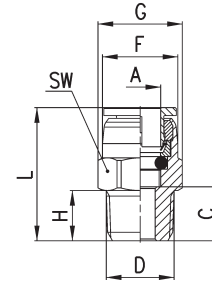
Diameters	ø 4 - 6 - 8 - 10 - 12 mm	
Threads	GAS conical ISO 7 (BSPT) GAS cylindrical ISO 228 (BSP)	
Temperature	-15°C ÷ 150°C NOTE: for a better use of the fitting we recommend to check the tubing specifications.	
Tube to connect	Polyamide (PA) 6 - 11 - 10.12 - 12, Polyurethane (PU), Polyethylene (PE), PTFE	
Medium	compressed air and drinking water. For other fluids, please contact our technicians.	
Materials	1 = Body 2 = Seals 3 = Supporting ring 4 = Clamping gripper 5 = Locking bushing 6 = Release bushing	Stainless steel 316L FKM Alimentary Stainless steel 316L Stainless steel 301 Stainless steel 316L Stainless steel 316L
Working pressure	max 18 bar (see tubing)	

Fitting with connecting tube



Fittings Mod. X6510

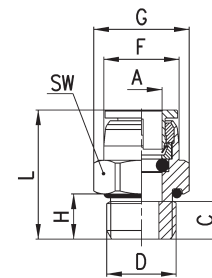
BSPT Male Connector



DIMENSIONS										
Mod.	A	C	D	F	G	H	L	SW	Weight (g)	Package
X6510 4-1/8	4	8	R1/8	9.7	-	8	20.5	10	9	10
X6510 4-1/4	4	10	R1/4	9.7	-	10	22.5	14	15	10
X6510 6-1/8	6	8	R1/8	11.6	13.4	8	21.5	12	10	10
X6510 6-1/4	6	10	R1/4	11.6	15.2	10	23.5	14	17	10
X6510 8-1/8	8	8.5	R1/8	14.7	17	8	24.6	15	16	10
X6510 8-1/4	8	10	R1/4	14.7	17	10	26.1	15	20	10
X6510 10-1/4	10	11	R1/4	17.4	20.8	10	28.2	19	28	10
X6510 10-3/8	10	12	R3/8	17.4	20.8	11	29.2	19	35	10
X6510 10-1/2	10	14	R1/2	17.4	24.6	13	31.2	22	55	10
X6510 12-1/4	12	12	R1/4	20	-	10	31	22	42	10
X6510 12-3/8	12	12.5	R3/8	20	-	11	31.5	22	44	10
X6510 12-1/2	12	14.5	R1/2	20	-	13	33.5	22	59	10

Fittings Mod. X6512

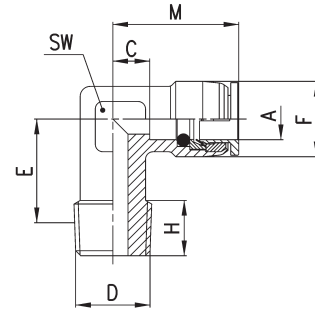
BSP Male Connector



DIMENSIONS										
Mod.	A	C	D	F	G	H	L	SW	Weight (g)	Package
X6512 4-1/8	4	5.7	G1/8	9.7	-	5.7	18.2	14	11	10
X6512 4-1/4	4	6.4	G1/4	9.7	-	6	18.9	17	18	10
X6512 6-1/8	6	6.7	G1/8	11.6	15	5.7	20.2	14	12	10
X6512 6-1/4	6	6.5	G1/4	11.6	-	6	20	17	19	10
X6512 8-1/8	8	8.7	G1/8	14.7	-	5.7	24.8	15	18	10
X6512 8-1/4	8	6	G1/4	14.7	-	6	22.1	17	21	10
X6512 10-1/4	10	8.5	G1/4	17.4	-	6	25.7	19	28	10
X6512 10-3/8	10	6.5	G3/8	17.4	-	6.5	23.7	22	29	10
X6512 10-1/2	10	11.5	G1/2	17.4	30	9.5	28.7	27	60	10
X6512 12-1/4	12	8.5	G1/4	20	-	6	27.5	22	40	10
X6512 12-3/8	12	9	G3/8	20	-	6.5	28	22	42	10
X6512 12-1/2	12	12.5	G1/2	20	30	9.5	31.5	27	71	10

Fittings Mod. X6500

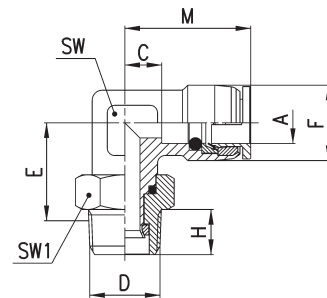
BSPT Fix Elbow



DIMENSIONS										
Mod.	A	C	D	E	F	H	M	SW	Weight (g)	Package
X6500 4-1/8	4	7.8	R1/8	12.5	11	8	20.3	12	22	10
X6500 6-1/8	6	8.8	R1/8	12.5	11.9	8	22.3	12	20	10
X6500 6-1/4	6	8.8	R1/4	12	11.9	9	22.3	12	24	10
X6500 8-1/8	8	8.4	R1/8	15	15	8	24.5	12	26	10
X6500 8-1/4	8	8.4	R1/4	14	15	10	24.5	12	25	10
X6500 10-1/4	10	8.7	R1/4	15	17.4	10	25.9	14	36	10
X6500 10-3/8	10	8.7	R3/8	15	17.4	10.8	25.9	14	41	10
X6500 12-1/4	12	9.5	R1/4	16	20	10	28.5	17	49	10
X6500 12-3/8	12	9.5	R3/8	16	20	12	28.5	17	55	10

Fittings Mod. X6520

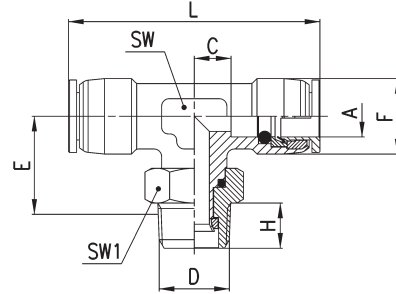
BSPT Swivel Elbow



DIMENSIONS											
Mod.	A	C	D	E	F	H	M	SW	SW1	Weight (g)	Package
X6520 4-1/8	4	4.3	R1/8	15.3	10	8	16.8	12	12	20	10
X6520 4-1/4	4	4.3	R1/4	15.8	10	10	16.8	12	15	24	10
X6520 6-1/8	6	8.8	R1/8	15.3	11.9	8	22.3	12	12	24	10
X6520 6-1/4	6	5.8	R1/4	19.8	13	10	19.3	14	15	33	10
X6520 8-1/8	8	9.4	R1/8	19.5	15	8	25.5	14	12	41	10
X6520 8-1/4	8	9.4	R1/4	19.8	15	10	25.5	14	15	44	10
X6520 10-1/4	10	10.7	R1/4	20.6	17.4	10	27.9	17	15	57	10
X6520 10-3/8	10	10.7	R3/8	20.9	17.4	11	27.9	17	19	65	10
X6520 12-1/4	12	9.5	R1/4	21.1	20	10	28.5	17	15	55	10
X6520 12-3/8	12	9.5	R3/8	20.9	20	11	28.5	17	19	65	10
X6520 12-1/2	12	9.5	R1/2	19.4	20	13	28.5	17	22	80	10

Fittings Mod. X6430

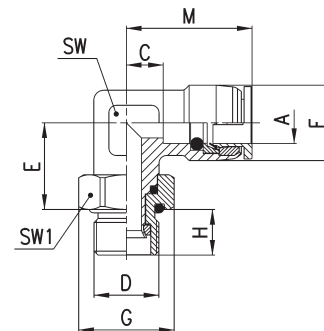
BSPT Swivel Centre Tee



DIMENSIONS											
Mod.	A	C	D	E	F	H	L	SW	SW1	Weight (g)	Package
X6430 4-1/8	4	4.3	R1/8	15.3	10	8	33.6	12	12	33	10
X6430 4-1/4	4	4.3	R1/4	15.8	10	10	33.6	12	15	41	10
X6430 6-1/8	6	8.8	R1/8	16.1	11.9	8	44.6	12	12	33	10
X6430 6-1/4	6	5.8	R1/4	18.6	13	10	38.6	14	15	45	10
X6430 8-1/8	8	8.3	R1/8	17.3	15	8	48.8	14	12	46	10
X6430 8-1/4	8	8.3	R1/4	18.5	15	10	48.8	14	15	54	10
X6430 10-1/4	10	10.7	R1/4	21.1	17.4	10	55.8	17	15	77	10
X6430 10-3/8	10	10.7	R3/8	20.9	17.4	11	55.8	17	19	84	10
X6430 12-1/4	12	9.5	R1/4	21.1	20	10	57	17	15	79	10
X6430 12-3/8	12	9.5	R3/8	20.9	20	11	57	17	19	87	10
X6430 12-1/2	12	15.6	R1/2	19.4	20	13	57	17	22	100	10

Fittings Mod. X6522

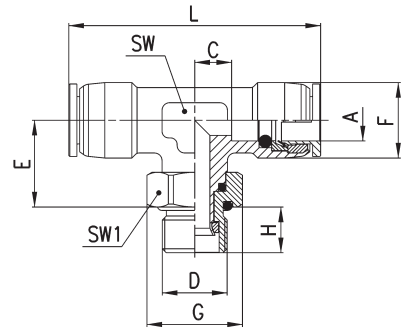
BSP Swivel Elbow



DIMENSIONS												
Mod.	A	C	D	E	F	G	H	M	SW	SW1	Weight (g)	Package
X6522 4-1/8	4	4.3	G1/8	15.3	10	15	6.5	16.8	12	14	22	10
X6522 4-1/4	4	4.3	G1/4	15.7	10	18.5	9	16.8	12	17	25	10
X6522 6-1/8	6	8.8	G1/8	15.3	11.9	15	6.5	22.3	12	14	26	10
X6522 6-1/4	6	5.8	G1/4	18.7	13	18.5	9	19.3	14	17	40	10
X6522 8-1/8	8	9.4	G1/8	19.5	15	15	6.5	25.5	14	14	43	10
X6522 8-1/4	8	9.4	G1/4	18.7	15	18.5	9	25.5	14	17	46	10
X6522 10-1/4	10	10.7	G1/4	19.5	17.4	18.5	9	27.9	17	17	59	10
X6522 10-3/8	10	10.7	G3/8	20.4	17.4	24	9	27.9	17	22	72	10
X6522 12-1/4	12	9.5	G1/4	20	20	18.5	9	28.5	17	17	63	10
X6522 12-3/8	12	9.5	G3/8	20.4	20	24	9	28.5	17	22	73	10
X6522 12-1/2	12	9.5	G1/2	20.4	20	30	9.5	28.5	17	27	83	10

Fittings Mod. X6432

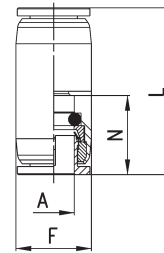
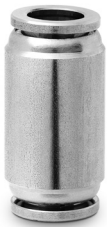
BSP Swivel Centre Tee



DIMENSIONS												
Mod.	A	C	D	E	F	G	H	L	SW	SW1	Weight (g)	Package
X6432 4-1/8	4	4.3	G1/8	15.3	10	15	6.5	33.6	12	14	33	10
X6432 4-1/4	4	4.3	G1/4	15.7	10	18.5	9	33.6	12	17	46	10
X6432 6-1/8	6	8.8	G1/8	16.1	11.9	15	6.5	44.6	12	14	35	10
X6432 6-1/4	6	5.8	G1/4	17.5	13	18.5	9	38.6	14	17	47	10
X6432 8-1/8	8	8.3	G1/8	17.3	15	15	6.5	48.8	14	14	52	10
X6432 8-1/4	8	8.3	G1/4	17.4	15	18.5	9	48.8	14	17	57	10
X6432 10-1/4	10	10.7	G1/4	20	17.4	18.5	9	55.8	17	17	79	10
X6432 10-3/8	10	10.7	G3/8	20.4	17.4	24	9	55.8	17	22	91	10
X6432 12-1/4	12	9.5	G1/4	20	20	18.5	9	57	17	17	82	10
X6432 12-3/8	12	9.5	G3/8	20.4	20	24	9	57	17	22	94	10
X6432 12-1/2	12	9.5	G1/2	20.4	20	30	9.5	57	17	27	115	10

Fittings Mod. X6580

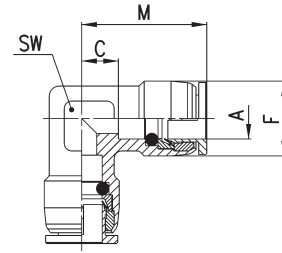
Union Connector



DIMENSIONS						
Mod.	A	F	L	N	Weight (g)	Package
X6580 4	4	10	26.5	12.5	10	10
X6580 6	6	12	28.4	13.5	15	10
X6580 8	8	15	33.7	16.1	26	10
X6580 10	10	18	36.4	17.2	39	10
X6580 12	12	20	41	19	54	10

Fittings Mod. X6550

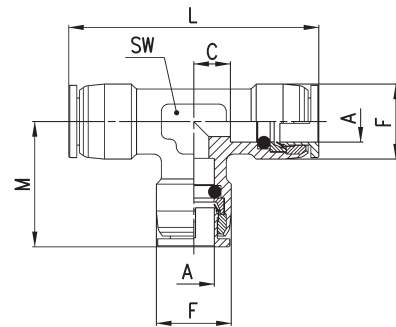
Elbow Connector



DIMENSIONS							
Mod.	A	C	F	M	SW	Weight (g)	Package
X6550 4	4	7.8	11	20.3	12	22	10
X6550 6	6	8.8	11.9	22.3	12	23	10
X6550 8	8	8.4	15	24.5	12	28	10
X6550 10	10	8.7	17.4	25.9	14	42	10
X6550 12	12	9.5	20	28.5	17	58	10

Fittings Mod. X6540

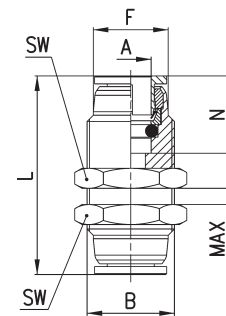
Tee Connector



DIMENSIONS								
Mod.	A	C	F	L	M	SW	Weight (g)	Package
X6540 4	4	8.8	11	42.6	21.3	12	32	10
X6540 6	6	8.8	11.9	44.6	22.3	12	33	10
X6540 8	8	8.4	15	49	24.5	12	44	10
X6540 10	10	8.7	17.4	51.8	25.9	14	54	10
X6540 12	12	9.5	20	57	28.5	17	80	10

Fittings Mod. X6590

Bulkhead Union Connector

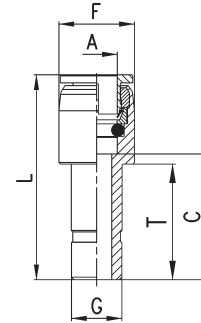


DIMENSIONS									
Mod.	A	B	F	L	N	MAX	SW	Weight (g)	Package
X6590 4	4	M11X1	9.7	29	12.5	6	14	17	10
X6590 6	6	M13X1	11.6	34	13.5	9	17	29	10
X6590 8	8	M16X1	14.7	37.2	16.1	9	19	40	10
X6590 10	10	M19X1	17.4	43.4	17.2	11	22	62	10
X6590 12	12	M22X1	20	50	19	15	27	103	10

Fittings Mod. X6800



Reducer Tube/Stem



DIMENSIONS								
Mod.	A	C	F	G	L	T	Weight (g)	Package
X6800 4-6	4	16.8	10	6	29.3	15.3	7	10
X6800 4-8	4	19.8	10	8	32.3	17.8	10	10
X6800 6-8	6	19.8	12	8	33.5	17.8	11	10
X6800 6-10	6	22.6	12	10	36	21.6	12	10
X6800 6-12	6	23	12	12	36.5	-	19	10
X6800 8-10	8	22.5	15	10	38.6	20	14	10
X6800 8-12	8	24.5	15	12	40.6	23	21	10
X6800 10-12	10	26	18	12	43.2	23	27	10

SERIES X6000 SUPER-RAPID FITTINGS IN STAINLESS STEEL 316L

Series 1000 brass rapid push-in fittings for plastic tubes

Tube external diameters: 5/3, 6/4, 8/6, 10/8, 12/10, 15/12,5 mm
 Fittings threads: metric (M5, M6, M12x1, M12x1,25),
 BSP (G1/8, G1/4, G3/8, G1/2), BSPT (R1/8, R1/4, R3/8, R1/2)

SERIES 1000 BRASS RAPID FITTINGS

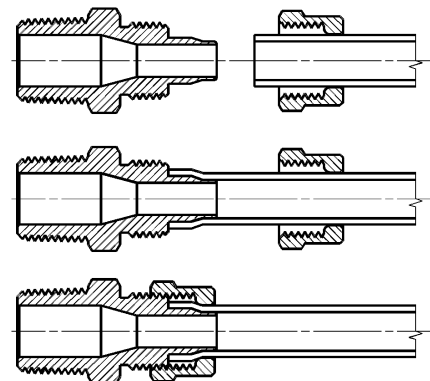


Series 1000 rapid push-in fittings can be easily installed.
 The push-in locking nuts can be tightened both manually and with a spanner even in case of stiff tubes like the PA or the Hytrel Polyester.
 The special shape of the guiding cone ensures that the tube cannot be accidentally cut.

GENERAL DATA

Diameters	5/3 - 6/4 - 8/6 - 10/8 - 12/10 - 15/12,5 mm
Threads	GAS conical ISO 7 (BSPT) GAS cylindrical ISO 228 (BSP) M5 - M6 NPT and metric (available on request)
Temperature	-20°C ÷ 80°C NOTE: for a better use of the fitting we recommend to check the tubing specifications.
Tube to connect	PA polyethylene braided PVC rilsan PU, Hytrel Polyester
Medium	compressed air low pressure fluids
Materials	body and nut: nickel-plated brass O-ring: NBR thread seals: PTFE, PA, AL
Working pressure	the nominal pressure of the fittings is always higher than the pressure of the tube

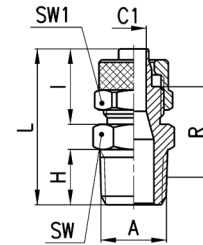
Fitting with connecting tube



Fittings Mod. 1510



Metric-BSPT Male Connector

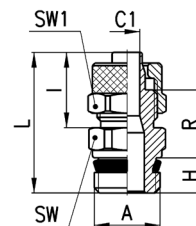


DIMENSIONS										
Mod.	Tube	A	C1	H	I	L	R	SW	SW1	Weight (g)
1510 5/3-1/8	5/3	R1/8	2	7,5	12,5	24,5	14,5	12	8	10
1510 6/4-1/8	6/4	R1/8	3	7,5	15	27	16	12	12	15
1510 6/4-1/4	6/4	R1/4	3	11	15	31	18,5	14	12	19
1510 6/4-3/8	6/4	R3/8	3	11,5	15	31,5	18,5	17	12	22
1510 6/4-1/2	6/4	R1/2	3	14	15	34,5	20	22	12	38
1510 6/4-M12x1,25	6/4	M12X1,25	3	10	15	30	18	13	12	17
1510 8/6-1/8	8/6	R1/8	5	7,5	15	27	16	13	14	19
1510 8/6-1/4	8/6	R1/4	5	11	15	31	18,5	14	14	20
1510 8/6-3/8	8/6	R3/8	5	11,5	15	31,5	18,5	17	14	25
1510 8/6-1/2	8/6	R1/2	5	14	15	34,5	20	22	14	39
1510 10/8-1/8	10/8	R1/8	6,5	7,5	16,5	28,5	16,5	14	16	24
1510 10/8-1/4	10/8	R1/4	6,5	11	16,5	32,5	19	14	16	24
1510 10/8-3/8	10/8	R3/8	6,5	11,5	16,5	33	19	17	16	27
1510 10/8-1/2	10/8	R1/2	6,5	14	16,5	36	20,5	22	16	42
1510 12/10-3/8	12/10	R3/8	8,5	11,5	18	34,5	19	17	19	35
1510 12/10-1/2	12/10	R1/2	8,5	14	18	37,5	20,5	22	19	49
1510 15/12,5-1/2	15/12,5	R1/2	11	14	20	39,5	21	22	22	55

Fittings Mod. 1511



Metric Male Connector Sprint®



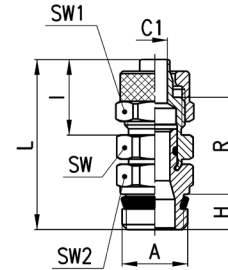
DIMENSIONS										
Mod.	Tube	A	C1	H	I	L	R	SW	SW1	Weight (g)
1511 5/3-M5	5/3	M5	2	4	12,5	21	10,5	8	8	5 *
1511 5/3-M6	5/3	M6	2	4	12,5	21	10,5	9	8	5 *
1511 5/3-1/8	5/3	G1/8	2	5,5	12,5	23,8	11,8	12	8	10
1511 6/4-M5	6/4	M5	3	4	13,5	22	10,5	8	9	6 *
1511 6/4-M6	6/4	M6	3	4	13,5	22	10,5	9	9	7 *
1511 6/4-1/8	6/4	G1/8	3	5,5	15	26,3	13,3	12	12	15
1511 6/4-1/4	6/4	G1/4	3	7	15	28	13,5	14	12	16
1511 6/4-3/8	6/4	G3/8	3	8	15	29,3	13,8	19	12	27
1511 8/6-1/8	8/6	G1/8	5	5,5	15	26,3	13,3	12	14	17
1511 8/6-1/4	8/6	G1/4	5	7	15	28	13,5	14	14	18
1511 8/6-3/8	8/6	G3/8	5	8	15	29,3	13,8	19	14	27
1511 10/8-1/8	10/8	G1/8	6,5	5,5	16,5	27,8	13,8	14	16	23
1511 10/8-1/4	10/8	G1/4	6,5	7	16,5	29,5	14	14	16	25
1511 10/8-3/8	10/8	G3/8	6,5	8	16,5	30,8	14,3	19	16	30
1511 10/8-1/2	10/8	G1/2	6,5	9	16,5	32,5	15	22	16	36
1511 12/10-3/8	12/10	G3/8	8,5	8	18	32,3	14,3	19	19	39
1511 12/10-1/2	12/10	G1/2	8,5	9	18	34	15	22	19	42
1511 15/12,5-1/2	15/12,5	G1/2	11	9	20	36	15,5	22	22	52

* = with O-Ring

Fittings Mod. 1560



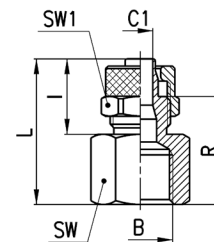
Swivel Male Connector Sprint®



DIMENSIONS											
Mod.	Tube	A	C1	H	I	L	R	SW	SW1	SW2	Weight (g)
1560 6/4-1/8	6/4	G1/8	3	5,5	15	31	18	12	12	12	19
1560 6/4-1/4	6/4	G1/4	3	7	15	32,5	18	12	12	14	25
1560 8/6-1/8	8/6	G1/8	5	5,5	15	32	19	13	14	12	21
1560 8/6-1/4	8/6	G1/4	5	7	15	33,5	19	13	14	14	26
1560 10/8-1/4	10/8	G1/4	6,5	7	16,5	34,5	19	14	16	14	27
1560 10/8-3/8	10/8	G3/8	6,5	8	16,5	36	19,5	14	16	19	38
1560 12/10-3/8	12/10	G3/8	6,5	8	18	38	20	17	19	19	46

Fittings Mod. 1463

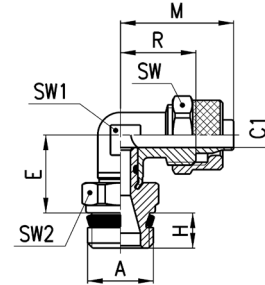
BSP Female Connector



DIMENSIONS										
Mod.	Tube	B	C1	I	L	R	SW	SW1	Weight (g)	
1463 5/3-1/8	5/3	G1/8	2	12,5	22,5	16	13	8	10	
1463 6/4-1/8	6/4	G1/8	3	15	25	17,5	13	12	14	
1463 6/4-1/4	6/4	G1/4	3	15	26,5	19	17	12	21	
1463 6/4-3/8	6/4	G3/8	3	15	27,5	20	20	12	25	
1463 8/6-1/8	8/6	G1/8	5	15	25	17,5	13	14	16	
1463 8/6-1/4	8/6	G1/4	5	15	26,5	19	17	14	22	
1463 8/6-3/8	8/6	G3/8	5	15	27,5	20	20	14	26	
1463 10/8-1/8	10/8	G1/8	6,5	16,5	21,5	13	14	16	19	
1463 10/8-1/4	10/8	G1/4	6,5	16,5	28	19,5	17	16	28	
1463 10/8-3/8	10/8	G3/8	6,5	16,5	29	20,5	20	16	31	
1463 10/8-1/2	10/8	G1/2	6,5	16,5	33	24,5	24	16	43	
1463 12/10-3/8	12/10	G3/8	8,5	18	30,5	20,5	20	19	37	

Fittings Mod. 1541

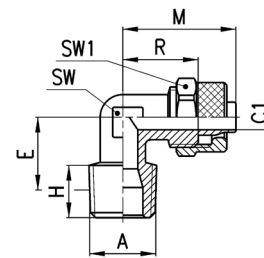
Swivel Male Elbow Sprint®



DIMENSIONS											
Mod.	Tube	A	C1	E	H	M	R	SW	SW1	SW2	Weight (g)
1541 6/4-1/8	6/4	G1/8	3	15	5,5	22,5	15	12	10	12	22
1541 6/4-1/4	6/4	G1/4	3	15	7	22,5	15	12	10	14	27
1541 8/6-1/8	8/6	G1/8	5	15	5,5	22,5	15	14	10	12	23
1541 8/6-1/4	8/6	G1/4	5	15	7	22,5	15	14	10	14	28
1541 10/8-1/4	10/8	G1/4	6,5	16	7	25,5	17	16	12	14	35

Fittings Mod. 1500

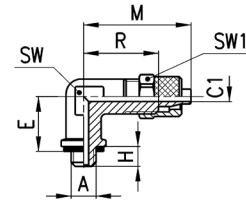
Fix Metric-BSPT Male Elbow



DIMENSIONS											
Mod.	Tube	A	C1	E	H	M	R	SW	SW1	SW2	Weight (g)
1500 5/3-1/8	5/3	R1/8	2	13	7,5	21,5	15	8	8	8	11
1500 6/4-1/8	6/4	R1/8	3	13	7,5	22,5	15	8	12	15	
1500 6/4-1/4	6/4	R1/4	3	15,5	11	22,5	15	10	12	21	
1500 6/4-3/8	6/4	R3/8	3	17	11,5	23,5	16	12	12	27	
1500 6/4-M12x1,25	6/4	M12x1,25	3	14	10	22,5	15	10	12	18	
1500 8/6-1/8	8/6	R1/8	5	13	7,5	22,5	15	10	14	19	
1500 8/6-1/4	8/6	R1/4	5	15,5	11	22,5	15	10	14	21	
1500 8/6-3/8	8/6	R3/8	5	17	11,5	24	16	12	14	29	
1500 8/6-1/2	8/6	R1/2	5	21,5	14	27	19	16	14	48	
1500 10/8-1/8	10/8	R1/8	6,5	15	7,5	25,5	17	12	16	29	
1500 10/8-1/4	10/8	R1/4	6,5	17	11	25,5	17	12	16	29	
1500 10/8-3/8	10/8	R3/8	6,5	16,5	11,5	25,5	17	12	16	33	
1500 10/8-1/2	10/8	R1/2	6,5	21	14	28,5	20	16	16	58	
1500 12/10-3/8	12/10	R3/8	8,5	19	11,5	30	20	14	19	44	
1500 12/10-1/2	12/10	R1/2	8,5	21	14	30,5	20,5	16	19	59	
1500 15/12,5-1/2	15/12,5	R1/2	11	21	14	34	22,5	16	22	67	

Fittings Mod. 1501 5/3-M5

Metric Fix Male Elbow

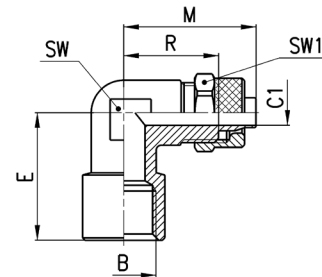


DIMENSIONS

Mod.	Tube	A	C1	E	H	M	R	SW	SW1	Weight (g)
1501 5/3-M5	5/3	M5	2	11	4	21,5	15	8	8	10

Fittings Mod. 1493

BSP Female Elbow

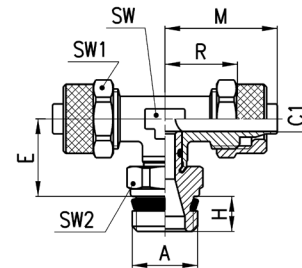


DIMENSIONS

Mod.	Tube	B	C1	E	M	R	SW	SW1	Weight (g)
1493 6/4-1/8	6/4	G1/8	3	19	22.5	15	10	12	20
1493 6/4-1/4	6/4	G1/4	3	23,5	26	18.5	14	12	34
1493 8/6-1/8	8/6	G1/8	5	19	22.5	15	10	14	21
1493 8/6-1/4	8/6	G1/4	5	23,5	26	19	14	14	34
1493 10/8-1/4	10/8	G1/4	6.5	23,5	27.5	18	14	16	39
1493 12/10-3/8	12/10	G3/8	8.5	26	30.5	20.5	16	19	53

Fittings Mod. 1431

Swivel Male Tee Sprint®

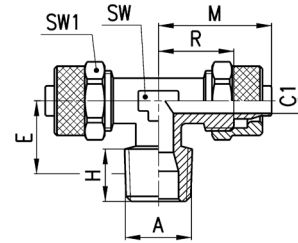


DIMENSIONS

Mod.	Tube	A	C1	E	H	M	R	SW	SW1	SW2	Weight (g)
1431 6/4-1/8	6/4	G1/8	3	15	5,5	22,5	15	10	12	12	32
1431 6/4-1/4	6/4	G1/4	3	15	7	22,5	15	10	12	14	38
1431 8/6-1/8	8/6	G1/8	5	15	5,5	22,5	15	10	14	12	36
1431 8/6-1/4	8/6	G1/4	5	15	7	22,5	15	10	14	14	41
1431 10/8-1/4	10/8	G1/4	6,5	16	7	25,5	17	12	16	14	54

Fittings Mod. 1410

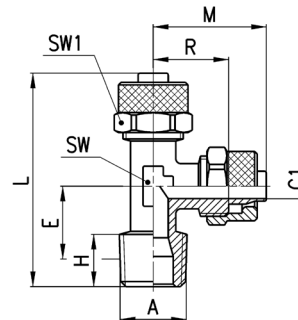
BSPT Fix Male Tee



DIMENSIONS										
Mod.	Tube	A	C1	E	H	M	R	SW	SW1	Weight (g)
1410 5/3-1/8	5/3	R1/8	2	12,5	7,5	21,5	15	8	8	16
1410 6/4-1/8	6/4	R1/8	3	12,5	7,5	22,5	15	8	12	25
1410 6/4-1/4	6/4	R1/4	3	15,5	11	22,5	15	10	12	32
1410 8/6-1/8	8/6	R1/8	5	13	7,5	22,5	15	10	14	31
1410 8/6-1/4	8/6	R1/4	5	15,5	11	22,5	15	10	14	35
1410 10/8-1/8	10/8	R1/8	6,5	15	7,5	25,5	17	12	16	47
1410 10/8-1/4	10/8	R1/4	6,5	17	11	25,5	17	12	16	50
1410 10/8-1/2	10/8	R1/2	6,5	21,5	14	28,5	20	16	16	80
1410 12/10-3/8	12/10	R3/8	8,5	19	11,5	30	20	14	19	77
1410 12/10-1/2	12/10	R1/2	8,5	21,5	14	30,5	20,5	16	19	92
1410 15/12,5-1/2	15/12,5	R1/2	11	21,5	14	34	22,5	16	22	107

Fittings Mod. 1420

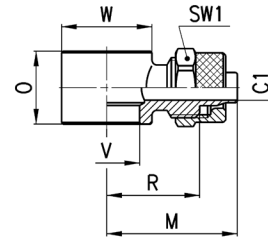
Lateral BSPT Male Tee



DIMENSIONS											
Mod.	Tube	A	C1	E	H	L	M	R	SW	SW1	Weight (g)
1420 5/3-1/8	5/3	R1/8	2	12,5	7,5	37,5	21,5	15	8	8	15
1420 6/4-1/8	6/4	R1/8	3	12,5	7,5	38,5	22,5	15	8	12	23
1420 6/4-1/4	6/4	R1/4	3	15,5	11	43	22,5	15	10	12	29
1420 8/6-1/8	8/6	R1/8	5	13	7,5	39	22,5	15	10	14	31
1420 8/6-1/4	8/6	R1/4	5	15,5	11	43	22,5	15	10	14	34
1420 10/8-1/8	10/8	R1/8	6,5	15	7,5	43,5	25,5	17	12	16	46
1420 10/8-1/4	10/8	R1/4	6,5	17	11	47	25,5	17	12	16	50

Fittings Mod. 1610

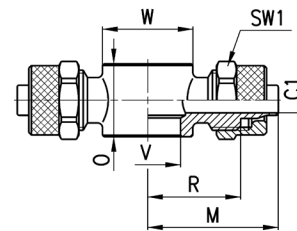
Single Banjo



DIMENSIONS										
Mod.	Tube	C1	M	O	R	V	W	SW1	Weight (g)	assembled with Mod.
1610 5/3-M5	5/3	2	17	9	10.5	5.1	Ø9	8	8	1631, 1635
1610 5/3-M6	5/3	2	17	9	10.5	5.1	Ø9	8	7	SCU, SVU, SCO...
1610 5/3-1/8	5/3	2	22.5	14.5	16	9.8	Ø14	8	13	1631, 1635, SCU, SVU, SCO...
1610 6/4-M5	6/4	3	18	9	10.5	5.1	Ø9	9	8	1631, 1635
1610 6/4-M6	6/4	2	18	9	10.5	5.1	Ø9	9	8	SCU, SVU, SCO...
1610 6/4-1/8	6/4	3	24	14.5	16.5	9.8	Ø14	12	18	1631, 1635, SCU, SVU, SCO...
1610 6/4-1/4	6/4	3	26	14.5	18.5	13.2	Ø18	12	21	1631, 1635, SCU, SVU, SCO...
1610 6/4-3/8	6/4	3	28	14.5	20.5	16.7	Ø21	12	22	1631, 1635, SCU, SVU, SCO...
1610 8/6-1/8	8/6	5	24	14.5	16.5	9.8	Ø14	14	19	1631, 1635, SCU, SVU, SCO...
1610 8/6-1/4	8/6	5	26	14.5	18.5	13.2	Ø18	14	22	1631, 1635, SCU, SVU, SCO...
1610 8/6-3/8	8/6	5	28	14.5	20.5	16.7	Ø21	14	25	1631, 1635, SCU, SVU, SCO...
1610 10/8-1/8	10/8	6.5	25	14.5	16.5	9.8	Ø14	16	25	1635, SCU, SVU, SCO...
1610 10/8-1/4	10/8	6.5	27	14.5	18.5	13.2	Ø18	16	24	1635, SCU, SVU, SCO...
1610 10/8-3/8	10/8	6.5	29.5	14.5	21	16.7	Ø21	16	28	1635, SCU, SVU, SCO...
1610 10/8-1/2	10/8	6.5	32	14.5	23.5	21	Ø26	16	35	1635
1610 12/10-3/8	12/10	8	31.5	14.5	21.5	16.7	Ø21	19	36	1635, SCU, SVU, SCO...
1610 12/10-1/2	12/10	8.5	33.5	14.5	23.5	21	Ø26	19	40	1635
1610 15/12,5-1/2	15/12,5	11	36.5	14.5	25	21	Ø26	22	48	1635

Fittings Mod. 1620

Double Banjo



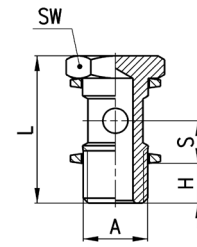
DIMENSIONS										
Mod.	Tube	C1	M	O	R	V	W	SW1	Weight (g)	assembled with Mod.
1620 6/4-M5	6/4	3	18	9	10.5	5.1	Ø9	9	12	1631, 1635
1620 6/4-1/8	6/4	3	24	14.5	16.5	9.8	Ø14	12	29	1631, 1635, SCU, SVU, SCO...
1620 6/4-1/4	6/4	3	26	14.5	18.5	13.2	Ø18	12	31	1631, 1635, SCU, SVU, SCO...
1620 8/6-1/8	8/6	5	24	14.5	16.5	9.8	Ø14	14	31	1631, 1635, SCU, SVU, SCO...
1620 8/6-1/4	8/6	5	26	14.5	18.5	13.2	Ø18	14	34	1631, 1635, SCU, SVU, SCO...

Fittings Mod. 1631 01

Single Banjo Stem



Assembled with adjustable fittings Mod. 6610; 6620; 1610; 1620; 2023; 1170



DIMENSIONS						
Mod.	A	H	L	S	SW	Weight (g)
1631 01-M5	M5	4	18	5,5	8	3 *
1631 01-1/8	G1/8	6	27	8,5	14	13
1631 01-1/4	G1/4	8	29,5	8,5	17	24
1631 01-3/8	G3/8	8	30	8,5	19	35
1631 01-1/2	G1/2	9	31	8,5	27	63

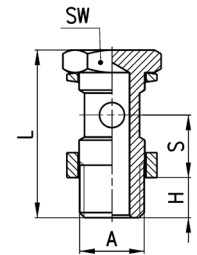
* = zinc-plated steel

Fittings Mod. 1635 01

Single Long Banjo Stem



Assembled with adjustable fittings Mod. 6610; 6620; 1610; 1620; 2023; 1170



DIMENSIONS						
Mod.	A	H	L	S	SW	Weight (g)
1635 01-1/8	G1/8	6	31	12,5	14	15
1635 01-1/4	G1/4	8	33,5	12,5	17	27
1635 01-3/8	G3/8	8	34	12,5	19	37
1635 01-1/2	G1/2	9	35	12,5	27	71
1635 01-M12x1,25	M12x1,25	8	33,5	12,5	17	27 *
1635 01-M12x1,5	M12x1,5	8	33,5	12,5	17	27 *

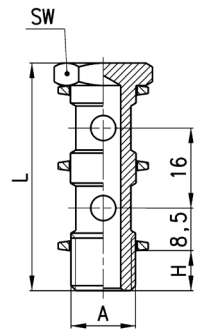
* = models that can be assembled with 1/4 banjo fittings

Fittings Mod. 1631 02

Double Banjo Stem



Assembled with adjustable fittings Mod. 6610; 6620; 1610; 1620; 2023; 1170



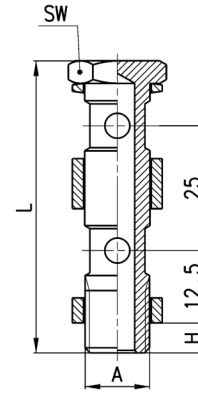
DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
1631 02-1/8	G1/8	6	43	14	18
1631 02-1/4	G1/4	8	45,5	17	33
1631 02-3/8	G3/8	8	46	19	48

Fittings Mod. 1635 02



Double Long Banjo Stem

Assembled with adjustable fittings Mod. 6610; 6620; 1610; 1620; 2023; 1170



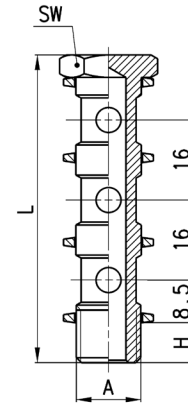
DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
1635 02-1/8	G1/8	6	56	14	26
1635 02-1/4	G1/4	8	58,5	17	33
1635 02-3/8	G3/8	8	59	19	64
1635 02-1/2	G1/2	9	60	27	111

Fittings Mod. 1631 03



Triple Banjo Stem

Assembled with adjustable fittings Mod. 6610; 6620; 1610; 1620; 2023; 1170

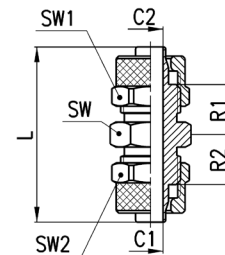


DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
1631 03-1/8	G1/8	6	59	14	24
1631 03-1/4	G1/4	8	61,5	17	42
1631 03-3/8	G3/8	8	62	19	62

Fittings Mod. 1580



Union Connector

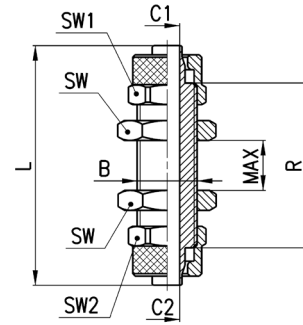


DIMENSIONS										
Mod.	Tube	C1	C2	L	R1	R2	SW	SW1	SW2	Weight (g)
1580 5/3	5/3	2	2	28,5	7,5	7,5	8	8	8	8
1580 6/4	6/4	3	3	34,5	10	10	12	12	12	22
1580 8/6	8/6	5	5	34,5	9,75	9,75	13	14	14	28
1580 10/8	10/8	6,5	6,5	38	10,5	10,5	14	16	16	38
1580 12/10	12/10	8,5	8,5	41	10,5	10,5	17	19	19	55
1580 15/12,5	15/12,5	11	11	45	11	11	22	22	22	80
1580 8/6-6/4	8/6-6/4	5	3	34,5	9,75	9,75	13	12	14	24
1580 10/8-6/4	10/8-6/4	6,5	3	36,5	10,5	10	14	12	16	31

Fittings Mod. 1590



Bulkhead Union Reducer

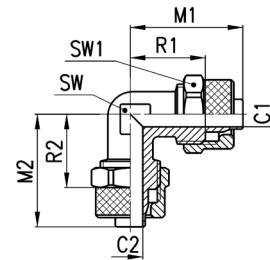


DIMENSIONS											
Mod.	Tube	B	C1	C2	L	R	MAX	SW	SW1	SW2	Weight (g)
1590 5/3	5/3	M7x0,75	2	2	40	27	9	8	8	8	12
1590 6/4	6/4	M10x1	3	3	48	33	14	14	12	12	33
1590 8/6	8/6	M12x1	5	5	48	33	12	17	14	14	43
1590 10/8	10/8	M14x1	6,5	6,5	48	31	10	17	16	16	52
1590 12/10	12/10	M16x1	8,5	8,5	53	33	10	19	19	19	71
1590 6/4-5/3	6/4-5/3	M10x1	3	2	48	34	14	14	12	12	33
1590 8/6-6/4	8/6-6/4	M12x1	5	3	48	33	12	17	14	14	44

Fittings Mod. 1550



Elbow Connector

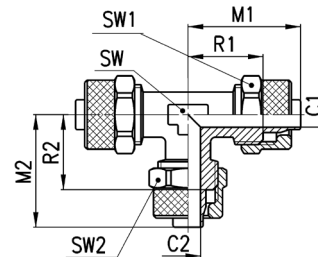


DIMENSIONS										
Mod.	Tube	C1	C2	M1	M2	R1	R2	SW	SW1	Weight (g)
1550 6/4	6/4	3	3	22,5	22,5	15	15	8	12	21
1550 8/6	8/6	5	5	22,5	22,5	15	15	10	14	27
1550 10/8	10/8	6,5	6,5	25,5	25,5	17	17	12	16	40
1550 12/10	12/10	8,5	8,5	30	30	20	20	14	19	61
1550 15/12,5	15/12,5	11	11	34	34	22,5	22,5	16	22	88

Fittings Mod. 1540



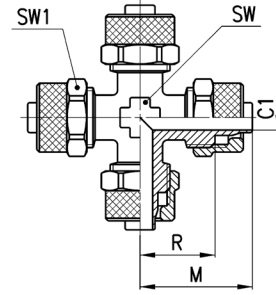
Tee Connector



DIMENSIONS											
Mod.	Tube	C1	C2	M1	M2	R1	R2	SW	SW1	SW2	Weight (g)
1540 5/3	5/3	2	2	21,5	21,5	15	15	8	8	8	17
1540 6/4	6/4	3	3	22,5	22,5	15	15	8	12	12	31
1540 8/6	8/6	5	5	22,5	22,5	15	15	10	14	14	39
1540 10/8	10/8	6,5	6,5	25,5	25,5	17	17	12	16	16	58
1540 12/10	12/10	8,5	8,5	30	30	20	20	14	19	19	90
1540 15/12,5	15/12,5	11	11	34	34	22,5	22,5	16	22	22	128
1540 8/6-6/4	8/6-6/4	5	3	22,5	22,5	15	15	10	14	12	38
1540 10/8-6/4	10/8-6/4	6,5	3	25,5	23,5	17	16,5	12	16	12	50
1540 10/8-8/6	10/8-8/6	6,5	5	25,5	24	17	16,5	12	16	14	53

Fittings Mod. 1600

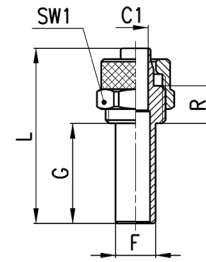
Cross Connector



DIMENSIONS							
Mod.	Tube	C1	M	R	SW	SW1	Weight (g)
1600 6/4	6/4	3	22,5	15	8	12	41
1600 8/6	8/6	5	22,5	15	10	14	52

Fittings Mod. 1470

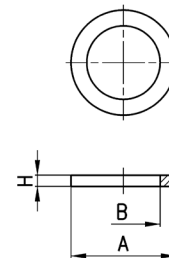
Adaptor with Junction



DIMENSIONS								
Mod.	Tube	F	C1	G	L	R	SW1	Weight (g)
1470 6/4	6/4	6	3	20	35	7,5	12	11
1470 8/6	8/6	8	5	20	35	7,5	14	15

Accessories Mod. 2651

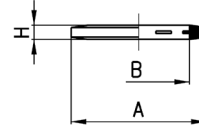
Aluminium Washer



DIMENSIONS				
Mod.	A	B	H	Weight (g)
2651 1/8	14	9,8	1,5	1
2651 1/4	18	13,2	1,5	1
2651 3/8	22	16,7	1,5	1
2651 1/2	26	20,9	1,5	1
2651 1	38,5	33,4	1,5	2

Accessories Mod. 2661

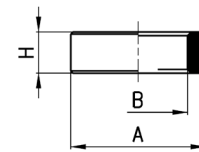
Plastic Washer



DIMENSIONS				
Mod.	A	B	H	Weight (g)
2661 M3	4,9	2,8	0,7	1
2661 M5	8	5,2	1	1
2661 M6	9	6,2	1	1
2661 1/8	14	10,2	1,9	1
2661 1/4	18	13,5	1,9	1
2661 3/8	21	16,5	2,1	1
2661 1/2	26	21,2	1,9	1

Accessories Mod. 2665

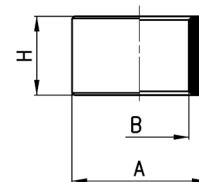
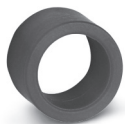
Plastic Washer



DIMENSIONS				
Mod.	A	B	H	Weight (g)
2665 1/8	14	9,8	5	1
2665 1/4	18	13,2	5	1
2665 3/8	21	16,8	5	1
2665 1/2	26	21,1	5	1

Accessories Mod. 2669

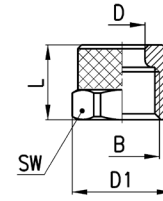
Plastic Washer



DIMENSIONS				
Mod.	A	B	H	Weight (g)
2669 1/8	14	9,8	10	1
2669 1/4	18	13,2	10	2
2669 3/8	21	16,8	10	2
2669 1/2	26	21,1	10	2

Accessories Mod. 1703

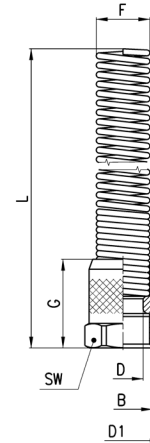
Blocking nut



DIMENSIONS							
Mod.	Tube	B	D	D1	L	SW1	Weight (g)
1703 5/3-M7x0,75	5/3	M7x0,75	5,1	8,8	8,5	8	1
1703 6/4-M8x0,75	6/4	M8x0,75	6,1	9,8	8,5	9	2
1703 6/4-M10x1	6/4	M10x1	6,1	13,3	10	12	4
1703 8/6-M12x1	8/6	M12x1	8,2	15,5	10	14	5
1703 10/8-M14x1	10/8	M14x1	10,15	17,5	13	16	8
1703 12/10-M16x1	12/10	M16x1	12,2	21	13,5	19	12
1703 15/12,5-M20x1	15/12,5	M20x1	15,2	24,5	16	22	15

Accessories Mod. 1723

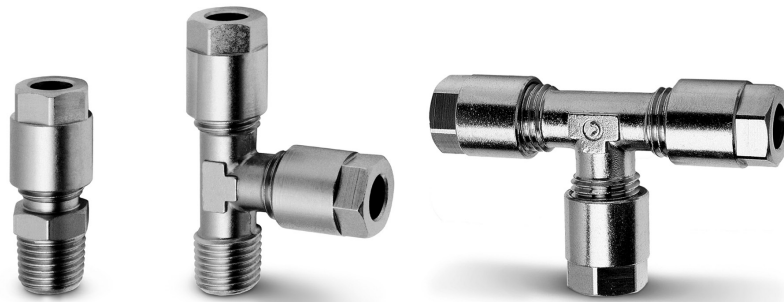
Blocking nut with metal spring



DIMENSIONS									
Mod.	Tube	B	F	D	D1	G	L	SW	Weight (g)
1723 6/4-M10x1	6/4	M10x1	8,9	6,1	13,3	18	90,5	12	15
1723 8/6-M12x1	8/6	M12x1	10,9	8,2	15,5	18	94,5	14	23
1723 10/8-M14x1	10/8	M14x1	12,5	10,15	17,5	22	96,5	16	29
1723 12/10-M16x1	12/10	M16x1	15,5	12,2	21	23,5	108	19	46
1723 15/12,5-M20x1	15/12,5	M20x1	18,5	15,2	24,5	28	120	22	57

Series 1000 brass universal nose fittings

Nose fittings for plastic, copper and brass tubes: \varnothing 4, 6, 8, 10, 12 mm
Fittings threads: BSP (G1/8, G1/4), BSPT (R1/8, R1/4, R3/8, R1/2)



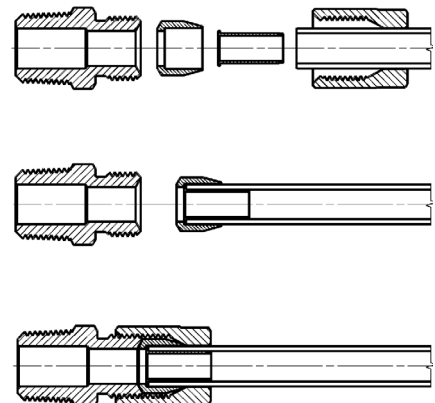
Series 1000 nose fittings are used with plastic tubes as well as with copper, brass, steel and aluminium tubes. These fittings, which are suitable for several applications, can be used within pneumatic, oil-pressure and low-pressure hydraulic circuits.

The fittings seats, noses and nuts comply with the DIN 3870-3861 standards.

GENERAL DATA

Diameters	\varnothing 4 - 6 - 8 - 10 - 12 mm
Threads	GAS, conical ISO 7 (BSPT) GAS, cylindrical ISO 228 (BSP)
Temperature	see data for tubing used
Connecting tube	annealed copper and plastic tubes (with reinforcement)
Medium	compressed air and other low pressure fluids
Materials	nickel-plated brass
Working pressure	max 40 bar

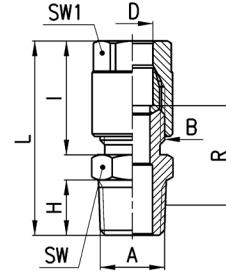
Fittings with connecting tube



Fittings Mod. 1050



BSPT Male Connector

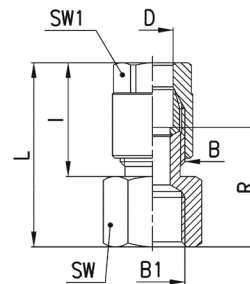


DIMENSIONS										
Mod.	D	A	B	H	I	L	R	SW	SW1	Weight (g)
1050 4-1/8	4	R1/8	1/8	7,5	19	31	14	12	12	19
1050 6-1/8	6	R1/8	1/8	7,5	19	31	14	12	12	18
1050 6-1/4	6	R1/4	1/8	11	19	35	16,5	14	12	23
1050 8-1/8	8	R1/8	1/4	7,5	23	35	15,5	14	14	29
1050 8-1/4	8	R1/4	1/4	11	23	39	18	14	14	33
1050 8-3/8	8	R3/8	1/4	11,5	23	39,5	18	17	14	40
1050 10-1/4	10	R1/4	3/8	11	25,5	41,5	18	17	17	51
1050 10-3/8	10	R3/8	3/8	11,5	25,5	42	18	17	17	55
1050 10-1/2	10	R1/2	3/8	14	25,5	45	18	22	17	65
1050 12-1/4	12	R1/4	M18x1,5	11	24,5	40,5	12	19	19	56
1050 12-3/8	12	R3/8	M18x1,5	11,5	24,5	41	12	19	19	58
1050 12-1/2	12	R1/2	M18x1,5	14	24,5	44	12	22	19	68

* = with bi-conical olive

Fittings Mod. 1063

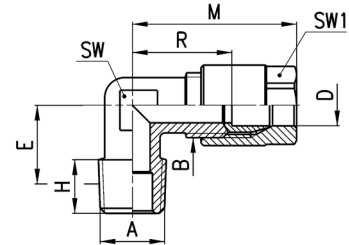
BSP Female Connector



DIMENSIONS										
Mod.	D	B1	B	I	L	R	SW	SW1	Weight (g)	
1063 4-1/8	4	G1/8	1/8	19	29	18,5	13	12	19	
1063 6-1/8	6	G1/8	1/8	19	29	18,5	13	12	18	
1063 6-1/4	6	G1/4	1/8	19	30,5	20	17	12	25	
1063 8-1/8	8	G1/8	1/4	23	33	20	14	14	31	
1063 8-1/4	8	G1/4	1/4	23	34,5	21,5	17	14	35	

Fittings Mod. 1020

BSPT Fix Male Elbow

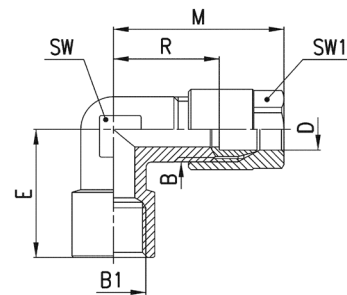


DIMENSIONS											
Mod.	D	A	B	E	H	M	R	SW	SW1	Weight (g)	
1020 4-1/8	4	R1/8	1/8	11,5	7,5	29,5	19	9	12	21	
1020 6-1/8	6	R1/8	1/8	11,5	7,5	29,5	19	9	12	19	
1020 6-1/4	6	R1/4	1/8	13,5	11	29,5	19	12	12	27	
1020 8-1/8	8	R1/8	1/4	11,5	7,5	33	20	11	14	35	
1020 8-1/4	8	R1/4	1/4	13,5	11	33	20	12	14	36	
1020 8-3/8	8	R3/8	1/4	15,5	11,5	35	22	14	14	50	
1020 10-1/4	10	R1/4	3/8	15	11	38	22,5	13	17	59	
1020 10-3/8	10	R3/8	3/8	15,5	11,5	38	22,5	14	17	58	
1020 10-1/2	10	R1/2	3/8	16	14	38	22,5	16	17	78	
1020 12-1/4	12	R1/4	M18x1,5	15	11	37	16,5	15	19	66	*
1020 12-3/8	12	R3/8	M18x1,5	15	11,5	37	16,5	15	19	66	*
1020 12-1/2	12	R1/2	M18x1,5	16	14	37	16,5	16	19	75	*

* = with bi-conical olive

Fittings Mod. 1093

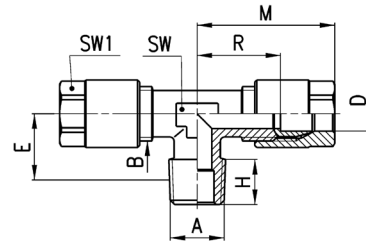
BSP Female Elbow



DIMENSIONS									
Mod.	D	B1	B	E	M	R	SW	SW1	Weight (g)
1093 4-1/8	4	G1/8	1/8	19	29,5	18,5	12	12	31
1093 6-1/8	6	G1/8	1/8	19	29,5	19	12	12	25
1093 6-1/4	6	G1/4	1/8	23	30,5	20	13	12	39
1093 8-1/8	8	G1/8	1/4	19	33	20	11	14	39
1093 8-1/4	8	G1/4	1/4	23	35	22	13	14	44

Fittings Mod. 1000

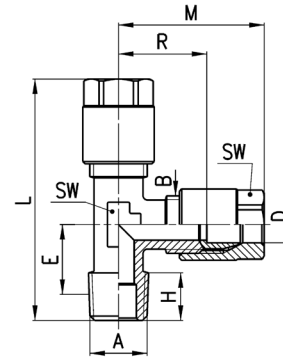
BSPT Fix Male Tee



DIMENSIONS										
Mod.	D	A	B	E	H	M	R	SW	SW1	Weight (g)
1000 4-1/8	4	R1/8	1/8	11,5	7,5	29,5	19	9	12	35
1000 6-1/8	6	R1/8	1/8	11,5	7,5	29,5	19	9	12	33
1000 8-1/4	8	R1/4	1/4	13,5	11	33	20	12	14	63
1000 10-1/4	10	R1/4	3/8	15	11	38	22,5	13	17	104

Fittings Mod. 1010

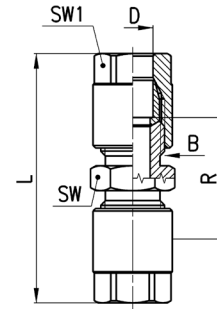
Lateral BSPT Fix Male Tee



DIMENSIONS											
Mod.	D	A	B	E	H	L	M	R	SW	SW1	Weight (g)
1010 4-1/8	4	R1/8	1/8	11,5	7,5	48	29,5	19	9	12	37
1010 6-1/8	6	R1/8	1/8	11,5	7,5	48	29,5	19	9	12	33
1010 8-1/4	8	R1/4	1/4	13,5	11	54,5	33	20	12	14	61
1010 10-1/4	10	R1/4	3/8	15	11	61,5	38	22,5	13	17	103

Fittings Mod. 1230

Union Connector

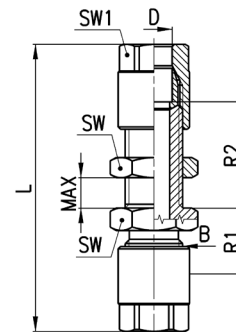


DIMENSIONS							
Mod.	D	B	L	R	SW	SW1	Weight (g)
1230 4	4	1/8	42,5	21,5	12	12	29
1230 6	6	1/8	42,5	21,5	12	12	26
1230 8	8	1/4	51	25	14	14	48
1230 10	10	3/8	56	25	17	17	83
1230 12	12	M18x1,5	54	13	19	19	140

* = with bi-conical olive

Fittings Mod. 1250

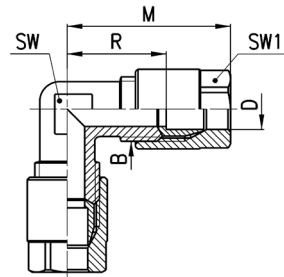
Bulkhead Connector



DIMENSIONS									
Mod.	D	B	L	R1	R2	MAX	SW	SW1	Weight (g)
1250 4	4	1/8	57,5	12,5	23	12	14	12	40
1250 6	6	1/8	57,5	13	23,5	12	14	12	38
1250 8	8	1/4	65	15	24	13	17	14	67
1250 10	10	3/8	72,5	15	26,5	13	22	17	119

Fittings Mod. 1220

Elbow Connector

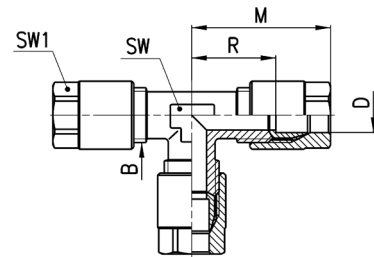


DIMENSIONS							
Mod.	D	B	M	R	SW	SW1	Weight (g)
1220 4	4	1/8	29,5	19	9	12	31
1220 6	6	1/8	29,5	19	9	12	29
1220 8	8	1/4	33	20	11	14	53
1220 10	10	3/8	38	22,5	14	17	92
1220 12	12	M18x1,5	37	16,5	16	19	99 *

* = with bi-conical olive

Fittings Mod. 1210

Tee Connector

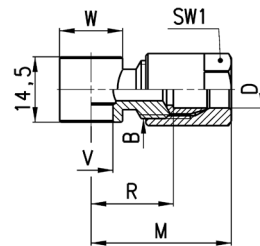


DIMENSIONS							
Mod.	D	B	M	R	SW	SW1	Weight (g)
1210 4	4	1/8	29,5	19	9	12	45
1210 6	6	1/8	29,5	19	9	12	42
1210 8	8	1/4	33	20	12	14	79
1210 10	10	3/8	38	22,5	13	17	133
1210 12	12	M18x1,5	37	16,5	16	19	144 *

* = with bi-conical olive

Fittings Mod. 1170

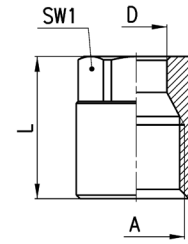
Single Banjo



DIMENSIONS										
Mod.	D	B	R	M	V	W	SW1	Weight (g)	assembled with Mod.	
1170 6-1/8	6	1/8	17.5	28	9.8	14	12	20	1631, 1635, SCU, SVU, SCO...	
1170 6-1/4	6	1/8	20	30.5	13.2	18	12	24	1631, 1635, SCU, SVU, SCO...	
1170 8-1/8	8	1/4	18	31	9.8	14	14	31	1635, SCU, SVU, SCO...	

Accessories Mod. 1303

Blocking nut



DIMENSIONS					
Mod.	D	A	L	SW1	Weight (g)
1303 4-1/8	4	1/8	15,5	12	8
1303 6-1/8	6	1/8	15,5	12	8
1303 8-1/4	8	1/4	19	14	14
1303 10-3/8	10	3/8	21,5	17	24
1303 12-M18x1,5	12	M18x1,5	19,5	19	27

Accessories Mod. 1310

Olive and Bicone

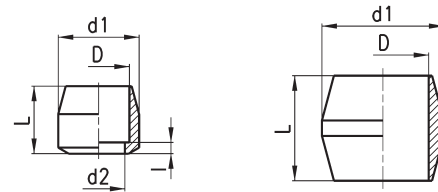


FIG. 1

FIG. 2

DIMENSIONS						
Mod.	D	d1	d2	l	L	Weight (g)
1310 4	4	7,8	3	1	8	2
1310 6	6	7,8	4,5	1	7	1
1310 8	8	10,8	7	1,5	9	3
1310 10	10	13,8	9	1,5	11,5	5
1310 12-M18	12	16,3	12	-	11	6 *

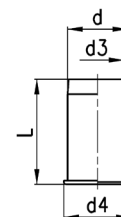
Fig. 1 = olive

Fig. 2 = bi-conical olive

* = with bi-conical olive

Accessories Mod. 1320

Inserts



DIMENSIONS					
Mod.	d	d3	d4	L	Weight (g)
1320 4	4	3	5	12	1
1320 6	6	5	7	13	1
1320 8	8	7	9	14	1
1320 10	10	9	11	16	2

Series S2000 brass pipe fittings Sprint®

Fittings threads: BSP (G1/8, G1/4, G3/8, G1/2), BSPT (R1/8, R1/4, R3/8, R1/2)



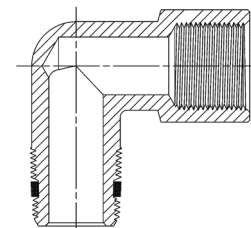
Series S2000 pipe fittings are characterized by great reliability of female threads, both BSP and BSPT, with non-flat surfaces. The patented Sprint models are provided with a particular torque system which avoids the use of liquid glues or PTFE band, making thus the mounting quicker.

Thanks to this system the connection and disconnection of the fitting can be repeated several times without compromising the seal on the thread.

GENERAL DATA

Threads	GAS conical ISO 7 (BSPT) GAS cylindrical ISO 228 (BSP)
Temperature	-40°C ÷ 120°C
Medium	compressed air and other low pressure fluids
Materials	nickel-plated brass and PTFE
Working pressure	80 bar

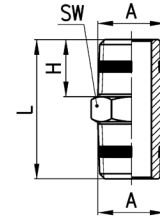
Pipe fittings Sprint®



Fittings Mod. S2500



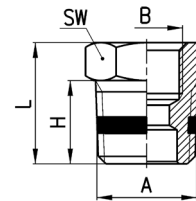
BSPT Nipple Sprint®



DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
S2500 1/8	R1/8	7,5	19,5	12	8
S2500 1/4	R1/4	11	27	14	15
S2500 3/8	R3/8	11,5	28	17	21
S2500 1/2	R1/2	14	33,5	22	39

Fittings Mod. S2530

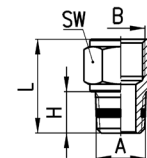
BSPT Reducing Nipple Sprint®



DIMENSIONS						
Mod.	A	B	H	L	SW	Weight (g)
S2530 1/4-1/8	R1/4	G1/8	11	16	14	9
S2530 3/8-1/8	R3/8	G1/8	11,5	16,5	17	16
S2530 1/2-1/8	R1/2	G1/8	14	19,5	22	13
S2530 3/8-1/4	R3/8	G1/4	11,5	16,5	17	33
S2530 1/2-1/4	R1/2	G1/4	14	19,5	22	32
S2530 1/2-3/8	R1/2	G3/8	14	19,5	22	22

Fittings Mod. S2520

BSPT Male Reducing Extension Sprint®

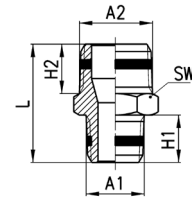


DIMENSIONS						
Mod.	A	B	H	L	SW	Weight (g)
S2520 1/8-1/8	R1/8	G1/8	7,5	17,5	13	11
S2520 1/8-1/4	R1/8	G1/4	7,5	19	17	15
S2520 1/8-3/8	R1/8	G3/8	7,5	20	20	19
S2520 1/4-1/4	R1/4	G1/4	11	22,5	17	17
S2520 1/4-3/8	R1/4	G3/8	11	23,5	20	33
S2520 1/4-1/2	R1/4	G1/2	11	27,5	24	34
S2520 3/8-3/8	R3/8	G3/8	11,5	24	20	36
S2520 3/8-1/2	R3/8	G1/2	11,5	28	24	56
S2520 1/2-1/2	R1/2	G1/2	14	30,5	24	41

Fittings Mod. S2510



BSPT Reducing Sprint®

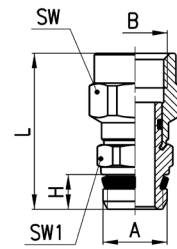


DIMENSIONS							
Mod.	A1	A2	H1	H2	L	SW	Weight (g)
S2510 1/8-1/4	R1/8	R1/4	7,5	11	23,5	14	14
S2510 1/8-3/8	R1/8	R3/8	7,5	11,5	24	17	22
S2510 1/4-3/8	R1/4	R3/8	11	11,5	27,5	17	19
S2510 1/4-1/2	R1/4	R1/2	11	14	30,5	22	33
S2510 3/8-1/2	R3/8	R1/2	11,5	14	31	22	36

Fittings Mod. 2541



BSPT Swivel Male Nipple SPRINT®

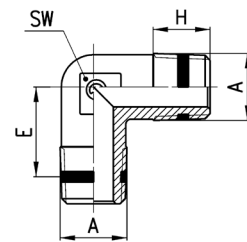


DIMENSIONS							
Mod.	A	B	H	L	SW	SW1	Weight (g)
2541 1/8-1/8	G1/8	G1/8	5,5	28	13	14	17
2541 1/4-1/4	G1/4	G1/4	7	31,5	17	14	26
2541 3/8-3/8	G3/8	G3/8	8	34	20	19	39

Fittings Mod. S2010



BSPT Male Elbow SPRINT®

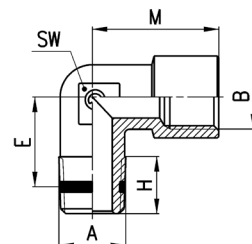


DIMENSIONS					
Mod.	A	E	H	SW	Weight (g)
S2010 1/8	R1/8	11,5	7,5	9	9
S2010 1/4	R1/4	13,5	11	12	17
S2010 3/8	R3/8	15,5	11,5	14	25
S2010 1/2	R1/2	16	14	16	47

Fittings Mod. S2020



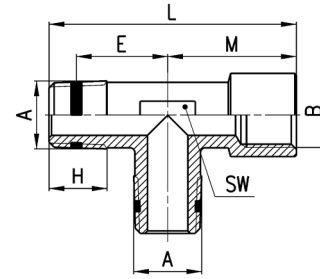
Male Female Elbow SPRINT®



DIMENSIONS							
Mod.	A	B	E	H	M	SW	Weight (g)
S2020 1/8-1/8	R1/8	G1/8	11,5	8,5	19	11	16
S2020 1/4-1/4	R1/4	G1/4	15	11	23	13	27
S2020 3/8-3/8	R3/8	G3/8	15	11,5	25	15	33
S2020 1/2-1/2	R1/2	G1/2	17,5	14	31,5	20	62

Fittings Mod. S2050

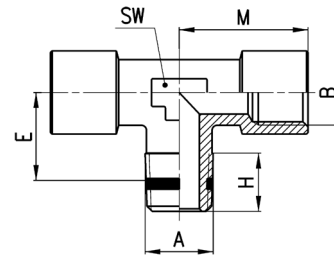
M.M.F. Tee Sprint®



DIMENSIONS								
Mod.	A	B	E	H	L	M	SW	Weight (g)
S2050 1/8-1/8	R1/8	G1/8	11,5	8,5	37	19	12	14
S2050 1/4-1/4	R1/4	G1/4	15	11	46	23	13	44
S2050 3/8-3/8	R3/8	G3/8	15	11,5	48,5	25	16	59
S2050 1/2-1/2	R1/2	G1/2	17,5	14	60,5	31,5	20	81

Fittings Mod. S2060

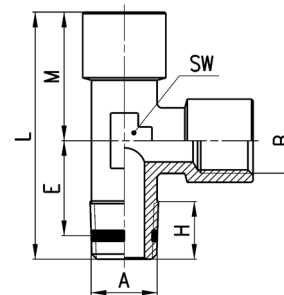
F.M.F. Tee Sprint®



DIMENSIONS							
Mod.	A	B	E	H	M	SW	Weight (g)
S2060 1/8-1/8	R1/8	G1/8	11,5	8,5	19	12	31
S2060 1/4-1/4	R1/4	G1/4	15	11	23	13	38
S2060 3/8-3/8	R3/8	G3/8	15	11,5	25	16	51
S2060 1/2-1/2	R1/2	G1/2	17,5	14	31,5	20	88

Fittings Mod. S2070

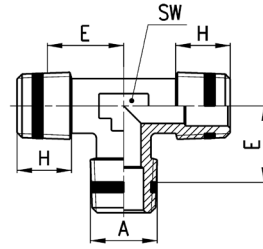
M.F.F. Tee Sprint®



DIMENSIONS								
Mod.	A	B	E	H	L	M	SW	Weight (g)
S2070 1/8-1/8	R1/8	G1/8	11,5	8,5	37	19	12	30
S2070 1/4-1/4	R1/4	G1/4	15	11	46	23	13	36
S2070 3/8-3/8	R3/8	G3/8	15	11,5	48,5	25	16	51
S2070 1/2-1/2	R1/2	G1/2	17,5	14	60,5	31,5	20	89

Fittings Mod. S2080

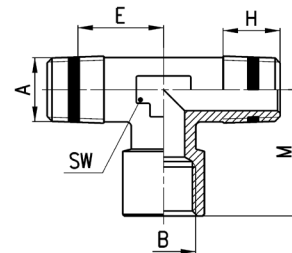
Male Tee Sprint®



DIMENSIONS					
Mod.	A	E	H	SW	Weight (g)
S2080 1/8	R1/8	11,5	7,5	9	14
S2080 1/4	R1/4	13,5	11	12	31
S2080 3/8	R3/8	15,5	11,5	14	50
S2080 1/2	R1/2	16	14	16	63

Fittings Mod. S2090

M.F.M. Tee Sprint®

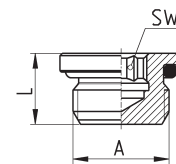


DIMENSIONS							
Mod.	A	B	E	H	M	SW	Weight (g)
S2090 1/8-1/8	R1/8	G1/8	11,5	8,5	19	12	22
S2090 1/4-1/4	R1/4	G1/4	15	11	23	13	16
S2090 3/8-3/8	R3/8	G3/8	15	11,5	25	16	59
S2090 1/2-1/2	R1/2	G1/2	17,5	14	31,5	20	80

Fittings Mod. 2612

New sizes

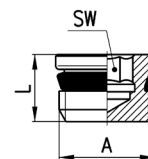
BSP Male Plug



DIMENSIONS				
Mod.	A	L	SW	Weight (g)
2612 M5	M5	5.5	2	1
2612 M7	M7	7	4	2
2612 1/8	G1/8	8.5	4	5
2612 1/4	G1/4	9.5	6	9
2612 3/8	G3/8	10.5	8	17
2612 1/2	G1/2	11.5	12	25

Fittings Mod. S2610

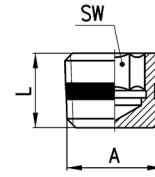
BSP Male Plug Sprint®



DIMENSIONS				
Mod.	A	L	SW	Weight (g)
S2610 1/8	G1/8	7.5	4	3
S2610 1/4	G1/4	9	6	6
S2610 3/8	G3/8	10	8	12
S2610 1/2	G1/2	11	10	21

Fittings Mod. S2615

BSPT Male Plug Tapper Sprint®



DIMENSIONS				
Mod.	A	L	SW	Weight (g)
S2615 1/8	R1/8	8	5	2
S2615 1/4	R1/4	10	7	6
S2615 3/8	R3/8	10	8	12

SERIES S2000 BRASS PIPE FITTINGS SPRINT®

Series 2000 brass pipe fittings

Fittings threads: metric (M5),
 BSP (G1/8, G1/4, G3/8, G1/2, G3/4, G1),
 BSPT (R1/8, R1/4, R3/8, R1/2, R3/4, R1)

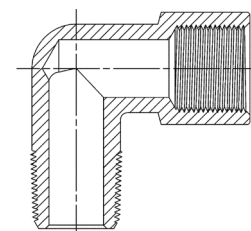


The wide range of Camozzi pipe fittings, which includes straight, L and Tee, Cross piece male or female couplings, guarantees the necessary support during the design of compressed air systems.

GENERAL DATA

Threads	GAS conical ISO 7 (BSPT) GAS cylindrical ISO 228 (BSP)
Temperature	-40°C ÷ 120°C
Medium	compressed air or other low pressure fluids
Materials	nickel-plated brass
Working pressure	80 bar

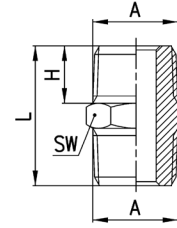
Pipe fittings



Fittings Mod. 2500



BSPT Nipple

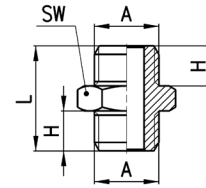


DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
2500 1/8	R1/8	7,5	19,5	12	9
2500 1/4	R1/4	11	27	14	16
2500 3/8	R3/8	11,5	28	17	21
2500 1/2	R1/2	14	33,5	22	41
2500 3/4	R3/4	16,5	40	27	80
2500 1	R1	19	45,5	34	125

Fittings Mod. 2501



Metric-BSP Nipple

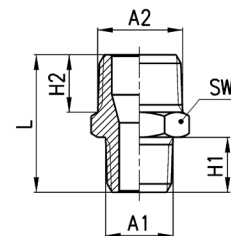


DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
2501 M5	M5	4	11,5	8	2
2501 1/8	G1/8	6	16,5	13	9
2501 1/4	G1/4	8	21	17	15
2501 3/8	G3/8	9	23	19	21
2501 1/2	G1/2	10	25,5	24	35

Fittings Mod. 2510



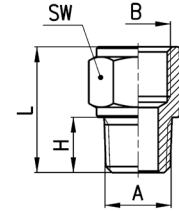
BSPT Reducing Nipple



DIMENSIONS							
Mod.	A1	A2	H2	H1	L	SW	Weight (g)
2510 1/8-1/4	R1/8	R1/4	11	7,5	23,5	14	14
2510 1/8-3/8	R1/8	R3/8	11,5	7,5	24	17	18
2510 1/4-3/8	R1/4	R3/8	11,5	11	27,5	17	20
2510 1/4-1/2	R1/4	R1/2	14	11	30,5	22	34
2510 3/8-1/2	R3/8	R1/2	14	11,5	31	22	34
2510 1/2-3/4	R1/2	R3/4	16,5	14	37,5	27	67

Fittings Mod. 2520

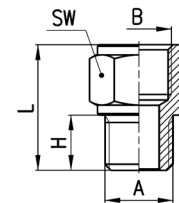
BSPT Male Reducing Extension



DIMENSIONS						
Mod.	A	B	H	L	SW	Weight (g)
2520 1/8-1/8	R1/8	G1/8	7,5	17,5	13	9
2520 1/8-1/4	R1/8	G1/4	7,5	19	17	15
2520 1/8-3/8	R1/8	G3/8	7,5	20	20	19
2520 1/4-1/4	R1/4	G1/4	11	22,5	17	17
2520 1/4-3/8	R1/4	G3/8	11	23,5	20	21
2520 1/4-1/2	R1/4	G1/2	11	27,5	24	35
2520 3/8-3/8	R3/8	G3/8	11,5	24	20	23
2520 3/8-1/2	R3/8	G1/2	11,5	28	24	37
2520 1/2-1/2	R1/2	G1/2	14	30,5	24	41

Fittings Mod. 2521

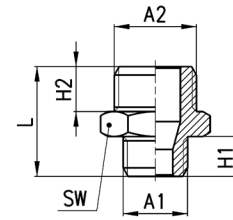
Metric-BSP Reducing Extension



DIMENSIONS						
Mod.	A	B	H	L	SW	Weight (g)
2521 M5-1/8	M5	G1/8	4	14	13	7
2521 1/8-1/8	G1/8	G1/8	6	16	13	8
2521 1/8-1/4	G1/8	G1/4	6	17,5	17	14
2521 1/8-3/8	G1/8	G3/8	6	18,5	20	30
2521 1/4-1/4	G1/4	G1/4	8	19,5	17	16
2521 1/4-3/8	G1/4	G3/8	8	20,5	20	20
2521 1/4-1/2	G1/4	G1/2	8	24,5	24	33
2521 3/8-3/8	G3/8	G3/8	9	21,5	20	22
2521 3/8-1/2	G3/8	G1/2	9	25,5	24	35
2521 1/2-1/2	G1/2	G1/2	10	26,5	24	36

Fittings Mod. 2511

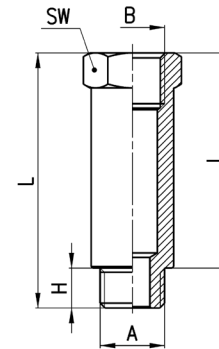
Metric-BSP Reducing Nipple



DIMENSIONS							
Mod.	A1	A2	H1	H2	L	SW	Weight (g)
2511 M5-1/8	M5	G1/8	4	6	14,5	13	8
2511 1/8-1/4	G1/8	G1/4	6	8	19	17	15
2511 1/8-3/8	G1/8	G3/8	6	9	20	19	19
2511 1/4-3/8	G1/4	G3/8	8	9	22	19	20
2511 1/4-1/2	G1/4	G1/2	8	10	23,5	24	32
2511 3/8-1/2	G3/8	G1/2	9	10	24,5	24	34

Fittings Mod. 2525

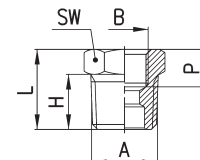
BSP Male Extension



DIMENSIONS							
Mod.	A	B	H	I	L	SW	Weight (g)
2525 1/8-16	G1/8	G1/8	6	16	22	13	12
2525 1/8-36	G1/8	G1/8	6	36	42	13	24
2525 1/4-27	G1/4	G1/4	8	27	35	17	30
2525 1/4-43	G1/4	G1/4	8	43	51	17	45

Fittings Mod. 2530

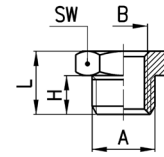
BSPT Reducing



DIMENSIONS							
Mod.	A	B	H	P (min)	L	SW	Weight (g)
2530 1/4-1/8	R1/4	G1/8	11	6	16	14	9
2530 3/8-1/8	R3/8	G1/8	11,5	8,5	16,5	17	17
2530 1/2-1/8	R1/2	G1/8	14	9,5	19,5	22	12
2530 3/8-1/4	R3/8	G1/4	11,5	7	16,5	17	34
2530 1/2-1/4	R1/2	G1/4	14	9,5	19,5	22	30
2530 1/2-3/8	R1/2	G3/8	14	8	19,5	22	24
2530 3/4-3/8	R3/4	G3/8	16,5	11,5	23	27	67
2530 3/4-1/2	R3/4	G1/2	16,5	9,5	23,5	27	48
2530 1-1/2	R1	G1/2	19	14	27	34	131

Fittings Mod. 2531

BSP Reducing

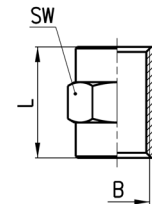


DIMENSIONS						
Mod.	A	B	H	L	SW	Weight (g)
2531 1/8-M5	G1/8	M5	6	10,5	13	8 *
2531 1/4-1/8	G1/4	G1/8	8	13	17	11 *
2531 3/8-1/8	G3/8	G1/8	9	14	19	17
2531 3/8-1/4	G3/8	G1/4	9	14	19	12 *
2531 1/2-1/8	G1/2	G1/8	10	15,5	24	32
2531 1/2-1/4	G1/2	G1/4	10	15,5	24	29
2531 1/2-3/8	G1/2	G3/8	10	15,5	24	22 *

* = with through-out thread

Fittings Mod. 2543

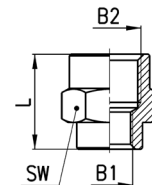
Sleeve



DIMENSIONS				
Mod.	B	L	SW	Weight (g)
2543 M5	M5	11	8	3
2543 1/8	G1/8	15	13	8
2543 1/4	G1/4	22	17	19
2543 3/8	G3/8	23	20	19
2543 1/2	G1/2	28	24	29

Fittings Mod. 2553

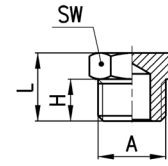
Reducing Sleeve



DIMENSIONS					
Mod.	B1	B2	L	SW	Weight (g)
2553 M5-1/8	M5	G1/8	13.5	13	7
2553 1/8-1/4	G1/8	G1/4	17	17	18
2553 1/8-3/8	G1/8	G3/8	18	20	18
2553 1/8-1/2	G1/8	G1/2	21.5	24	28
2553 1/4-3/8	G1/4	G3/8	21.5	20	21
2553 1/4-1/2	G1/4	G1/2	23	24	32
2553 3/8-1/2	G3/8	G1/2	24	24	31

Fittings Mod. 2611

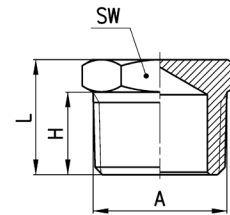
BSP Male Plug



DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
2611 M5	M5	4	7,5	8	2
2611 1/8	G1/8	6	10,5	13	7
2611 1/4	G1/4	8	13	17	13
2611 3/8	G3/8	9	14	19	18
2611 1/2	G1/2	10	15,5	24	31
2611 1	G1	13	19	38	76

Fitting Mod. 2610 3/4

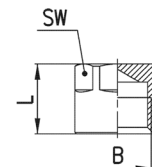
BSPT Male Plug



DIMENSIONS					
Mod.	A	H	L	SW	Weight (g)
2610 3/4	R3/4	16,5	23	27	61

Fittings Mod. 2613

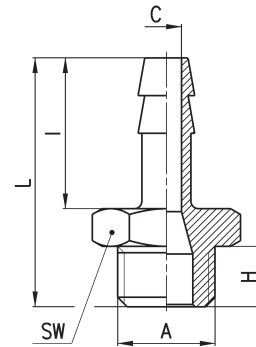
BSP Female Plug



DIMENSIONS				
Mod.	B	L	SW	Weight (g)
2613 1/8	G1/8	11	12	6
2613 1/4	G1/4	13,5	15	13
2613 3/8	G3/8	15,5	18	19
2613 1/2	G1/2	22,5	19	33

Fittings Mod. 2601

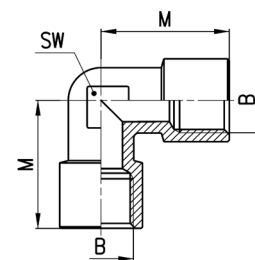
Metric-BSP Male Hose Adaptor



DIMENSIONS								
Mod.	N	A	C	H	I	L	SW	Weight (g)
2601 2-M5	2	M5	1,2	4	8	16	8	2
2601 4,5-M5	4	M5	2,5	4	15	23	8	3
2601 7-1/8	7	G1/8	4	6	20	30	12	9
2601 7-1/4	7	G1/4	4	8	20	33	17	16
2601 8-1/8	8	G1/8	5	6	20	30	12	10
2601 9-1/8	9	G1/8	5,5	6	20	30	12	11
2601 9-1/4	9	G1/4	6	8	20	33	17	17
2601 9-3/8	9	G3/8	6	9	20	34	19	21
2601 12-1/4	12	G1/4	8,5	8	20	33	17	20
2601 12-3/8	12	G3/8	9	9	20	34	19	23
2601 12-1/2	12	G1/2	9	10	20	35,5	24	34
2601 17-3/8	17	G3/8	12	9	24	38	19	31
2601 17-1/2	17	G1/2	13	10	24	39,5	24	41

Fittings Mod. 2013

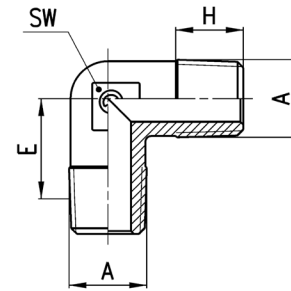
BSPT Female Elbow



DIMENSIONS				
Mod.	B	M	SW	Weight (g)
2013 1/8	G1/8	19	11	16
2013 1/4	G1/4	23	14	28
2013 3/8	G3/8	25	16	39
2013 1/2	G1/2	31,5	20	69

Fittings Mod. 2010

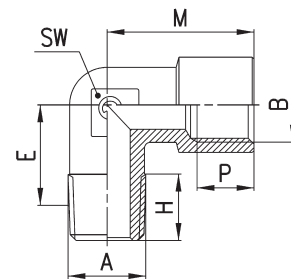
BSP Male Elbow



DIMENSIONS					
Mod.	A	E	H	SW	Weight (g)
2010 1/8	R1/8	11,5	7,5	9	10
2010 1/4	R1/4	13,5	11	12	18
2010 3/8	R3/8	15,5	11,5	14	28
2010 1/2	R1/2	16	14	16	47
2010 3/4	R3/4	19	16	25	103
2010 1	R1	23	17	30	183

Fittings Mod. 2021 and 2020

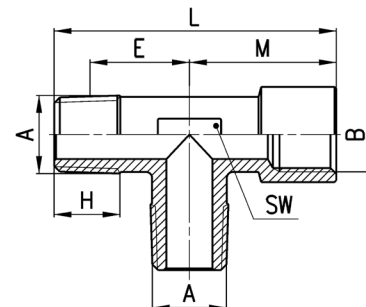
Mod. 2021: Metric Male Female Elbow
Mod. 2020: BSPT Male Female Elbow



DIMENSIONS								
Mod.	A	B	E	H	M	P (min)	SW	Weight (g)
2021 M5-M5	M5	M5	9	4	10,5	4,5	9	7
2020 1/8-1/8	R1/8	G1/8	11,5	8,5	19	6	11	17
2020 1/4-1/4	R1/4	G1/4	15	11	23	7	13	27
2020 3/8-3/8	R3/8	G3/8	15	11,5	25	8	15	33
2020 1/2-1/2	R1/2	G1/2	17,5	14	31,5	9,5	20	63
2020 3/4-3/4	R3/4	G3/4	19	16	36,5	16,5	25	126
2020 1-1	R1	G1	23	17	45	19	30	209

Fittings Mod. 2050

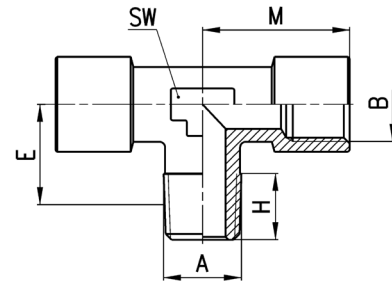
M.M.F. Tee



DIMENSIONS								
Mod.	A	B	E	H	L	M	SW	Weight (g)
2050 1/8-1/8	R1/8	G1/8	11,5	8,5	37	19	12	27
2050 1/4-1/4	R1/4	G1/4	15	11	46	23	13	35
2050 3/8-3/8	R3/8	G3/8	15	11,5	48,5	25	16	44
2050 1/2-1/2	R1/2	G1/2	17,5	14	60,5	31,5	20	83

Fittings Mod. 2060

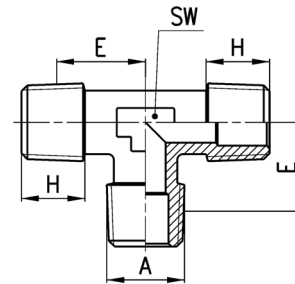
F.M.F. Tee



DIMENSIONS							
Mod.	A	B	E	H	M	SW	Weight (g)
2060 1/8-1/8	R1/8	G1/8	11,5	8,5	19	12	22
2060 1/4-1/4	R1/4	G1/4	15	11	23	13	38
2060 3/8-3/8	R3/8	G3/8	15	11,5	25	16	49
2060 1/2-1/2	R1/2	G1/2	17,5	14	31,5	20	89

Fittings Mod. 2080

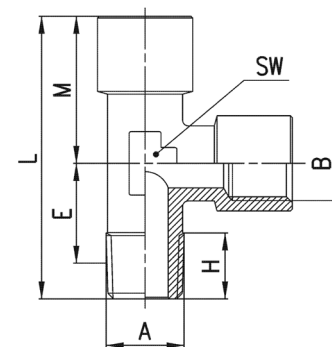
Male Tee



DIMENSIONS					
Mod.	A	E	H	SW	Weight (g)
2080 1/8	R1/8	11,5	7,5	9	14
2080 1/4	R1/4	13,5	11	12	25
2080 3/8	R3/8	15,5	11,5	14	39
2080 1/2	R1/2	16	14	16	82
2080 3/4	R3/4	19	16,2	25	135
2080 1	R1	23	17,5	30	239

Fittings Mod. 2070

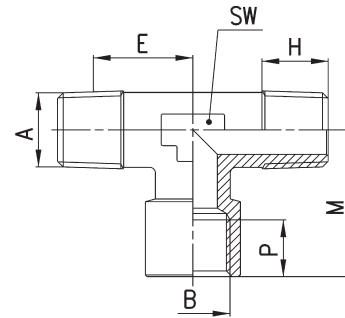
M.F.F. Tee



DIMENSIONS								
Mod.	A	B	E	H	L	M	SW	Weight (g)
2070 1/8-1/8	R1/8	G1/8	11,5	8,5	37	19	12	22
2070 1/4-1/4	R1/4	G1/4	15	11	46	23	13	37
2070 3/8-3/8	R3/8	G3/8	15	11,5	48,5	25	16	49
2070 1/2-1/2	R1/2	G1/2	17,5	14	60,5	31,5	20	89

Fittings Mod. 2090

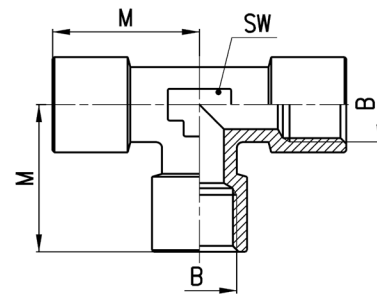
M.F.M. Tee



DIMENSIONS								
Mod.	A	B	E	H	M	P	SW	Weight (g)
2090 1/8-1/8	R1/8	G1/8	11,5	8,5	19	6	12	22
2090 1/4-1/4	R1/4	G1/4	15	11	23	7	13	37
2090 3/8-3/8	R3/8	G3/8	15	11,5	25	8	16	44
2090 1/2-1/2	R1/2	G1/2	17,5	14	31,5	9,5	20	83
2090 3/4-3/4	R3/4	G3/4	19	16	36,5	16,5	25	156
2090 1-1	R1	G1	23	17,5	45	19	30	262

Fittings Mod. 2003

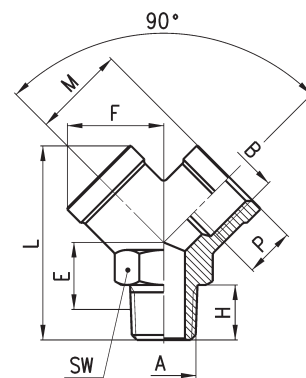
Female Tee



DIMENSIONS				
Mod.	B	M	SW	Weight (g)
2003 1/8	G1/8	19	12	23
2003 1/4	G1/4	23	13	39
2003 3/8	G3/8	25	16	54
2003 1/2	G1/2	31,5	20	97

Fittings Mod. 2040

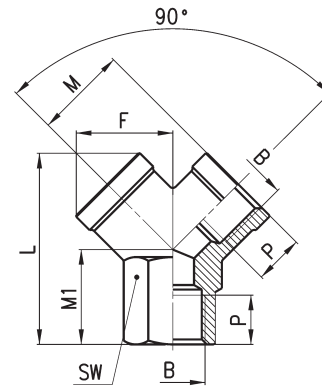
Y.F.M.F.



DIMENSIONS										
Mod.	A	B	E	F	H	L	M	P	SW	Weight (g)
2040 1/8-1/8	R1/8	G1/8	9,5	14,5	8	32	14	8	13	22
2040 1/4-1/4	R1/4	G1/4	12	18	11	38	17,5	11	17	38
2040 3/8-3/8	R3/8	G3/8	13,5	20,5	11,5	42,5	19	11,5	20	52
2040 1/2-1/2	R1/2	G1/2	15,5	26,5	14	53	24,5	14	25	110

Fittings Mod. 2043

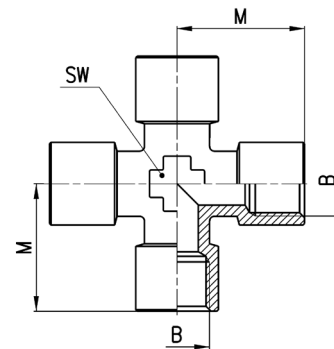
Female Y



DIMENSIONS								
Mod.	B	F	L	M	M1	P	SW	Weight (g)
2043 1/8	G1/8	14,5	26,5	14	12	8	13	18
2043 1/4	G1/4	18	32	17,5	14	11	17	32
2043 3/8	G3/8	20,5	37	19	16	11,5	20	44
2043 1/2	G1/2	26,5	45	24,5	19	14	25	84

Fittings Mod. 2033

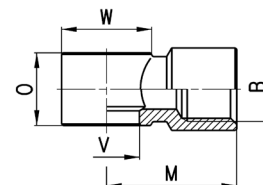
Female Cross



DIMENSIONS				
Mod.	B	M	SW	Weight (g)
2033 1/8	G1/8	19	12	27
2033 1/4	G1/4	23	14	51
2033 3/8	G3/8	25	16	70

Fittings Mod. 2023

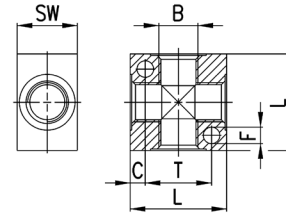
Single Thread Banjo



DIMENSIONS							
Mod.	B	M	O	V	W	Weight (g)	assembled with Mod.
2023 M5-M5	M5	10.5	9	5.1	9	6	1631
2023 M5-M6	M5	10.5	9	5.1	9	6	SCU, SVU, SCO...
2023 1/8-1/8	G1/8	20	14.5	9.8	∅ 14	14	1631, 1635, SCU, SVU, SCO...
2023 1/4-1/4	G1/4	23.5	14.5	13.2	∅ 18	21	1635, SCU, SVU, SCO...
2023 3/8-3/8	G3/8	26.5	14.5	16.7	∅ 21	27	1635, SCU, SVU, SCO...

Accessories Mod. 3033

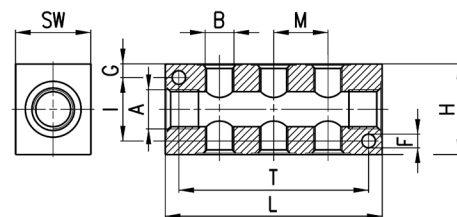
4 Ways Distribution Block with fixing holes
Material: anodized Aluminium



DIMENSIONS							
Mod.	B	C	F	L	T	SW	Weight (g)
3033 1/8	G1/8	4	4,5	25	17	16	18
3033 1/4	G1/4	5	5,5	32	22	20	35
3033 3/8	G3/8	7	5,5	40	26	25	73
3033 1/2	G1/2	8	5,5	50	34	30	137

Accessories Mod. 3043

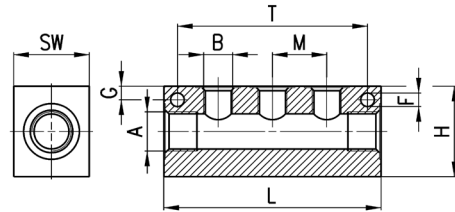
Manifold with double lateral outlets
Material: anodized Aluminium



DIMENSIONS												
Mod.	A	DOUBLE LATERAL OUTLETS	B	F	G	H	I	L	M	T	SW	Weight (g)
3043 1/4-3D-1/8	G1/4	3	G1/8	4.5	4.5	30	21	72	18	63	20	85
3043 1/4-4D-1/8	G1/4	4	G1/8	4.5	4.5	30	21	90	18	81	20	107
3043 1/4-5D-1/8	G1/4	5	G1/8	4.5	4.5	30	21	108	18	99	20	128
3043 1/4-6D-1/8	G1/4	6	G1/8	4.5	4.5	30	21	126	18	117	20	151
3043 3/8-3D-1/4	G3/8	3	G1/4	5.5	6	40	28	92	24	75	25	177
3043 3/8-4D-1/4	G3/8	4	G1/4	5.5	6	40	28	116	24	99	25	224
3043 3/8-5D-1/4	G3/8	5	G1/4	5.5	6	40	28	140	24	123	25	270
3043 3/8-6D-1/4	G3/8	6	G1/4	5.5	6	40	28	164	24	147	25	315
3043 1/2-3D-3/8	G1/2	3	G3/8	5.5	6.5	50	37	104	26	85	30	287
3043 1/2-4D-3/8	G1/2	4	G3/8	5.5	6.5	50	37	130	26	111	30	356
3043 1/2-5D-3/8	G1/2	5	G3/8	5.5	6.5	50	37	156	26	137	30	427
3043 1/2-6D-3/8	G1/2	6	G3/8	5.5	6.5	50	37	182	26	163	30	495

Accessories Mod. 3053

Manifold with lateral outlets
Material: anodized Aluminium



DIMENSIONS											
Mod.	A	SINGLE LATERAL OUTLETS	B	F	G	H	L	M	T	SW	Weight (g)
3053 1/4-3L-1/8	G1/4	3	G1/8	4,5	4,5	30	72	18	63	20	92
3053 1/4-4L-1/8	G1/4	4	G1/8	4,5	4,5	30	90	18	81	20	116
3053 1/4-5L-1/8	G1/4	5	G1/8	4,5	4,5	30	108	18	99	20	140
3053 1/4-6L-1/8	G1/4	6	G1/8	4,5	4,5	30	126	18	117	20	164
3053 3/8-3L-1/4	G3/8	3	G1/4	5,5	6	40	92	24	75	25	191
3053 3/8-4L-1/4	G3/8	4	G1/4	5,5	6	40	116	24	99	25	243
3053 3/8-5L-1/4	G3/8	5	G1/4	5,5	6	40	140	24	123	25	294
3053 3/8-6L-1/4	G3/8	6	G1/4	5,5	6	40	164	24	147	25	345
3053 1/2-3L-3/8	G1/2	3	G3/8	5,5	6,5	50	104	26	85	30	313
3053 1/2-4L-3/8	G1/2	4	G3/8	5,5	6,5	50	130	26	111	30	395
3053 1/2-5L-3/8	G1/2	5	G3/8	5,5	6,5	50	156	26	137	30	474
3053 1/2-6L-3/8	G1/2	6	G3/8	5,5	6,5	50	182	26	163	30	551

Series 5000 quick-release couplings

Nominal diameters: 5, 7 mm

Couplings threads: G1/8, G1/4, G3/8, G1/2

Plastic tubes: 6/4, 8/6, 10/8; rubber hoses: 6x14, 8x17, 10x19, 13x23



Series 5000 quick-release couplings are suitable in situations where, for plant engineering or safety reasons, the connection or disconnection of tubing must be repeated several times. These operations can be performed with no need to release the pressure and therefore a considerable amount of time can be saved.

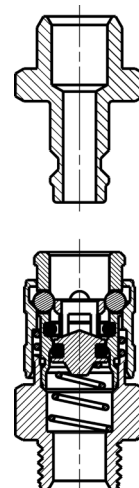
Series 5000 quick-release couplings with mini-profile DN 5 are compatible with couplings Rectus Series 21 - 90, Legris 21.

Series 5000 quick-release couplings with European profile DN 7 are compatible with couplings Cejn Series 320.

GENERAL DATA

Valve group	quick release valve
Construction	poppet type
Mounting	threaded
Thread	GAS cylindrical ISO 228 (BSP)
Materials	nickel-plated brass (hardened galvanized steel only for couplings with an "8" as third number in the code) - NBR seals
Connections	G1/8 - G1/4 - G3/8 - G1/2 for plastic tubes and rubber hose
Operating temperature	0°C ÷ 80°C (with dry air -20°C)
Operating pressure	- 0.99 ÷ 12 bar
Nominal pressure	6 bar
Nominal flow	see graph
Nominal diameter	5 or 7 mm
Fluid	compressed air and other low pressure fluids

Quick-release couplings



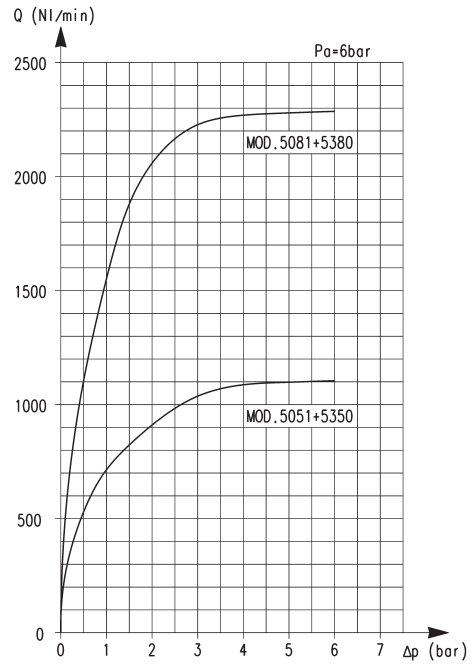
Flow rate diagram

The side diagram supplies some useful information about the most suitable model to be used in relation to the operating pressure and the required flow rate. The measurements were taken using the models indicated below and represent the ideal maximum flow rate conditions.

In case tubes of inferior quality are used, this might result in poorer performance.

Q (NL/min) = flow
 Δp (bar) = pressure variation

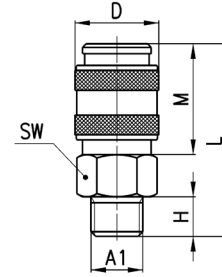
P_a (bar) = inlet pressure



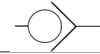
Fittings Mod. 5051 Series Mini and Mod. 5081 European Standard



BSP Male Quick Coupling



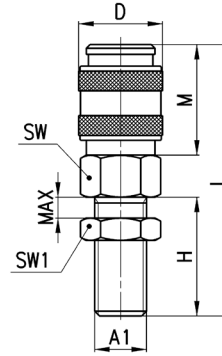
DIMENSIONS								
Mod.	A1	∅	D	H	L	M	SW	Weight (g)
5051 1/8	G1/8	5	17	6	35	20,5	14	28
5051 1/4	G1/4	5	17	8	37	20,5	17	37
5081 1/4	G1/4	7	25	8	47,5	34,5	22	93
5081 3/8	G3/8	7	25	9	48,5	34,5	22	92
5081 1/2	G1/2	7	25	10	49,5	34,5	24	107



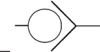
Fittings Mod. 5052 Series Mini and Mod. 5082 European Standard



BSP Male Quick Coupling Bulkhead



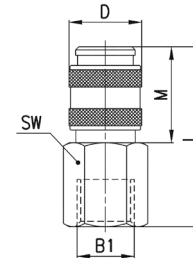
DIMENSIONS										
Mod.	A1	∅	D	H	L	M	max	SW	SW1	Weight (g)
5052 1/8	G1/8	5	17	23	52	20,5	12	14	14	38
5052 1/4	G1/4	5	17	24	53	20,5	12	17	17	52
5082 1/4	G1/4	7	25	24	63,5	34,5	12	22	17	103



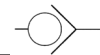
Fittings Mod. 5053 Series Mini and Mod. 5083 European Standard



BSP Female Quick Coupling



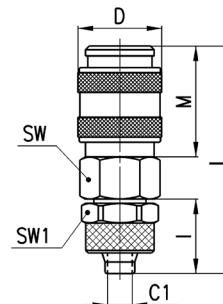
DIMENSIONS								
Mod.	B1	∅	D	L	M	SW	Weight (g)	
5053 1/8	G1/8	5	17	37,5	20,5	14	33	
5053 1/4	G1/4	5	17	39,5	20,5	17	44	
5083 1/4	G1/4	7	25	47,5	34,5	17	88	
5083 3/8	G3/8	7	25	49	34,5	20	93	
5083 1/2	G1/2	7	25	53	34,5	24	103	



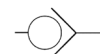
Fittings Mod. 5054 Series Mini and Mod. 5084 European Standard



Quick Coupling Push-on



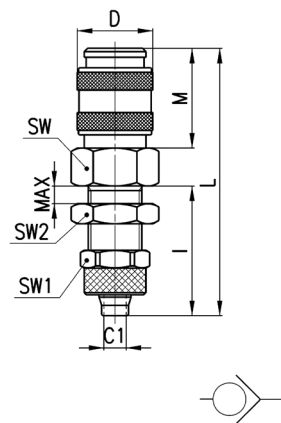
DIMENSIONS										
Mod.	Tube	∅	C1	D	I	L	M	SW	SW1	Weight (g)
5054 6/4	6/4	5	3	17	15	44	20,5	14	12	36
5054 8/6	8/6	5	5	17	15	44	20,5	14	14	38
5084 8/6	8/6	7	5	25	15	54,5	34,5	22	14	99
5084 10/8	10/8	7	6,5	25	16,5	56	34,5	22	16	103



Fittings Mod. 5055 Series Mini



Quick Coupling Bulkhead Push-on

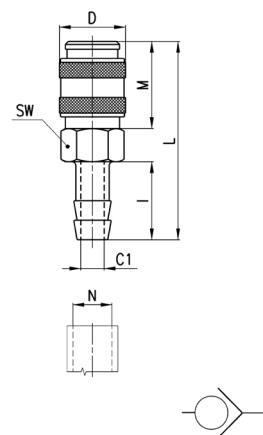


DIMENSIONS												
Mod.	Tube	∅	C1	D	I	L	M	Max	SW	SW1	SW2	Weight (g)
5055 6/4	6/4	5	3	17	29	58	20.5	10	14	12	14	44
5055 8/6	8/6	5	5	17	29	58	20.5	11	17	14	17	52

Fittings Mod. 5056 Series Mini and Mod. 5086 European Standard



Quick Coupling Hose Adapter

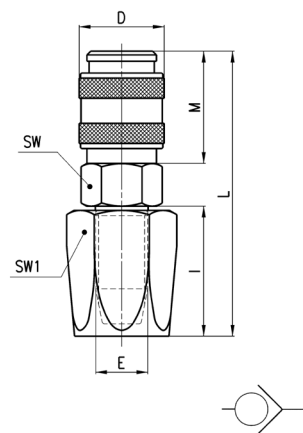


DIMENSIONS										
Mod.	N	∅	C1	D	I	L	M	SW	Weight (g)	
5056 06	6	5	3	17	20	49	20.5	14	30	
5056 09	9	5	5	17	20	49	20.5	14	32	
5086 09	9	7	5	25	20	59,5	34,5	22	95	
5086 12	12	7	8	25	20	59,5	34,5	22	96	

Fittings Mod. 5057 Series Mini and Mod. 5087 European Standard



Quick Coupling Hose Connector

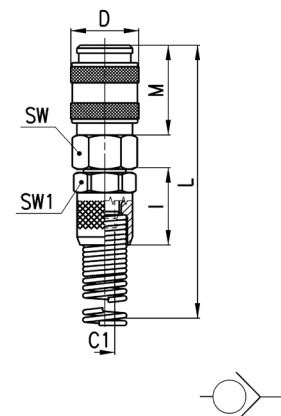


DIMENSIONS										
Mod.	Tube	∅	E	D	I	L	M	SW	SW1	Weight (g)
5057 6x14	6 x 14	5	9	17	25	54,5	20.5	17	17	62
5087 6x14	6 x 14	7	9	25	25	64,5	34,5	22	17	117
5087 8x17	8 x 17	7	10	25	25	64,5	34,5	22	19	123
5087 10x19	10 x 19	7	12	25	27	66,5	34,5	22	22	141
5087 13x23	13 x 23	7	15	25	37	76,5	34,5	22	27	195

Fittings Mod. 5058 Series Mini and Mod. 5088 European Standard



Quick Coupling with Spring

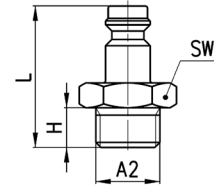


DIMENSIONS										
Mod.	Tube	∅	C1	D	I	M	L	SW	SW1	Weight (g)
5058 6/4	6/4	5	3	17	19	20.5	120.5	14	14	48
5058 8/6	8/6	5	5	17	19	20.5	124.5	14	14	54
5088 8/6	8/6	7	5	25	19	34,5	135	22	14	118
5088 10/8	10/8	7	6,5	25	21,5	34,5	139,5	22	16	125

Fittings Mod. 5150 Mini Profile and Mod. 5180 European Profile



Male Connector

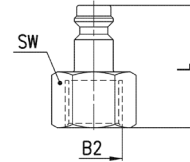


DIMENSIONS						
Mod.	A2	∅	H	L	SW	Weight (g)
5150 1/8	G1/8	5	6	26	13	12
5150 1/4	G1/4	5	8	28.5	17	19
5180 1/4	G1/4	7	8	33	17	21
5180 3/8	G3/8	7	9	34	19	26
5180 1/2	G1/2	7	10	35,5	24	34

Fittings Mod. 5350 Mini Profile and Mod. 5380 European Profile



Female Connector

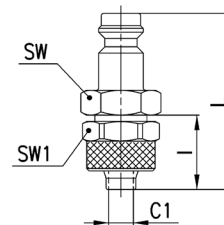


DIMENSIONS						
Mod.	B2	∅	L	SW	Weight (g)	
5350 1/8	G1/8	5	25,5	13	14	
5350 1/4	G1/4	5	27,5	17	18	
5380 1/4	G1/4	7	31,5	17	21	
5380 3/8	G3/8	7	32,5	19	23	
5380 1/2	G1/2	7	36,5	24	37	

Fittings Mod. 5450 Mini Profile and Mod. 5480 European Profile



Push-on Connector

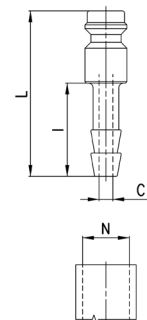


DIMENSIONS								
Mod.	Tube	∅	C1	l	L	SW	SW1	Weight (g)
5450 6/4	6/4	5	3	15	35	12	12	17
5450 8/6	8/6	5	5	15	35	13	14	22
5480 8/6	8/6	7	5	15	39,5	14	14	25
5480 10/8	10/8	7	6,5	16,5	41,5	17	16	33

Fittings Mod. 5650 aMini Profile and Mod. 5680 European Profile



Connector with Barb

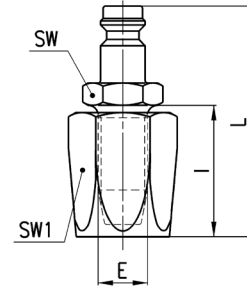


DIMENSIONS						
Mod.	N	∅	C1	l	L	Weight (g)
5650 06	6	5	3	20	35.5	8
5650 09	9	5	5	20	35.5	11
5680 06	6	7	3	20	40	14
5680 09	9	7	5	20	40	15
5680 12	12	7	7	20	40	19

Fittings Mod. 5750 Mini Profile and Mod. 5780 European Profile



Hose Connector

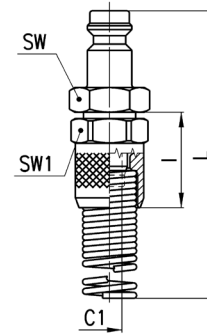


DIMENSIONS								
Mod.	Tube	∅	E	I	L	SW	SW1	Weight (g)
5750 6x14	6 X 14	5	9	25	45	14	17	40
5780 6x14	6 X 14	7	9	25	50	14	17	44
5780 8x17	8 X 17	7	10	25	50	14	19	50
5780 13x23	13 X 23	7	15	37	62	19	27	123

Fittings Mod. 5850 Mini Profile and Mod. 5880 European Profile



Connector with Spring



DIMENSIONS								
Mod.	Tube	∅	C1	I	L	SW	SW1	Weight (g)
5850 6/4	6/4	5	3	19	111,5	12	12	27
5850 8/6	8/6	5	5	19	116	14	14	40
5880 8/6	8/6	7	5	19	120	14	14	44
5880 10/8	10/8	7	6,5	21,5	125	17	16	55

New

Series 5000L and 5000LT quick-release couplings for the conditioning of moulds for plastics

Nominal diameters: 5, 7 mm

Couplings threads: G1/8, G1/4, G3/8



The Series 5000L and 5000LT couplings have been designed to connect tubes for water, air or oil, used within plastic injection and die casting moulds.

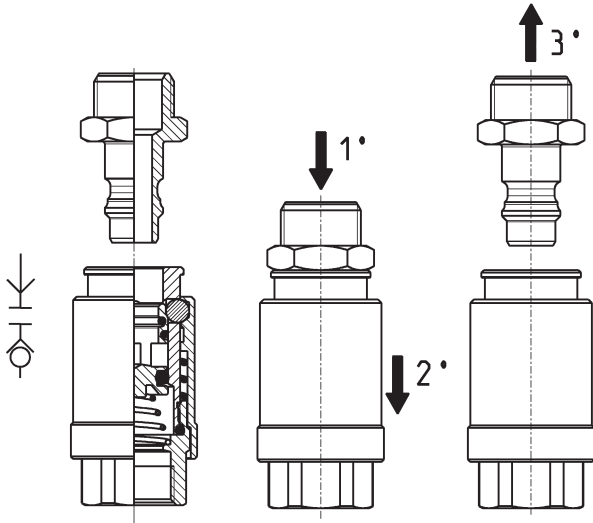
The Series 5000L and 5000LT couplings provide a quick connection and disconnection method for the replacement of heating and conditioning tubes directed towards the mould, as well as tubes coming from water collectors or sources.

- » Series 5000L couplings: without through-hole
- » Series 5000LT couplings: with through-hole

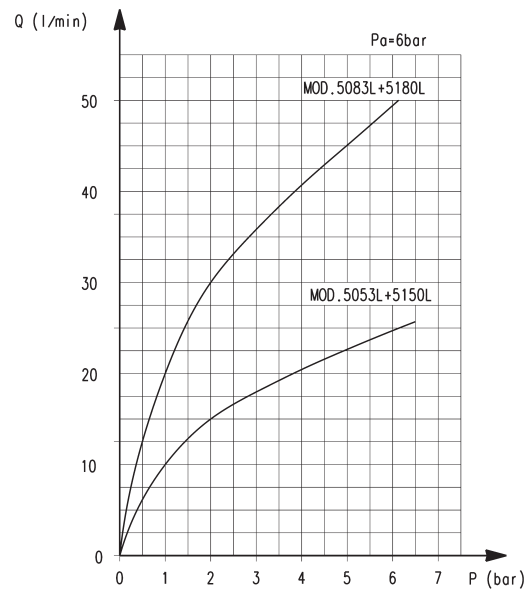
GENERAL DATA

Valve group	quick-release valve
Construction	poppet
Mounting	by means of threading
Threadings	GAS cylindrical ISO 228 (BSP)
Threads	G1/8 - G1/4 - G3/8
Materials	Internal/external parts in brass Springs and balls in stainless steel Seals in FKM
Operating temperature	-15°C ÷ 140°C (200°C with oil)
Operating pressure	-0.99 ÷ 12 bar
Nominal pressure	6 bar
Nominal flow	see flow diagrams on the following page
Nominal diameter	ø5 - ø7
Media	water, air and oil

Couplings type "L" - operating principle and flow diagram



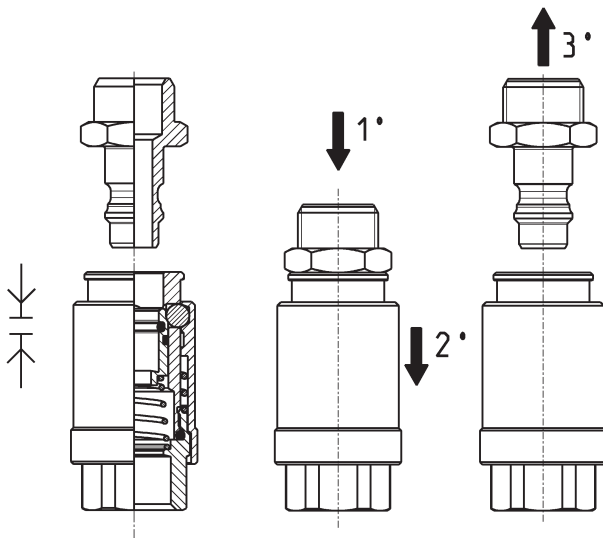
The female release couplings are designed to avoid accidental uncoupling. In fact uncoupling can only occur by pressing the male coupling inwards (1°), then the nut of the female coupling (2°) and finally pull the male coupling outwards (3°). The female couplings are realized to prevent any fluid leakage during connection and disconnection.



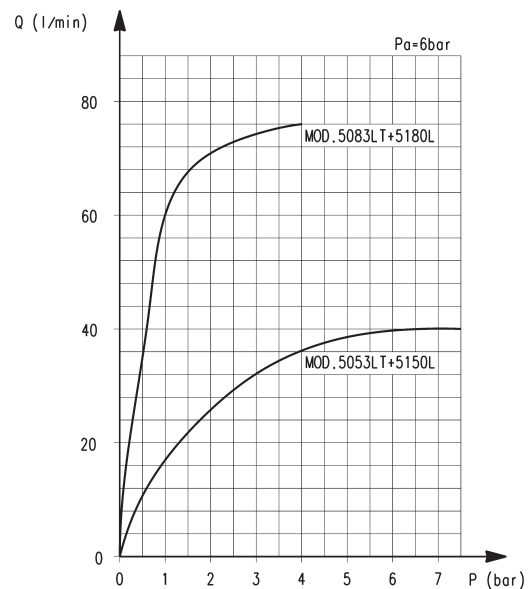
Q (l/min) = flow - P (bar) = load loss
Pa (bar) = inlet pressure

The diagram helps users choose the most suitable model in relation to the operating pressure and the required flow rate. The measurements were taken using the models indicated and represent the ideal max flow rate conditions. In case tubes of inferior quality are used, this might result in poorer performance.

Couplings type "LT" - operating principle and flow diagram



The female release couplings are designed to avoid accidental uncoupling. In fact uncoupling can only occur by pressing the male coupling inwards (1°), then the nut of the female coupling (2°) and finally pull the male coupling outwards (3°). For applications requiring a higher flow rate, the female coupling version with through hole is available. This solution allows a higher fluid flow but doesn't prevent fluid leakage during disconnection.



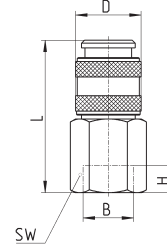
Q (l/min) = flow - P (bar) = load loss
Pa (bar) = inlet pressure

The diagram helps users choose the most suitable model in relation to the operating pressure and the required flow rate. The measurements were taken using the models indicated and represent the ideal max flow rate conditions. In case tubes of inferior quality are used, this might result in poorer performance.

Fittings Mod. 5053L and 5053LT



BSP female quick-coupling



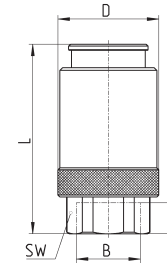
Mod.	B	D	H min	L	SW	weight (g)	Symbol
5053L 1/8	G1/8	17	6	37	14	34	VNR3
5053L 1/4	G1/4	17	7	39	17	44	VNR3
5053LT 1/8	G1/8	17	6	37	14	34	VNR2
5053LT 1/4	G1/4	17	7	39	17	44	VNR2



Fittings Mod. 5083L and 5083LT



BSP female quick-coupling



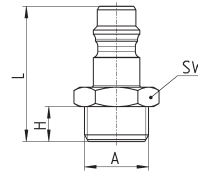
Mod.	B	D	H min	L	SW	weight (g)	Symbol
5083L 1/4	G1/4	26	10	47.5	17	104	VNR3
5083L 3/8	G3/8	26	8	49	20	110	VNR3
5083LT 1/4	G1/4	26	10	47.5	17	104	VNR2
5083LT 3/8	G3/8	26	8	49	20	110	VNR2



Fittings Mod. 5150L and 5180L



Male connector



Mod.	A	H	L	SW	weight (g)
5150L 1/8	G1/8	6	26.5	13	11
5150L 1/4	G1/4	8	29	17	17
5180L 1/4	G1/4	8	34	17	21
5180L 3/8	G3/8	9	35	19	25



Series T, MPL, PNZ tubing, spirals and accessories

Tubes: reinforced PVC, Polyamide (PA) 12, Hytrel Polyester, Polyethylene (PE), Polyurethane (PU).

Diameters: 4/2, 5/3, 6/4, 8/6, 10/8, 12/10, 15/12,5 mm



Camozzi offers a range of tubes and spirals with specific features which are suitable for several technical requirements.

Thanks to high-quality raw materials and with a low specific weight, these products are very small and lightweight. They also show high resistance against stress and flexural vibrations.

The high specularity of internal surfaces for the fluid passage (roughness of about 6 micron) allows to reduce the loosening of loads and to reach very high flows with same diameters.

Technopolymers used are particularly resistant to aging, thus ensuring the product a very long life.

Tubes Mod. PV



Tubes in reinforced PVC

Standard colour: Blue

Mod.	D/d	Max pressure at 20°C (bar)	Weight (g/m)	Bend radius (mm)	Lot (m)
PV 6/4	6/4	40	22	50	50
PV 8/6	8/6	38	30	60	50
PV 10/8	10/8	30	40	65	50
PV 12/10	12/10	24	56	80	50
PV 15/12,5	15/12,5	18	70	90	50

Tubes Mod. TRN



Tubes in polyamide PA12

Standard colour: Neutral

Colours available on request:

Blue - Red - Green - Black - Yellow

Mod.	D/d	Max pressure at 23°C (bar)	Weight (g/m)	Bend radius (mm)	Lot (m)
TRN 4/2	4/2	44	9.7	16	100
TRN 5/3	5/3	33	12.9	20	100
TRN 6/4	6/4	28	16.2	30	100
TRN 8/6	8/6	20	22.6	40	100
TRN 10/8	10/8	16	29.1	60	50
TRN 12/10	12/10	12	35.6	85	50

Tubes Mod. TRH



Tubes in Hytrel polyester

Standard colour: Blue

Colours available on request:

Red - Green - Black - Yellow - White

Mod.	D/d	Max pressure at 23°C (bar)	Weight (g/m)	Bend radius (mm)	Lot (m)
TRH 4/2-Z	4/2	32	11.5	16	100
TRH 5/3-Z	5/3	27	15.3	25	100
TRH 6/4-Z	6/4	21	19.2	35	100
TRH 8/6-Z	8/6	15	26.8	65	100
TRH 10/8-Z	10/8	12	34.5	100	50
TRH 12/10-Z	12/10	10	42.1	125	50

Tubes Mod. TPE



Tube in low density polyethylene

Standard colour: Neutral
Colours available on request: Blue

Mod.	D/d	Max pressure at 23°C (bar)	Weight (g/m)	Bend radius (mm)	Lot (m)
TPE 5/3	5/3	17	11.3	23	100
TPE 6/4	6/4	13	14.1	32	100
TPE 8/6	8/6	10	19.8	43	100
TPE 10/8	10/8	7	25.4	76	100

Tubes Mod. TPC



Tubes in Polyurethane 98 Shore

Standard colour: Grey RAL 7012

Mod.	D/d	Max pressure at 23°C (bar)	Weight (g/m)	Bend radius (mm)	Lot (m)
TPC 4/2	4/2	19	11.5	11	100
TPC 6/4	6/4	13	19.2	18	100
TPC 8/6	8/6	9	26.8	35	100
TPC 10/8	10/8	7	34.5	45	100
TPC 12/8	12/8	9	76.6	50	100

Tubes Mod. TSP



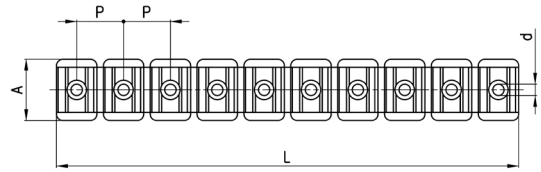
Spiral in Rilsan (PA 11)

Standard colour: Blue
Other colours available on request

Mod.	D/d	max pressure at 20°C (bar)	External Ø	Closed length (mm)	Open length (mm)
TSP 6/4	6/4	20	64	1000	15000
TSP 8/6	8/6	14	86	1000	15000
TSP 10/8	10/8	11	102	1050	15000
TSP 12/10	12/10	9	126	1050	15000

Plastic tubes clamps Mod. MPL

Colour: Blue



Mod.	Tube Ø	L	A	d	P	Number of positions
MPL-4	4	114	19	2.8	11.7	10
MPL-6	6	114	19	2.8	11.7	10
MPL-8	8	143	19	3.8	14.6	10
MPL-10	10	172	19	5.3	17.4	10
MPL-12	12	162	19	5.3	20.5	8
MPL-14	14	180	19	5.3	22.5	8

Tube cutter tool Mod. PNZ... and PNZP-12

Tubes cutter Mod. PNZ...: replacement blades can be ordered separately.

Tubes cutter Mod. PNZP-12: plastic.



PNZ-...

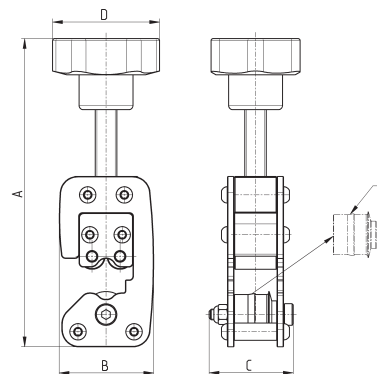


PNZP-12

Mod.	
PNZ-12	able to cut tubes with Ø up to 12 mm
PNZ-25	able to cut tubes with Ø up to 25 mm
PNZP-12	able to cut tubes with Ø up to 12 mm

Grooving tool for metallic tubes

New



Mod.	Tube Ø	A (max)	B	C	D	Weight (g)	E (spare wheel)
8TRT 4	4	138	43.5	39	50	450	RTRT 4
8TRT 6	6	140	43.5	39	50	450	RTRT 6
8TRT 8	8	143	44	39	50	450	RTRT 8
8TRT 10	10	145	44	39	50	450	RTRT 10
8TRT 12	12	147	44.5	39	50	450	RTRT 12
8TRT 14	14	149	45	39	50	450	RTRT 14
8TRT 16	16	151	45	39	50	450	RTRT 16

Quality: our priority commitment

Research, technological innovation, training, respect for personnel, employee and environmental safety and total customer care are all factors that Camozzi considers strategic in the achievement of quality.

To Camozzi quality is a system that ensures excellence, not only of the final product but throughout the entire business process.



QUALITY: OUR PRIORITY COMMITMENT

Our certifications

Camozzi's main goals include quality and safety, the protection of the environment and compatibility of our activities with the territories in which they are performed.

Since 1993 Camozzi has been certified in accordance with the ISO 9001 standard for quality management. In 2003 the company obtained ISO 14001 certification for environmental management.

In the same year, DNV, the global quality assurance and risk management company, certified Camozzi's Integrated Management System, which includes both ISO 9001 and ISO 14001 standards. Furthermore, in 2013 Camozzi obtained ISO/TS 16949 certification for the Series C-Truck and Series 9000 fuel fittings, then transitioned to the new edition of the IATF 16949 standard in 2018.

From 1 July 2003, all products sold in the European Union and destined to be used in potentially explosive areas, had to be approved according to directive 94/9/CE, also known as ATEX.

This directive covered both electrical and non-electrical parts, including for instance pneumatic power and control equipment.

Mandatory directives

- Directive 99/34/EC concerning liability for defective products modified by Legislative Decree 02/02/01 n° 25.
- Directive 2014/35/EU "Equipment designed for use within certain voltages".
- Directive 2014/30/EU "Electromagnetic Compatibility EMC" and relative additions.
- Directive 2014/34/EU "Atex".
- Directive 2006/42/EC "Machinery".
- Directive 2014/68/EU "Pressure Equipment Directive".
- Directive 2001/95/EC "General product safety".
- Regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Technical standards

- ISO 4414 - Pneumatic fluid power - General rules and safety requirements for systems and their components

Environmental notes

- Packaging: we respect the environment, so use materials which can be recycled, including recyclable PE and paper.
- Green Design Project: in the study of new products, the environmental impact is always taken into consideration (real project, elaboration, etc.).

Information for the use of Camozzi products

In order to ensure proper functioning of Camozzi products these general guidelines should be noted.

Air quality

While resources such as electricity, water and gas are normally supplied by external companies to guaranteed standards, compressed air is produced from the ambient atmosphere. It is therefore the user that has to guarantee compressed air quality.

High quality air is essential for proper functioning of pneumatic systems. One cubic metre of air at atmospheric pressure typically contains the following:

- more than 150 million solid particles with dimensions from 0,01 µm to 100 µm,
- fumes due to combustion,
- water vapour, with volume depending on temperature; at 30° there are about 30 g/m³ of water
- oil, up to about 0,03 mg
- micro organisms
- plus a variety of chemical contaminants, odours etc ...

The further the air is compressed, the higher the air quantity in the same volume and therefore the higher the amount of contaminants.

In order to reduce unwanted contents, compressors are fitted with filters, driers and oil separators at the inlet and outlet.

In spite of these precautions, the air, during its passage along pipes and tubes or while in storage tanks, can collect contaminants such as flakes of rust. Further, water vapour contained in the air can cool down and liquefy, then absorb and retain oil fumes.

For this reason it is advisable to fit compressed air systems and pneumatic machinery with air treatment equipment.

Air treatment: classification according to ISO 8573-1-2010 standard

ISO 8573-1-2010 Class	Solid particles			Max Concentration mg/m ³	Water		Oil Total content (liquid, aerosol and vapour) mg/m ³
	Max. Number of Particles per m ³ 0,1 - 0,5 µm	0,5 - 1 µm	1 - 5 µm		Water pressure dew point °C	Liquid g/m ³	
0	More strict than class 1, defined by the device user						
1	≤ 20,000	≤ 400	≤ 10	-	≤ - 70°	-	≤ 0,01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ - 40°	-	≤ 0,1
3	-	≤ 90,000	≤ 1,000	-	≤ - 20°	-	≤ 1
4	-	-	≤ 10,000	-	≤ + 3°	-	≤ 5
5	-	-	≤ 100,000	-	≤ + 7°	-	-
6	-	-	-	≤ 5	≤ + 10°	-	-
7	-	-	-	5 - 10	-	≤ 0,5	-
8	-	-	-	-	-	0,5 - 5	-
9	-	-	-	-	-	5 - 10	-
X	-	-	-	> 10	-	> 10	-

Different types of air treatment equipment have different functions: isolation valves, pressure regulators, soft-start valves and of course filters. In some applications lubricators are still used, but this is increasingly unusual. Regarding filtering, there are international standards, such as ISO 8573-1-2010, that classify air according to its quality.

ISO 8573-1-2010 classifies compressed air according to the presence of three contaminating categories: solid particles, water or water vapour, and concentration of micro mist or oil vapours. In general, if not specified otherwise in the characteristics of the single component, Camozzi products require an ISO 8573-1-2010 class 7-4-4 air quality.

- **class 7** = air has a maximum concentration of SOLID PARTICLES of 5 mg/m³. The filtering elements are designed to separate solid particles with a dimension of more than 25 µm.

The air exiting from our filters and therefore the air at the inlet of all other components can contain solid particles with a maximum concentration of 5 mg/m³ and with a maximum dimension of 25 µm.

- **class 4** = the compressed AIR temperature has to be ≤ 3°C in order for entrained water vapour to condense and become liquid. Conventional filters have characteristics that separate the humidity in the air only if it is in a liquid or near-liquid state. It is the cooling of the air that enables condensation and removal of water vapour.

The air flow entering the bowl of the filter sustains a minimum expansion phase, (according to the Gas Law when gas suddenly expands, its temperature drops) followed by a vortex, this enables the heavier particles and the water vapour (condensing due to the expansion) to adhere to the sides of the bowl and slide down towards the drain.

Except for specific versions, users of Camozzi filters have to install driers in their compressed air production systems that, by cooling the air, dehumidify it.

- **class 4** = the concentration of OIL PARTICLES must be of maximum 5 mg/m³. It should be noted that compressors use oil for lubrication and that this can be carried into the compressed air system in the form of aerosol, vapour or liquid.

This oil, as with all other contaminants, can be transported by the air into the pneumatic circuit. It can then contact the seals of the components and subsequently pass into the environment through the outlets of the solenoid valves. In this case coalescing filters are used to aggregate those micro-molecules of oil suspended in the air and remove them.

The use of Camozzi coalescing filters enable to reach classes 2 and 1.

It is important to keep in mind that best performance is reached only by means of a multi-phase filtering process with subsequent phases.

As illustrated, different filters have different characteristics - a very efficient filter for a certain contaminant may not be so effective for other contaminants.

The filtering elements determine the class of the filters, these elements should be replaced after a specified period or after a specified number of working hours. These parameters vary according to the characteristics of the incoming air.

Camozzi filters are subdivided into different groups:

- Filtering element of 25 µm, class 7-8-4
- Filtering element of 5 µm, class 6-8-4
- Filtering element of 1 µm, class 2-8-2 with pre-filter class 6-8-4
- Filtering element of 0,01 µm, class 1-8-1 with pre-filter class 6-8-4 residual oil content of 0,01 mg/m³
- Activated carbon, class 1-7-1 with pre-filter class 1-8-1 residual oil content of 0,003 mg/m³

The components are factory greased with special products and do not need an additional lubrication. In case it should be necessary, use ISO VG 32 oil. The quantity of oil introduced into the circuit depends on the applications. Camozzi suggests a maximum dosage of three drops per minute.

Pneumatic cylinders

The choice of the correct cylinder mounting and also that of the rod attachment to any moving parts, are as important as the control of parameters relating to speed, mass and radial loads.

The control of these parameters has to be guaranteed by the user. The location of position sensors (reed switches), and their switching response times to magnetic fields, is dependent upon the type and bore size of the cylinder and the appropriate precautions need to be taken when fixing these items. (see notes on the pages about sensors).

We do not advise the use of a cylinder as a shock absorber or for pneumatic cushioning. If used at the maximum speed, we recommend gradual deceleration to avoid a violent impact between piston and the cylinder end cover.

As a general value, we calculate a maximum average speed of 1 m/sec. In this case no lubrication is required as the lubrication introduced during assembly is sufficient to guarantee good operation.

If faster speeds are required, we suggest lubrication in the quantities described above.

Directive ATEX 2014/34/EU: Products classified for the use in potentially explosive atmospheres



Since 19 April 2016 all products which are sold in the European Union and destined to be used in **potentially explosive atmospheres** have had to be approved according to new Directive 2014/34/EU, also known as ATEX. This Directive applies to both electrical and non-electric items, such as pneumatic drives.

Main changes introduced by Directive 2014/34/EU:

- Non-electric apparatus and devices, such as pneumatic cylinders, have to comply with the Directive.
- Equipment is classified into different categories, which identifies the potentially explosive zones in which they may be used.
- The products are identified with the CE mark Ex.
- The instructions for use and the declarations of conformity should be supplied with each product that is to be used in potentially explosive zones.
- The Directive applies to products intended to be used in zones that are potentially explosive due to the presence of dust as well as to zones where potentially explosive gases may be present.

A potentially explosive atmosphere could be composed of gas, mist, steam or dust, which may be present constantly, intermittently or created by processes conducted within the zone. An explosion can occur when there are one or more inflammable substances plus an ignition source present.

An ignition source could be:

- Electrical (electric arcs, induced current, heat generated by the Joule effect, i.e. heat created when an electric current flows through a resistance.)
- Mechanical (heat between surfaces caused by friction, sparks generated by the collision of metallic bodies, electrostatic discharges, adiabatic compression, i.e. compression of an atmosphere causing a temperature rise)
- Chemical (exothermic reactions between materials)
- Naked flames. The products which are subject to approval are those which, during their normal use or because of a malfunction, present one or more ignition sources within a potentially explosive atmosphere.

The manufacturer has to guarantee that the product conforms to the declarations and carries the appropriate markings. Moreover, the product should always be accompanied by the appropriate instructions.

The maker and/or user of the equipment should identify the risk zone(s), as defined by Directive 99/92/CE, in which the products are to be used and ensure all instructions are followed.

In the case where a product is made up of two or more components with different markings, the component which is classified in the lowest category defines the class to which the complete product belongs.

Example:
solenoid suitable for Category 3 marked ...
Ex - II 3 Ex...

and valve suitable for Category 2 ...
Ex - II 2 Ex...

The valve unit with solenoid can be used only in Category 3 or Zone 2/22.

Zones, groups and categories

In the places and for the types of equipment subject to Directive 99/92/CE, the user should identify the classification of the zones in relation to the danger of the creation of explosive atmospheres because of the presence of gas or dust.

Apparatus and equipment for the use in potentially explosive zones are divided in groups:

Group I > apparatus used in mines

Group II > apparatus used in installations above ground

Group I: Apparatus used in mines

CATEGORY M1
Functioning in explosive atmospheres

CATEGORY M2
Non-supplied equipment in explosive atmospheres

Group II: Apparatus for installations above ground

Product category	Gas	Dust
1	Zone 0	Zone 20
2	Zone 1	Zone 21
3	Zone 2	Zone 22

Classification of zones according to Directive 99/92/CE

- Category 1**
- Zone 0 - Area in which (permanently, for long periods or often) an explosive atmosphere is present, consisting of a mixture of air and inflammables in the form of gas, vapour or mist.
 - Zone 20 - Area in which (permanently, for long periods or often) an explosive atmosphere is present in the form of a dust/powder cloud which is combustible in air.
- Category 2**
- Zone 1 - Area in which, during normal activities, the formation of an explosive atmosphere is probable, consisting of a mixture of air and inflammables in the form of gas, vapours or mist.
 - Zone 21 - Area in which occasionally during normal activities the formation of an explosive atmosphere is probable, in the form of a dust cloud which is combustible in air.
- Category 3**
- Zone 2 - Area in which, during normal activities, the formation of an explosive atmosphere, consisting of a mixture of air and inflammables in the form of gas, vapour or mist is not probable and, whenever this should occur, it is only of a short duration.
 - Zone 22 - Area in which, during normal activities, the formation of an explosive atmosphere in the form of a combustible dust cloud is not probable and, whenever this should occur, it is only of a short duration.

Example of Marking: $\text{Ex} \text{II} 2 \text{GD} \text{c} \text{T}100^\circ\text{C} (\text{T}5) -20^\circ\text{C} \leq \text{Ta} \leq 60^\circ\text{C}$

II	II Group: Devices which are to be used in spaces exposed to risks of an explosive atmosphere, different from underground spaces, mines, tunnels, etc., classified according to the criteria in Annex I of the Directive 2014/34/EU (ATEX).
2	Category: Devices designed to function in compliance with the operational parameters determined by the manufacturer and guarantee a high protection level.
GD	Qualification gas and dusts: Protected against gas (G) and explosive dusts (D).
c	Non-electrical devices: Non-electrical devices for potentially explosive atmospheres. Protection through constructive security.
T 100°C	Max. temperature for components for dusts: Max. superf. temp. of 100°C regarding potential hazards resulting from striking within the vicinity of hazardous dusts.
T5	Max. temperature for components for gas: Max. superf. temp. of 100°C regarding potential hazards which may result from striking within gas environments.
Ta	Environmental temperature: -20°C ≤ Ta ≤ 60°C . Environmental temperature range (with dry air)

Group I: Temperature classes
 Temperature = 150°C or = 450°C according to the level of dust on the apparatus.

Group II: Temperature classes

Temp. classes for gas (G)	Admissible surface temperatures
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

ATEX certified Camozzi products

APPARATUS classified as ATEX Group II

Cylinders

Series	Category	Zone	Gas/Dust
16*	2 DE-3 SE	1/21 DE -2/22 SE	G/D
24*	2 DE-3 SE	1/21 DE-2/22SE	G/D
25*	2 DE-3 SE	1/21 DE-2/22SE	G/D
31-32	2 DE-3 SE	1/21DE-2/22SE	G/D
31-32 Tandem/multi-position	2 DE	1/21 DE	G/D
40*	2 DE	1/21 DE	G/D
41*	2 DE	1/21 DE	G/D
60*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
61*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
62*	2 DE	1/21 DE	G/D
63*	2 DE-3 SE	1/21 DE-2/22 SE	G/D
27	2 DE	1/21 DE	G/D
QP-QPR	2 DE-3 SE	1/21 DE-2/22 SE	G/D
QN	3 SE	2/22 SE	G/D
42	2 DE-3 SE	1/21 DE-2/22 SE	G/D
ARP	2	1/21	G/D
QCT-QCB-QXT-QXB	2	1/21	G/D

Proximity switches

Series	Category	Zone	Gas/Dust
CSH/CST/CSV	3	2/22	G/D
CSG	3	2/22	G/D

Valves

Series	Category	Zone	Gas/Dust
P	3	2/22	G/D
W	3	2/22	G/D
Y	3	2/22	G/D

Solenoids

Series	Category	Zone	Gas/Dust
U70	3	2/22	G/D
H801**	2	1/21	G/D

Pressure switches

Series	Category	Zone	Gas/Dust
PM 11**	1	0/20	G/D

Freely installable COMPONENTS classified as ATEX Group II

Products

Products	Category	Zone	Gas/Dust
Silencers	2	1/21	G/D
Quick release couplings	2	1/21	G/D
Manifolds	2	1/21	G/D
Sub-bases	2	1/21	G/D
Feet	2	1/21	G/D
Caps	2	1/21	G/D
Plates	2	1/21	G/D

FRL

Series	Category	Zone	Gas/Dust
MC#	2	1/21	G/D
N	2	1/21	G/D
MX#	2	1/21	G/D
T	2	1/21	G/D
CLR	2	1/21	G/D
M	2	1/21	G/D
MD#	2	1/21	G/D

Valves

Series	Category	Zone	Gas/Dust
9#*	2	1/21	G/D
A#	2	1/21	G/D
2	2	1/21	G/D
3#	2	1/21	G/D
4#	2	1/21	G/D
NA (NAMUR) #	2	1/21	G/D
E (pneumatic)	2	1/21	G/D

* According to ISO standard
 ** Products with ATEX and IECEx certification
 # Without solenoid

>> The order code number of the certified products is obtained by adding "EX" to the standard article number
 Es. 358-015 standard solenoid valve
 Es. 358-015EX ATEX certified solenoid valve

Accessories available in Category 2 Zone 1/21: couplings, junctions, brackets, piston rod nuts, nuts, counter brackets, bushings, pins, clevis pins, caps, gaskets, diaphragm, sub-bases, plates, feet, hand operated valves, flow valves, flanges, screw, tie rods, automatic and blocking valves, silencers and pressure gauge, connector kits, clamps, rapid and super rapid push-in fittings, hoses, sealing rings, locking nuts. Accessories available in Category 3, Zone 2/22: adaptors, slot covers, extensions, connectors. For more information on this kind of products see the website:
<http://catalogue.camozzi.com> within the section: Downloads > Certifications > ATEX Directive 2014/34/EU > List of products excluded from the directive 2014/34/EU ATEX.

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