



Push-in fittings series R



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Push-in fittings series RHP



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Push-in fittings series RT



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Exhausts conveyor



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Push-in fittings series R In nickel plated brass



Versione	Tipo	Versione	Tipo
BSPT stud	R11	BSP swivel tee	R43
BSP stud	R12	BSP swivel tee hex wrench	R21
Female BSP stud	R13	Double BSP swivel tee hex wrench	R57
Union	R26	Stem T	R62
Reducer	R25	BSPT swivel side tee	R22
BSP stem adapter	R38	BSP swivel side tee	R44
Bulkhead	R27	Stem side T	R63
Stem	R39	Equal tee	R23
Plug	R29	Y piece	R51
BSPT elbow	R14	Y swivel	R65
BSPT swivel elbow	R15	Equal H swivel union	R64
BSP swivel elbow	R41	Single hollow bolt	R31
Female BSP elbow	R17	Double hollow bolt	R32
Extended BSP swivel elbow	R52	Single M/F banjo bolt	R59
BSP elbow hex wrench	R19	Double M/F banjo bolt	R60
Double BSP swivel elbow	R53	Single banjo	R35
Stem L	R61	Double banjo	R36
Equal elbow	R18		
BSPT swivel tee	R42		

Threads	M3	M5	M6	1/8"	1/4"	3/8"	1/2"	3/4"	M12x1,25	M12x1,5
Code	M3	M5	M6	18	14	38	12	34	12x1,25	12x1,5

Options	Suffix
Seals FKM max 150 °C	V
Special versions on request	/ S

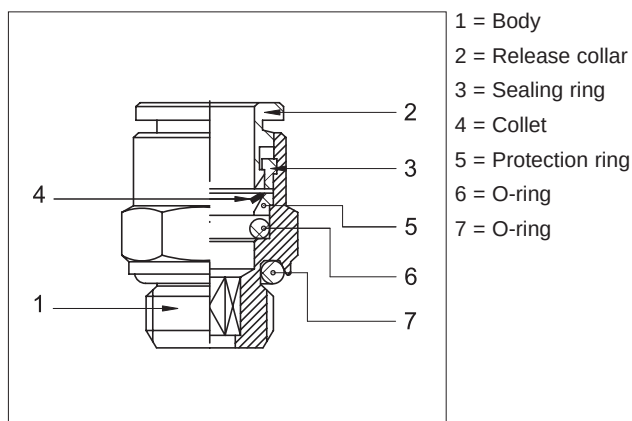


Series of push-in fittings with reduced dimensions and new collet and release collar.
They are for connecting nylon and polyurethane tubes.
Available in various configurations (studs, elbows, T, Y) and with threads Gas pre-tefloned taper (BSPT) and Gas parallel (BSP) with sealing o-ring.
The stud threaded versions are standard with external and internal hexagonal key (for mounting in narrow places).

* How to order: R110618V

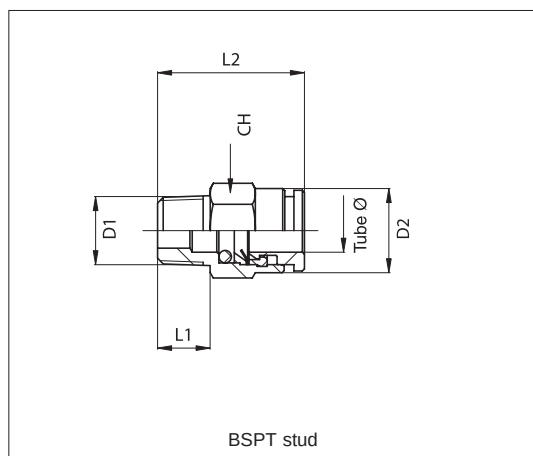
R11	06	18	V
Type	Tube Ø code	Tube or thread code	Option

* For standard items, codes and dimensions see tables from page 4.2.2.

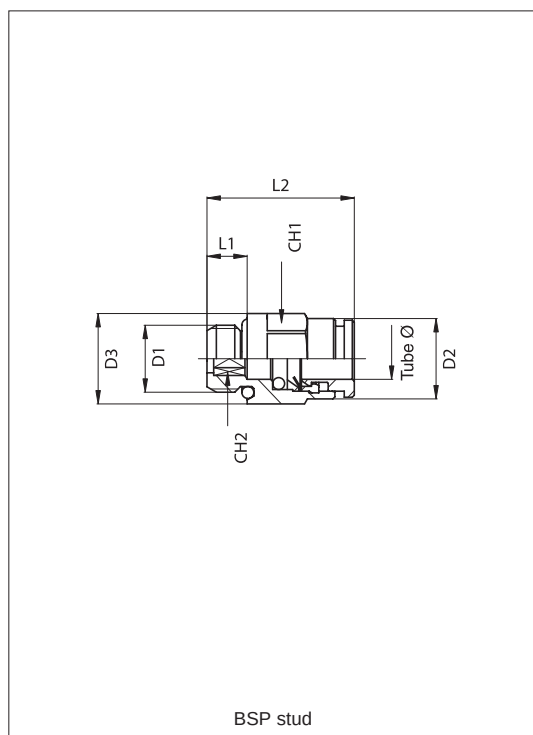


Technical data	
Fluid	Compressed air
Pressure range	0,5 ÷ 12 bar (vacuum resistance: 750 mm. Hg)
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Connection tubes	Calibrated nylon, polyurethane and rilsan
Tube tolerances	from Ø 3 mm to 10 mm: ± 0,05 mm Ø 12 mm and 14 mm: ± 0,1 mm
Materials	Body and release collar: Nickel plated brass Collet: Stainless steel Seals: Nitrile rubber (NBR)

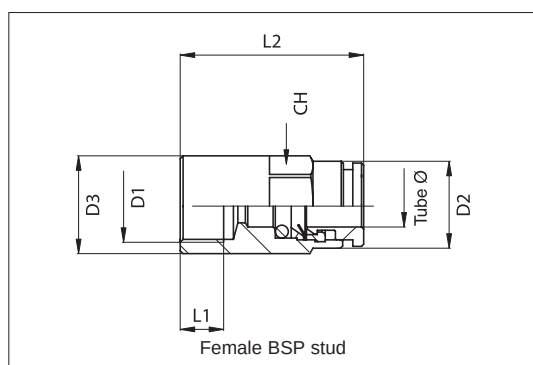
Push-in fittings series R In nickel plated brass



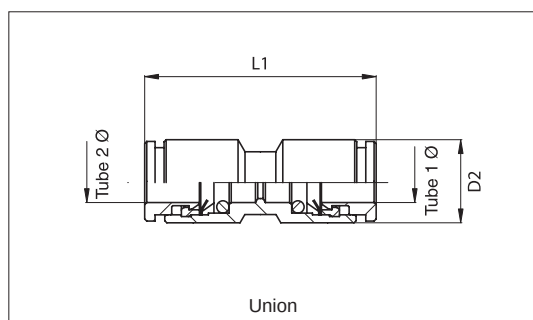
Code	Item	Tube Ø	D1	D2	L1	L2	CH
020001	R 11 04 18	4	1/8"	9	7,5	15,5	10
020002	R 11 04 14	4	1/4"	9	11	20	14
020005	R 11 06 18	6	1/8"	12	7,5	20,5	12
020006	R 11 06 14	6	1/4"	12	11	20	14
020007	R 11 08 18	8	1/8"	14	7,5	24,5	14
020008	R 11 08 14	8	1/4"	14	11	23	14
020009	R 11 08 38	8	3/8"	14	11,5	22	17
020010	R 11 10 14	10	1/4"	16	11	30	16
020011	R 11 10 38	10	3/8"	16	11,5	23,5	17
020016	R 11 10 12	10	1/2"	16	14	26,5	22
020017	R 11 12 14	12	1/4"	18	11	31,5	18
020012	R 11 12 38	12	3/8"	18	11,5	27	18
020013	R 11 12 12	12	1/2"	18	14	27	22
020014	R 11 14 38	14	3/8"	22	11,5	35	22
020015	R 11 14 12	14	1/2"	22	14	32	22



Code	Item	Tube Ø	D1	D2	D3	L1	L2	CH1	CH2
020029	R 12 03 M3	3	M3	6,5	5,5	3	14	-	1,5
020030	R 12 03 M5	3	M5	6,5	8	4	14,5	-	2
020031	R 12 04 M5	4	M5	9	8	4	18,5	-	2,5
020032	R 12 04 M6	4	M6	9	9	4,5	17	-	3
020188	R 12 04 M7	4	M7	9	9	5	20	-	3
020033	R 12 04 18	4	1/8"	9	13	5	16	9	3
020034	R 12 04 14	4	1/4"	9	16	6,5	18	9	3
020051	R 12 06 M5	6	M5	12	8	4	21,5	-	2,5
020052	R 12 06 M6	6	M6	12	9	4,5	22	-	3
020189	R 12 06 M7	6	M7	12	9	5	23	-	3
020037	R 12 06 18	6	1/8"	12	13,5	5	19	12	4
020038	R 12 06 14	6	1/4"	12	16	6,5	18,5	12	4
020039	R 12 08 18	8	1/8"	14	13	5	22,5	13	6
020040	R 12 08 14	8	1/4"	14	16	6,5	21	14	6
020041	R 12 08 38	8	3/8"	14	20	7	20,5	14	6
020247	R 12 08 12	8	1/2"	14	25	8,5	23	14	6
020042	R 12 10 14	10	1/4"	16	16	6,5	27	15	8
020043	R 12 10 38	10	3/8"	16	20	7	24,5	16	8
020053	R 12 10 12	10	1/2"	16	25	8,5	25	16	8
020054	R 12 12 14	12	1/4"	18	16	6,5	28	18	8
020044	R 12 12 38	12	3/8"	18	20	7	28	18	10
020045	R 12 12 12	12	1/2"	18	25	8,5	26	18	10
020046	R 12 14 38	14	3/8"	22	20	7	31	22	10
020047	R 12 14 12	14	1/2"	22	25	8,5	31,5	22	12
020049	R 12 06 12x1,25	6	12x1,25	12	14,5	11	24	13	-
020050	R 12 06 12x1,5	6	12x1,5	12	14,5	11	24	13	-
020248	R 12 16 12	16	1/2"	24	25	8,5	34,5	25	13
020249	R 12 16 34	16	3/4"	24	32	9,5	32	24	13

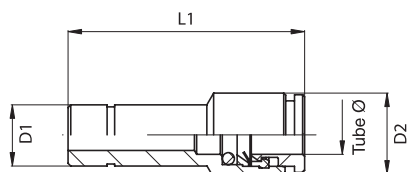


Code	Item	Tube Ø	D1	D2	D3	L1	L2	CH
020061	R 13 04 18	4	1/8"	9	13	7,5	23,5	9
020064	R 13 06 18	6	1/8"	12	14	7,5	26	12
020065	R 13 06 14	6	1/4"	12	16	11	30	12
020066	R 13 08 18	8	1/8"	14	13	7,5	26	14
020067	R 13 08 14	8	1/4"	14	16	11	30	14
020250	R 13 08 38	8	3/8"	14	20	12	31	14
020068	R 13 10 14	10	1/4"	16	16	11	32	16
020069	R 13 10 38	10	3/8"	16	20	12	33,5	16
020260	R 13 10 12	10	1/2"	16	25	13,5	36,5	16

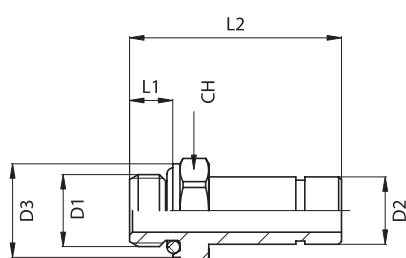


Code	Item	Tube Ø 1	Tube Ø 2	D2	L1
020560	R 26 03 00	3	3	6,5	22
020561	R 26 04 00	4	4	9	27
020563	R 26 06 00	6	6	12	32,5
020568	R 26 06 04	6	4	12	30
020564	R 26 08 00	8	8	14	33
020569	R 26 08 06	8	6	14	33
020565	R 26 10 00	10	10	16	37,5
020570	R 26 10 08	10	8	16	35,5
020566	R 26 12 00	12	12	18	39,5
020567	R 26 14 00	14	14	22	44,5

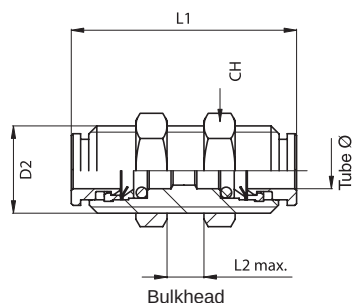
Push-in fittings series R In nickel plated brass



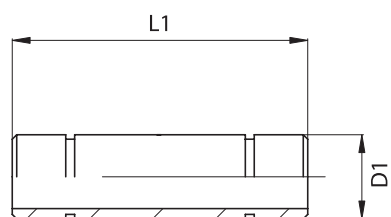
Reducer



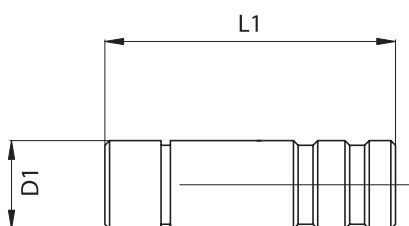
BSP stem adapter



Bulkhead



Stem



Plug

Code	Item	Tube Ø	D ₁	D ₂	L ₁
020529	R 25 03 04	3	4	6,5	27
020531	R 25 04 06	4	6	9	31
020532	R 25 04 08	4	8	9	31
020533	R 25 04 10	4	10	9	31
020534	R 25 04 12	4	12	9	32
020538	R 25 06 08	6	8	12	33
020539	R 25 06 10	6	10	12	34
020540	R 25 06 12	6	12	12	35
020545	R 25 06 14	6	14	12	37
020541	R 25 08 10	8	10	14	35
020542	R 25 08 12	8	12	14	36
020546	R 25 08 14	8	14	14	38
020543	R 25 10 12	10	12	16	39
020544	R 25 10 14	10	14	16	41
020547	R 25 12 14	12	14	18	41
020548	R 25 06 04	6	4	12	35
020549	R 25 08 06	8	6	14	37

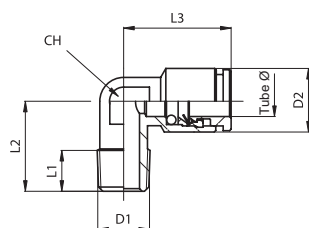
Code	Item	D ₁	D ₂	D ₃	L ₁	L ₂	CH
020791	R 38 04 M5	M5	4	10	4	24	9
020792	R 38 04 18	1/8"	4	14,5	5	26	13
020793	R 38 04 14	1/4"	4	16	6,5	28,5	16
020805	R 38 06 M5	M5	6	10	4	26	9
020796	R 38 06 18	1/8"	6	14,5	5	28	13
020797	R 38 06 14	1/4"	6	16	6,5	30,5	16
020798	R 38 08 18	1/8"	8	14,5	5	29	13
020799	R 38 08 14	1/4"	8	16	6,5	31,5	16
020800	R 38 10 14	1/4"	10	16	6,5	32,5	16
020801	R 38 10 38	3/8"	10	20	7	33	20
020802	R 38 12 38	3/8"	12	20	7	35	20
020803	R 38 12 12	1/2"	12	25	8,5	37	26

Code	Item	Tube Ø	D ₂	L ₁	L ₂ max	CH
020580	R 27 03 03	3	10x1	22	8	14
020581	R 27 04 04	4	12x1	27	11	16
020583	R 27 06 06	6	14x1	32,5	16	18
020584	R 27 08 08	8	16x1	33	17	20
020585	R 27 10 10	10	18x1	37,5	19	22
020586	R 27 12 12	12	20x1	39,5	20	24

Code	Item	D ₁	L ₁
020831	R 39 00 04	4	30
020833	R 39 00 06	6	35
020834	R 39 00 08	8	35
020835	R 39 00 10	10	40
020836	R 39 00 12	12	42
020837	R 39 00 14	14	46

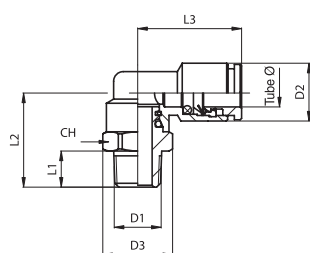
Code	Item	D ₁	L ₁
020630	R 29 00 03	3	20
020631	R 29 00 04	4	25
020633	R 29 00 06	6	30
020634	R 29 00 08	8	30
020635	R 29 00 10	10	35
020636	R 29 00 12	12	38
020637	R 29 00 14	14	40
020638	R 29 00 16	16	40

Push-in fittings series R In nickel plated brass



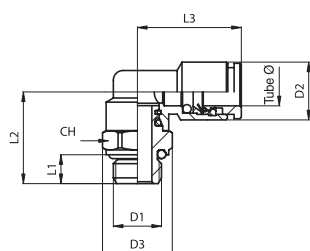
BSPT elbow

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH
020091	R 14 04 18	4	1/8"	9	7,5	15	17	9
020101	R 14 04 14	4	1/4"	9	11	18,5	17	9
020094	R 14 06 18	6	1/8"	12	7,5	15	20	10
020095	R 14 06 14	6	1/4"	12	11	18,5	20	10
020096	R 14 08 18	8	1/8"	14	7,5	19	20,5	12
020097	R 14 08 14	8	1/4"	14	11	21	20,5	12
020098	R 14 10 14	10	1/4"	16	11	22	24	14
020099	R 14 10 38	10	3/8"	16	11,5	22,5	24	14



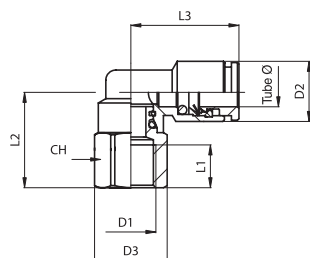
BSPT swivel elbow

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	CH
020131	R 15 04 18	4	1/8"	9	14,5	7,5	19,5	19	13
020132	R 15 04 14	4	1/4"	9	15,5	11	23	19	14
020135	R 15 06 18	6	1/8"	12	14,5	7,5	19,5	21,5	13
020136	R 15 06 14	6	1/4"	12	15,5	11	23	21,5	14
020137	R 15 08 18	8	1/8"	14	14,5	7,5	19,5	22	13
020138	R 15 08 14	8	1/4"	14	15,5	11	23	22	14
020139	R 15 08 38	8	3/8"	14	20	11,5	26	23	18
020140	R 15 10 14	10	1/4"	16	20	11	25,5	25	18
020141	R 15 10 38	10	3/8"	16	20	11,5	26	25	18
020142	R 15 12 38	12	3/8"	18	22,5	11,5	29,5	28	20
020143	R 15 12 12	12	1/2"	18	24,5	14	33	28	22
020144	R 15 14 38	14	3/8"	22	22,5	11,5	29,5	30,5	20
020145	R 15 14 12	14	1/2"	22	24,5	14	33	30,5	22



BSP swivel elbow

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	CH
020190	R 41 03 M5	3	M5	7	10	4	14	13,5	9
020191	R 41 04 M5	4	M5	9	10	4	14	17	9
020210	R 41 04 M6	4	M6	9	10	4,5	14,5	17	9
020192	R 41 04 18	4	1/8"	9	14,5	5	18	19	13
020193	R 41 04 14	4	1/4"	9	16	6,5	22,5	19	13
020211	R 41 06 M5	6	M5	12	10	4	14	20	9
020212	R 41 06 M6	6	M6	12	10	4,5	14,5	20	9
020196	R 41 06 18	6	1/8"	12	14,5	5	18	21,5	13
020197	R 41 06 14	6	1/4"	12	16	6,5	22,5	21,5	13
020198	R 41 08 18	8	1/8"	14	14,5	5	22,5	21,5	13
020199	R 41 08 14	8	1/4"	14	16	6,5	22,5	22	13
020200	R 41 08 38	8	3/8"	14	20	7	25,5	23	16
020220	R 41 08 12	8	1/2"	14	25	8,5	27,5	23	16
020201	R 41 10 14	10	1/4"	16	16	6,5	22	25	16
020202	R 41 10 38	10	3/8"	16	20	7	25,5	25	16
020213	R 41 10 12	10	1/2"	16	25	8,5	27,5	25	16
020214	R 41 12 14	12	1/4"	18	16	6,5	25,5	28	20
020203	R 41 12 38	12	3/8"	18	20	7	26	28	20
020204	R 41 12 12	12	1/2"	18	25	8,5	30,5	28	20
020205	R 41 14 38	14	3/8"	22	20	7	26	30,5	20
020206	R 41 14 12	14	1/2"	22	25	8,5	30,5	30,5	20
020208	R 41 06 12x1,25	6	12x1,25	12	14,5	11	23	21,5	13
020209	R 41 06 12x1,5	6	12x1,5	12	14,5	11	23	21,5	13
020261	R 41 16 12	16	1/2"	24	25	8,5	33	36,5	25
020262	R 41 16 34	16	3/4"	24	32	9,5	35	36,5	25

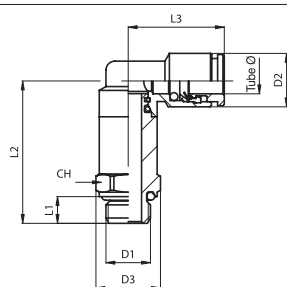


Female BSP elbow

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	CH
020251	R 17 04 18	4	1/8"	9	14,5	7,5	17,5	19	13
020254	R 17 06 18	6	1/8"	12	14,5	7,5	17,5	21,5	13
020255	R 17 06 14	6	1/4"	12	18	11	21,5	21,5	16
020256	R 17 08 18	8	1/8"	14	14,5	7,5	17,5	22	13
020257	R 17 08 14	8	1/4"	14	18	11	21,5	22	16
020258	R 17 10 14	10	1/4"	16	18	11	23	25	16
020259	R 17 10 38	10	3/8"	16	22,5	12	25	25	20

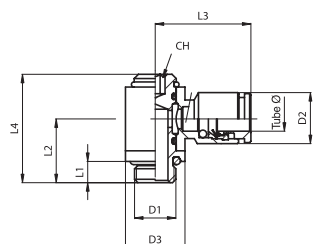
Push-in fittings series R

In nickel plated brass



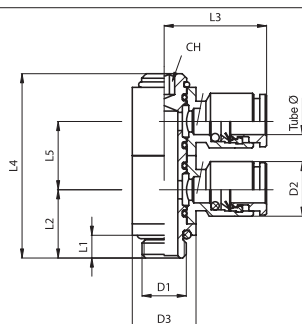
Extended BSP swivel elbow

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	CH
020271	R 52 04 18	4	1/8"	9	14,5	5	29	19	13
020274	R 52 06 18	6	1/8"	12	14,5	5	32	21,5	13
020275	R 52 06 14	6	1/4"	12	18	6,5	36,5	21,5	16
020276	R 52 08 18	8	1/8"	14	14,5	5	34	22	13
020277	R 52 08 14	8	1/4"	14	18	6,5	38,5	22	16



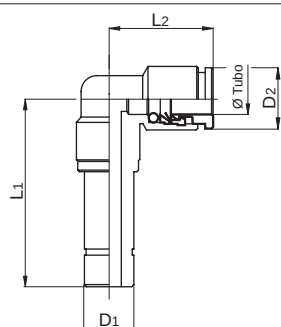
BSP elbow hex wrench

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	CH
020159	R 19 03 M3	3	M3	6,5	8	3	8,5	14	14	2
020160	R 19 03 M5	3	M5	6,5	8	4	9,5	14	15	2
020161	R 19 04 M5	4	M5	9	10	4	11	18	19	3
020162	R 19 04 18	4	1/8"	9	14	5	15	19,5	25,5	4
020176	R 19 06 M5	6	M5	12	10	4	11	20,5	19	3
020166	R 19 06 18	6	1/8"	12	14	5	15	22	25,5	4
020167	R 19 06 14	6	1/4"	12	18	6,5	17,5	23,5	29	5
020168	R 19 08 18	8	1/8"	14	14	5	15	22,5	25,5	4
020169	R 19 08 14	8	1/4"	14	18	6,5	17,5	24	29	5
020170	R 19 10 14	10	1/4"	16	19	6,5	17,5	26,5	29	5
020171	R 19 10 38	10	3/8"	16	22	7	20	28	33	6
020172	R 19 12 38	12	3/8"	18	22	7	20	29	33	6
020173	R 19 12 12	12	1/2"	18	27	8,5	24	31	39,5	8



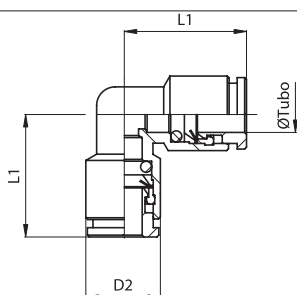
Double BSP swivel elbow

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	L ₅	CH
020181	R 53 04 M5	4	M5	9	10	4	11	18	29	10	3
020182	R 53 04 18	4	1/8"	9	14	5	15	19,5	40,5	15	4
020184	R 53 06 18	6	1/8"	12	14	5	15	22	40,5	15	4
020185	R 53 06 14	6	1/4"	12	18	6,5	17,5	23,5	46	17	5
020186	R 53 08 18	8	1/8"	14	14	5	15	22,5	40,5	15	4
020187	R 53 08 14	8	1/4"	14	18	6,5	17,5	24	46	17	5



Stem L

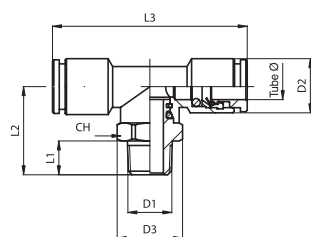
Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂
020121	R 61 04 04	4	4	9	25,5	19,5
020122	R 61 04 06	4	6	9	29,5	19,5
020123	R 61 06 04	6	4	12	25,5	22
020124	R 61 06 06	6	6	12	29,5	22
020125	R 61 06 08	6	8	12	29,5	22
020126	R 61 08 06	8	6	14	29,5	22,5
020127	R 61 08 08	8	8	14	29,5	22,5
020128	R 61 10 10	10	10	16	33,5	26



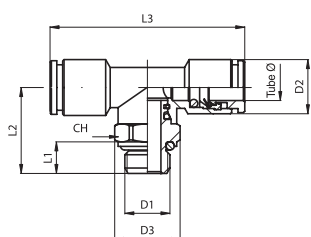
Equal elbow

Code	Item	Tube Ø	D ₂	L ₁
020280	R 18 03 03	3	7	13
020281	R 18 04 04	4	9	16,5
020283	R 18 06 06	6	12	19,5
020284	R 18 08 08	8	14	20,5
020285	R 18 10 10	10	16	24
020286	R 18 12 12	12	18	26
020287	R 18 14 14	14	22	30
020292	R 18 16 16	16	24	36,5

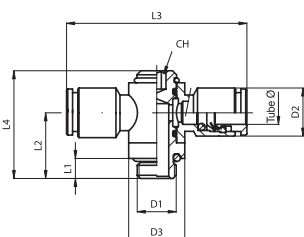
Push-in fittings series R In nickel plated brass



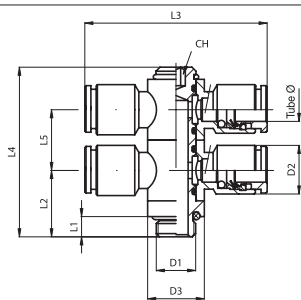
BSPT swivel tee



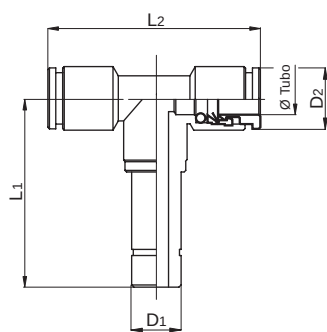
BSP swivel tee



BSP swivel tee hex wrench



Double BSP swivel tee hex wrench



Stem T

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	CH
020341	R 42 04 18	4	1/8"	9	14,5	7,5	19,5	38	13
020353	R 42 04 14	4	1/4"	9	15,5	11	23	38	14
020344	R 42 06 18	6	1/8"	12	14,5	7,5	19,5	43	13
020345	R 42 06 14	6	1/4"	12	15,5	11	23	43	14
020346	R 42 08 18	8	1/8"	14	14,5	7,5	19,5	44	13
020347	R 42 08 14	8	1/4"	14	15,5	11	23	44	14
020352	R 42 08 38	8	3/8"	14	20	11,5	26	46	18
020348	R 42 10 14	10	1/4"	16	20	11	25,5	50	18
020349	R 42 10 38	10	3/8"	16	20	11,5	26	50	18
020350	R 42 12 38	12	3/8"	18	22,5	11,5	29,5	56	20
020351	R 42 12 12	12	1/2"	18	24,5	14	33	56	22

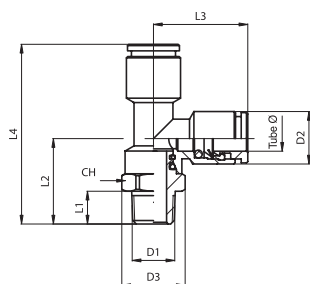
Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	CH
020371	R 43 04 18	4	1/8"	9	14,5	5	18	38	13
020372	R 43 04 14	4	1/4"	9	16	6,5	22,5	38	13
020375	R 43 06 18	6	1/8"	12	14,5	5	18	43	13
020376	R 43 06 14	6	1/4"	12	16	6,5	22,5	43	13
020377	R 43 08 18	8	1/8"	14	14,5	5	18	44	13
020378	R 43 08 14	8	1/4"	14	16	6,5	22,5	44	13
020379	R 43 08 38	8	3/8"	14	20	7	25,5	46	16
020380	R 43 10 14	10	1/4"	16	16	6,5	22	50	16
020381	R 43 10 38	10	3/8"	16	20	7	25,5	50	16
020382	R 43 12 38	12	3/8"	18	25	7	26	56	20
020383	R 43 12 12	12	1/2"	18	25	8,5	30,5	56	20

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	CH
020401	R 21 04 M5	4	M5	9	10	4	11	36	19	3
020402	R 21 04 18	4	1/8"	9	14	5	15	39	25,5	4
020416	R 21 06 M5	6	M5	12	10	4	11	41	19	3
020406	R 21 06 18	6	1/8"	12	14	5	15	44	25,5	4
020407	R 21 06 14	6	1/4"	12	18	6,5	17,5	47	29	5
020408	R 21 08 18	8	1/8"	14	14	5	15	45	25,5	4
020409	R 21 08 14	8	1/4"	14	18	6,5	17,5	48	29	5
020410	R 21 10 14	10	1/4"	16	19	6,5	17,5	53	29	5
020411	R 21 10 38	10	3/8"	16	22	7	20	56	33	6
020412	R 21 12 38	12	3/8"	18	22	7	20	58	33	6
020413	R 21 12 12	12	1/2"	18	27	8,5	24	62	39,5	8

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	L ₅	CH
020451	R 57 04 M5	4	M5	9	10	4	11	36	29	10	3
020452	R 57 04 18	4	1/8"	9	14	5	15	39	40,5	15	4
020454	R 57 06 18	6	1/8"	12	14	5	15	44	40,5	15	4
020455	R 57 06 14	6	1/4"	12	18	6,5	17,5	47	46	17	5
020456	R 57 08 18	8	1/8"	14	14	5	15	45	40,5	15	4
020457	R 57 08 14	8	1/4"	14	18	6,5	17,5	48	46	17	5

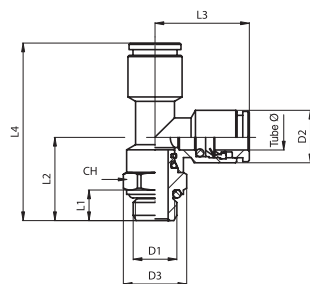
Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂
020146	R 62 04 04	4	4	9	29,5	39
020147	R 62 04 06	4	6	9	29,5	39
020148	R 62 06 04	6	6	12	25,5	44
020149	R 62 06 06	6	8	12	29,5	44
020150	R 62 08 08	8	8	14	29,5	45
020151	R 62 08 08	8	10	14	33,5	45
020152	R 62 10 10	10	10	16	33,5	52

Push-in fittings series R In nickel plated brass



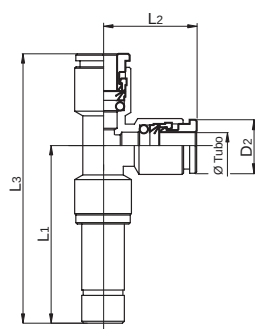
BSPT swivel side tee

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	CH
020431	R 22 04 18	4	1/8"	9	14,5	7,5	19,5	19	38,5	13
020430	R 22 04 14	4	1/4"	9	15,5	11	23	19	42	14
020434	R 22 06 18	6	1/8"	12	14,5	7,5	19,5	21,5	41	13
020435	R 22 06 14	6	1/4"	12	15,5	11	23	21,5	44,5	14
020436	R 22 08 18	8	1/8"	14	14,5	7,5	19,5	22	41,5	13
020437	R 22 08 14	8	1/4"	14	15,5	11	23	22	45	14
020438	R 22 10 14	10	1/4"	16	20	11	25,5	25	50,5	18
020439	R 22 10 38	10	3/8"	16	20	11,5	26	25	51	18
020440	R 22 12 38	12	3/8"	18	22,5	11,5	29,5	28	57,5	20
020441	R 22 12 12	12	1/2"	18	24,5	14	33	28	61	22



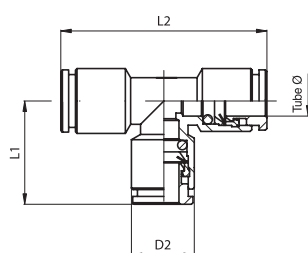
BSP swivel side tee

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	CH
020461	R 44 04 18	4	1/8"	9	14,5	5	18	19	37	13
020462	R 44 04 14	4	1/4"	9	16	6,5	22,5	19	41,5	13
020465	R 44 06 18	6	1/8"	12	14,5	5	18	21,5	39,5	13
020466	R 44 06 14	6	1/4"	12	16	6,5	22,5	21,5	44	13
020467	R 44 08 18	8	1/8"	14	14,5	5	18	22	40	13
020468	R 44 08 14	8	1/4"	14	16	6,5	22,5	22	44,5	13
020470	R 44 10 14	10	1/4"	16	16	6,5	22	25	47	16
020471	R 44 10 38	10	3/8"	16	20	7	25,5	25	50,5	16
020472	R 44 12 38	12	3/8"	18	20	7	26	28	54	20
020473	R 44 12 12	12	1/2"	18	25	8,5	30,5	28	58,5	20



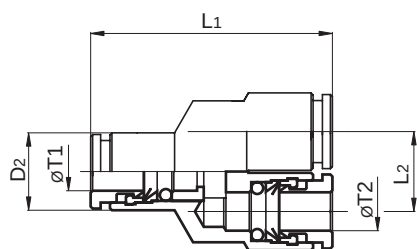
Stem side T

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃
020153	R 63 04 04	4	4	9	25,5	19,5	45
020154	R 63 04 06	4	6	9	29,5	19,5	49
020155	R 63 06 06	6	6	12	29,5	22	51,5
020156	R 63 06 08	6	8	12	29,5	22	51,5
020157	R 63 08 08	8	8	14	29,5	22,5	52
020158	R 63 10 10	10	10	16	33,5	26	59,5



Equal tee

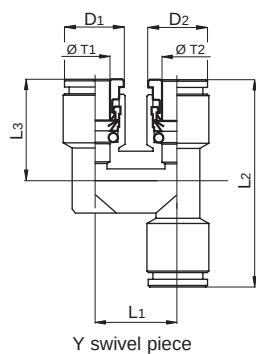
Code	Item	Tube Ø	D ₂	L ₁	L ₂
020490	R 23 03 03	3	7	13	26
020491	R 23 04 04	4	9	16,5	33
020493	R 23 06 06	6	12	19,5	39
020494	R 23 08 08	8	14	20,5	41
020495	R 23 10 10	10	16	24	48
020496	R 23 12 12	12	18	26	52
020497	R 23 14 14	14	22	30	60
020498	R 23 16 16	16	24	36,5	73



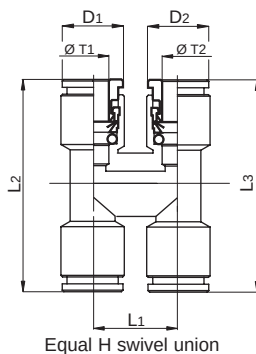
Y piece

Code	Item	Ø T1	Ø T2	D ₂	L ₁	L ₂
020888	R 51 04 04	4	4	9	28,5	9,5
020889	R 51 06 06	6	6	12	35	12
020891	R 51 06 04	6	4	12	36	12,5
020890	R 51 08 08	8	8	14	36,5	14,5
020892	R 51 08 06	8	6	14	37,5	14,5
020894	R 51 10 10	10	10	16	44,5	16,5
020893	R 51 10 08	10	8	18	44	16,5
020895	R 51 12 12	12	12	18	49	19,5

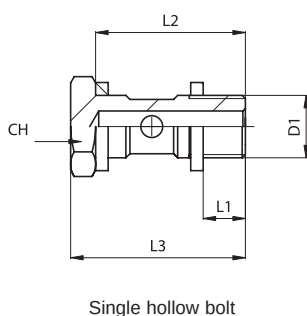
Push-in fittings series R In nickel plated brass



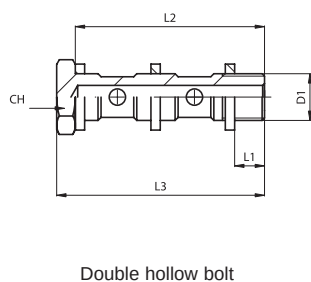
Code	Item	Øe T1	Øe T2	D1	D2	L1	L2	L3
020263	R 65 04 04	4	4	9	9	18	39	19,5
020264	R 65 04 06	4	6	9	12	18	39	22
020265	R 65 06 06	6	6	12	12	18	44	22
020266	R 65 06 08	6	8	12	14	18	44	22,5
020267	R 65 08 08	8	8	14	14	18	45	22,5



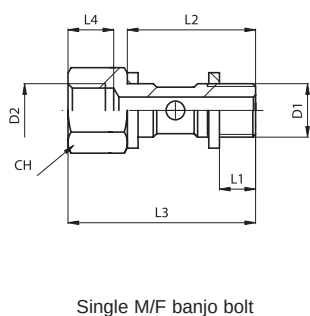
Code	Item	ØT1	ØT2	D1	D2	L1	L2	L3
020228	R 64 04 04	4	4	9	9	18	39	39
020229	R 64 04 06	4	6	9	12	18	39	44
020230	R 64 06 06	6	6	12	12	18	44	44
020231	R 64 06 08	6	8	12	14	18	44	45
020232	R 64 08 08	8	8	14	14	18	45	45



Code	Item	D1	L1	L2	L3	CH
020671	R 31 00 M5	M5	4	16	19	8
020672	R 31 00 18	1/8"	5	23	27	14
020673	R 31 00 14	1/4"	6,5	26,5	31,5	17
020674	R 31 00 38	3/8"	7	30	36	20
020675	R 31 00 12	1/2"	15	37	43	26

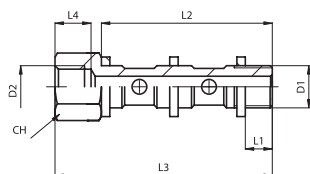


Code	Item	D1	L1	L2	L3	CH
020691	R 32 00 18	1/8"	5	39,5	42,5	14
020692	R 32 00 14	1/4"	6,5	45	50	17
020693	R 32 00 38	3/8"	7	51,5	57,5	20
020694	R 32 00 12	1/2"	8,5	61	67	26



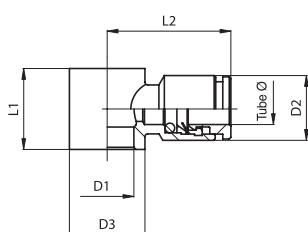
Code	Item	D1	D2	L1	L2	L3	L4	CH
020701	R 59 00 18	1/8"	1/8"	5	23	35	8	14
020702	R 59 00 14	1/4"	1/4"	6,5	26,5	40,5	10	17
020703	R 59 00 38	3/8"	3/8"	7	30	45	11	20

Push-in fittings series R In nickel plated brass



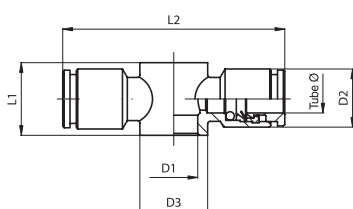
Double M/F banjo bolt

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	CH
020705	R 60 00 18	1/8"	1/8"	5	39,5	51,5	8	14
020706	R 60 00 14	1/4"	1/4"	6,5	45	59	10	17
020707	R 60 00 38	3/8"	3/8"	7	51,5	66,5	11	20



Single banjo

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂
020732	R 35 04 M5	4	M5	9	10	10	18
020731	R 35 04 5R	4	7	9	10	10	18,5
020733	R 35 04 18	4	1/8"	9	14	15	19,5
020745	R 35 06 M5R	6	7	12	10	10	21,5
020736	R 35 06 18	6	1/8"	12	14	15	22
020737	R 35 06 14	6	1/4"	12	18	17	23,5
020738	R 35 08 18	8	1/8"	14	14	15	22,5
020739	R 35 08 14	8	1/4"	14	18	17	24
020740	R 35 08 38	8	3/8"	14	22	20	26
020741	R 35 10 14	10	1/4"	16	18	17	26,5
020742	R 35 10 38	10	3/8"	16	22	20	28
020743	R 35 12 38	12	3/8"	18	22	20	29
020744	R 35 12 12	12	1/2"	18	27	24	31



Double banjo

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂
020761	R 36 04 M5	4	M5	9	10	10	36
020762	R 36 04 18	4	1/8"	9	14	15	39
020765	R 36 06 18	6	1/8"	12	14	15	44
020766	R 36 06 14	6	1/4"	12	18	17	47
020767	R 36 08 18	8	1/8"	14	14	15	45
020768	R 36 08 14	8	1/4"	14	18	17	48
020773	R 36 08 38	8	3/8"	14	22	20	52
020769	R 36 10 14	10	1/4"	16	18	17	53
020770	R 36 10 38	10	3/8"	16	22	20	56
020771	R 36 12 38	12	3/8"	18	22	20	58
020772	R 36 12 12	12	1/2"	18	27	24	62

Notes

Push-in fittings series RHP

In nickel plated brass



Version	Type
BSPT stud	RHP11
BSPT elbow	RHP14
BSPT swivel elbow	RHP15



Series of push-in fittings for specific use in the lubrication field: they can be used up to a maximum pressure of 250 bar.

External tube (mm)	4	5
Code	04	06

Threads	M6x1	M8x1	M10x1	1/8"	1/4"
Code	M6x1	M8x1	M10x1	18	14

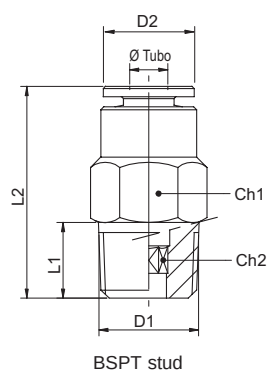
How to order: RHP110618

RHP11	06	18
Type	Tube Ø code	Thread code

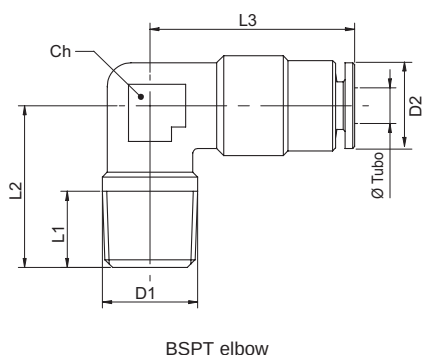
For standard items, codes and dimensions see tables from page 4.3.2

Technical data	
Fluid	Compressed air
Pressure range	max 250 bar
Temperature range	-20 °C ÷ + 70°C
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Connection tubes	Nylon 6-6 (per Ø 4 = 4x1,5, per Ø 6 = 6x3)
Tube tolerances	± 0,05 mm
Materials	Body and release collar: Nickel plated brass Metal thread: Nickel plated brass Collet: Brass Seals: NBR

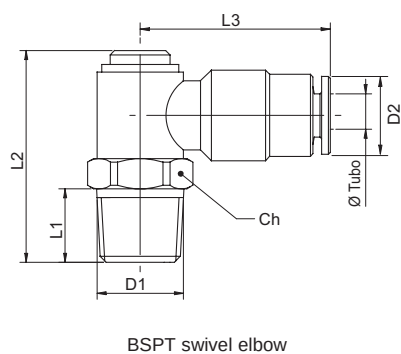
Push-in fittings series RHP In nickel plated brass



Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	CH ₁	CH ₂
020021	RHP 11 04 18	4	R1/8	9,5	7,5	21	10	3
020019	RHP 11 04 M6x1	4	M6x1	9,5	8	25	10	2,5
020024	RHP 11 04 M8x1	4	M8x1	9,5	8	22,5	10	3
020025	RHP 11 04 M10x1	4	M10x1	9,5	8	21	11	3
020026	RHP 11 06 18	6	R1/8	11,5	7,5	24	12	4
020119	RHP 11 06 14	6	R1/4	11,5	11	26	14	4
020028	RHP 11 06 M6x1	6	M6x1	11,5	8	28	12	2,5
020018	RHP 11 06 M8x1	6	M8x1	11,5	8	28	12	4
020080	RHP 11 06 M10x1	6	M10x1	11,5	8	24,5	12	4



Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	CH ₁	CH ₂
020020	RHP 14 04 18	4	R1/8	9,5	7,5	17	21,5	10
020022	RHP 14 04 M6x1	4	M6x1	9,5	6	17	21,5	10
020055	RHP 14 04 M8x1	4	M8x1	9,5	8	17	21,5	10
020056	RHP 14 04 M10x1	4	M10x1	9,5	8	18	21,5	10
020057	RHP 14 06 18	6	R1/8	11,5	7,5	20	24	14
020058	RHP 14 06 M6x1	6	M6x1	11,5	6	20	24	14
020059	RHP 14 06 M8x1	6	M8x1	11,5	8	20	24	14
020060	RHP 14 06 M10x1	6	M10x1	11,5	8	21	24	14



Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	CH ₁	CH ₂
020070	RHP 15 04 18	4	R1/8	9,5	7,5	24,5	22	11
020072	RHP 15 04 M6x1	4	M6x1	9,5	8	24	22	11
020089	RHP 15 04 M8x1	4	M8x1	9,5	8	24	22	11
020074	RHP 15 04 M10x1	4	M10x1	9,5	8	25	22	11
020075	RHP 15 06 18	6	R1/8	11,5	7,5	24,5	24	11
020120	RHP 15 06 14	6	R1/4	11,5	11	28	24	14
020077	RHP 15 06 M6x1	6	M6x1	11,5	8	24	24	11
020078	RHP 15 06 M8x1	6	M8x1	11,5	8	24	24	11
020079	RHP 15 06 M10x1	6	M10x1	11,5	8	25	24	11

Version	Type	Version	Type
BSP stud	RT12	Plug-in elbow	RT49
Union	RT25	BSPT swivel tee	RT21
BSP stem adapter	RT13	BSP swivel tee	RT22
Reducer	RT26	BSPT swivel side tee	RT23
Stem increaser	RT27	BSP swivel side tee	RT24
Stem	RT32	Equal tee	RT15
Plug	RT33	Y piece	RT29
BSPT swivel elbow	RT16	Stem Y	RT30
Extended BSPT swivel elbow	RT17	BSP swivel Y	RT31
BSP swivel elbow	RT18	Equal swivel H	RT46
Extended BSP swivel elbow	RT19	Manifold	RT36
BSP swivel elbow hex wrench	RT20	Double Y coupling	RT43
Bulkhead elbow	RT48	Double Y coupling with threaded joint	RT44
Equal elbow	RT14	Single hollow bolt	R31
		Single banjo	RT28
		Stem cartridge	RT34



Series of push-in fittings with reduced dimensions and new collet and release collar.
They are for connecting nylon and polyurethane tubes.
Available in various configurations (studs, elbows, T, Y) and with threads Gas pre-tefloned taper (BSPT) and Gas parallel (BSP) with sealing o-ring.
The stud threaded versions are standard with external and internal hexagonal key (for mounting in narrow places).

*How to order: RT120618V

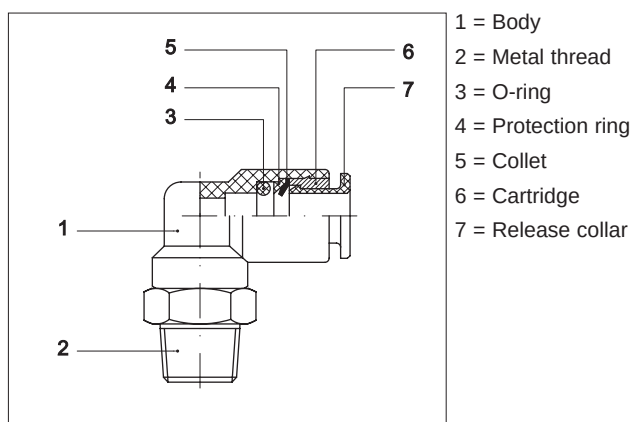
RT12	06	18	V
Type	Tube Ø code	Tube or thread code	Option

* For standard items, codes and dimensions see tables from page 4.5.2

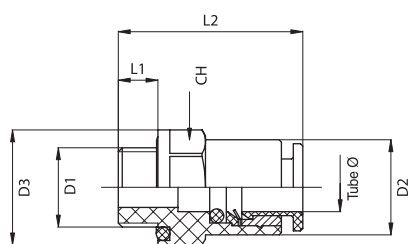
External tube (mm)	3	4	5	6	8	10
Code	03	04	05	06	08	10

Threads	M5	1/8"	1/4"	3/8"
Code	M5	18	14	38

Options	Suffix
Seals FKM max 150 °C	V
Special versions on request	/ S

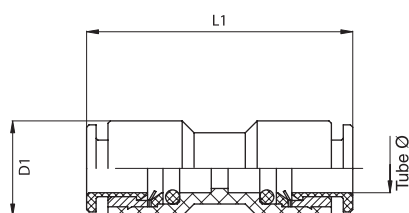


Technical data	
Fluid	Compressed air
Pressure range	0,5 ÷ 12 bar (vacuum resistance: 750 mm. Hg)
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Connection tubes	Calibrated nylon, polyurethane and rilsan
Tube tolerances	± 0,05 mm
Materials	Body and release collar: Acetal resin (DELRIN) Metal thread: Nickel plated brass Collet: Stainless steel Seals: Nitrile rubber (NBR)



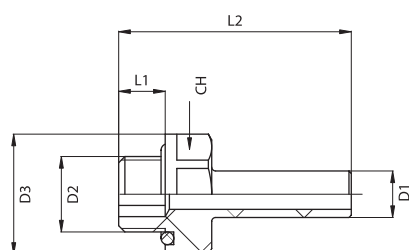
BSP stud
Body completely in acetal resin

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	CH	Weight (g.)
029101	RT 12 04 18	4	1/8"	9,7	15,5	6	20	14	2
029102	RT 12 06 18	6	1/8"	12	15,5	6	23	14	3
029103	RT 12 06 14	6	1/4"	12	18,5	8	25	17	5
029104	RT 12 08 18	8	1/8"	14	15,5	6	24,5	14	4
029105	RT 12 08 14	8	1/4"	14	18,5	8	24	17	6
029106	RT 12 08 38	8	3/8"	14	23,5	9	26	21	8
029107	RT 12 10 14	10	1/4"	16,5	18,5	8	27,5	17	6
029108	RT 12 10 38	10	3/8"	16,5	23,5	9	27,5	21	8



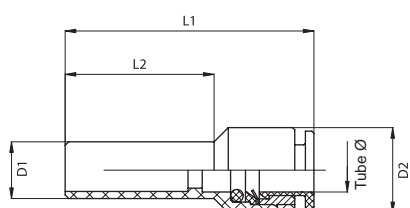
Union

Code	Item	Tube Ø	D ₁	L ₁	Weight (g.)
029341	RT 25 04 04	4	9,7	25,5	2
029342	RT 25 06 06	6	12	32	4
029345	RT 25 06 04	6-4	12	30	4
029343	RT 25 08 08	8	14	33,5	6
029346	RT 25 08 06	8-6	14	33	6
029344	RT 25 10 10	10	16,5	37,5	8
029347	RT 25 10 08	10-8	16,5	36,5	8
029348	RT 25 12 12	12	19	42	8
029349	RT 25 12 08	12-8	19	42	8
029350	RT 25 12 10	12-10	19	42	8



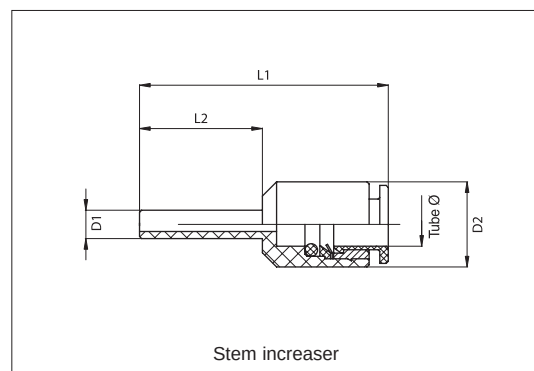
BSP stem adapter
Body completely in acetal resin

Code	Item	D ₁	D ₂	D ₃	L ₁	L ₂	CH	Weight (g.)
029121	RT 13 04 18	4	1/8"	15,5	6	27	14	2
029122	RT 13 06 18	6	1/8"	15,5	6	30	14	2
029123	RT 13 06 14	6	1/4"	18,5	8	33,5	17	3
029124	RT 13 08 18	8	1/8"	15,5	6	32	14	2
029125	RT 13 08 14	8	1/4"	18,5	8	35,5	17	3
029126	RT 13 08 38	8	3/8"	23,5	9	37	21	6
029127	RT 13 10 14	10	1/4"	18,5	8	37,5	17	4
029128	RT 13 10 38	10	3/8"	23,5	9	39	21	5

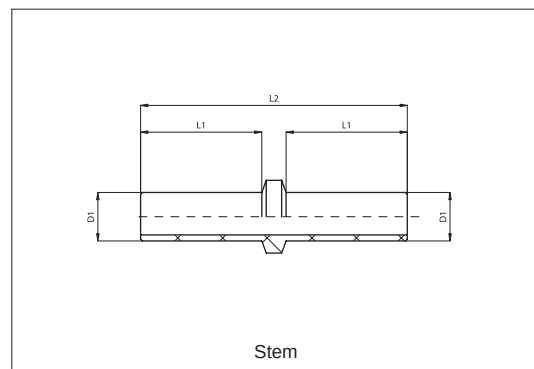


Reducer

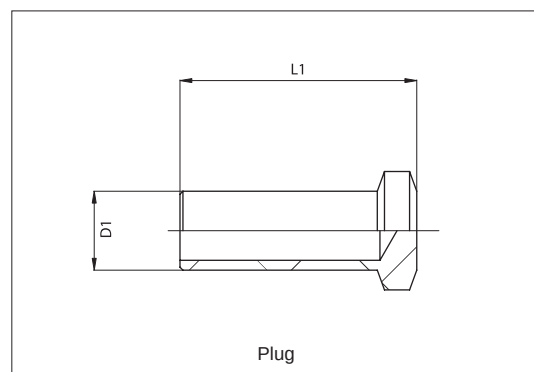
Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	Weight (g.)
029351	RT 26 04 06	4	6	10	31	18	1
029352	RT 26 04 08	4	8	10	32	20	2
029353	RT 26 04 10	4	10	10	37	22	3
029354	RT 26 06 08	6	8	12	36	20	3
029355	RT 26 06 10	6	10	12	36	22	3
029356	RT 26 06 12	6	12	12	40	25	4
029357	RT 26 08 10	8	10	14	38,5	22	5
029358	RT 26 08 12	8	12	14	39,5	25	-
029359	RT 26 10 12	10	12	16,5	44	25	-



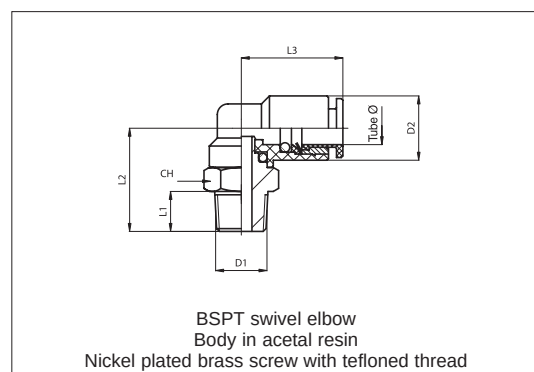
Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	Weight (g.)
029371	RT 27 06 04	6	4	12	33	16	3
029372	RT 27 08 06	8	6	14	33,5	18	4



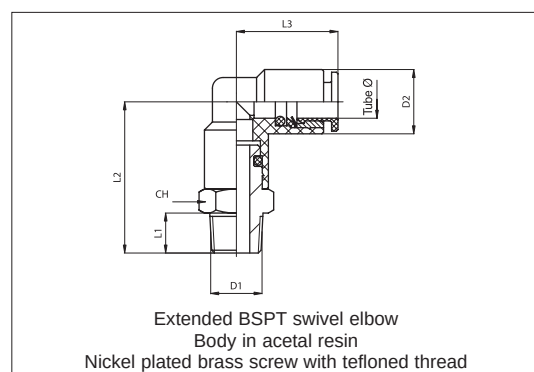
Code	Item	D ₁	L ₁	L ₂	Weight (g.)
029431	RT 32 04 04	4	15	33	1
029432	RT 32 06 06	6	18	40	1
029433	RT 32 08 08	8	20	45	2
029434	RT 32 10 10	10	22	48	3
029435	RT 32 12 12	12	25	54	3
029436	RT 32 14 14	14	25	54	3



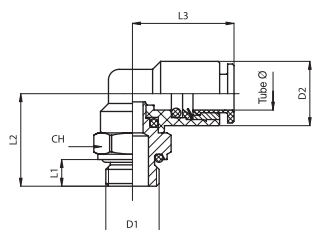
Code	Item	D ₁	L ₁	Weight (g.)
029441	RT 33 04 04	4	18	1
029442	RT 33 06 06	6	22	1
029443	RT 33 08 08	8	25	1
029444	RT 33 10 10	10	26	1
029495	RT 33 12 12	12	40	3,3
029446	RT 33 14 14	14	40	3,3



Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃	CH	Weight (g.)
029161	RT 16 04 18	4	1/8"	9,7	7,5	17	15	10	7
029162	RT 16 04 14	4	1/4"	9,7	11	20,5	15	14	13
029163	RT 16 06 18	6	1/8"	12	7,5	18,5	19	12	10
029164	RT 16 06 14	6	1/4"	12	11	22,5	19	14	14
029165	RT 16 08 18	8	1/8"	14	7,5	20	20,5	14	13
029166	RT 16 08 14	8	1/4"	14	11	23,5	20,5	14	15
029167	RT 16 08 38	8	3/8"	14	11,5	24,5	20,5	17	24
029168	RT 16 10 14	10	1/4"	16,5	11	25,5	23,5	16	19
029169	RT 16 10 38	10	3/8"	16,5	11,5	26,5	23,5	17	23
029170	RT 16 12 38	12	3/8"	19	11,5	28,5	28,5	20	
029171	RT 16 12 12	12	1/2"	19	14	31,5	28,5	22	
029172	RT 16 14 38	14	3/8"	22,5	11,5	29,5	33	20	
029173	RT 16 14 12	14	1/2"	22,5	14	32,5	33	22	

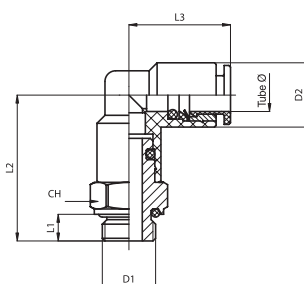


Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃	CH	Weight (g.)
029181	RT 17 04 18	4	1/8"	9,7	7,5	25,5	15	10	19
029182	RT 17 04 14	4	1/4"	9,7	11	29	15	14	14
029183	RT 17 06 18	6	1/8"	12	7,5	29,5	19	12	14
029184	RT 17 06 14	6	1/4"	12	11	33	19	14	18
029185	RT 17 08 18	8	1/8"	14	7,5	33	20,5	14	20
029186	RT 17 08 14	8	1/4"	14	11	36,5	20,5	14	21
029187	RT 17 08 38	8	3/8"	14	11,5	38	20,5	17	26
029188	RT 17 10 14	10	1/4"	16,5	11	41,5	23,5	16	32
029189	RT 17 10 38	10	3/8"	16,5	11,5	42,5	23,5	17	30



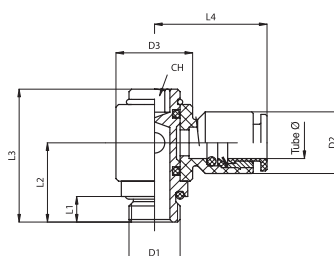
BSP swivel elbow
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029201	RT 18 04 M5	4	M5	9,7	4	15	15	9	8
029202	RT 18 04 18	4	1/8"	9,7	5	15	15	13	5
029203	RT 18 04 14	4	1/4"	9,7	6,5	17	15	16	12
029204	RT 18 06 M5	6	M5	12	4	15	19	12	8
029205	RT 18 06 18	6	1/8"	12	5	16,5	19	13	10
029206	RT 18 06 14	6	1/4"	12	6,5	18,5	19	16	14
029207	RT 18 08 18	8	1/8"	14	5	17,5	20,5	14	11
029208	RT 18 08 14	8	1/4"	14	6,5	19,5	20,5	16	14
029209	RT 18 08 38	8	3/8"	14	7	21,5	20,5	20	23
029210	RT 18 10 14	10	1/4"	16,5	6,5	21,5	23,5	16	17
029211	RT 18 10 38	10	3/8"	16,5	7	23,5	23,5	20	24
029212	RT 18 12 38	12	3/8"	19	7	24	28,5	20	
029213	RT 18 12 12	12	1/2"	19	8,5	28,5	28,5	20	
029214	RT 18 14 38	14	3/8"	22,5	7	25	33	20	
029215	RT 18 14 12	14	1/2"	22,5	8,5	29,5	33	20	



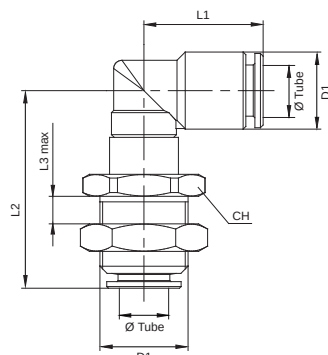
Extended BSP swivel elbow
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029221	RT 19 04 M5	4	M5	9,7	4	23,5	15	9	8
029222	RT 19 04 18	4	1/8"	9,7	5	23,5	15	13	9
029223	RT 19 04 14	4	1/4"	9,7	6,5	23,5	15	16	13
029224	RT 19 06 M5	6	M5	12	4	26	19	12	13
029225	RT 19 06 18	6	1/8"	12	5	27,5	19	13	13
029226	RT 19 06 14	6	1/4"	12	6,5	29,5	19	16	17
029227	RT 19 08 18	8	1/8"	14	5	30,5	20,5	14	19
029228	RT 19 08 14	8	1/4"	14	6,5	32,5	20,5	16	20
029229	RT 19 08 38	8	3/8"	14	7	34,5	20,5	20	27
029230	RT 19 10 14	10	1/4"	16,5	6,5	37	23,5	16	27
029231	RT 19 10 38	10	3/8"	16,5	7	38	23,5	20	31



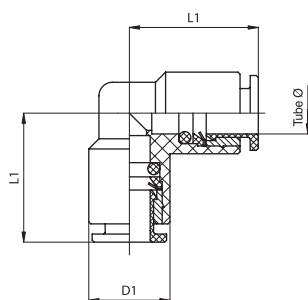
BSP elbow hex wrench
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g.)
029241	RT 20 04 M5	4	M5	9,7	9,7	4	11,5	20,5	17	4	6
029242	RT 20 04 18	4	1/8"	9,7	15	5	15	25,5	18,5	4	14
029250	RT 20 06 M5	6	M5	12	9,7	4	11,5	20,5	21	4	8
029243	RT 20 06 18	6	1/8"	12	15	5	15	25,5	22	4	14
029244	RT 20 06 14	6	1/4"	12	18	6,5	18	29,5	23,5	5	23
029245	RT 20 08 18	8	1/8"	14	15	5	15	25,5	22,5	4	15
029246	RT 20 08 14	8	1/4"	14	18	6,5	18	29,5	24	5	24
029247	RT 20 08 38	8	3/8"	14	23	7	21	34	26	6	24
029248	RT 20 10 14	10	1/4"	16,5	18	6,5	18	29,5	26	5	25
029249	RT 20 10 38	10	3/8"	16,5	23	7	21	34	28	6	41



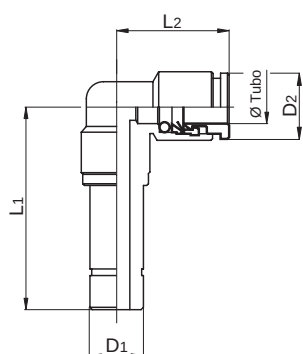
Bulkhead elbow
Body in acetal resin - Nickel plated brass screw

Code	Item	Tube Ø	D1	D2	L1	L2	L3 max	CH	Weight (g.)
028500	RT 48 04 04	4	M12x0,75	9,7	15,5	27,1	6	15	17,98
028501	RT 48 06 06	6	M14x1	12	20	33	6	18	32,79
028502	RT 48 08 08	8	M16x1	14	21,5	35,7	8	20	39,56
028503	RT 48 10 10	10	M18x1	16	24	40,3	9,5	22	52,84
028504	RT 48 12 12	12	M20x1	19	28,5	44,5	10	24	17



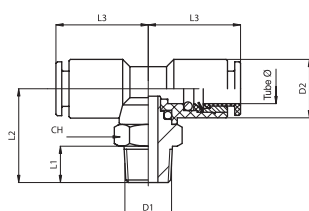
Equal elbow

Code	Item	Tube Ø	D1	L1	Weight (g.)
029141	RT 14 04 04	4	9,7	15	3
029142	RT 14 06 06	6	12	19	6
029143	RT 14 08 08	8	14	20,5	7
029144	RT 14 10 10	10	16	23,5	9
029145	RT 14 12 12	12	19	27	
029146	RT 14 14 14	14	22,5	31	



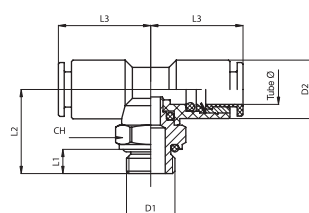
Plug-in elbow

Code	Item	Tube Ø	D1	D2	L1	L2	Weight (g.)
029514	RT 49 04 04	4	4	9,7	21,5	15,5	1,75
029515	RT 49 06 06	6	6	12	25,5	20	3,21
029516	RT 49 08 08	8	8	14	28,5	21,5	3,80
029517	RT 49 10 10	10	10	16	32,5	24	6,73
029518	RT 49 12 12	12	12	19	33	28,5	9,51
029519	RT 49 14 14	14	14	22,5	37	33	



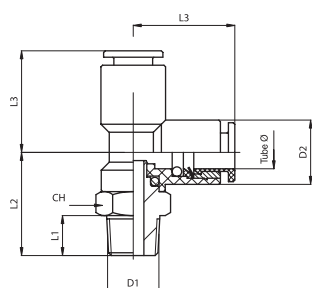
BSPT swivel tee
Body in acetal resin
Nickel plated brass screw with teflonated thread

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029261	RT 21 04 18	4	1/8"	9,7	7,5	17	15	10	9
029262	RT 21 04 14	4	1/4"	9,7	11	20,5	15	14	14
029263	RT 21 06 18	6	1/8"	12	7,5	18,5	19	12	12
029264	RT 21 06 14	6	1/4"	12	11	22,5	19	14	17
029265	RT 21 08 18	8	1/8"	14	7,5	20	20,5	14	16
029266	RT 21 08 14	8	1/4"	14	11	23,5	20,5	14	18
029267	RT 21 08 38	8	3/8"	14	11,5	24,5	20,5	17	25
029268	RT 21 10 14	10	1/4"	16,5	11	25,5	23,5	16	24
029269	RT 21 10 38	10	3/8"	16,5	11,5	26,5	23,5	17	26
029270	RT 21 12 38	12	3/8"	19	11,5	28,5	28,5	20	
029271	RT 21 12 12	12	1/2"	19	14	31,5	28,5	22	



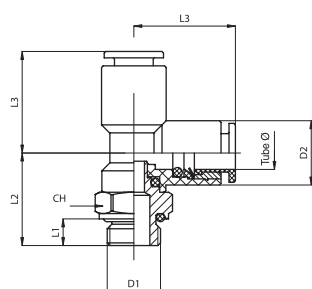
BSP swivel tee
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029281	RT 22 04 M5	4	M5	9,7	4	15	15	9	7
029282	RT 22 04 18	4	1/8"	9,7	5	15	15	13	10
029283	RT 22 04 14	4	1/4"	9,7	6,5	17	15	16	14
029284	RT 22 06 M5	6	M5	12	4	15	19	12	11
029285	RT 22 06 18	6	1/8"	12	5	16,5	19	13	12
029286	RT 22 06 14	6	1/4"	12	6,5	18,5	19	16	16
029287	RT 22 08 18	8	1/8"	14	5	17,5	20,5	14	14
029288	RT 22 08 14	8	1/4"	14	6,5	19,5	20,5	16	18
029289	RT 22 08 38	8	3/8"	14	7	21,5	20,5	20	26
029290	RT 22 10 14	10	1/4"	16,5	6,5	21,5	23,5	16	20
029291	RT 22 10 38	10	3/8"	16,5	7	23,5	23,5	20	28
029292	RT 22 12 38	12	3/8"	19	7	24	28,5	20	
029293	RT 22 12 12	12	1/2"	19	8,5	28,5	28,5	20	



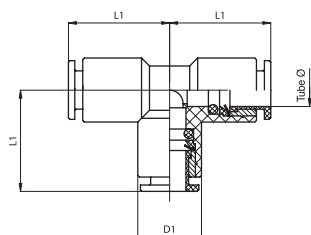
BSPT swivel side tee
Body in acetal resin
Nickel plated brass screw with teflonated thread

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029301	RT 23 04 18	4	1/8"	9,7	7,5	17	15	10	9
029302	RT 23 04 14	4	1/4"	9,7	11	20,5	15	14	14
029303	RT 23 06 18	6	1/8"	12	7,5	18,5	19	12	12
029304	RT 23 06 14	6	1/4"	12	11	22,5	19	14	17
029305	RT 23 08 18	8	1/8"	14	7,5	20	20,5	14	16
029306	RT 23 08 14	8	1/4"	14	11	23,5	20,5	14	22
029307	RT 23 08 38	8	3/8"	14	11,5	24,5	20,5	17	25
029308	RT 23 10 14	10	1/4"	16,5	11	25,5	23,5	16	23
029309	RT 23 10 38	10	3/8"	16,5	11,5	26,5	23,5	17	26



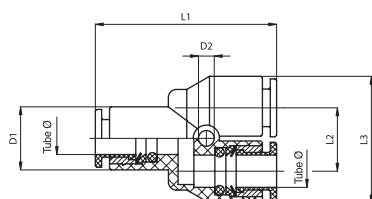
BSP swivel side tee
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	L1	L2	L3	CH	Weight (g.)
029321	RT 24 04 M5	4	M5	9,7	4	15	15	9	7
029322	RT 24 04 18	4	1/8"	9,7	5	15	15	13	9
029323	RT 24 04 14	4	1/4"	9,7	6,5	17	15	16	14
029324	RT 24 06 M5	6	M5	12	4	15	19	12	10
029325	RT 24 06 18	6	1/8"	12	5	16,5	19	13	12
029326	RT 24 06 14	6	1/4"	12	6,5	18,5	19	16	15
029327	RT 24 08 18	8	1/8"	14	5	17,5	20,5	14	14
029328	RT 24 08 14	8	1/4"	14	6,5	19,5	20,5	16	21
029329	RT 24 08 38	8	3/8"	14	7	21,5	20,5	20	26
029330	RT 24 10 14	10	1/4"	16,5	6,5	21,5	23,5	16	21
029331	RT 24 10 38	10	3/8"	16,5	7	23,5	23,5	20	27



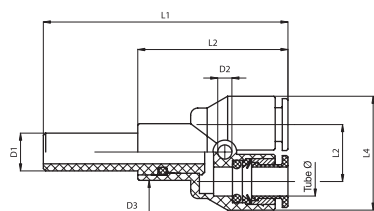
Equal tee

Code	Item	Tube Ø	D1	L1	Weight (g.)
029151	RT 15 04 04	4	9,7	15	6
029152	RT 15 06 06	6	12	19	9
029153	RT 15 08 08	8	14	20,5	10
029154	RT 15 10 10	10	16	23,5	13
029155	RT 15 12 12	12	19	27	
029156	RT 15 14 14	14	22,5	31	



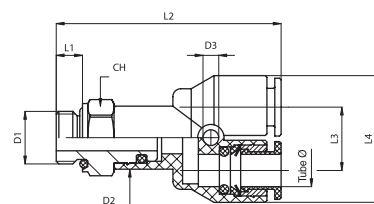
Y piece

Code	Item	Tube Ø	D1	D2	L1	L2	L3	Weight (g.)
029401	RT 29 04 04	4	9,7	2,7	27	10,7	20,5	5
029402	RT 29 06 06	6	12	3,2	34	13	25	9
029403	RT 29 08 08	8	14	3,2	36	15	29	11
029404	RT 29 10 10	10	16	3,2	41	18	34,5	14
029405	RT 29 12 12	12	19	3,2	46	21,5	40,5	15



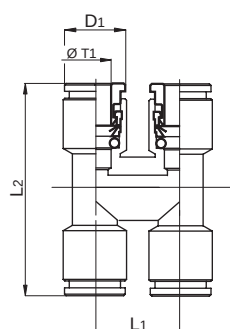
Stem Y

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	L4	Weight (g.)
029411	RT 30 04 04	4	4	2,7	9,7	40	25	10,7	20,5	5
029412	RT 30 04 06	4	6	2,7	9,7	43	25	10,7	20,5	5
029413	RT 30 04 08	4	8	2,7	9,7	45	25	10,7	20,5	6
029414	RT 30 06 06	6	6	3,2	12	50	32	13	25	8
029415	RT 30 08 08	8	8	3,2	14	54	34	15	29	11



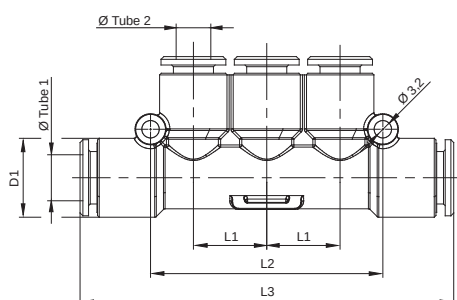
BSP swivel Y
Body in acetal resin
Nickel plated brass screw with sealing OR

Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g.)
029421	RT 31 04 M5	4	M5	9,7	2,7	4	34	10,7	20,5	9	9
029422	RT 31 04 18	4	1/8"	9,7	2,7	5	34	10,7	20,5	13	11
029423	RT 31 04 14	4	1/4"	9,7	2,7	6,5	36	10,7	20,5	16	14
029424	RT 31 06 18	6	1/8"	12	3,2	5	41	13	22,5	13	15
029425	RT 31 06 14	6	1/4"	12	3,2	6,5	43	13	25	16	19
029426	RT 31 08 18	8	1/8"	14	3,2	5	43	15	25	14	20
029427	RT 31 08 14	8	1/4"	14	3,2	6,5	45	15	29	16	22
029428	RT 31 08 38	8	3/8"	14	3,2	7	47	15	29	20	30



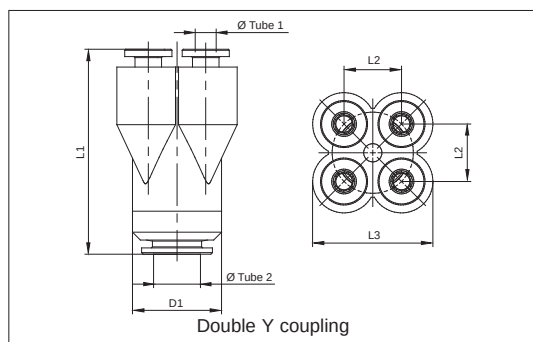
Equal swivel H

Code	Item	ØT1	D1	L1	L2	Weight (g.)
029507	RT 46 04 04	4	9,7	14	31,4	9,20
029508	RT 46 06 06	6	12	17	40,4	11,85
029509	RT 46 08 08	8	14	19,5	43,4	14,12
029510	RT 46 10 10	10	16	23	28	25,80

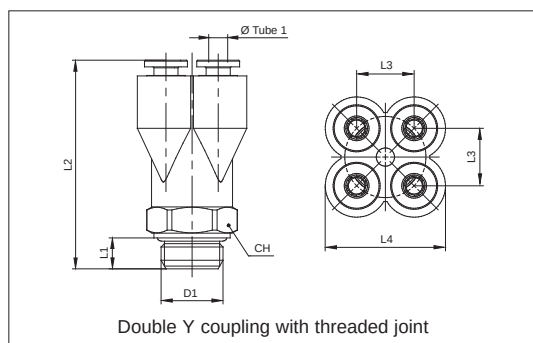


Manifold

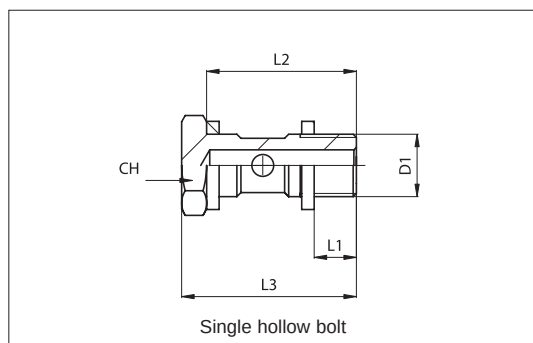
Code	Item	Ø Tube1	Ø Tube2	D1	L1	L2	L3	Weight (g.)
029462	RT 36 06 04	6	4	12	11	35	59	
029463	RT 36 08 06	8	6	14	13	41	66	



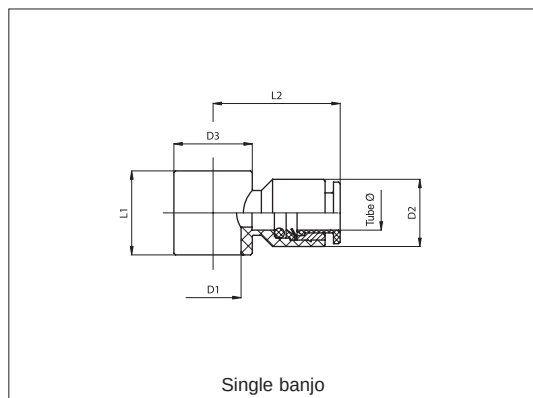
Code	Item	Tube1 Ø	Tube2 Ø	D1	L1	L2	L3	Weight (g.)
029406	RT 43 04 06	4	6	17	38	11	24	27,80
029408	RT 43 04 08	4	8	17	38	11	24	25,00



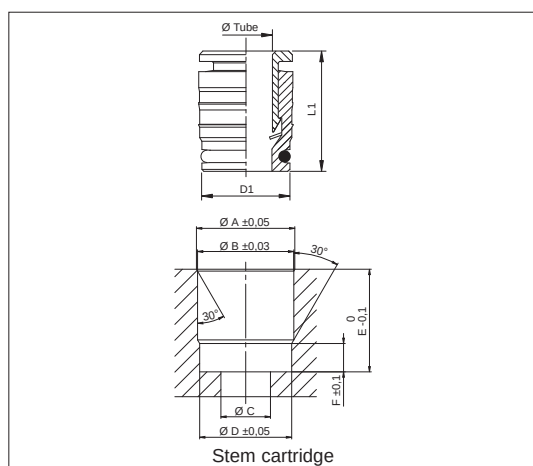
Code	Item	Tube Ø	D1	L1	L2	L3	L4	CH	Weight (g.)
029409	RT 44 04 18	4	1/8"	5	41	11	24	17	32,80
029410	RT 44 04 14	4	1/4"	6,5	43	11	24	17	32,00



Code	Item	D1	L1	L2	L3	CH
020671	R 31 00 M5	M5	4	16	19	8
020672	R 31 00 18	1/8"	5	23	27	14
020673	R 31 00 14	1/4"	6,5	26,5	31,5	17
020674	R 31 00 38	3/8"	7	30	36	20
020675	R 31 00 12	1/2"	15	37	43	26



Code	Item	Tube Ø	D1	D2	D3	L1	L2	Weight (g.)
029391	RT 28 04 M5	4	M5	9,7	9,7	10	17	2
029400	RT 28 04 M5R	4	7	9,7	9,7	10	17,6	2
029392	RT 28 04 18	4	1/8"	9,7	15	15	18,5	3
029407	RT 28 06 M5R	6	7	12	9,7	10	21,5	3
029393	RT 28 06 18	6	1/8"	12	15	15	22	4
029394	RT 28 06 14	6	1/4"	12	18	17	23,5	5
029395	RT 28 08 18	8	1/8"	14	15	15	22,5	5
029396	RT 28 08 14	8	1/4"	14	18	17	24	6
029397	RT 28 08 38	8	3/8"	14	23	20	26	8
029398	RT 28 10 14	10	1/4	16,5	18	17	26	7
029399	RT 28 10 38	10	3/8"	16,5	23	20	28	9



Code	Item	Tube Ø	D1	L1	Weight (g.)
029451	RT 34 04 04	4	9	14,5	3,6
029452	RT 34 06 06	6	11,5	16,5	5,7
029453	RT 34 08 08	8	13,5	17	7,9
029454	RT 34 10 10	10	15,5	18,5	10,3

Cartridges seat drilling plan

Tube Ø	Ø A	Ø B	Ø C	Ø D	E	F
4	9,5	9,2	3	8,6	12	3,2
6	11,7	11,4	5	10,8	14	4
8	13,9	13,6	7	13	14,5	4
10	16	15,7	9	15,1	16	4

Rapid fittings series C

In nickel plated brass



Version	Type	Version	Type
BSPT stud	C11	Single banjo tee	C36
BSPT swivel stud	C29	BSPT lateral tee	C21
BSP stud	C12	Equal tee	C19
Female BSP stud	C13	Equal X	C22
Union	C14	Single banjo	C23
Bulkhead	C15	Double banjo	C24
BSPT elbow	C16	Single hollow bolt	R31
BSP elbow	C40	Double hollow bolt	R32
Single banjo elbow	C34	Single banjo	C37
Female elbow	C17	Double banjo	C38
Equal elbow	C18	Single banjo bolt	C25
BSPT tee	C20	Double banjo bolt	C26
BSP swivel tee hex wrench	C31	Nut	C27
		Nut with spring	C32



Series of rapid fittings for connecting nylon and polyurethane tubes.

They should be used in all those applications where a safer tube-fitting connection is required.

Available in various configurations (studs, elbows, T) and with threads Gas taper (BSPT) and Gas parallel (BSP).

For sealing washers (parallel threads) see page 4.65.41.

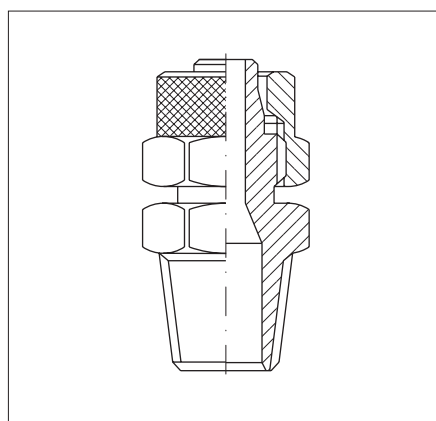
*How to order: C110618

C11	06	18
Type	Tube Ø code	Tube or thread code

* For standard items, codes and dimensions see tables from page 4.20.2

External tube (mm)	4	5	6	8	10	12	15
Code	04	05	06	08	10	12	15

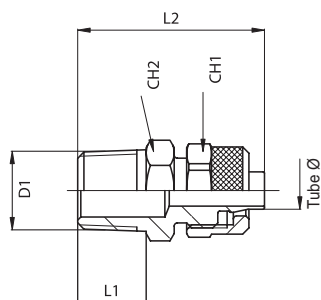
Threads	M5	1/8"	1/4"	3/8"	1/2"	M12x1	M12x1,25	M12x1,5
Code	M5	18	14	38	12	12x1	12x1,25	12x1,5



Technical data	
Fluid	Compressed air
Pressure range	Nominal pressure of fittings is always higher than tubes max one
Temperature range	-20 °C ÷ + 90°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Connection tubes	Calibrated nylon, polyethylene, polyurethane and rilsan
Tube tolerances	from Ø 4 mm to 10 mm: ± 0,05 mm - Ø 12 mm and 15 mm: ± 0,1 mm
Materials	Body and nut: Nickel plated brass Seals: O-ring in nitrile rubber (NBR) where provided Washers: In acetal resin where provided

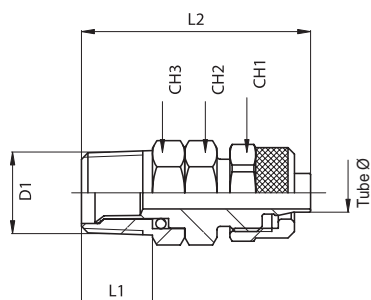
Rapid fittings series C

In nickel plated brass



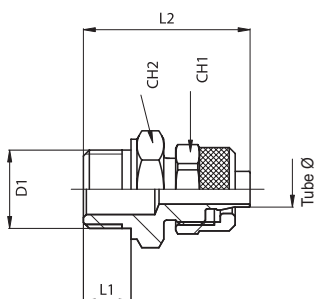
BSPT stud

Code	Item	Tube Ø	D1	L1	L2	CH1	CH2
021001	C 11 04 18	4-2,5	1/8"	7,5	23	7	11
021003	C 11 05 18	5-3	1/8"	7,5	25,5	12	11
021004	C 11 06 18	6-4	1/8"	7,5	25,5	12	11
021005	C 11 06 14	6-4	1/4"	11	29	12	14
021006	C 11 06 38	6-4	3/8"	11,5	31	12	17
021007	C 11 08 18	8-6	1/8"	7,5	26,5	14	13
021008	C 11 08 14	8-6	1/4"	11	30	14	14
021009	C 11 08 38	8-6	3/8"	11,5	31	14	17
021010	C 11 10 14	10-8	1/4"	11	32,5	16	14
021011	C 11 10 38	10-8	3/8"	11,5	33	16	17
021012	C 11 10 12	10-8	1/2"	14	36,5	16	22
021013	C 11 12 38	12-10	3/8"	11,5	34,5	19	17
021014	C 11 12 12	12-10	1/2"	14	38	19	22
021015	C 11 15 12	15-12,5	1/2"	14	40,5	22	22
021016	C 11 10 18	10-8	1/8"	7,5	29	16	14



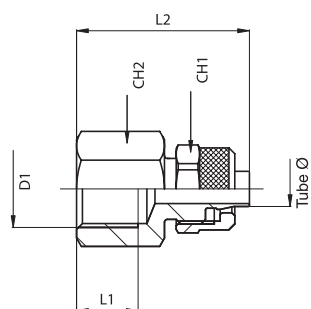
Swivel BSPT stud

Code	Item	Tube Ø	D1	L1	L2	CH1	CH2	CH3
021421	C 29 06 18	6-4	1/8"	8	71	12	12	12
021422	C 29 06 14	6-4	1/4"	11	40	12	14	14
021423	C 29 08 18	8-6	1/8"	8	37	14	12	12
021424	C 29 08 14	8-6	1/4"	11	40	14	14	14
021425	C 29 10 14	10-8	1/4"	11	42	16	14	14



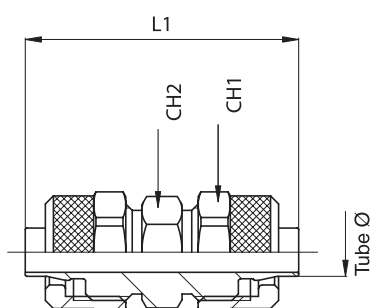
BSP stud

Code	Item	Tube Ø	D1	L1	L2	CH1	CH2
021030	C 12 04 M5	4-2,5	M5	5	19	7	7
021031	C 12 04 18	4-2,5	1/8"	6	22	7	14
021032	C 12 05 M5	5-3	M5	5	21	8	8
021033	C 12 05 18	5-3	1/8"	6	24,5	12	14
021034	C 12 06 M5	6-4	M5	5	21	9	8
021035	C 12 06 18	6-4	1/8"	6	24,5	12	14
021036	C 12 06 14	6-4	1/4"	8	27	12	17
021046	C 12 06 38	6-4	3/8"	9	29	12	20
021037	C 12 08 18	8-6	1/8"	6	25,5	14	14
021038	C 12 08 14	8-6	1/4"	6	28	14	17
021039	C 12 08 38	8-6	3/8"	9	29	14	20
021047	C 12 10 18	10-8	1/8"	6	29	16	14
021040	C 12 10 14	10-8	1/4"	8	30	16	17
021041	C 12 10 38	10-8	3/8"	9	31	16	20
021042	C 12 10 12	10-8	1/2"	10	33	16	24
021043	C 12 12 38	12-10	3/8"	9	32,5	19	20
021044	C 12 12 12	12-10	1/2"	10	34,5	19	24
021045	C 12 15 12	15-12,5	1/2"	10	36,5	22	24
021049	C 12 06 12x1,25	6-4	12x1,25	15	34	12	14
021050	C 12 06 12x1,5	6-4	12x1,5	15	34	12	14



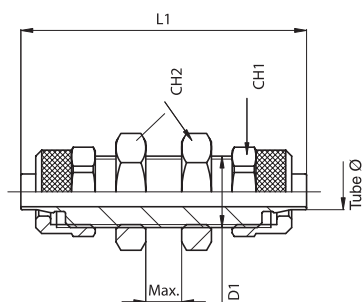
Female BSP stud

Code	Item	Tube Ø	D1	L1	L2	CH1	CH2
021062	C 13 05 18	5-3	1/8"	7,5	26	12	14
021063	C 13 06 18	6-4	1/8"	7,5	26	12	14
021064	C 13 06 14	6-4	1/4"	11	28,5	12	17
021065	C 13 08 18	8-6	1/8"	7,5	27	14	14
021066	C 13 08 14	8-6	1/4"	11	29,5	14	17
021067	C 13 08 38	8-6	3/8"	11,5	30,5	14	20
021068	C 13 10 14	10-8	1/4"	11	31,5	16	17
021069	C 13 10 38	10-8	3/8"	11,5	32,5	16	20
021070	C 13 12 38	12-10	3/8"	11,5	34	19	20
021071	C 13 10 18	10-8	1/8"	7,5	29,5	16	14



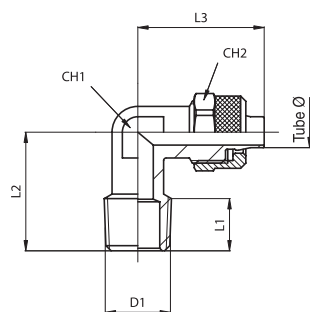
Union

Code	Item	Tube Ø	L1	CH1	CH2
021092	C 14 05 05	5-3	33	12	11
021093	C 14 06 06	6-4	33	12	11
021094	C 14 08 08	8-6	35	14	12
021095	C 14 10 10	10-8	39	16	14
021096	C 14 12 12	12-10	42	19	16
021097	C 14 15 15	15-12,5	47	22	22



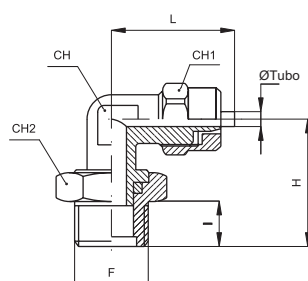
Bulkhead

Code	Item	Tube Ø	D1	L1	max	CH1	CH2
021112	C 15 05 05	5-3	10x1	45	8	12	14
021113	C 15 06 06	6-4	10x1	45	8	12	14
021114	C 15 08 08	8-6	12x1	48	8	14	17
021115	C 15 10 10	10-8	14x1	50	7	16	17
021116	C 15 12 12	12-10	16x1	55	7	19	20
021117	C 15 15 15	15-12,5	20x1	58	5	22	24



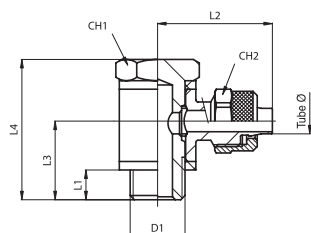
BSPT elbow

Code	Item	Tube Ø	D1	L1	L2	L3	CH1	CH2
021146	C 16 04 M5	4-2,5	M5	5	15,5	20	9	7
021131	C 16 04 18	4-2,5	1/8"	7,5	17,5	20	9	7
021133	C 16 05 18	5-3	1/8"	7,5	17,5	22	9	12
021134	C 16 06 18	6-4	1/8"	7,5	17,5	22	9	12
021135	C 16 06 14	6-4	1/4"	11	21	22	9	12
021136	C 16 06 38	6-4	3/8"	11,5	24,5	24	12	12
021137	C 16 08 18	8-6	1/8"	7,5	20,5	24,5	12	14
021138	C 16 08 14	8-6	1/4"	11	24	24,5	12	14
021139	C 16 08 38	8-6	3/8"	11,5	24,5	24,5	12	14
021140	C 16 10 18	10-8	1/8"	7,5	21	27	12	16
021141	C 16 10 14	10-8	1/4"	11	24	27	12	16
021142	C 16 10 38	10-8	3/8"	11,5	24,5	27	12	16
021143	C 16 12 38	12-10	3/8"	11,5	26,5	30,5	14	19
021144	C 16 12 12	12-10	1/2"	14	30	34	17	19
021145	C 16 15 12	15-12,5	1/2"	14	30	35	17	22
021148	C 16 06 12x1,25	6-4	12x1,25	13	21	22	9	12
021149	C 16 06 12x1,5	6-4	12x1,5	13	21	22	9	12



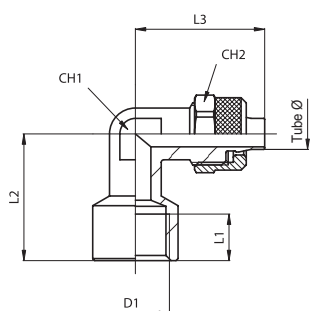
BSP elbow

Code	Item	Tube Ø	F	I	H	L	CH	CH1	CH2
021171	C 40 06 18	6-4	1/8"	6	22,5	22,5	8	12	14
021172	C 40 06 14	6-4	1/4"	8	25	23,5	10	12	17
021173	C 40 08 18	8-6	1/8"	6	22,5	23,5	10	14	14
021174	C 40 08 14	8-6	1/4"	8	25	23,5	10	14	17
021175	C 40 10 14	10-8	1/4"	8	25,5	25,5	11	16	17
021176	C 40 06 M5	6-4	M5	5	22	22,5	8	12	8



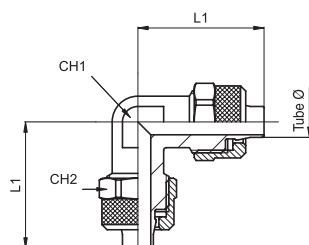
Single banjo elbow

Code	Item	Tube Ø	D1	L1	L2	L3	L4	CH1	CH2
021501	C 34 04 M5	4-2,5	M5	4	15,5	9,5	18,5	8	7
021502	C 34 04 18	4-2,5	1/8"	6	21	16,5	28	14	7
021503	C 34 05 M5	5-3	M5	4	17	9,5	18,5	8	8
021504	C 34 05 18	5-3	1/8"	6	25	16,5	28	14	8
021505	C 34 06 M5	6-4	M5	4	17	9,5	18,5	8	9
021506	C 34 06 18	6-4	1/8"	6	25	16,5	28	14	12
021507	C 34 06 14	6-4	1/4"	8	26,5	19,5	33	17	12
021508	C 34 08 18	8-6	1/8"	6	25	16,5	28	14	14
021509	C 34 08 14	8-6	1/4"	8	27,5	19,5	33	17	14
021510	C 34 08 38	8-6	3/8"	9	29,5	23,5	38	20	14
021511	C 34 10 14	10-8	1/4"	8	28,5	19,5	33	17	16
021512	C 34 10 38	10-8	3/8"	9	30,5	23,5	38	20	16
021513	C 34 10 12	10-8	1/2"	10	35,5	26,5	43	26	16
021514	C 34 12 38	12-10	3/8"	9	32	23,5	38	20	19
021515	C 34 12 12	12-10	1/2"	10	35	26,5	43	26	19
021516	C 34 15 12	15-12,5	1/2"	10	35	26,5	43	26	22



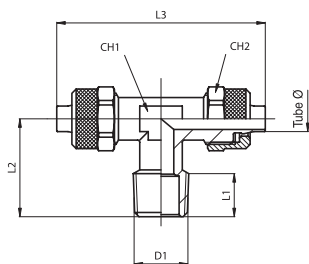
Female elbow

Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃	CH ₁	CH ₂
021161	C 17 05 18	5-3	1/8"	7,5	21	22	9	12
021162	C 17 06 18	6-4	1/8"	7,5	21	22	9	12
021163	C 17 06 14	6-4	1/4"	11	24,5	24	14	12
021164	C 17 08 18	8-6	1/8"	7,5	24	24,5	12	14
021165	C 17 08 14	8-6	1/4"	11	24,5	25	12	14
021166	C 17 10 14	10-8	1/4"	11	24,5	27	12	16
021167	C 17 12 38	12-10	3/8"	11,5	30	34	17	19



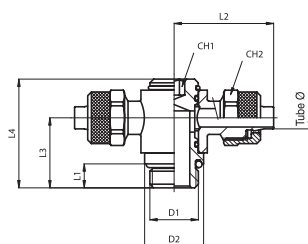
Equal elbow

Code	Item	Tube Ø	L ₁	L ₂	CH ₁	CH ₂
021182	C 18 05 05	5-3	22	22	9	12
021183	C 18 06 06	6-4	22	22	9	12
021184	C 18 08 08	8-6	24,5	24,5	12	14
021185	C 18 10 10	10-8	27	27	12	16
021186	C 18 12 12	12-10	30,5	30,5	14	19
021187	C 18 15 15	15-12,5	35	35	17	22



BSPT tee

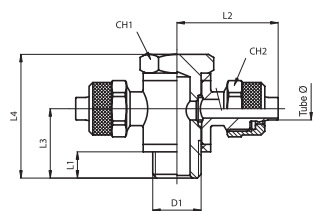
Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃	CH ₁	CH ₂
021222	C 20 05 18	5-3	1/8"	7,5	17,5	44	9	12
021223	C 20 06 18	6-4	1/8"	7,5	17,5	44	9	12
021224	C 20 06 14	6-4	1/4"	11	21	44	9	12
021225	C 20 08 18	8-6	1/8"	7,5	20,5	49	12	14
021226	C 20 08 14	8-6	1/4"	11	24	49	12	14
021227	C 20 10 14	10-8	1/4"	11	24	54	12	16
021228	C 20 10 38	10-8	3/8"	11,5	24,5	54	12	16
021229	C 20 12 38	12-10	3/8"	11,5	26,5	61	14	19
021230	C 20 12 12	12-10	1/2"	14	30	68	17	19
021231	C 20 15 12	15-12,5	1/2"	14	30	70	17	22



BSP swivel tee hex wrench

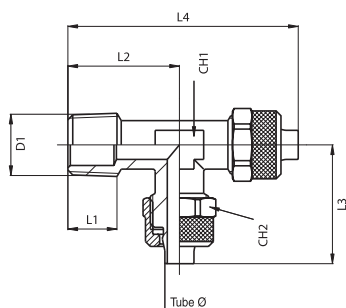
Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₃	L ₂	L ₄	CH ₁	CH ₂
021461	C 31 06 18	6-4	1/8"	14	6	25	16	25	6	12
021462	C 31 06 14	6-4	1/4"	17	8	26,5	18,5	27,5	6	12
021463	C 31 08 18	8-6	1/8"	14	6	25	16	25	6	14
021464	C 31 08 14	8-6	1/4"	17	8	27,5	18,5	27,5	6	14
021465	C 31 10 14	10-8	1/4"	17	8	28,5	22	33	8	16
021466	C 31 10 38	10-8	3/8"	21	9	30,5	23,5	34,5	8	16
021467	C 31 12 38	12-10	3/8"	21	9	32	25,5	36,5	10	19
021468	C 31 12 12	12-10	1/2"	26	10	35	27,5	38,5	10	19

Rapid fittings series C In nickel plated brass



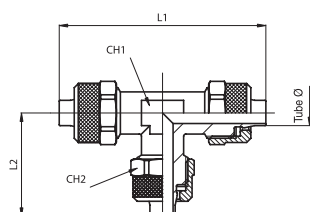
Single banjo tee

Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃	L ₄	CH ₁	CH ₂
021546	C 36 05 M5	5-3	M5	4	17	9,5	18,5	8	8
021547	C 36 05 18	5-3	1/8"	6	25	16,5	28	14	12
021548	C 36 06 M5	6-4	M5	4	17	9,5	18,5	8	9
021549	C 36 06 18	6-4	1/8"	6	25	16,5	28	14	12
021550	C 36 06 14	6-4	1/4"	8	26,5	19,5	33	17	12
021551	C 36 08 18	8-6	1/8"	6	25	16,5	28	14	14
021552	C 36 08 14	8-6	1/4"	8	27,5	19,5	33	17	14
021553	C 36 08 38	8-6	3/8"	9	29,5	23,5	38	20	14
021554	C 36 10 14	10-8	1/4"	8	28,5	19,5	33	17	16
021555	C 36 10 38	10-8	3/8"	9	30,5	23,5	38	20	16



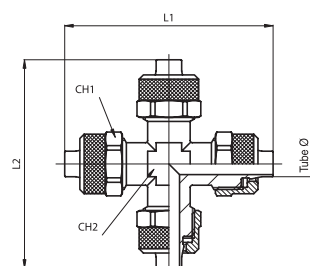
BSPT lateral tee

Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃	L ₄	CH ₁	CH ₂
021252	C 21 05 18	5-3	1/8"	7,5	17,5	22	39,5	9	12
021253	C 21 06 18	6-4	1/8"	7,5	17,5	22	39,5	9	12
021254	C 21 06 14	6-4	1/4"	11	21	22	43	9	12
021255	C 21 08 18	8-6	1/8"	7,5	20,5	24,5	43	12	14
021256	C 21 08 14	8-6	1/4"	11	24	24,5	48,5	12	14
021257	C 21 10 14	10-8	1/4"	11	24	27	51	12	16
021258	C 21 10 38	10-8	3/8"	11,5	24,5	27	51,5	12	16
021259	C 21 12 38	12-10	3/8"	11,5	26,5	30,5	57	14	16
021260	C 21 12 12	12-10	1/2"	14	30	34	64	17	19
021261	C 21 15 12	15-12,5	1/2"	14	30	35	65	17	22



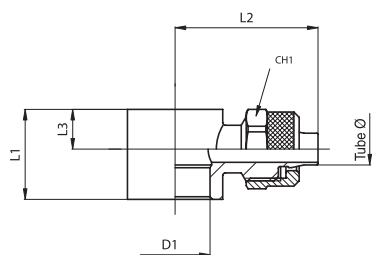
Equal tee

Code	Item	Tube Ø	L ₁	L ₂	CH ₁	CH ₂
021202	C 19 05 05	5-3	44	22	9	12
021203	C 19 06 06	6-4	44	22	9	12
021204	C 19 08 08	8-6	49	24,5	12	14
021205	C 19 10 10	10-8	54	27	12	16
021206	C 19 12 12	12-10	61	30,5	14	19
021207	C 19 15 15	15-12,5	70	35	17	22



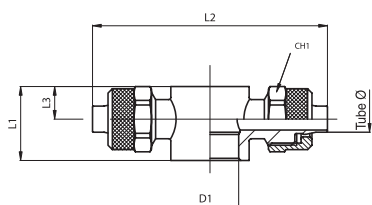
Equal +

Code	Item	Tube Ø	L ₁	L ₂	CH ₁	CH ₂
021281	C 22 05 05	5-3	44	44	12	10
021282	C 22 06 06	6-4	44	44	12	10
021283	C 22 08 08	8-6	49	24,5	14	10
021284	C 22 10 10	10-8	54	49	16	12
021285	C 22 12 12	12-10	61	61	19	14
021286	C 22 15 15	15-12,5	70	70	22	17



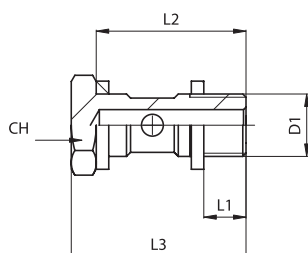
Single banjo *

Code	Item	Tube Ø	D1	L1	L2	L3	CH1
021317	C 23 04 M5	4-2,5	5,1	9	16	4,5	7
021318	C 23 04 18	4-2,5	10	15	21,5	6	7
021301	C 23 05 M5	5-3	5,1	9	19	4,5	8
021302	C 23 05 5R	5-3	7H7	10	19	4	8
021303	C 23 05 18	5-3	10	15	25	6	12
021304	C 23 06 M5	6-4	5,1	9	19	4	9
021305	C 23 06 5R	6-4	7H7	10	19	4,5	9
021306	C 23 06 18	6-4	10	15	25	6	12
021307	C 23 06 14	6-4	13,2	17	26,5	7,5	12
021308	C 23 08 18	8-6	10	15	25	6	14
021309	C 23 08 14	8-6	13,2	17	27,5	7,5	14
021310	C 23 08 38	8-6	17	20	29,5	7,5	14
021311	C 23 10 14	10-8	13,2	17	28,5	7,5	16
021312	C 23 10 38	10-8	17	20	30,5	7,5	16



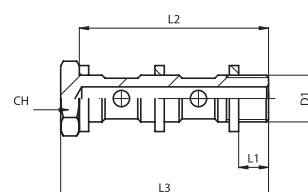
Double banjo *

Code	Item	Tube Ø	D1	L1	L2	L3	CH1
021331	C 24 05 05	5-3	5,1	9	34	4,5	8
021332	C 24 05 18	5-3	10	15	50	6	12
021333	C 24 06 05	6-4	5,1	9	34	4,5	9
021334	C 24 06 18	6-4	10	15	50	6	12
021335	C 24 06 14	6-4	13,2	17	53	7,5	12
021336	C 24 08 18	8-6	10	15	50	6	14
021337	C 24 08 14	8-6	13,2	17	55	7,5	14
021338	C 24 08 38	8-6	17	20	59	7,5	14
021339	C 24 10 14	10-8	13,2	17	57	7,5	16
021340	C 24 10 38	10-8	17	20	61	7,5	16



Single hollow bolt *

Code	Item	D1	L1	L2	L3	CH
020671	R 31 00 M5	M5	4	16	19	8
020672	R 31 00 18	1/8"	5	23	27	14
020673	R 31 00 14	1/4"	6,5	26,5	31,5	17
020674	R 31 00 38	3/8"	7	30	36	20
020675	R 31 00 12	1/2"	8,5	35,5	41,5	26



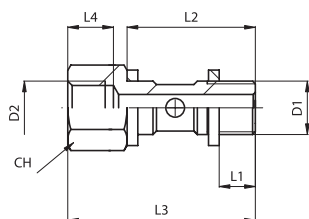
Double hollow bolt *

Code	Item	D1	L1	L2	L3	CH
020691	R 32 00 18	1/8"	5	39,5	42,5	14
020692	R 32 00 14	1/4"	6,5	45	50	17
020693	R 32 00 38	3/8"	7	51,5	57,5	20
020694	R 32 00 12	1/2"	8,5	61	67	26

***ATTENTION:**

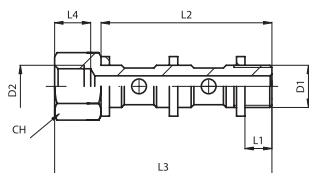
The coupling banjo/banjo bolt is only possible among:
C 23 - C 24 and R 31 - R 32 - R 59 - R 60
C 37 - C 38 and C 25 - C 26





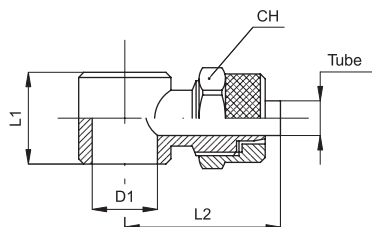
Single M/F banjo bolt

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	CH
020701	R 59 00 18	1/8"	1/8"	5	23	35	8	14
020702	R 59 00 14	1/4"	1/4"	6,5	26,5	40,5	10	17
020703	R 59 00 38	3/8"	3/8"	7	30	45	11	20



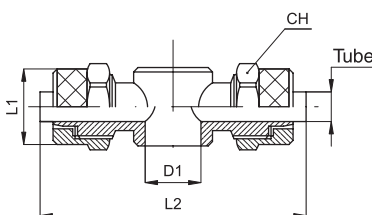
Double M/F banjo bolt

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	CH
020705	R 60 00 18	1/8"	1/8"	5	39,5	51,5	8	14
020706	R 60 00 14	1/4"	1/4"	6,5	45	59	10	17
020707	R 60 00 38	3/8"	3/8"	7	51,5	66,5	11	20



Single banjo *

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH
021321	C 37 05 M5	5-3	5,1	9	17	8
021322	C 37 05 18	5-3	9,8	14,5	22,5	8
021323	C 37 06 M5	6-4	5,1	9	18	9
021324	C 37 06 18	6-4	9,8	14,5	24	12
021325	C 37 06 14	6-4	13,2	14,5	26	12
021326	C 37 08 18	8-6	9,8	14,5	24	14
021327	C 37 08 14	8-6	13,2	14,5	26	14
021328	C 37 10 14	10-8	13,2	14,5	27,5	16



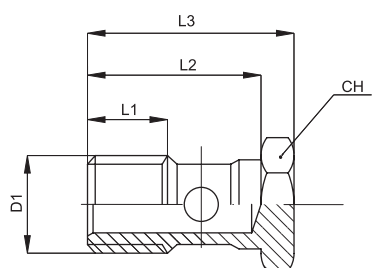
Double banjo *

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH
021351	C 38 05 18	5-3	9,8	14,5	45	8
021352	C 38 06 18	6-4	9,8	14,5	48	12
021353	C 38 06 14	6-4	13,2	14,5	52	12
021354	C 38 08 18	8-6	9,8	14,5	48	14
021355	C 38 08 14	8-6	13,2	14,5	53	14
021356	C 38 10 14	10-8	13,2	14,5	55	16

***ATTENTION:**

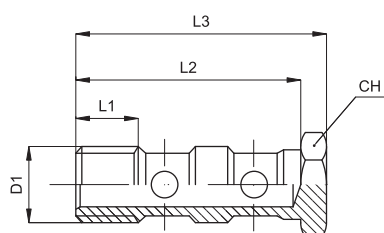
The coupling banjo/banjo bolt is only possible among:
C 23 - C 24 and R 31 - R 32 - R 59 - R 60
C 37 - C 38 and C 25 - C 26





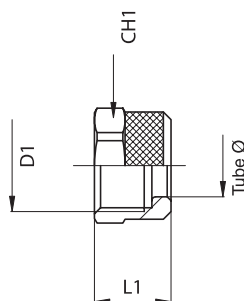
Single banjo bolt *

Code	Item	D ₁	L ₁	L ₂	L ₃	CH
020681	C 25 00 05	M5	4	14,5	18	8
020682	C 25 00 18	1/8"	8	23	27	14
020683	C 25 00 14	1/4"	11	25	29,5	17



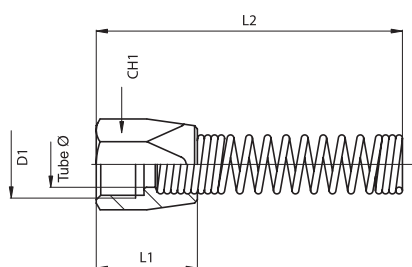
Double banjo bolt *

Code	Item	D ₁	L ₁	L ₂	L ₃	CH
020696	C 26 00 18	1/8"	8	39	43	14
020697	C 26 00 14	1/4"	11	41	45,5	17



Nut *

Code	Item	Tube Ø	D ₁	L ₁	CH ₁
021409	C 27 04 07	4,10	M6x0,75	8	7
021401	C 27 05 08	5,10	M7x0,75	9	8
021402	C 27 06 08	6,10	M8x0,75	9	9
021404	C 27 06 10	6,10	M10x1	10	12
021405	C 27 08 12	8,15	M12x1	10	14
021406	C 27 10 14	10,25	M14x1	11	16
021407	C 27 12 16	12,30	M16x1	12	19
021408	C 27 15 20	15,30	M20x1	13	22



Nut with spring *

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH ₁
021481	C 32 06 04	6-4	M10x1	17	87	12
021482	C 32 08 06	8-6	M12x1	18	98	14
021483	C 32 10 08	10-8	M14x1	21	110	16

***ATTENTION:**

The coupling banjo/banjo bolt is only possible among:
C 23 - C 24 and R 31 - R 32 - R 59 - R 60
C 37 - C 38 and C 25 - C 26



Compression fittings series O

In nickel plated brass



Version	Type	Version	Type
BSPT stud	O11	Equal elbow	O17
BSP stud	O12	BSPT tee	O19
Female BSP stud	O13	BSPT lateral tee	O20
Union	O14	Equal tee	O18
Reducer	O26	Single banjo bolt	C25
BSP stem adapter	O24	Double banjo bolt	C26
Bulkhead	O15	Single banjo	O25
BSPT elbow	O16	Nut	O21
Female elbow	O27	Ogive	O22
		Tube insert	O23



Series of compression fittings for brass tubes.
 The ogive crushing onto the tube, by screwing down the external nut, allows to get a safe connection and to work even at high pressures.
 The ogive is single cone.
 The fittings seats, the ogives and the nuts are conforming to DIN 3870 - 3861 standards.
 This series of fittings can also be used for connecting non-stiff tubes (rilsan, polyurethane, nylon etc.) and this by applying a tube insert inside the tube.
 Available with threads Gas taper (BSPT) and Gas parallel (BSP).
 For sealing washers (parallel threads) see page 4.65.41.

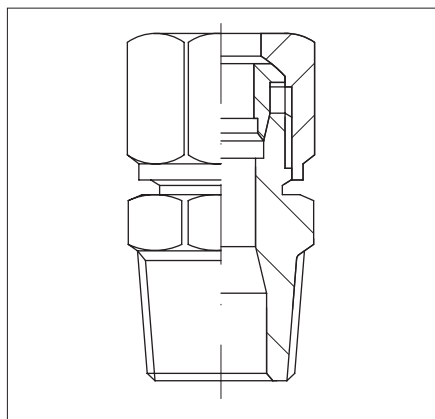
*How to order: O160618

O16	06	18
Type	Tube Ø code	Tube or thread code

* For standard items, codes and dimensions see tables from page 4.25.2

External tube (mm)	4	5	6	8	10	12	15
Code	04	05	06	08	10	12	15

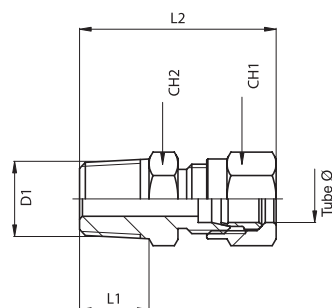
Threads	1/8"	1/4"	3/8"	1/2"
Code	18	14	38	12



Technical data	
Fluid	Compressed air
Pressure range	According to the tube used. Maximum 60 bar
Temperature range	According to the tube used
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI - ISO 7 / 1 (BSPT)
Connection tubes	Metal or Rilsan, Nylon, Polyurethane, Polyethylene (with insert tube)
Materials	Body and nut: Nickel plated brass Ogive: Brass

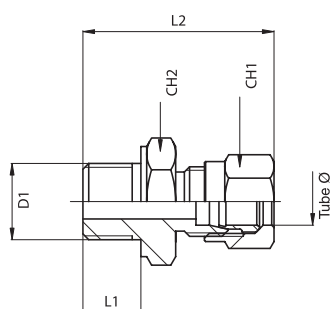
Compression fittings series O

In nickel plated brass



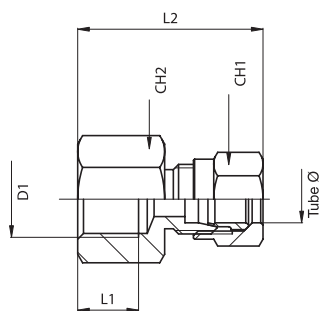
BSPT stud

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH ₁	CH ₂
021701	O 11 04 18	4	1/8"	8	27	10	10
021702	O 11 05 18	5	1/8"	8	28	12	11
021703	O 11 06 18	6	1/8"	8	28	12	12
021704	O 11 06 14	6	1/4"	11	33	12	14
021705	O 11 08 18	8	1/8"	8	30	14	12
021706	O 11 08 14	8	1/4"	11	33	14	14
021712	O 11 08 38	8	3/8"	12	33	14	17
021707	O 11 10 14	10	1/4"	11	37,5	19	17
021708	O 11 10 38	10	3/8"	11,5	38	19	17
021709	O 11 12 38	12	3/8"	11,5	39	22	19
021710	O 11 12 12	12	1/2"	14	41	22	22
021711	O 11 15 12	15	1/2"	14	44,5	27	22



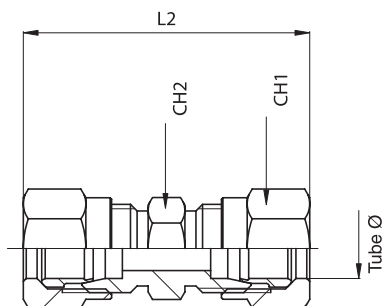
BSP stud

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH ₁	CH ₂
021742	O 12 04 M5	4	M5	5	26	10	9
021731	O 12 04 18	4	1/8"	6	25	10	14
021732	O 12 05 18	5	1/8"	8	29	12	14
021733	O 12 06 18	6	1/8"	6	26	12	14
021734	O 12 06 14	6	1/4"	8	29,5	12	17
021735	O 12 08 18	8	1/8"	6	26,5	14	14
021736	O 12 08 14	8	1/4"	8	30	14	17
021737	O 12 10 14	10	1/4"	8	34,5	19	17
021738	O 12 10 38	10	3/8"	9	36	19	19
021739	O 12 12 38	12	3/8"	10	39	22	22
021740	O 12 12 12	12	1/2"	12	42	22	27
021741	O 12 15 12	15	1/2"	12	43	27	27



Female BSP stud

Code	Item	Tube Ø	D ₁	L ₁	L ₂	CH ₁	CH ₂
021761	O 13 04 18	4	1/8"	10	29	10	14
021762	O 13 05 18	5	1/8"	10	29	12	14
021763	O 13 06 18	6	1/8"	10	29	12	14
021764	O 13 06 14	6	1/4"	12	31	12	19
021765	O 13 08 18	8	1/8"	10	30	14	14
021766	O 13 08 14	8	1/4"	12	32	14	19
021767	O 13 10 14	10	1/4"	12	36	19	19
021768	O 13 10 38	10	3/8"	12	38	19	22

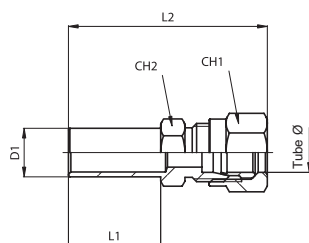


Union

Code	Item	Tube Ø	L ₂	CH ₁	CH ₂
021791	O 14 04 04	4	36	10	9
021792	O 14 05 05	5	36	12	11
021793	O 14 06 06	6	36	12	11
021794	O 14 08 08	8	38	14	12
021795	O 14 10 10	10	48	19	17
021796	O 14 12 12	12	50	22	19
021797	O 14 15 15	15	53	27	24

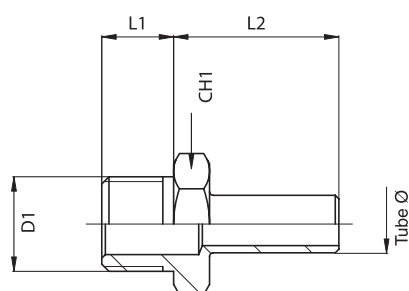
Compression fittings series O

In nickel plated brass



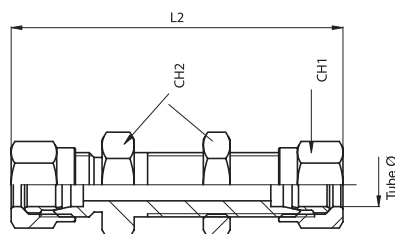
Reducer

Code	Item	Tube Ø	D1	L1	L2	CH1	CH2
022061	O 26 06 08	6	8	18	38	12	12
022062	O 26 06 10	6	10	19	39	12	12
022063	O 26 08 10	8	10	19	41	14	12
022064	O 26 08 12	8	12	19	41	14	14



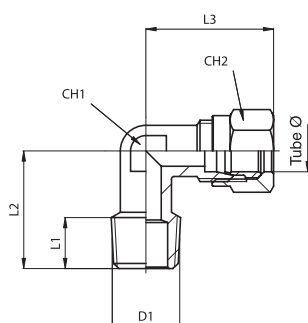
BSP stem adapter

Code	Item	Tube Ø	D1	L1	L2	CH1
022041	O 24 04 18	4	1/8"	8	19	14
022042	O 24 05 18	5	1/8"	8	22	14
022043	O 24 06 18	6	1/8"	8	22	14
022044	O 24 06 14	6	1/4"	10	22	17
022045	O 24 08 18	8	1/8"	8	23	14
022046	O 24 08 14	8	1/4"	10	23	17
022047	O 24 10 14	10	1/4"	10	27	17
022048	O 24 10 38	10	3/8"	10	27	22
022049	O 24 12 38	12	3/8"	10	27	22
022050	O 24 12 12	12	1/2"	12	27	27



Bulkhead

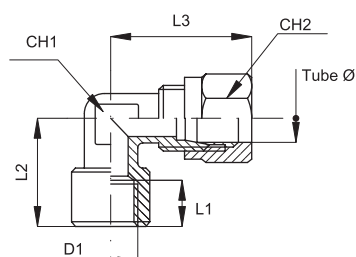
Code	Item	Tube Ø	L	CH1	CH2
021811	O 15 04 04	4	57	10	12
021812	O 15 05 05	5	60	12	14
021813	O 15 06 06	6	60	12	14
021814	O 15 08 08	8	62	14	17
021815	O 15 10 10	10	72	19	19
021816	O 15 12 12	12	75	22	22
021817	O 15 15 15	15	79	27	27



BSPT elbow

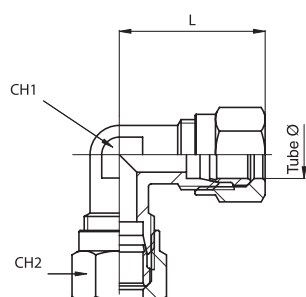
Code	Item	Tube Ø	D1	L1	L2	L3	CH1	CH2
021831	O 16 04 18	4	1/8"	8	17	22	7	10
021832	O 16 05 18	5	1/8"	8	17	23	9	12
021833	O 16 06 18	6	1/8"	8	17	23	9	12
021834	O 16 06 14	6	1/4"	12	21	23	9	12
021835	O 16 08 18	8	1/8"	8	20	25	12	14
021836	O 16 08 14	8	1/4"	12	23	25	12	14
021837	O 16 10 14	10	1/4"	12	25	33	14	19
021838	O 16 10 38	10	3/8"	12	27	33	14	19
021839	O 16 12 38	12	3/8"	12	28	35	17	22
021840	O 16 12 12	12	1/2"	14	30	35	17	22
021841	O 16 15 12	15	1/2"	14	31	39	19	27

Compression fittings series O In nickel plated brass



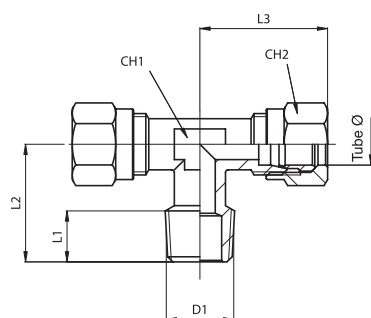
Female elbow

Code	Item	Tube Ø	D1	L1	L2	L3	CH1	CH2
022071	O 27 04 18	4	1/8"	8	20	22	9	10
022072	O 27 06 18	6	1/8"	8	20	24,5	9	12
022073	O 27 06 14	6	1/4"	11	25,5	27	13	12
022074	O 27 08 18	8	1/8"	8	20	24	11	14
022075	O 27 08 14	8	1/4"	11	25,5	27,5	13	14



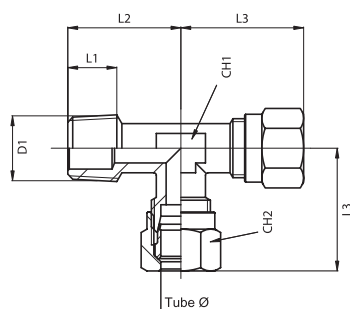
Equal elbow

Code	Item	Tube Ø	L	CH1	CH2
021861	O 17 04 04	4	22	7	10
021862	O 17 05 05	5	23	9	12
021863	O 17 06 06	6	23	9	12
021864	O 17 08 08	8	25	12	14
021865	O 17 10 10	10	33	14	19
021866	O 17 12 12	12	35	17	22
021867	O 17 15 15	15	39	19	27



BSPT - compression tee

Code	Item	Tube Ø	D1	L1	L2	L3	CH1	CH2
021911	O 19 04 18	4	1/8"	8	17	22	7	10
021912	O 19 05 18	5	1/8"	8	17	23	9	12
021913	O 19 06 18	6	1/8"	8	17	23	9	12
021914	O 19 06 14	6	1/4"	12	21	23	9	12
021915	O 19 08 18	8	1/8"	8	20	25	12	14
021916	O 19 08 14	8	1/4"	12	23	25	12	14
021917	O 19 10 14	10	1/4"	12	25	33	14	19
021918	O 19 10 38	10	3/8"	12	27	33	14	19
021919	O 19 12 38	12	3/8"	12	28	35	17	22
021920	O 19 12 12	12	1/2"	14	30	35	17	22
021921	O 19 15 12	15	1/2"	14	31	39	19	27

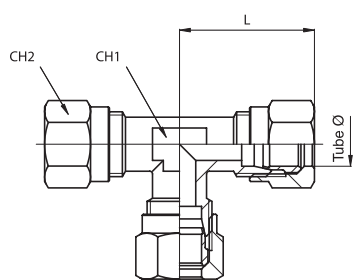


BSPT lateral tee

Code	Item	Tube Ø	D1	L1	L2	L3	CH1	CH2
021941	O 20 04 18	4	1/8"	8	17	22	7	10
021942	O 20 05 18	5	1/8"	8	17	23	9	12
021943	O 20 06 18	6	1/8"	8	17	23	9	12
021944	O 20 06 14	6	1/4"	12	21	23	9	12
021945	O 20 08 18	8	1/8"	8	20	25	12	14
021946	O 20 08 14	8	1/4"	12	23	25	12	14
021947	O 20 10 14	10	1/4"	12	25	33	14	19
021948	O 20 10 38	10	3/8"	12	27	33	14	19
021949	O 20 12 38	12	3/8"	12	28	35	17	22
021950	O 20 12 12	12	1/2"	14	30	35	17	22
021951	O 20 15 12	15	1/2"	14	31	39	19	27

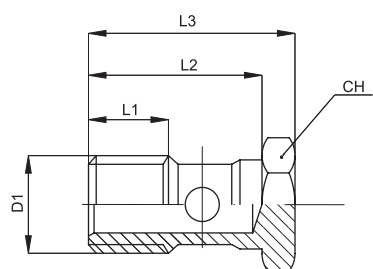
Compression fittings series O

In nickel plated brass



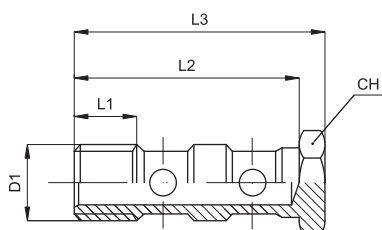
Equal tee

Code	Item	Tube Ø	L	CH ₁	CH ₂
021881	O 18 04 04	4	22	7	10
021882	O 18 05 05	5	23	9	12
021883	O 18 06 06	6	23	9	12
021884	O 18 08 08	8	25	12	14
021885	O 18 10 10	10	33	14	19
021886	O 18 12 12	12	35	17	22
021887	O 18 15 15	15	39	19	27



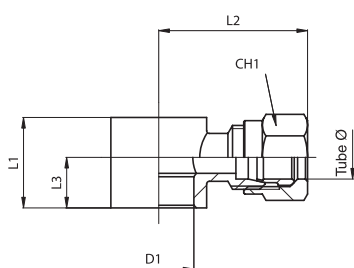
Single banjo bolt

Code	Item	D ₁	L ₁	L ₂	L ₃	CH
020682	C 25 00 18	1/8"	8	23	27	14
020683	C 25 00 14	1/4"	11	25	29,5	17



Double banjo bolt

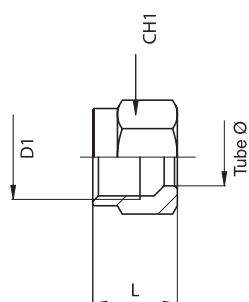
Code	Item	D ₁	L ₁	L ₂	L ₃	CH
020696	C 26 00 18	1/8"	8	39	43	14
020697	C 26 00 14	1/4"	11	41	45,5	17



Single banjo

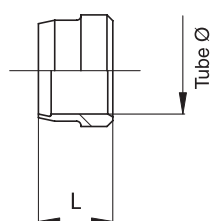
Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃	CH ₁
022056	O 25 06 18	6	10	15	26	9	12
022057	O 25 06 14	6	13,2	17	28	9,5	12
022058	O 25 08 18	8	10	15	27	9	12
022059	O 25 08 14	8	13,2	17	29	9,5	14

Compression fittings series O In nickel plated brass



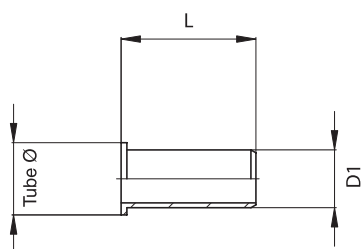
Nut

Code	Item	Tube Ø	D1	L	CH1
021971	O 21 04 08	4	8x1	11	10
021972	O 21 05 10	5	10x1	11,5	12
021973	O 21 06 10	6	10x1	11,5	12
021974	O 21 08 12	8	12x1	12	14
021975	O 21 10 16	10	16x1,5	15,5	19
021976	O 21 12 18	12	18x1,5	15,5	22
021977	O 21 15 22	15	22x1,5	17	27



Ogive

Code	Item	Tube Ø	L
021991	O 22 04 65	4	6,5
021992	O 22 05 75	5	7,5
021993	O 22 06 75	6	7,5
021994	O 22 08 75	8	7,5
021995	O 22 10 95	10	9,5
021996	O 22 12 95	12	9,5
021997	O 22 15 10	15	10



Tube insert

Code	Item	Tube Ø	D1	L
022011	O 23 06 12	6	4	12
022012	O 23 08 14	8	6	14
022013	O 23 10 16	10	8	16
022014	O 23 12 18	12	10	18
022015	O 23 15 20	15	12	20
022016	O 23 04 10	4	2,5	10

Standard fittings series A

In nickel plated brass



Version	Type	Version	Type
M - F BSP reducer	A001	Nut	A013
M - F BSPT reducer	A002	BSP - hose adapter	A015
M - F BSP stem increaser	A003	Female bulkhead	A044
M - F BSPT stem increaser	A004	F - F elbow	A021
BSP nipple	A005	M - F elbow	A022
BSPT nipple	A006	M - M elbow	A035
M - F BSP extension	A039	F - F - F tee	A023
Female socket	A007	F - M - F tee	A024
Male BSP plug	A008	M - F - F tee	A025
Male BSPT plug	A016	M - F - M tee	A045
BSN plug	A009	M - M - F tee	A027
Female plug	A010	M - M - M tee	A036
Olive	A011	F - F - F Y	A040
BSPT olive	A012	F - M - F Y	A041
M-F BSP reducer insert	A014	F - F - F - F +	A026
		M - F - F - F +	A046
		Female single banjo	A042
		BSPT nipple union	A047



Series of standard fittings available in various configurations to adapt the connections of every installation according to one's requirements.
With threads Gas taper (BSPT) and Gas parallel (BSP).

For sealing washers (parallel threads) see page 4.65.41..

*How to order: A0021214 /S

A002	12	14	/S
Type	Thread	Thread	Option

* For standard items, codes and dimensions see tables from page 4.35.2.

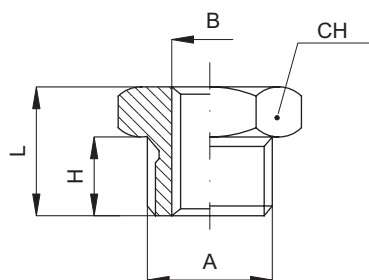
Threads	M5	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Code	M5	18	14	38	12	34	01

Options	Suffix
Special versions on request	/ S

Technical data	
Fluid	Compressed air
Pressure range	60 bar
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Materials	Nickel plated brass

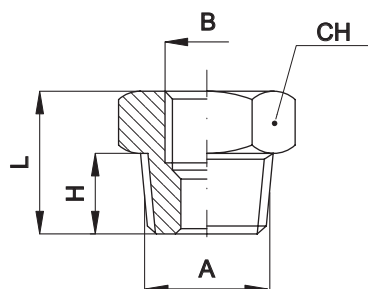
Standard fittings series A

In nickel plated brass



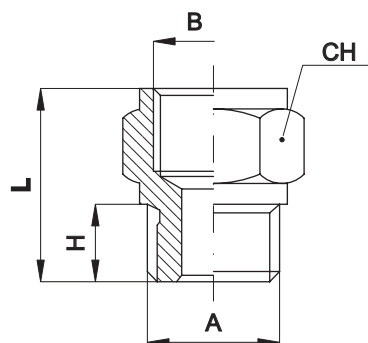
M - F BSP reducer

Code	Item	A	B	H	L	CH
022301	A001 18 05	1/8"	M5	6	10	14
022302	A001 14 18	1/4"	1/8"	8	13	17
022303	A001 38 18	3/8"	1/8"	9	14	19
022304	A001 38 14	3/8"	1/4"	9	14	19
022305	A001 12 14	1/2"	1/4"	9	15	24
022306	A001 12 38	1/2"	3/8"	9	15	24
022307	A001 34 14	3/4"	1/4"	11	16	30
022308	A001 34 38	3/4"	3/8"	11	16	30
022309	A001 34 12	3/4"	1/2"	11	16	30
022310	A001 01 38	1"	3/8"	12	19	36
022311	A001 01 12	1"	1/2"	12	19	36
022312	A001 01 34	1"	3/4"	12	19	36
022313	A001 12 18	1/2"	1/8"	9	15	24



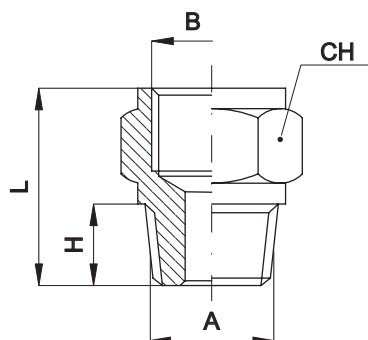
M - F BSPT reducer

Code	Item	A	B	H	L	CH
022331	A002 14 18	1/4"	1/8"	10	15	14
022332	A002 38 18	3/8"	1/8"	10	15	17
022333	A002 38 14	3/8"	1/4"	10	15	17
022334	A002 12 14	1/2"	1/4"	13	19	22
022335	A002 12 38	1/2"	3/8"	13	19	22
022336	A002 34 14	3/4"	1/4"	14	20,5	27
022337	A002 34 38	3/4"	3/8"	14	20,5	27
022338	A002 34 12	3/4"	1/2"	14	20,5	27
022339	A002 01 38	1"	3/8"	16	22	34
022340	A002 01 12	1"	1/2"	16	22	34
022341	A002 01 34	1"	3/4"	16	22	34
022342	A002 12 18	1/2"	1/8"	13	19	22



M - F BSP stem increaser

Code	Item	A	B	H	L	CH
022361	A003 05 05	M5	M5	4	11	8
022362	A003 05 18	M5	1/8"	5	16	14
022363	A003 18 18	1/8"	1/8"	6	16	14
022364	A003 18 14	1/8"	1/4"	6	19,5	17
022365	A003 18 38	1/8"	3/8"	6	20	22
022366	A003 14 14	1/4"	1/4"	8	21	17
022367	A003 14 38	1/4"	3/8"	8	21	22
022368	A003 14 12	1/4"	1/2"	8	25	27
022369	A003 38 38	3/8"	3/8"	9	23	22
022370	A003 38 12	3/8"	1/2"	9	26	27
022371	A003 12 12	1/2"	1/2"	10	26	27
022372	A003 38 34	3/8"	3/4"	9	26	32
022373	A003 12 34	1/2"	3/4"	10	27	32
022374	A003 34 34	3/4"	3/4"	11	28	32
022375	A003 12 01	1/2"	1"	10	29	38
022376	A003 34 01	3/4"	1"	11	30	38
022377	A003 01 01	1"	1"	12	31	38

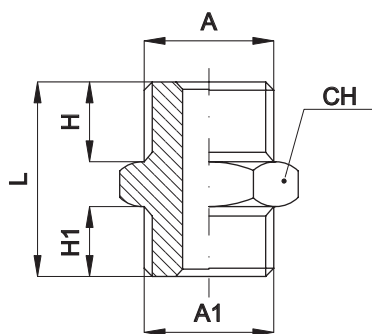


M - F BSPT stem increaser

Code	Item	A	B	H	L	CH
022391	A004 18 18	1/8"	1/8"	7,5	17,5	14
022392	A004 18 14	1/8"	1/4"	7,5	21	17
022393	A004 18 38	1/8"	3/8"	7,5	22	22
022394	A004 14 14	1/4"	1/4"	10	24	17
022395	A004 14 38	1/4"	3/8"	10	26	22
022396	A004 14 12	1/4"	1/2"	10	28	27
022397	A004 38 38	3/8"	3/8"	10	26	22
022398	A004 38 12	3/8"	1/2"	10	28	27
022399	A004 12 12	1/2"	1/2"	12	30	27
022400	A004 38 34	3/8"	3/4"	10	27	32
022401	A004 12 34	1/2"	3/4"	13	30	32
022402	A004 34 34	3/4"	3/4"	14	31	32
022403	A004 12 01	1/2"	1"	13	32	38
022404	A004 34 01	3/4"	1"	14	33	38
022405	A004 01 01	1"	1"	16	35	38

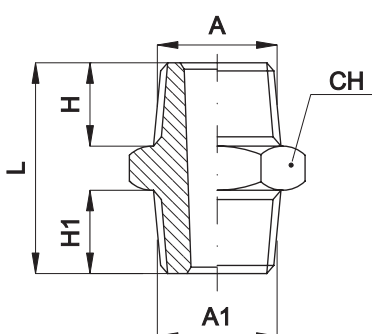
Standard fittings series A

In nickel plated brass



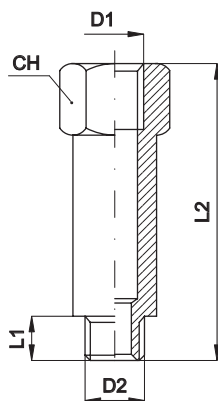
BSP nipple

Code	Item	A	A ₁	H	H ₁	L	CH
022421	A005 05 05	M5	M5	4	4	11	8
022422	A005 05 18	M5	1/8"	4	6	14	14
022423	A005 18 18	1/8"	1/8"	6	6	16,5	14
022424	A005 18 14	1/8"	1/4"	6	8	19	17
022425	A005 18 38	1/8"	3/8"	6,5	9	20	19
022426	A005 14 14	1/4"	1/4"	8	8	21	17
022427	A005 14 38	1/4"	3/8"	8	9	22	19
022428	A005 14 12	1/4"	1/2"	8	10	23,5	24
022429	A005 38 38	3/8"	3/8"	9	9	23	19
022430	A005 38 12	3/8"	1/2"	9	10	24,5	24
022431	A005 12 12	1/2"	1/2"	10	10	25,5	24
022432	A005 12 34	1/2"	3/4"	10	11	27	30
022433	A005 34 34	3/4"	3/4"	11	11	28	30
022434	A005 34 01	3/4"	1"	11	13	30	36
022435	A005 01 01	1"	1"	12	12	31	36



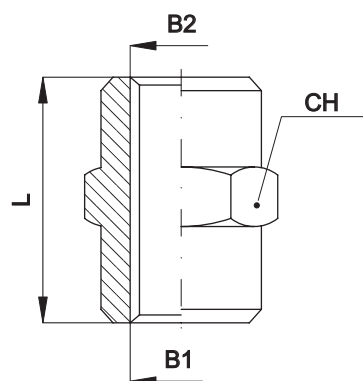
BSPT nipple

Code	Item	A	A ₁	H	H ₁	L	CH
022451	A006 18 18	1/8"	1/8"	7,5	7,5	19	12
022452	A006 18 14	1/8"	1/4"	7,5	10	22,5	14
022453	A006 18 38	1/8"	3/8"	7,5	10	22,5	17
022454	A006 14 14	1/4"	1/4"	10	10	25	14
022455	A006 14 38	1/4"	3/8"	10	10	25	17
022456	A006 14 12	1/4"	1/2"	11,2	13,5	30	22
022457	A006 38 38	3/8"	3/8"	10	10	25	17
022458	A006 38 12	3/8"	1/2"	10	12	28	22
022459	A006 12 12	1/2"	1/2"	12	12	30	22
022460	A006 12 34	1/2"	3/4"	12	14	32	27
022461	A006 34 34	3/4"	3/4"	14	14	34	27
022462	A006 34 01	3/4"	1"	14	16	36	34
022463	A006 01 01	1"	1"	16	16	39	34



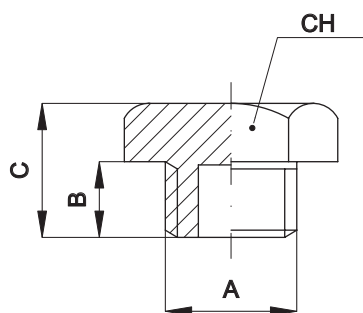
M - F BSP extension

Code	Item	D ₁	D ₂	L ₁	L ₂	CH
022821	A039 18 C23	1/8"	1/8"	6	23	12
022822	A039 18 L44	1/8"	1/8"	6	44	12
022823	A039 14 C28	1/4"	1/4"	8	28	16
022824	A039 14 L45	1/4"	1/4"	8	45	16
022825	A039 12 C36	1/2"	1/2"	9	36	24
022826	A039 14 L51	1/4"	1/4"	8	51	16
022827	A039 38 L41	3/8"	3/8"	9	41	22
022829	A039 34 L50	3/4"	3/4"	-	50	30
022830	A039 01 L50	1"	1"	-	50	38



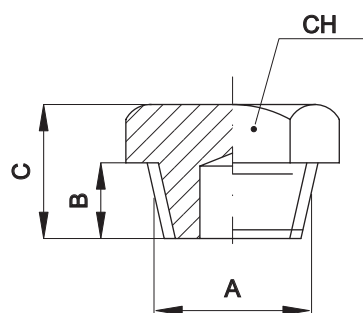
Female socket

Code	Item	B ₁	B ₂	L	CH
022481	A007 05 05	M5	M5	11	8
022482	A007 05 18	M5	1/8"	13	14
022483	A007 18 18	1/8"	1/8"	15	14
022484	A007 18 14	1/8"	1/4"	19	17
022485	A007 18 38	1/8"	3/8"	20	22
022486	A007 14 14	1/4"	1/4"	22	17
022487	A007 14 38	1/4"	3/8"	23	22
022488	A007 14 12	1/4"	1/2"	26	17
022489	A007 38 38	3/8"	3/8"	23	22
022490	A007 38 12	3/8"	1/2"	26	27
022491	A007 12 12	1/2"	1/2"	29	27
022492	A007 12 34	1/2"	3/4"	25	32
022493	A007 34 34	3/4"	3/4"	32	32
022494	A007 34 01	3/4"	1"	34	38
022495	A007 01 01	1"	1"	34	38



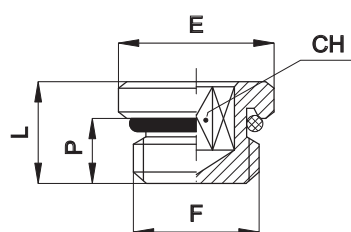
Male BSP plug

Code	Item	A	B	C	CH
022511	A008 18 18	1/8"	6	10	14
022512	A008 14 14	1/4"	8	12,5	17
022513	A008 38 38	3/8"	9	14	19
022514	A008 12 12	1/2"	10	15	24
022515	A008 34 34	3/4"	11	16,5	30
022516	A008 01 01	1"	13	19	36
022517	A008 05 05	5MA	4,5	7,5	8



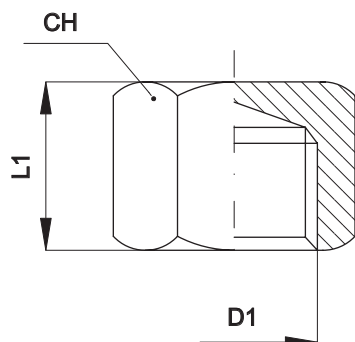
Male BSPT plug

Code	Item	A	B	C	CH
022471	A016 18 18	1/8"	7,5	11,5	14
022472	A016 14 14	1/4"	11	15,5	17
022473	A016 38 38	3/8"	11	16	19
022474	A016 12 12	1/2"	13	18,5	24
022475	A016 34 34	3/4"	14	20	30
022476	A016 01 01	1"	15,5	22	36



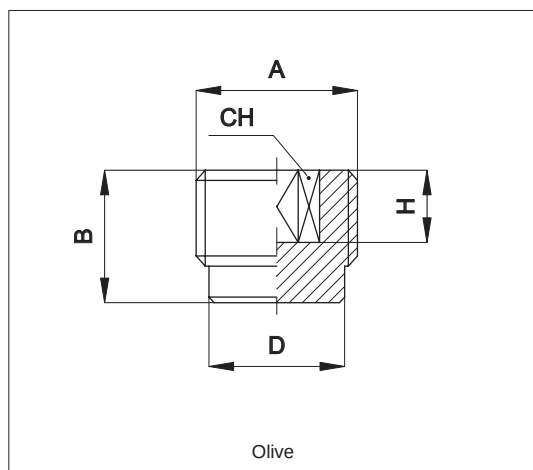
BSP plug

Code	Item	F	CH	P	L	E
022521	A009 05 05	M5	2,5	4,5	7,2	8
022522	A009 18 18	1/8"	5	6,5	9,5	14
022523	A009 14 14	1/4"	6	8	11,5	17
022524	A009 38 38	3/8"	8	9	12,5	20
022525	A009 12 12	1/2"	10	10	14	26

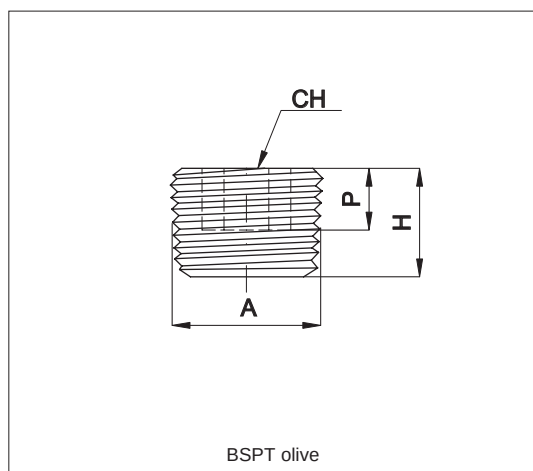


Female plug

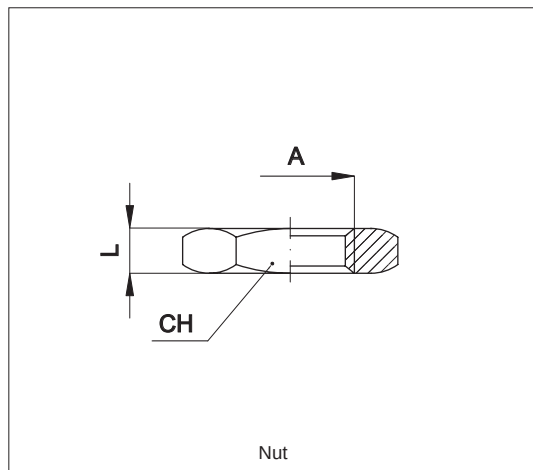
Code	Item	D1	L1	CH
022531	A010 18 18	1/8"	11	14
022532	A010 14 14	1/4"	13	17
022533	A010 38 38	3/8"	14	20
022534	A010 12 12	1/2"	15	24
022535	A010 34 34	3/4"	16	30
022536	A010 01 01	1"	18	38
022537	A010 05 05	5MA	7	8



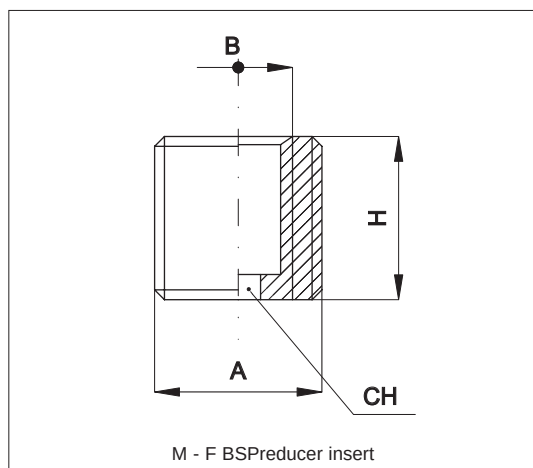
Code	Item	A	B	CH	D	H
022541	A011 18 18	1/8"	7,5	5	8	4
022542	A011 14 14	1/4"	10	6	11	6
022543	A011 38 38	3/8"	10	8	14	6
022544	A011 12 12	1/2"	11	10	18	7



Code	Item	A	H	P	CH
022546	A012 18 18	1/8"	7,5	4	5
022547	A012 14 14	1/4"	10	5	6
022548	A012 38 38	3/8"	10	6	8
022549	A012 12 12	1/2"	12	8	10



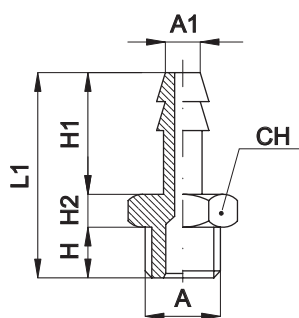
Code	Item	A	CH	L
022551	A013 18 18	1/8"	12	3
022552	A013 14 14	1/4"	16	3
022553	A013 38 38	3/8"	19	4
022554	A013 12 12	1/2"	24	4
022555	A013 34 34	3/4"	30	5
022556	A013 01 01	1"	38	6



Code	Item	A	B	H	CH
022571	A014 18 05	1/8"	M5	6	3
022572	A014 14 18	1/4"	1/8"	7	6
022573	A014 38 18	3/8"	1/8"	9	6
022574	A014 38 14	3/8"	1/4"	9	8
022575	A014 12 14	1/2"	1/4"	10	8
022576	A014 12 38	1/2"	3/8"	10	10
022577	A014 34 12	3/4"	1/2"	12	14
022578	A014 01 34	1"	3/4"	14	16

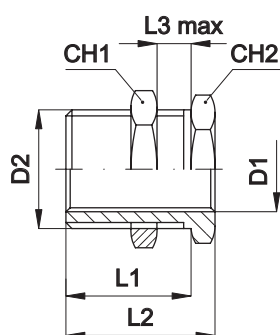
Standard fittings series A

In nickel plated brass



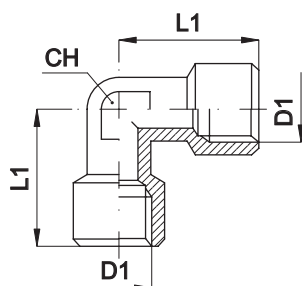
BSP - hose adapter

Code	Item	A	A1	H	H1	H2	L1	CH
022601	A015 18 07	1/8"	7	6	18	4	28	12
022602	A015 18 08	1/8"	8	6	18	4	28	12
022603	A015 18 09	1/8"	9	6	18	4	28	12
022604	A015 14 07	1/4"	7	8	18	4,5	30,5	17
022605	A015 14 08	1/4"	8	8	18	4,5	30,5	17
022606	A015 14 09	1/4"	9	8	18	4,5	30,5	17
022607	A015 14 12	1/4"	12	8	18	4,5	30,5	17
022608	A015 38 09	3/8"	9	9	18	5	32	19
022609	A015 38 12	3/8"	12	9	18	5	32	19
022610	A015 38 17	3/8"	17	9	18	5	32	19
022611	A015 12 12	1/2"	12	10	18	6	34	24
022612	A015 12 17	1/2"	17	9	24	5	38	24



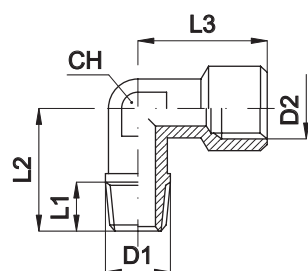
Female bulkhead

Code	Item	D1	D2	L1	L2	L3	CH1	CH2
022881	A044 05 05	M5	M10x1	9,5	13	6	14	14
022882	A044 18 18	1/8"	M16x1,5	15	19	10	22	19
022883	A044 14 14	1/4"	M20x1,5	19	23	14	27	24
022884	A044 38 38	3/8"	M26x1,5	22	27	16	32	30
022885	A044 12 12	1/2"	M28x1,5	28	34	21	36	32



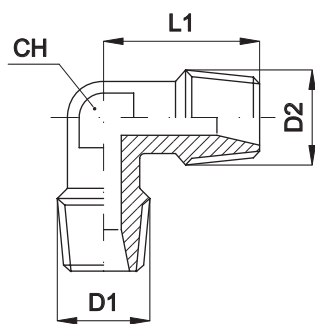
F - F elbow

Code	Item	D1	L1	CH
022711	A021 18 18	1/8"	21	12
022712	A021 14 14	1/4"	26	13
022713	A021 38 38	3/8"	30	17
022714	A021 12 12	1/2"	34	21
022715	A021 34 34	3/4"	36,5	-
022716	A021 01 01	1"	45	-
022717	A021 05 05	M5	11	9



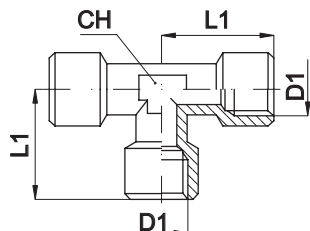
M - F elbow

Code	Item	D1	D2	L1	L2	L3	CH
022731	A022 18 18	1/8"	1/8"	7,5	18	21	10
022732	A022 14 14	1/4"	1/4"	11	25	26	13
022733	A022 38 38	3/8"	3/8"	11,5	28	30	17
022734	A022 12 12	1/2"	1/2"	14	30	34	21
022735	A022 34 34	3/4"	3/4"	14,5	32	36,5	-
022736	A022 01 01	1"	1"	16,8	39	45	-
022737	A022 05 05	M5	M5	4	11,5	11	9
022738	A022 18 14	1/8"	1/4"	7,5	18	26	13



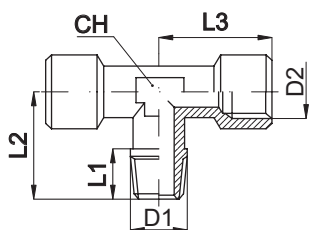
M - M elbow

Code	Item	D ₁	D ₂	L ₁	CH
022781	A035 18 18	1/8"	1/8"	18	9
022782	A035 14 14	1/4"	1/4"	22	12
022783	A035 38 38	3/8"	3/8"	26	14
022784	A035 12 12	1/2"	1/2"	30	17
022785	A035 34 34	3/4"	3/4"	32	-
022786	A035 01 01	1"	1"	39	-
022787	A035 05 05	M5	M5	11,5	9
022810	A035 18 14	1/8"	1/4"	18	12



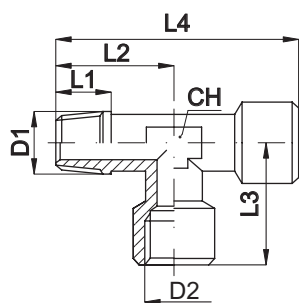
F - F - F tee

Code	Item	D ₁	L ₁	CH
022741	A023 18 18	1/8"	21	12
022742	A023 14 14	1/4"	26	13
022743	A023 38 38	3/8"	30	17
022744	A023 12 12	1/2"	34	21
022745	A023 34 34	3/4"	36,5	-
022746	A023 01 01	1"	45	-
022747	A023 05 05	M5	11	9



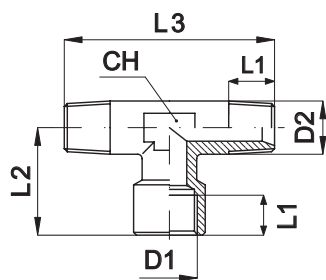
F - M - F tee

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	CH
022751	A024 18 18	1/8"	1/8"	7,5	18	21	12
022752	A024 14 14	1/4"	1/4"	11	25	26	13
022753	A024 38 38	3/8"	3/8"	11,5	28	30	17
022754	A024 12 12	1/2"	1/2"	14	30	34	21
022755	A024 34 34	3/4"	3/4"	14,5	32	-	-
022756	A024 01 01	1"	1"	16,5	39	-	-
022757	A024 05 05	M5	M5	4	11,5	11	9



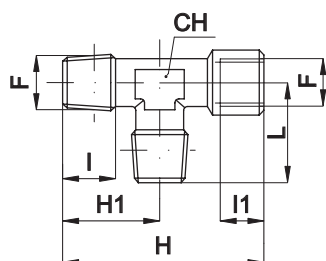
M - F - F tee

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	L ₄	CH
022761	A025 18 18	1/8"	1/8"	7,5	18	21	39,5	12
022762	A025 14 14	1/4"	1/4"	11	25	26	48,5	13
022763	A025 38 38	3/8"	3/8"	11,5	28	30	53,5	17
022764	A025 12 12	1/2"	1/2"	14	30	34	63	21
022765	A025 34 34	3/4"	3/4"	14,5	-	36,5	68,5	-
022766	A025 01 01	1"	1"	16,5	-	45	84	-
022767	A025 05 05	M5	M5	4	11,5	11	22	9



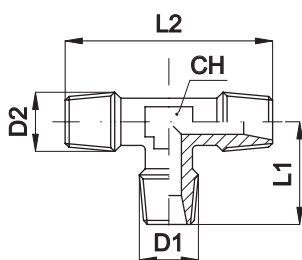
M - F - M tee

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	CH
022901	A045 18 18	1/8"	1/8"	7,5	21	36	9
022902	A045 14 14	1/4"	1/4"	11	26	44	12
022903	A045 38 38	3/8"	3/8"	11,5	27	51	-
022904	A045 12 12	1/2"	1/2"	14	32	59	-
022905	A045 34 34	3/4"	3/4"	14,5	36,5	64	-
022906	A045 01 01	1"	1"	16,5	45	78	-



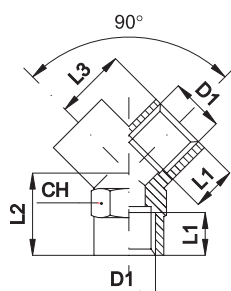
M - M - F tee

Code	Item	F	F ₁	I	I ₁	H	H ₁	L	CH
022815	A027 18 18	1/8"	1/8"	8	8	39,5	18,5	18,5	10
022816	A027 14 14	1/4"	1/4"	11	11	49	23,5	23,5	13
022817	A027 38 38	3/8"	3/8"	11,5	11,5	54	26	26	17
022818	A027 12 12	1/2"	1/2"	14	14	64,5	31	31	21
022819	A027 34 34	3/4"	3/4"	14,5	68,5	68,5	36,5	36,5	-



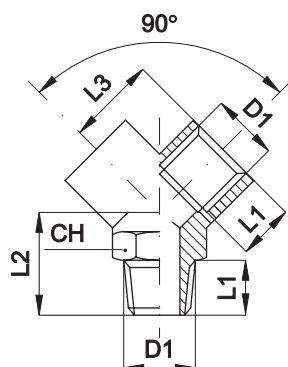
M - M - M tee

Code	Item	D ₁	D ₂	L ₁	L ₂	CH
022801	A036 18 18	1/8"	1/8"	18	36	9
022802	A036 14 14	1/4"	1/4"	22	44	12
022803	A036 38 38	3/8"	3/8"	26	52	15
022804	A036 12 12	1/2"	1/2"	30	60	17
022805	A036 34 34	3/4"	3/4"	32	64	-
022806	A036 01 01	1"	1"	39	78	-



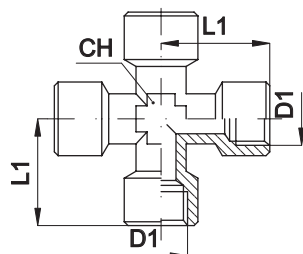
F - F - F Y

Code	Item	D ₁	L ₁	L ₂	L ₃	CH
022841	A040 18 18	1/8"	8	12	14	13
022842	A040 14 14	1/4"	11	14	17	17
022843	A040 38 38	3/8"	11,5	16	19	20
022844	A040 12 12	1/2"	14	19	24,5	25



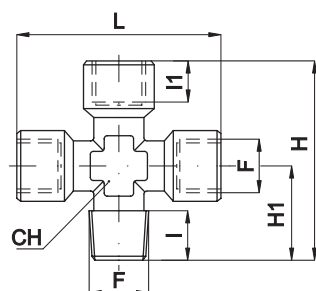
F - M - F Y

Code	Item	D ₁	L ₁	L ₂	L ₃	CH
022861	A041 18 18	1/8"	8	16	14	13
022862	A041 14 14	1/4"	11	20	17	17
022863	A041 38 38	3/8"	11,5	22	19	20
022864	A041 12 12	1/2"	14	27	24,5	25



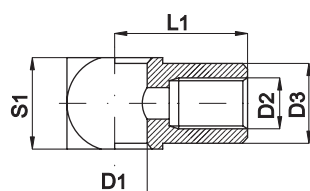
F - F - F - F +

Code	Item	D ₁	L ₁	CH
022771	A026 18 18	1/8"	21	12
022772	A026 14 14	1/4"	26	13
022773	A026 38 38	3/8"	30	17
022774	A026 12 12	1/2"	34	-



F - M - F - F +

Code	Item	F	F ₁	I	I ₁	H	H ₁	L	CH
022891	A046 18 18	1/8"	1/8"	8	8	39,5	18,5	42	10
022892	A046 14 14	1/4"	1/4"	11	11	49	23,5	51	13
022893	A046 38 38	3/8"	3/8"	11,5	11,5	54	26	56	17
022894	A046 12 12	1/2"	1/2"	14	14	64,5	31	67	21

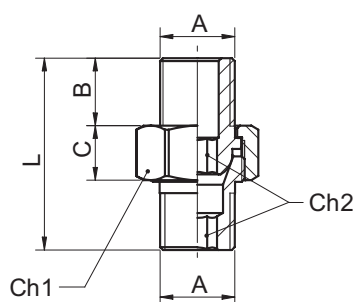


Female single banjo

Code	Item	D ₁	D ₂	D ₃	L ₁	S ₁
022875	A042 05 05	5,1	M5	9	11	10
022871	A042 18 18	10	1/8"	14	17	15
022872	A042 14 14	13,2	1/4"	17	22	18
022873	A042 38 38	17	3/8"	20	26	20

Standard fittings series A

In nickel plated brass



BSPT nipple union

Code	Item	A	B	C	L	CH ₁	CH ₂
023471	A047 18 18	1/8"	9	8,5	27	15	5
023472	A047 14 14	1/4"	12	9,5	33,5	19	6
023473	A047 38 38	3/8"	13	10,2	36,5	22	8
023474	A047 12 12	1/2"	16	12	44	27	12
023475	A047 34 34	3/4"	18	17	53	36	14
023476	A047 01 01	1"	22	20	64	46	19

Version	Type
Coupling with male metric thread DIN 13	20KAAM
Coupling with male BSP parallel thread ISO 228	20KAAW
Coupling with female metric thread DIN 13	20KAIM
Coupling with female BSP parallel thread ISO 228	20KAIW
Coupling with hose adapter	20KATF
Coupling with rapid fitting	20KAKO
Coupling with bulkhead rapid fitting	20KAKS
Coupling with bulkhead hose adapter	20KATS
Plug with hose adapter	20SF TF
Plug with rapid fitting	20SF KO
Plug with bulkhead rapid fitting	20SF KS
Plug with bulkhead hose adapter	20SF TS
Plug with male metric DIN 13	20SF AM
Plug with male BSP, parallel thread ISO 228	20SF AW
Plug with female metric DIN 13	20SF IM
Plug with female BSP, parallel thread ISO 228	20SF IW



Series of quick-lock couplings single shut off (only on the coupling), standard in brass (not nickel plated).

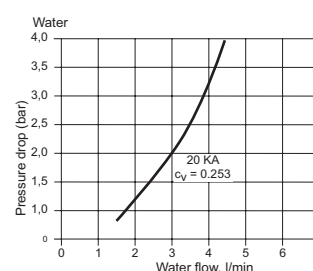
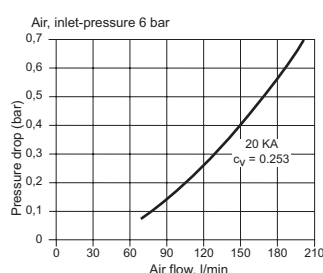
The quick-lock couplings series 20, whose dimensions are very small, can be used in various fields (chemical, medical, etc.).

The connection tightness between the coupling and the plug is guaranteed by a series of spheres and this allows a longer life time even when the connections and the disconnections are frequent.

For standard items, codes and dimensions see tables from page 4.45.2.

On request these couplings can be supplied (special executions):

- Double shut off
- With coupler body completely in stainless steel AISI 303 or AISI 316.
- With special seals (FKM or EPDM).
- Nickel plated (standard or chemical nickel plating)
- Without shut off valves

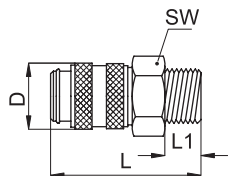


Technical data		
Fluid	Compressed air, water, non-aggressive fluids	
Pressure range	35 bar (Vacuum resistance: 750 mm. Hg)	
Temperature range	-20 °C ÷ 100 °C	
Parallel threads	UNI - ISO 228/1 (BSP)	
Metric threads	DIN 13	
Materials	Coupler body, valve, releasing sleeve: Springs and elastic ring: Balls: Seals:	Brass OT58 Stainless steel AISI 301 Stainless steel AISI 420 Nitrile rubber (NBR)

Quick-lock couplings

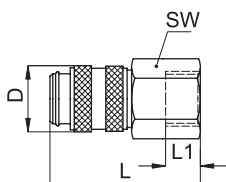
Series 20, DN 2,7 = 6 mm²

In Brass



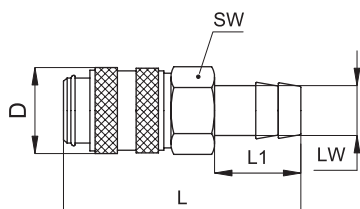
Coupling with male thread

Code	Item	Thread	SW	L	D	L ₁
570002	20KA AM05 MPX	M5	9	26	10	5
570015	20KA AW10 MPX	G 1/8"	11	28	10	7



Coupling with female thread

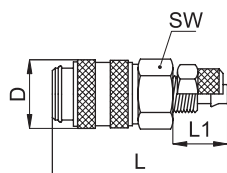
Code	Item	Thread	SW	L	D	L ₁
570016	20KA IM05 MPX	M5	9	26	10	5
570017	20KA IW10 MPX	G 1/8"	12	28	10	7



Coupling with hose adapter

Code	Item	LW	SW	L	D	L ₁
570018	20KA TF03 MPX	3	12	35	10	13
570019	20KA TF04 MPX	4	12	35	10	13
570020	20KA TF05 MPX	5	12	35	10	13

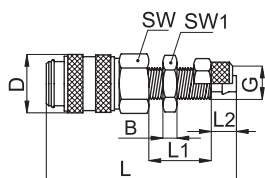
LW = Tube internal Ø



Coupling with rapid fitting

Code	Item	Tube Ø	SW	L	D	L ₁	G
570021	20KA KO04 MPX	4	12	34	10	12	M7x0,5
570022	20KA KO05 MPX	5	12	34	10	12	M7x0,5
570023	20KA KO06 MPX	6	12	34	10	12	M8x0,5

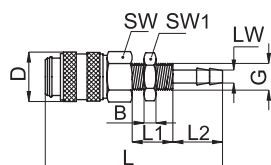
Tube Ø= Tube external Ø



Coupling with bulkhead rapid fitting

Code	Item	Tube Ø	SW	L	D	L ₁	L ₂	SW ₁	B	G
570024	20KA KS04 MPX	4	12	45	10	17	7	11	3	M7x0,5
570025	20KA KS05 MPX	5	12	45	10	17	7	11	3	M7x0,5
570026	20KA KS06 MPX	6	12	45	10	17	7	12	3,5	M8x0,5

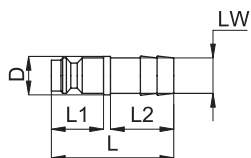
Tube Ø= Tube external Ø



Coupling with bulkhead hose adapter

Code	Item	LW	SW	L	D	L ₁	L ₂	SW ₁	B	G
570027	20KA TS03 MPX	3	12	51	10	17	13	11	3	M7x0,5
570028	20KA TS04 MPX	4	12	51	10	17	13	11	3	M7x0,5

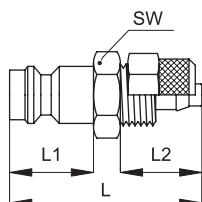
LW = Tube internal Ø



Plug with hose adapter

Code	Item	LW	L	D	L ₁	L ₂
570029	20SF TF03 MXX	3	24	7	10	13
570030	20SF TF04 MXX	4	24	7	10	13
570031	20SF TF05 MXX	5	24	9	8,5	12,5

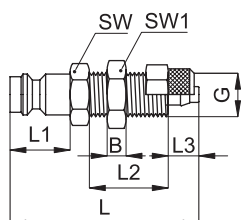
LW = Tube internal Ø



Plug with rapid fitting

Code	Item	Tube Ø	SW	L	L ₁	L ₂
570003	20SF KO04 MXX	4	7	25	10	12
570032	20SF KO05 MXX	5	7	25	10	12
570033	20SF KO06 MXX	6	8	25	10	12

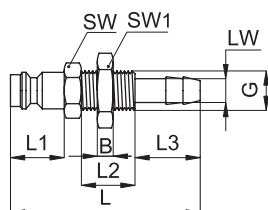
Tube Ø= Tube external Ø



Plug with bulkhead rapid fitting

Code	Item	Tube Ø	SW	L	L ₁	L ₂	L ₃	SW ₁	B	G
570034	20SF KS04 MXX	4	11	38	10	17	7	11	3	M7x0,5
570035	20SF KS05 MXX	5	11	38	10	17	7	11	3	M7x0,5
570036	20SF KS06 MXX	6	12	38	10	17	7	12	3,5	M8x0,5

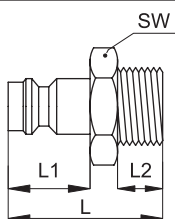
Tube Ø= Tube external Ø



Plug with bulkhead hose adapter

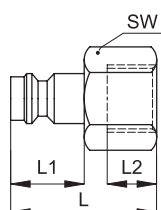
Code	Item	LW	SW	L	L ₁	L ₂	L ₃	SW ₁	B	G
570037	20SF TS03 MXX	3	11	44	10	17	13	11	3	M7x0,5
570038	20SF TS04 MXX	4	11	44	10	17	13	11	3	M7x0,5

LW = Tube internal Ø



Plug with male thread

Code	Item	Thread	SW	L	L ₁	L ₂
570039	20SF AM05 MXX	M5	7	18	10	5
570040	20SF AW10 MXX	G 1/8"	11	20	10	7



Plug with female thread

Code	Item	Thread	SW	L	L ₁	L ₂
570041	20SF IM05 MXX	M5	7	17	10	5
570042	20SF IW10 MXX	G 1/8"	12	19	10	7

Quick-lock couplings

Series 21, DN 5 = 20 mm²

In Brass



Version	Type
Coupling with male metric thread DIN 2353	21KAAD
Coupling with male BSP parallel thread ISO 228	21KAAW
Coupling with female metric thread DIN 13	21KAIM
Coupling with female BSP parallel thread ISO 228	21KAIW
Coupling with hose adapter	21KATF
Coupling with rapid fitting	21KAKO
Coupling with bulkhead rapid fitting	21KAKS
Coupling with bulkhead hose adapter	21KATS
Coupling with rapid fitting and anti-deflection spring	21KAKK
Plug with hose adapter	21SFTF
Plug with rapid fitting	21SFKO
Plug with bulkhead rapid fitting	21SFKS
Plug with bulkhead hose adapter	21SFTS
Plug with rapid fitting and anti-deflection spring	21SFKK
Plug with male metric thread DIN 2353	21SFAD
Plug with male BSP, parallel thread ISO 228	21SFAW
Plug with male metric thread DIN 13	21SFIM
Plug with female BSP, parallel thread ISO 228	21SFIW



Series of quick-lock couplings single shut off (only on the coupling), standard in brass (not nickel plated).

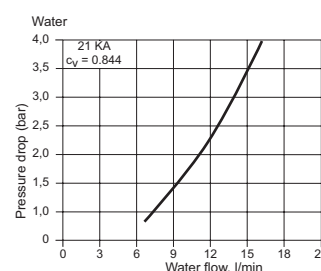
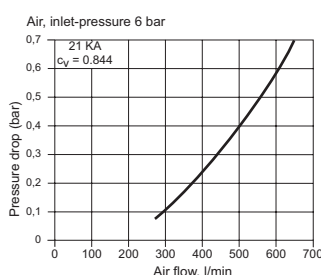
The quick-lock couplings series 21, in general the most common as to dimensions, can be used in various fields.

The connection tightness between the coupling and the plug is guaranteed by a series of spheres and this allows a longer life time even when the connections and the disconnections are frequent.

For standard items, codes and dimensions see tables from page 4.45.12.

On request these couplings can be supplied (special executions):

- Double shut off
- With coupler body completely in stainless steel AISI 303 or AISI 316.
- With special seals (FKM or EPDM).
- Nickel plated (standard or chemical nickel plating)
- Without shut off valves

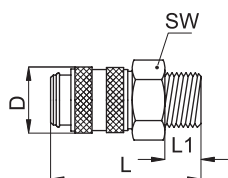


Technical data		
Fluid	Compressed air, water, non-aggressive fluids	
Pressure range	35 bar (Vacuum resistance: 750 mm. Hg)	
Temperature range	-20 °C ÷ 100 °C	
Parallel threads	UNI - ISO 228/1 (BSP)	
Metric threads	DIN 13 - DIN 2353	
Materials	Coupler body, valve, releasing sleeve: Springs and elastic ring: Balls: Seals:	Brass OT58 Stainless steel AISI 301 Stainless steel AISI 420 Nitrile rubber (NBR)

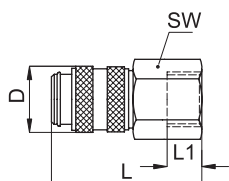
Quick-lock couplings

Series 21, DN 5 = 20 mm²

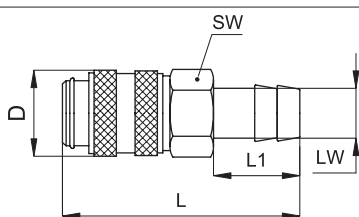
In Brass



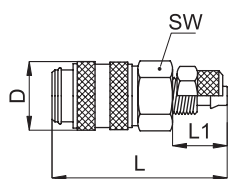
Coupling with male thread



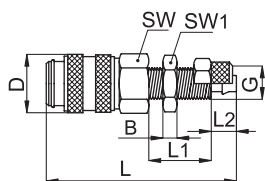
Coupling with female thread



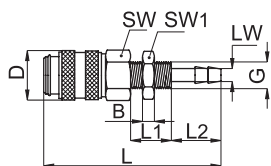
Coupling with hose adapter



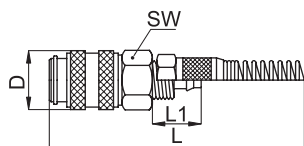
Coupling with rapid fitting



Coupling with bulkhead rapid fitting



Coupling with bulkhead hose adapter



Coupling with rapid fitting and anti-deflection spring

Code	Item	Thread	SW	L	D	L ₁
570043	21KA AW10 MPX	1/8"	14	36	16	7
570044	21KA AW13 MPX	1/4"	17	38	16	9
570045	21KA AW17 MPX	3/8"	19	38	16	9
570046	21KA AD12 MPX	M12x1,5	17	39	16	10
570047	21KA AD14 MPX	M14x1,5	17	39	16	10

Code	Item	Thread	SW	L	D	L ₁
570048	21KA IW10 MPX	1/8"	14	36	16	9
570049	21KA IW13 MPX	1/4"	17	38	16	9
570050	21KA IW17 MPX	3/8"	19	38	16	7
570051	21KA IM12 MPX	M12x1,5	17	38	16	6
570052	21KA IM14 MPX	M14x1,5	17	38	16	6

Code	Item	LW	SW	L	D	L ₁
570053	21KA TF04 MPX	4	14	46	16	17
570054	21KA TF06 MPX	6	14	46	16	17
570055	21KA TF08 MPX	8	14	46	16	17
570056	21KA TF09 MPX	9	14	46	16	17
570057	21KA TF10 MPX	10	14	46	16	17

LW = Tube internal Ø

Code	Item	Tube Ø	SW	L	D	L ₁
570059	21KA KO06 MPX	6	14	42	16	13
570060	21KA KO08 MPX	8	14	42	16	13

Tube Ø= Tube external Ø

Code	Item	Tube Ø	SW	L	D	L ₁	L ₂	SW ₁	B	G
570061	21KA KS06 MPX	6	14	54	16	18	7	14	4	M10x1
570062	21KA KS08 MPX	8	17	54	16	18	7	17	4	M12x1

Tube Ø= Tube external Ø

Code	Item	LW	SW	L	D	L ₁	L ₂	SW ₁	B	G
570063	21KA TS04 MPX	4	14	60	16	14	17	14	4	M10x1
570064	21KA TS05 MPX	5	14	60	16	14	17	17	4	M12x1
570065	21KA TS06 MPX	6	17	60	16	14	17	17	4	M12x1
570066	21KA TS08 MPX	8	17	60	16	14	17	17	4	M12x1
572387	21KA TS10 MPX	10	17	60	16	14	17	19	4	M14x1

LW = Tube internal Ø

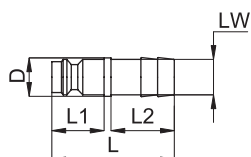
Code	Item	Tube Ø	SW	L	D	L ₁
570067	21KA KK06 MPX	6	14	125	16	13
570068	21KA KK08 MPX	8	14	130	16	13

Tube Ø= Tube external Ø

Quick-lock couplings

Series 21, DN 5 = 20 mm²

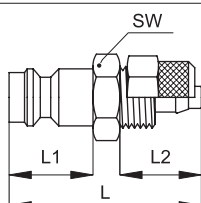
In Brass



Plug with hose adapter

Code	Item	LW	L	D	L ₁	L ₂
570069	21SF TF04 MXX	4	32	9	14	17
570070	21SF TF05 MXX	5	32	9	14	17
570071	21SF TF06 MXX	6	32	9	14	17
570072	21SF TF08 MXX	8	32	9	14	17
570073	21SF TF09 MXX	9	33	10	14	17
570074	21SF TF10 MXX	10	33	12	14	17

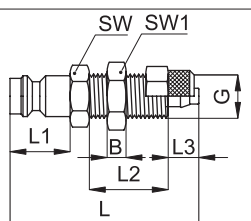
LW = Tube internal Ø



Plug with rapid fitting

Code	Item	Tube Ø	SW	L	D	L ₁	L ₂	G
570076	21SF KO06 MXX	6	14	32	10	14	12	M10x1
570077	21SF KO08 MXX	8	17	32	12	14	12	M12x1
572377	21SF KO10 MXX	10	17	36	-	14	17	M16x1

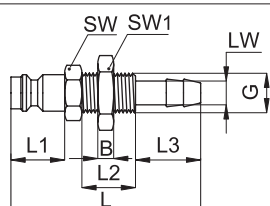
Tube Ø= Tube external Ø



Plug with bulkhead rapid fitting

Code	Item	Tube Ø	SW	L	L ₁	L ₂	L ₃	SW ₁	B	G
570078	21SF KS06 MXX	6	14	44	14	18	7	14	4	M10x1
570079	21SF KS08 MXX	8	17	44	14	18	7	17	4	M12x1

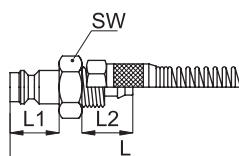
Tube Ø= Tube external Ø



Plug with bulkhead hose adapter

Code	Item	LW	SW	L	L ₁	L ₂	L ₃	SW ₁	B	G
570080	21SF TS04 MXX	4	14	50	14	14	17	14	4	M10x1
570081	21SF TS05 MXX	5	14	50	14	14	17	14	4	M10x1
570082	21SF TS06 MXX	6	14	50	14	14	17	17	4	M12x1
570083	21SF TS08 MXX	8	14	50	14	14	17	17	4	M12x1
570084	21SF TS09 MXX	9	14	50	14	14	17	17	4	M12x1
570085	21SF TS10 MXX	10	17	50	17	14	17	19	4	M14x1

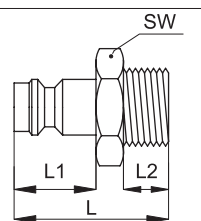
LW = Tube internal Ø



Plug with rapid fitting and anti-deflection spring

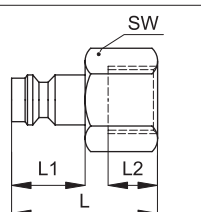
Code	Item	Tube Ø	L	L ₁	L ₂
570086	21SF KK06 MXX	6	115	14	12
570087	21SF KK08 MXX	8	120	14	12

Tube Ø= Tube external Ø



Plug with male thread

Code	Item	Thread	SW	L	L ₁	L ₂
570088	21SF AW10 MXX	1/8"	14	25	14	7
570089	21SF AW13 MXX	1/4"	17	28	14	9
570090	21SF AW17 MXX	3/8"	19	28	14	9
570091	21SF AD10 MXX	M10x1	14	26	14	8
570092	21SF AD12 MXX	M12x1,5	17	28	14	10
570093	21SF AD14 MXX	M14x1,5	17	28	14	10



Plug with female thread

Code	Item	Thread	SW	L	L ₁	L ₂
570094	21SF IW10 MXX	1/8"	14	25	14	8
570095	21SF IW13 MXX	1/4"	17	26	14	9
570096	21SF IW17 MXX	3/8"	19	27	14	9
570097	21SF IM10 MXX	M10x1	14	27	14	9
570098	21SF IM12 MXX	M12x1,5	17	27	14	10
570099	21SF IM14 MXX	M14x1,5	17	27	14	10

Quick-lock couplings

Series 26, DN 7,2 = 40 mm²

In Brass



Version	Type
Coupling with male metric thread DIN 2353	26KAAD
Coupling with male BSP, parallel thread ISO 228	26KAAW
Coupling with female metric thread DIN 13	26KAIM
Coupling with female BSP, parallel thread ISO 228	26KAIW
Coupling with hose adapter	26KATF
Coupling with rapid fitting	26KAKO
Coupling with bulkhead hose adapter	26KATS
Coupling with rapid fitting and anti-deflection spring	26KAKK
Plug with hose adapter	26SFTF
Plug with rapid fitting	26SFKO
Plug with bulkhead hose adapter	26SFTS
Plug with rapid fitting and anti-deflection spring	26SFKK
Plug with male metric thread DIN 2353	26SFAD
Plug with male BSP, parallel thread ISO 228	26SFAW
Plug with female metric thread DIN 13	26SFIM
Plug with female BSP, parallel thread ISO 228	26SFIW



Series of quick-lock couplings single shut off (only on the coupling), standard in brass (not nickel plated).

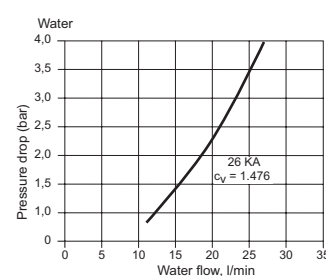
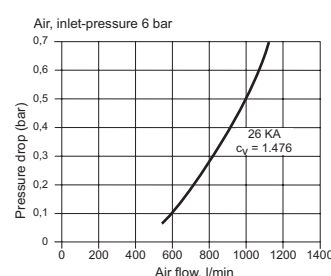
The quick-lock couplings series 26 can be used in various fields and for this it is considered universal.

The connection tightness between the coupling and the plug is guaranteed by a series of spheres and this allows a longer life time even when the connections and the disconnections are frequent.

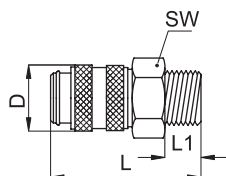
For standard items, codes and dimensions see tables from page 4.45.22.

On request these couplings can be supplied (special executions):

- Double shut off
- With coupler body completely in stainless steel AISI 303 or AISI 316.
- With special seals (FKM or EPDM).
- Nickel plated (standard or chemical nickel plating)
- Without shut off valves

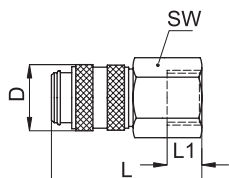


Technical data		
Fluid	Compressed air, water, non-aggressive fluids	
Pressure range	35 bar (Vacuum resistance: 750 mm. Hg)	
Temperature range	-20 °C ÷ 100 °C	
Parallel threads	UNI - ISO 228/1 (BSP)	
Metric threads	DIN 13 - DIN 2353	
Materials	Coupler body, valve, releasing sleeve: Brass OT58 Springs and elastic ring: Stainless steel AISI 301 Balls: Stainless steel AISI 420 Seals: Nitrile rubber (NBR)	



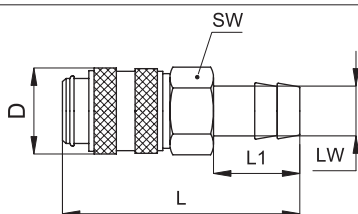
Coupling with male thread

Code	Item	Thread	SW	L	D	L ₁
570100	26KA AW10 MPX	1/8"	22	43	25	9
570006	26KA AW13 MPX	1/4"	22	41	25	9
570101	26KA AW17 MPX	3/8"	22	41	25	9
570102	26KA AW21 MPX	1/2"	22	44	25	12
570104	26KA AD14 MPX	M14x1,5	22	42	25	10
570105	26KA AD16 MPX	M16x1,5	22	43	25	11
570106	26KA AD18 MPX	M18x1,5	22	43	25	11



Coupling with female thread

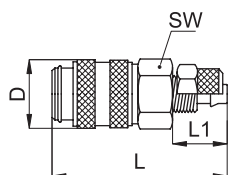
Code	Item	Thread	SW	L	D	L ₁
570107	26KA IW13 MPX	1/4"	22	41	25	9
570108	26KA IW17 MPX	3/8"	22	41	25	9
570109	26KA IW21 MPX	1/2"	24	44	25	12
570110	26KA IM14 MPX	M14x1,5	22	41	25	9
570111	26KA IM16 MPX	M16x1,5	22	41	25	9
570112	26KA IM18 MPX	M18x1,5	22	41	25	9



Coupling with hose adapter

Code	Item	LW	SW	L	D	L ₁
570113	26KA TF06 MPX	6	21	58	25	25
570114	26KA TF08 MPX	8	21	58	25	25
570115	26KA TF09 MPX	9	21	58	25	25
570116	26KA TF10 MPX	10	21	58	25	25
570117	26KA TF13 MPX	13	21	58	25	25
570118	26KA TP06 MPX	6	21	58	25	20,5
570119	26KA TP10 MPX	10	21	58	25	24
570120	26KA TP13 MPX	13	21	58	25	28

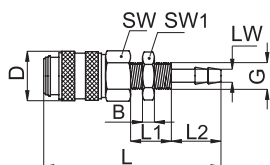
LW = Tube internal Ø



Coupling with rapid fitting

Code	Item	Tube Ø	SW	L	D	L ₁
570270	26KA KO06 MPX	6	21	46	25	11
570121	26KA KO08 MPX	8	21	46	25	13
570122	26KA KO10 MPX	10	21	49	25	17
570123	26KA KO12 MPX	12	21	49	25	17

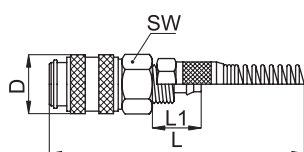
Tube Ø= Tube external Ø



Coupling with bulkhead hose adapter

Code	Item	LW	SW	L	D	L ₁	L ₂	SW ₁	G
572378	26KA TS06 MPX	6	21	60	25	25	25	14	M12x1
572379	26KA TS08 MPX	8	21	63	25	25	25	17	M16x1
572380	26KA TS10 MPX	10	21	72	25	25	25	17	M16x1

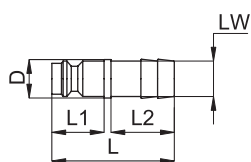
LW = Tube internal Ø



Coupling with rapid fitting and anti-deflection spring

Code	Item	Tube Ø	SW	L	D	L ₁
570124	26KA KK08 MPX	8	21	135	27	13
570125	26KA KK10 MPX	10	21	150	27	17
570126	26KA KK12 MPX	12	21	150	27	17

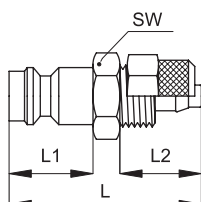
Tube Ø= Tube external Ø



Plug with hose adapter

Code	Item	LW	L	D	L ₁	L ₂
570127	26SF TF04 MXX	4	48	9	20	25
570128	26SF TF06 MXX	6	48	9	20	25
570129	26SF TF08 MXX	8	48	9	20	25
570130	26SF TF09 MXX	9	48	10	20	25
570131	26SF TF10 MXX	10	48	12	20	25
570132	26SF TF13 MXX	13	48	15	20	25

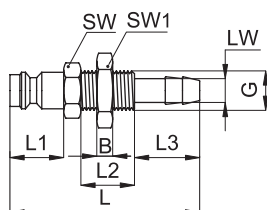
LW = Tube internal Ø



Plug with rapid fitting

Code	Item	Tube Ø	SW	L	L ₁	L ₂
570136	26SF KO06 MXX	6	14	34	20	13
570137	26SF KO08 MXX	8	17	34	20	13
570138	26SF KO10 MXX	10	17	42	20	17
570139	26SF KO12 MXX	12	19	42	20	17

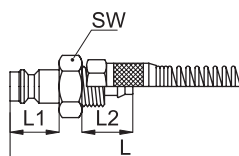
Tube Ø= Tube external Ø



Plug with bulkhead hose adapter

Code	Item	LW	SW	L	L ₁	L ₂	L ₃	SW ₁	B	G
570140	26SF TS06 MXX	6	14	64	20	14	25	14	4	M12x1
570141	26SF TS08 MXX	8	17	64	20	14	25	17	4	M12x1
570142	26SF TS10 MXX	10	17	64	20	14	25	17	4	M14x1

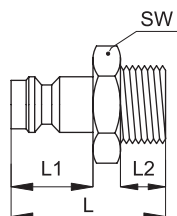
LW = Tube internal Ø



Plug with rapid fitting and anti-deflection spring

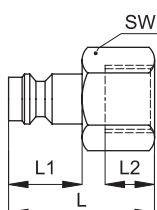
Code	Item	Tube Ø	SW	L	L ₁	L ₂
570143	26SF KK06 MXX	6	14	120	20	13
570144	26SF KK08 MXX	8	17	120	20	13
570145	26SF KK10 MXX	10	17	140	20	17
570146	26KA KK12 MXX	12	19	140	20	17

Tube Ø= Tube external Ø



Plug with male thread

Code	Item	Thread	SW	L	L ₁	L ₂
570147	26SF AW10 MXX	1/8"	14	31	20	7
570148	26SF AW13 MXX	1/4"	17	33	20	9
570149	26SF AW17 MXX	3/8"	19	33	20	9
570150	26SF AW21 MXX	1/2"	22	38	20	12
570151	26SF AD14 MXX	M14x1,5	17	35	20	10
570152	26SF AD16 MXX	M16x1,5	19	36	20	11
570153	26SF AD18 MXX	M18x1,5	22	37	20	11



Plug with female thread

Code	Item	Thread	SW	L	L ₁	L ₂
570154	26SF IW10 MXX	1/8"	14	30	20	7
570155	26SF IW13 MXX	1/4"	17	33	20	10
570156	26SF IW17 MXX	3/8"	19	33	20	10
570157	26SF IW21 MXX	1/2"	24	36	20	12
570158	26SF IM14 MXX	M14x1,5	17	33	20	10
570159	26SF IM16 MXX	M16x1,5	19	33	20	10
570160	26SF IM18 MXX	M18x1,5	22	36	20	13

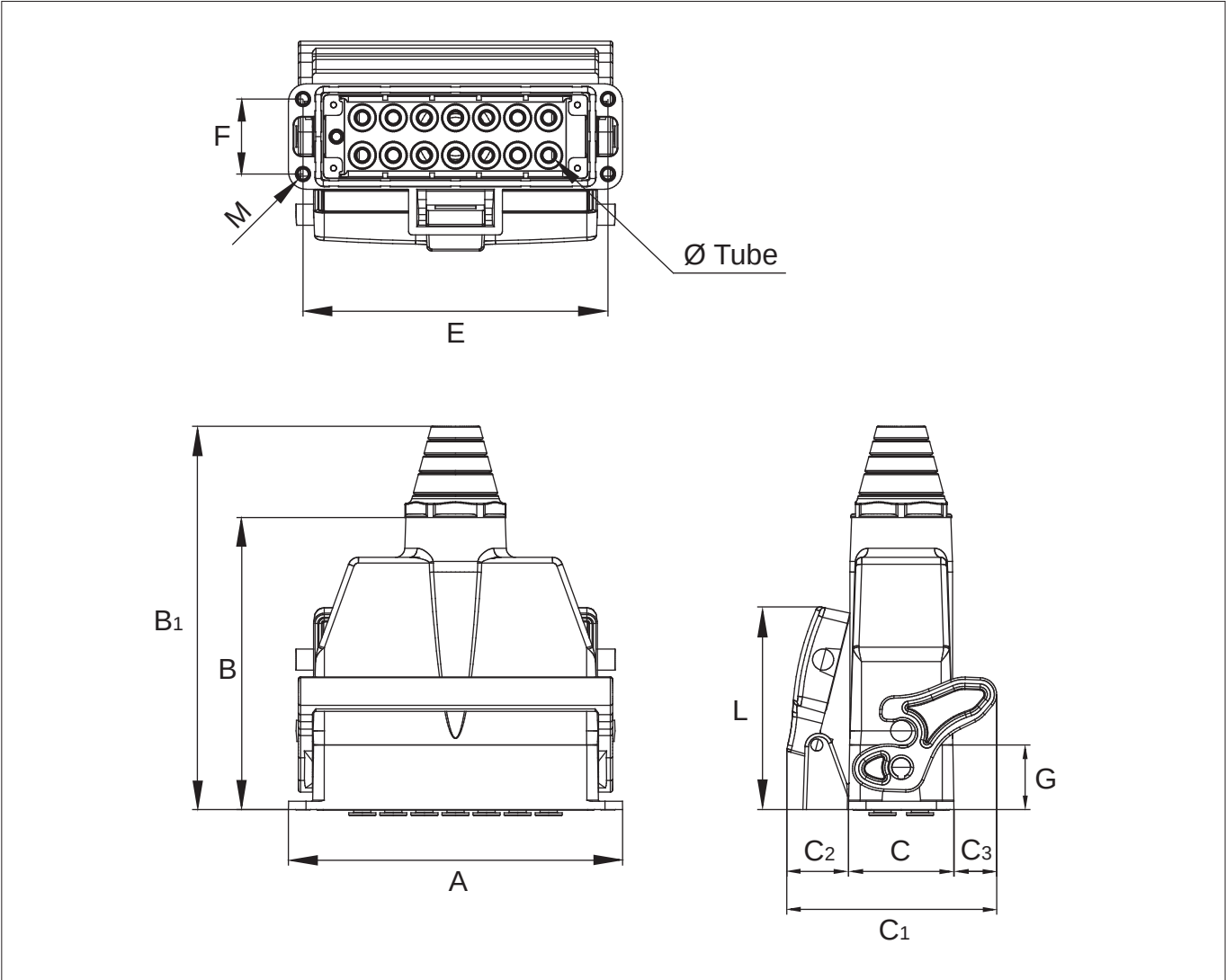
Version	Symbol	Type
Size 1, with push-in fittings with check valves		A013P
Size 1, with push-in fittings without check valves		A113P
Size 2, with push-in fittings without check valves		A213P



Series of multiple connectors available in various configurations (number and diameter of the tubes).
They are normally used when it is necessary to disconnect more connections quickly with only one operation only.
The tubes connection in the socket is with push-in fittings.
Is possible to connect a smaller number of tubes.
Adapter cannot be assembled the reverse side to the socket.

For standard items, codes and dimensions see the table at page 4.55.2.

Technical data		
Fluid	Compressed air	
Pressure range	0 ÷ 12 bar (Vacuum resistance: 750 mm. Hg) - Type A013 max 7 bar	
Temperature range	-20 °C ÷ 70 °C	
Connections (Tube Ø)	4x2,5; 5x3; 6x4; 8x6	
Connection tubes	Calibrated nylon, polyurethane and rilsan.	
Tubes tolerances	± 0,05 mm	
Materials	Body:	Painted aluminium
	Releasing lever:	Stainless steel
	Fittings:	Brass
	Seals:	Nitrile rubber (NBR)



Code	Item	Tube Ø	A	B	B ₁	C	C ₁	C ₂	C ₃	E	F	G	L	M	n° tubes
025008	A013P-6-6	6x4	95,5	125	163	45	89	26	18	82,5	32	28,5	87	4,5	6
025009	A013P-8-4	8x6	95,5	125	163	45	89	26	18	82,5	32	28,5	87	4,5	4
025001	A113P-4-12	4x2,5	115,5	125	163	45	89	26	18	103	32	28,5	87	4,5	12
025003	A113P-6-10	6x4	115,5	125	163	45	89	26	18	103	32	28,5	87	4,5	10
025004	A113P-8-8	8x6	115,5	125	163	45	89	26	18	103	32	28,5	87	4,5	8
025021	A213P-4-20	4x2,5	142,5	125	163	45	89	26	18	130	32	28,5	87	4,5	20
025022	A213P-6-14	6x4	142,5	125	163	45	89	26	18	130	32	28,5	87	4,5	14
025033	A213P-8-10	8x6	142,5	125	163	45	89	26	18	130	32	28,5	87	4,5	10

Version	Symbol	Type
With cross outlets		RX
With outlets on one side		RY
With outlets on both sides		RZ
With push-in fitting outlets on one side		RR

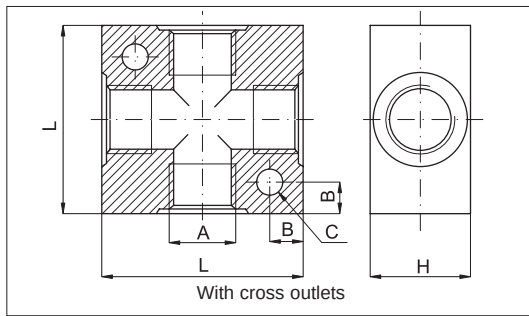


Series of anodised aluminium collectors available in various configurations and with female threaded outlets (1/8" and 1/4") or with integral 4- 6- 8- 10 mm push-in fittings.

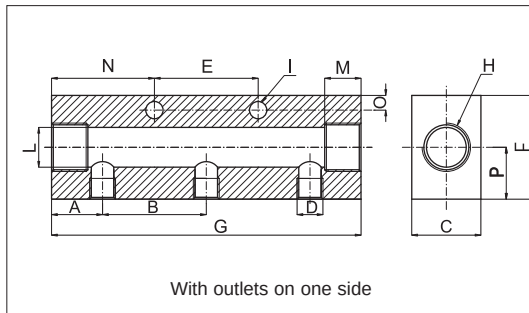
Standard connections		
Type	Inlets	Outlets
RX	1/8"	1/8"
	1/4"	1/4"
	3/8"	3/8"
	1/2"	1/2"
RY	1/4"	1/8"
	3/8"	1/4"
RZ	1/4"	1/8"
	3/8"	1/4"
RR	1/4"	Ø external 4 mm
	1/4"	Ø external 6 mm
	3/8"	Ø external 8 mm
	3/8"	Ø external 10 mm

For standard items, codes and dimensions see tables at page 4.60.2.

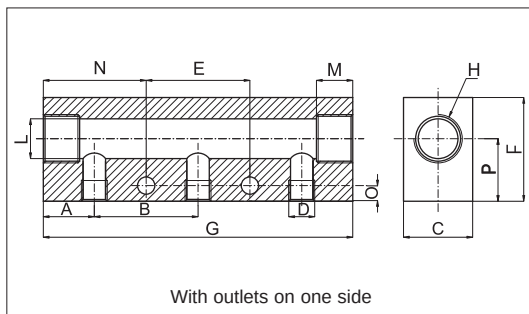
Technical data	
Fluid	Compressed air and other fluid
Pressure range	RX, RY, RZ: Always higher than the ones used in pneumatic installations. RR: max 12 bar.
Temperature range	See the data of the tubes and the fittings used.
Parallel threads	UNI - ISO 228/1 (BSP)
Connection tubes (per RR)	Calibrated nylon, polyurethane and rilsan
Tubes tolerances	± 0,05 mm
Materials	Body: Anodised aluminium For fittings data in the RR type see page 4.5.1.



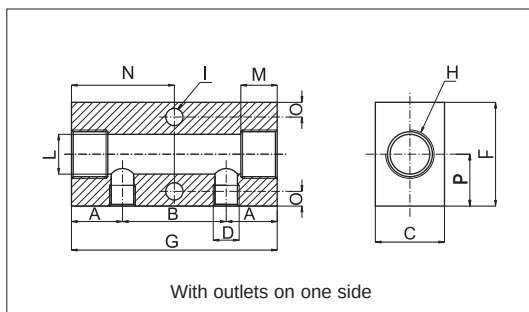
Code	Item	A	L	B	C	H
024501	RX8	1/8"	25	4,3	4,5	16
024502	RX4	1/4"	40	6,5	5,5	20
024503	RX3	3/8"	40	7,5	5,5	25
024504	RX2	1/2"	50	7,5	5,5	30



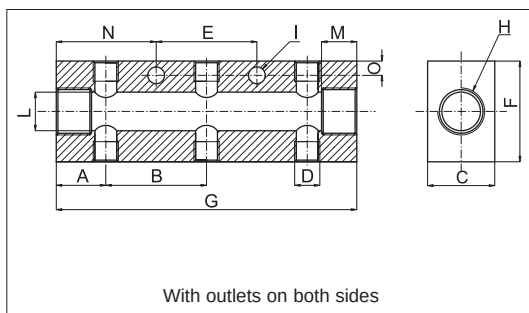
Code	Item	A	B	C	D	E	F	G	H	I	L	M	N	O	P	N° of side holes
024521	RY1	15	30	20	1/8"	30	30	90	1/4"	5,5	10	9,5	30	5	15	3
024522	RY2	15	30	20	1/8"	60	30	120	1/4"	5,5	10	9,5	30	5	15	4
024523	RY3	15	30	20	1/8"	90	30	150	1/4"	5,5	10	9,5	30	5	15	5
024524	RY4	15	30	20	1/8"	120	30	180	1/4"	5,5	10	9,5	30	5	15	6



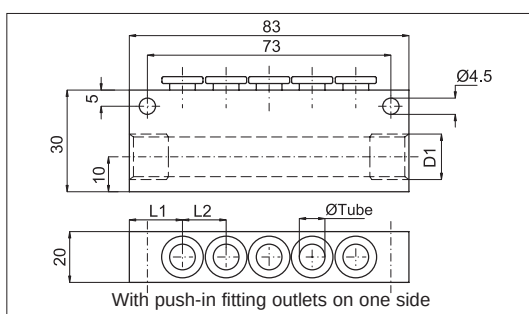
Code	Item	A	B	C	D	E	F	G	H	I	L	M	N	O	P	N° of side holes
024525	RY5	18	36	20	1/4"	36	30	108	3/8"	6,5	12	10,5	36	6	19	3
024526	RY6	18	36	20	1/4"	72	30	144	3/8"	6,5	12	10,5	36	6	19	4
024527	RY7	18	36	20	1/4"	108	30	180	3/8"	6,5	12	10,5	36	6	19	5
024528	RY8	18	36	20	1/4"	144	30	216	3/8"	6,5	12	10,5	36	6	19	6



Code	Item	A	B	C	D	F	G	H	I	L	M	N	O	P	N° of side holes
024529	RY9	15	30	20	1/8"	30	60	1/4"	6,5	10	9,5	30	6	15	2



Code	Item	A	B	C	D	E	F	G	H	I	L	M	N	O	N° of side holes
024551	RZ1	16	30	20	1/8"	0	30	62	1/4"	6,5	10	9,5	31	6	2+2
024552	RZ2	15	30	20	1/8"	30	30	90	1/4"	5,5	10	9,5	30	5	3+3
024553	RZ3	15	30	20	1/8"	60	30	120	1/4"	5,5	10	9,5	30	5	4+4
024554	RZ4	15	30	20	1/8"	90	30	150	1/4"	5,5	10	9,5	30	5	5+5
024555	RZ5	18	36	20	1/4"	28	40	72	3/8"	6,5	12	10,5	36	6	2+2
024556	RZ6	18	36	20	1/4"	36	40	108	3/8"	6,5	12	10,5	36	6	3+3
024557	RZ7	18	36	20	1/4"	72	40	144	3/8"	6,5	12	10,5	36	6	4+4
024558	RZ8	18	36	20	1/4"	108	40	180	3/8"	6,5	12	10,5	36	6	5+5



Code	Item	D ₁	L ₁	L ₂	Est. tube Ø	N° of outlets
024570	RR46	1/4"	14	11	4	6
024571	RR65	1/4"	15,5	13	6	5
024572	RR84	3/8"	17,5	16	8	4

Version	Symbol	Type
RILSAN linear tube		TR
POLYURETHANE linear tube		TPU
POLYETHYLENE linear tube		TP
NYLON linear tube		TN
RILSAN spiral without straight terminals		SR
POLYURETHANE spiral with straight terminals		SPU
PTFE linear tube <i>New</i>		TT



Series of tubes and spirals for pneumatic installations available in various materials, dimensions and colours according to the application and the fitting used.
On request they can also be supplied in the multi-tube version.

How to order: TR8X6NE

TR	8x6	NE
Type	Ø Code	Colour code

See the tables below to choose available types / dimensions / colours / kits.

Table of tube Ø/type standard dimensions

Type	Code	4x2	4x2,5	4x2,7	5x3	6x4	8x5,5	8x6	10x6,5	10x8	12x8	12x9	12x10	14x10	14x12	15x12
TR		•	•	•	•	•		•		•			•		•	•
TPU		•	•		•	•	•	•	•	•	•	•		•		
TP		•	•		•	•		•		•			•	•		•
TN		•	•		•	•		•		•			•		•	•
SR		•	•			•		•		•			•			•
SPU			•			•	•		•		•					
TT		•	•		•	•		•		•	•	•	•	•	•	

Table of colour/type standard colours

Type	Colour	Neutral	Azure	Black	Red	Yellow	Green	Blue	Orange
	Code	NT	AZ	NE	RO	GI	VE	BL	AR
TR		•	•	•	•	•	•		
TPU		•	•	•					
TP		•		•					
TN		•		•				•	
SR					•			•	•
SPU		•	•	•		•			
TT		•							

Attention:
All the 14 and 15 mm tubes are only available in neutral colour (NT).

Technical data

	Rilsan PA 11	Polyurethane PU	Polyethylene PE	Nylon PA6	PTFE
Fluid	Compressed air				
Pressure range (a 20 °C) bar	4x2=44, 4x2,5=31, 4x2,7=26, 5x3=33, 6x4=27, 8x6=19, 10x8=15, 12x10=12, 14x12=10, 15x12=15	4x2=22, 4x2,5=15, 5x3=17, 6x4=13, 8x5,5=12, 8x6=10, 10x6,5=14, 10x8=7, 12x8=13, 12x9=10	4x2=21, 4x2,5=15, 5x3=16, 6x4=13, 8x6=9, 10x8=7, 12x10=6, 14x10=11, 15x12=7	4x2=56, 4x2,5=38, 5x3=42, 6x4=33, 8x6=24, 10x8=29, 12x10=15, 14x12=13, 15x12=19	4x2=20, 4x2,5=13, 5x3=16, 6x4=13, 8x6=10, 10x8=8, 12x10=7, 14x12=6, 15x12=7
Temperature range	-40 °C ÷ +80 °C	-40 °C ÷ +60 °C	-10 °C ÷ +60 °C	-10 °C ÷ +90 °C	-60 °C ÷ +260 °C
External Ø tolerance ≤ 10 mm	± 0,05	± 0,07	± 0,05	± 0,05	± 0,16
External Ø tolerance ≥ 12 mm	± 0,1	± 0,1	± 0,1	± 0,1	± 0,30
Standard rolls	Ø 4 ÷ Ø 10 = 100 mt Ø 12 ÷ Ø 15 = 50 mt	100 mt	100 mt	Ø 4 ÷ Ø 12 = 100 mt Ø 14 ÷ Ø 15 = 50 mt	100 mt

Tubes, tube cutters, blow guns, washers

Flexible linear spatter resistant tubes



Version	Symbol	Type
Single layer tube		FS
Double layer tube		FW
Protection cap for single layer tube		CP
Protection cap for double layer tube		CPFW



Series of single and double layer spatter resistant tubes suitable for weld lines.

The double layer FW type is in conformity with standards:

- internal tube: V-2 UL94
- external tube: V-0 UL94

The external layer cover must be removed by the cutter type TSC (see page 4.65.21).

The caps must be used as protections to prevent the weld slags from depositing between the fitting and the tube.

You should use metal fittings series R (see page 4.2.1).

Type: FS			
Code	Item	Tube Ø	Roll (mt)
841001	FS4x2,5NE	4x2,5	100
841011	FS6x4NE	6x4	100
841021	FS8x5,5NE	8x5,5	100
841031	FS10x7NE	10x7	100
841041	FS12x8,5NE	12x8,5	100

Type: FW				
Code	Item	Cover tightness	Tube Ø	Roll (mt)
841101	FW6x4NE	1	6x4	100
841102	FW8x6NE	1	8x6	100
841103	FW10x7,5NE	1	10x7,5	100
841104	FW12x9NE	1	12x9	50

Type: CP						
	Code	Item	Tube Ø	L	D ₁	D ₂
	841095	CP4	4	20	4,5	9,5
	841096	CP6	6	24	6	12,3
	841097	CP8	8	26	8	14,3
	841098	CP10	10	30	10	17,3
	841099	CP12	12	31	12	19,8

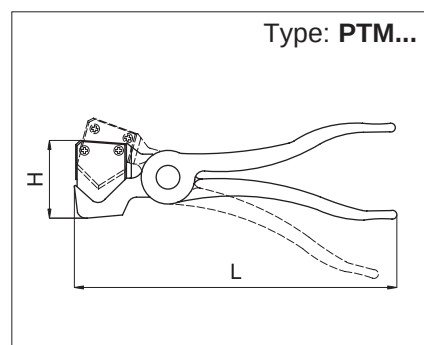
Type: CPFW						
	Code	Item	Tube Ø	L	D ₁	D ₂
	844961	CPFW6	6	32	8	12,3
	844962	CPFW8	8	34	10	14,3
	844963	CPFW10	10	40	12	17,3
	844964	CPFW12	12	41	14	19,8

Technical data		
	Type FS	Type FW
Fluid	Compressed air, water, oil	
Pressure range (a 20 °C) bar	from Ø 4 to Ø 6 = 10 bar from Ø 8 to Ø 12 = 9 bar.	Ø 6 = 10 bar from Ø 8 to Ø 12 = 8 bar.
Temperature range	Air: -40 °C ÷ +100 °C - Water: 0 °C ÷ +70 °C - Oil: -40 °C ÷ +80 °C	

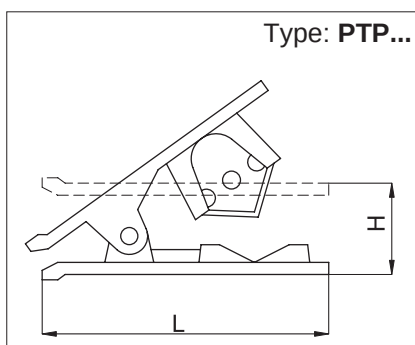
Version	Code	Item
In black plastic, for tube from Ø 2 to 12 mm	022911	PTPNE
In red plastic, for tube from Ø 2 to 12 mm	022912	PTPRO
In blue plastic, for tube from Ø 2 to 12 mm	022913	PTPBL
Metal for tube from Ø 2 to 12 mm	022981	PTM12
Metal for tube till Ø 25 mm	022982	PTM25
Replacement blade for type PTP	022910	LPTP
Replacement blade for type PTM12	022991	LPTM12
Replacement blade for type PTM25	022992	LPTM25
External cover cutter for double layer spatter resistant tube (for Ø 6 and 8 mm)	750010	TSC8-6
External cover cutter for double layer spatter resistant tube (for Ø 10 and 12 mm)	750011	TSC12-10



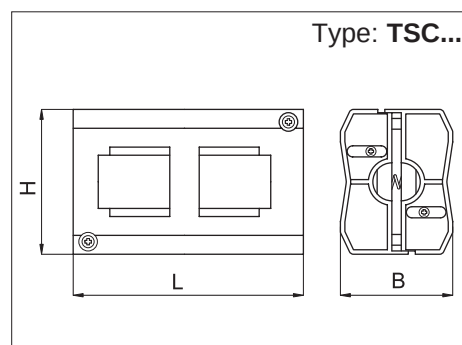
On request the series PTP can be supplied in various colours and be customised with private label (for bulk quantities).



Item	L	H
PTM12	130	30
PTM25	185	46



Item	L	H
PTP...	81	27



Item	L	H	B
TSC8-6	75	49	39
TSC12-10			

Technical data			
	PTP	PTM	TSC
Body material	Acetal resin	Chrome plated steel	Acetal resin
Blade material	Stainless steel	Steel	Stainless steel
Tube	Rilsan, polyurethane, polyethylene, nylon		Spatter resistant (for cutting the external cover)

Version	Code	Item
Made of metal, with female 1/4" port (economic model)	572384	AH13
Made of plastic, with female 1/4" port and short nozzle	570167	AN13
Made of plastic, with female 1/4" port and extension tube	570166	AK13
Made of plastic, with female 1/4" port and female connection for accessories	570168	AM13
Silenced nozzle (for the blow gun type AM13)	570169	AR12
Venturi nozzle (for the blow gun type AM13)	570170	AT12
150 mm extension tube (for the blow gun type AM13)	570171	VR12
Safety nozzle (for the blow gun type AM13)	570172	SD12



Series of blow guns for industrial use.

Various accessories can be applied to the type AM13:

AR12 Silenced nozzle lowering noise level (till 63 dB)

AT12 Venturi nozzle, energy saving as thanks to its working principle it aspirates 2/3 of environmental air and in this way allows a wide blow-out effect

VR12 Extension tube

SD12 Safety nozzle forming a protection shield against kicking chips.

Technical data	
Fluid	Compressed air
Pressure range	10 bar
Temperature range	-10 °C ÷ +60 °C
Materials	Body: AH13, in die cast nickel plated aluminium; AN13, AK13, AM13 in acetal resin Seals: Nitrile rubber (NBR) Nozzles: SD12, VR12 in nickel plated brass - AT12, in acetal resin - AR12, in Aluminium

Version	Symbol	Type
In aluminium		RA
In nylon (white)		RN
In copper		RR
In fibre		RF
In unlosable nylon (black, indented)		RB



Series of washers applying to male parallel threads to tighten the female thread.

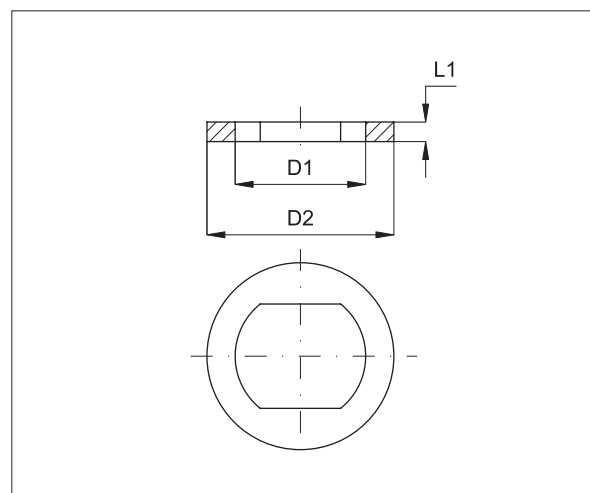
On request they can be supplied with special dimensions.

How to order: 2RN

2	RN
Thread code	Type

Threads	1/8"	1/4"	3/8"	1/2"	3/4"	1"	M5	1 1/4"	1 1/2"	2"
Code	1	2	3	4	5	6	7	14	12	20

RA Aluminium		RN Nylon		RR Copper		RF Fibre		Dimensions			
Code	Item	Code	Item	Code	Item	Code	Item	Thread	Ext. Ø	Int. Ø	Tightness
022621	1RA	022661	1RN	022641	1RR	022681	1RF	1/8"	14	10	1
022622	2RA	022662	2RN	022642	2RR	022682	1RF	1/4"	17,5	13	1,5
022623	3RA	022663	3RN	022643	3RR	022683	3RF	3/8"	22	17	1,5
022624	4RA	022664	4RN	022644	4RR	022684	4RF	1/2"	27	21	1,5
022625	5RA	022665	5RN	022645	5RR	022685	5RF	3/4"	32	27	1,5
022626	6RA	022666	6RN	022646	6RR	022686	6RF	1"	39	33	1,5
-	14RA	-	14RN	022647	14RR	-	14RF	1 1/4"	50	42	1,5
022628	12RA	-	12RN	022648	12RR	-	12RF	1 1/2"	55	48	1,5
-	20RA	-	20RN	022649	20RR	-	20RF	2"	70	60	1,5
022630	7RA	022670	7RN	022650	7RR	022690	7RF	M5	8,5	5	1



RB Unlosable Nylon		Dimensions			
Code	Item	Thread	D ₁	D ₂	L ₁
022691	1RB	1/8"	10	14	2
022692	2RB	1/4"	13,2	18	2
022693	3RB	3/8"	17	22	2
022694	4RB	1/2"	21,5	26	2,5
022695	7RB	M5	5	9	1,5

Version	Symbol	Type
In azure painted steel		SBCV

Litres	0,5	1	2,5	5	7	10	12	15	24	50	100
Code	05	1	2	5	7	10	12	15	24	50	100

N° of connection	2	4
Code	2	4



Keep to the use and maintenance manual supplied together with each reservoir.



On request, they can be supplied according to 2014/34/EU - ATEX

Series of air-reservoirs for compressed air built according to directive 2014/68/EU and 2014/29/EU about plants under pressure.

* How to order: 24SBCV4

24	SBCV	4
Litres code	Type	Code of the number of connections

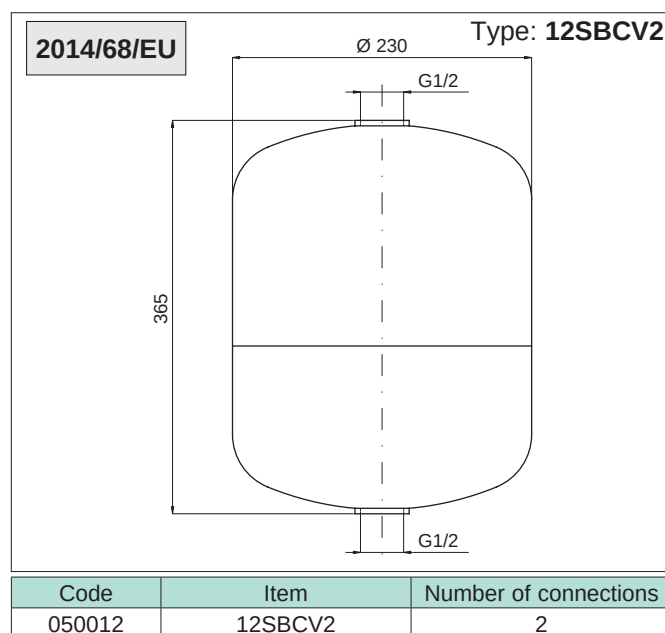
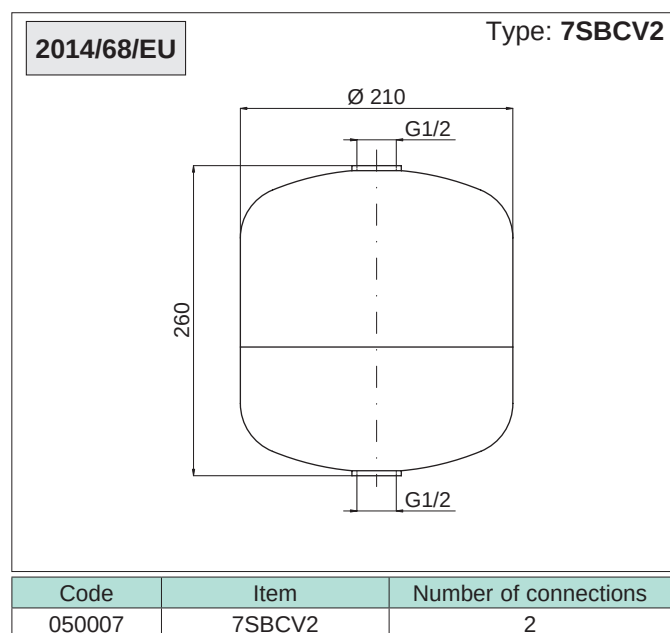
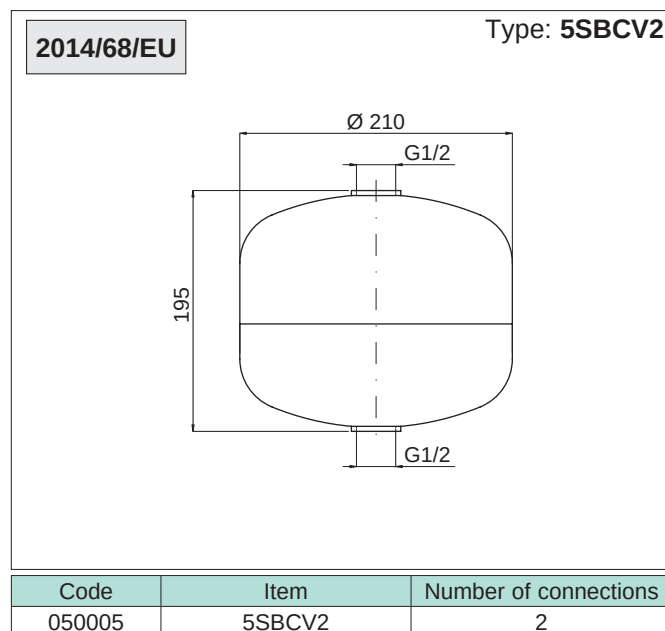
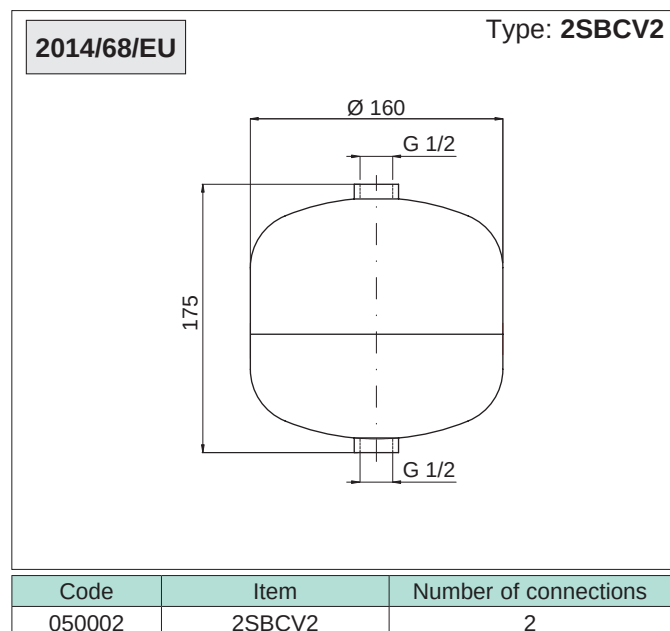
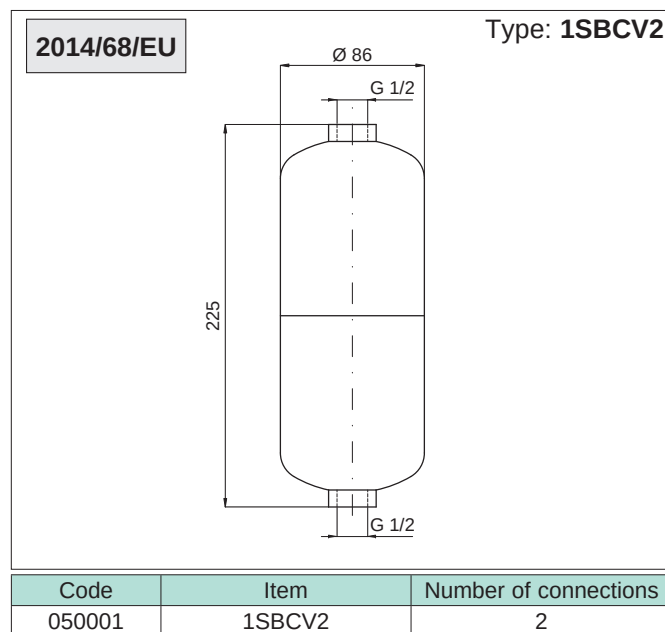
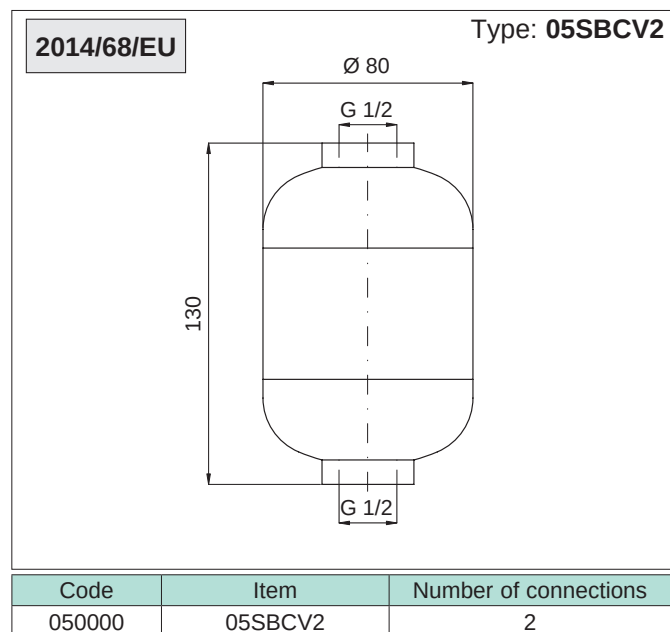
* For standard models, codes and dimensions see tables from page 4.70.2.

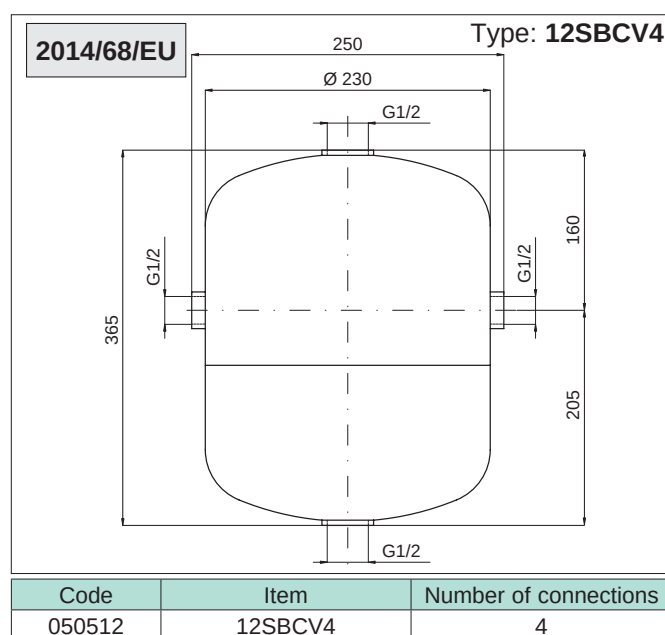
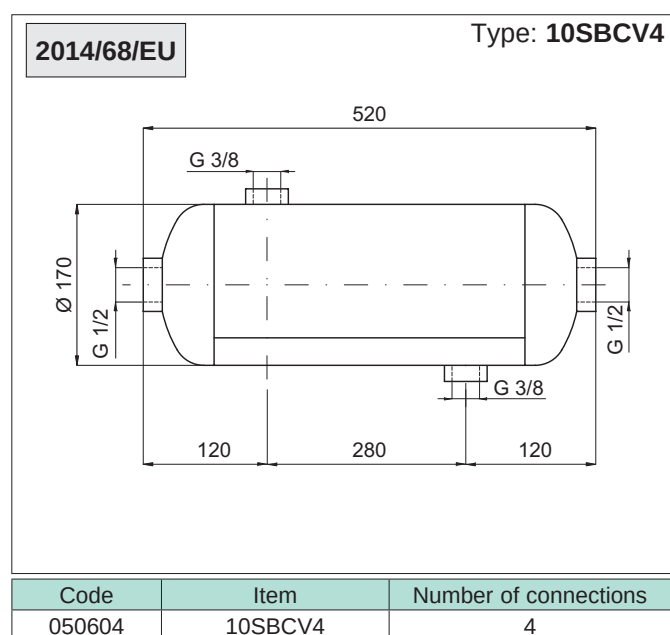
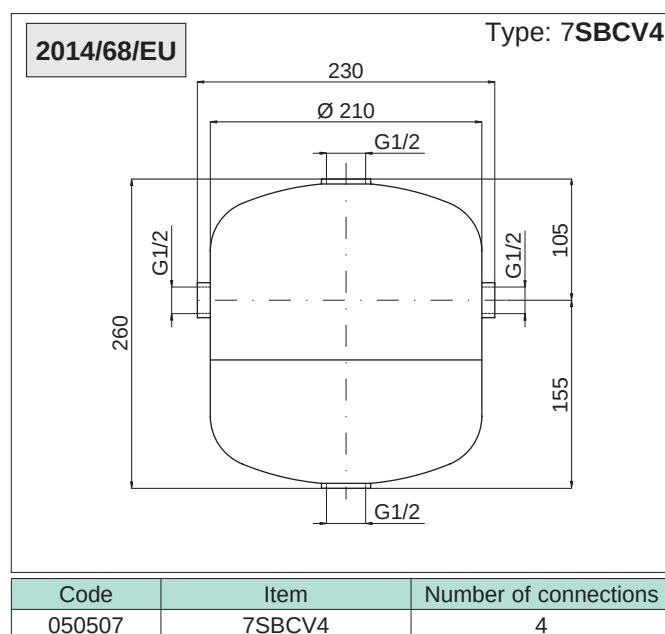
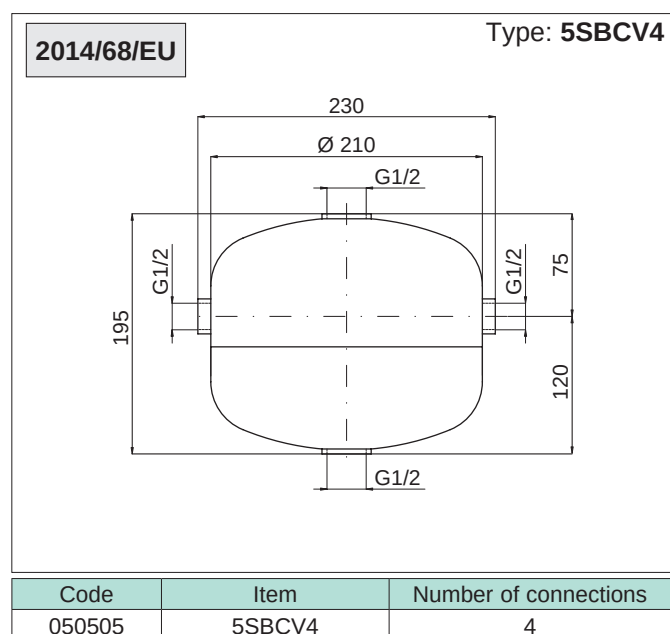
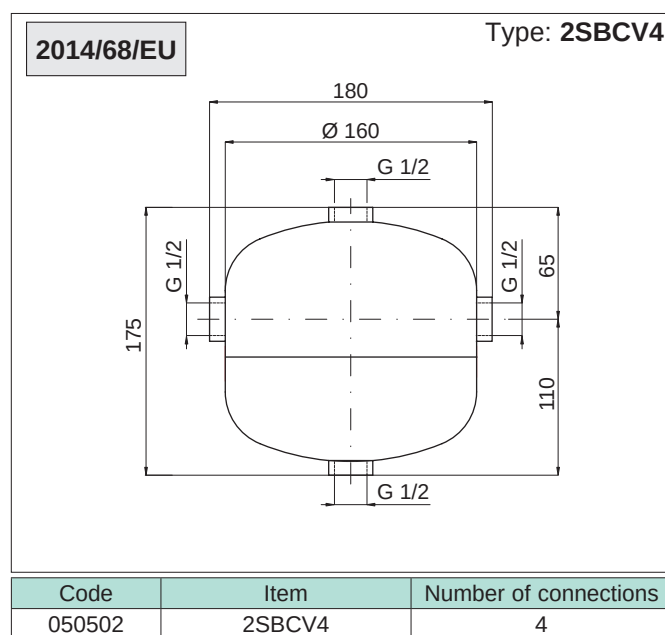
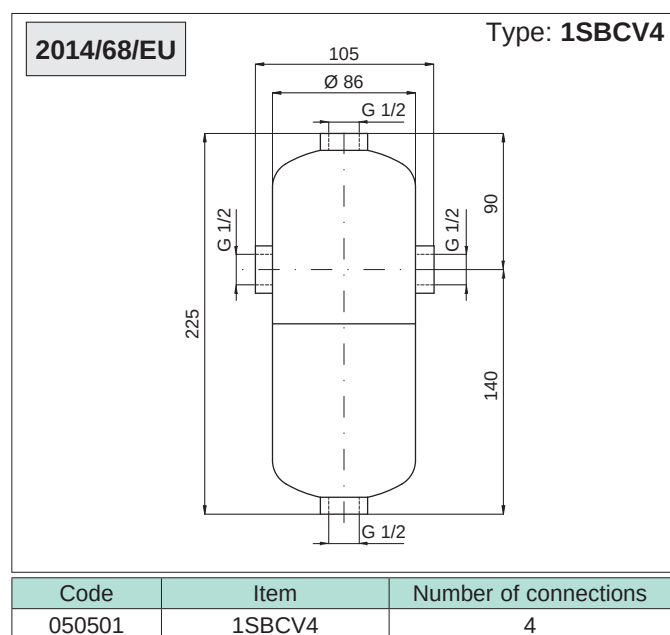
For accessories see page 4.70.11.

For safety valves see page 2.390.1.

For pressure-gauges see page 3.50.1.

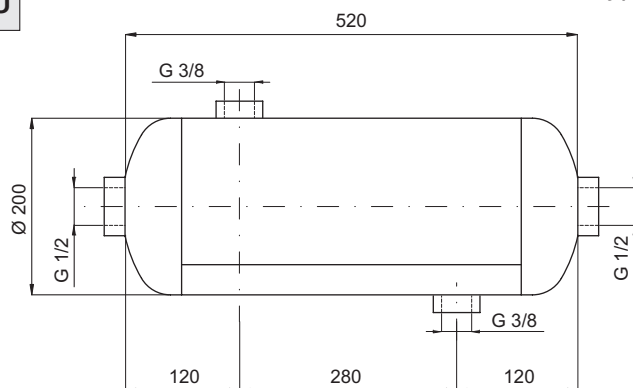
Technical data	
	SBCV
Fluid	Compressed air
Pressure	11 bar
Hydrostatic test pressure	16,5 bar
Temperature range	-10 °C ÷ +60 °C
Threads	Parallel UNI - ISO 228/1 (BSP)
Materials	Bottom: Steel Fe PO4 Shell: Steel Fe PO4 Socket joint: Fe 45.1
External treatments	Epoxide power painting RAL 5015-110
Weldings	Between the bottom and the shell: Wire welding Between the bottom and the socket joint: Submerged arc welding Between the shell and the socket joint: Submerged arc welding
Dimensions	Tolerances on mesures in the catalog = ± 5 mm





2014/68/EU

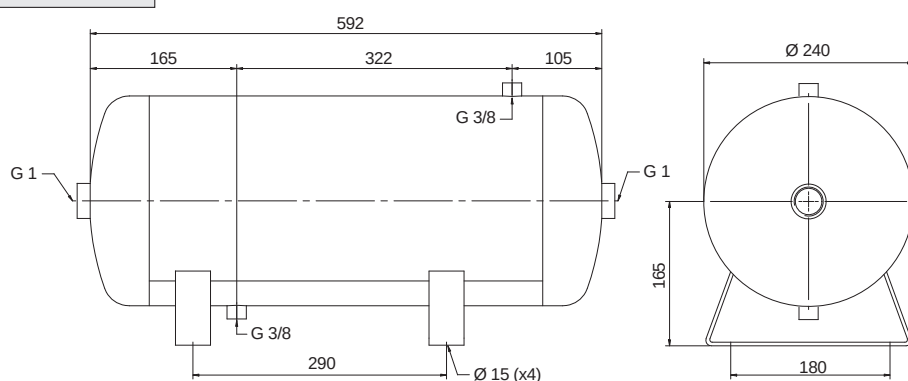
Type: 15SBCV4



Code	Item	N. of connections
050605	15SBCV4	4

2014/29/EU

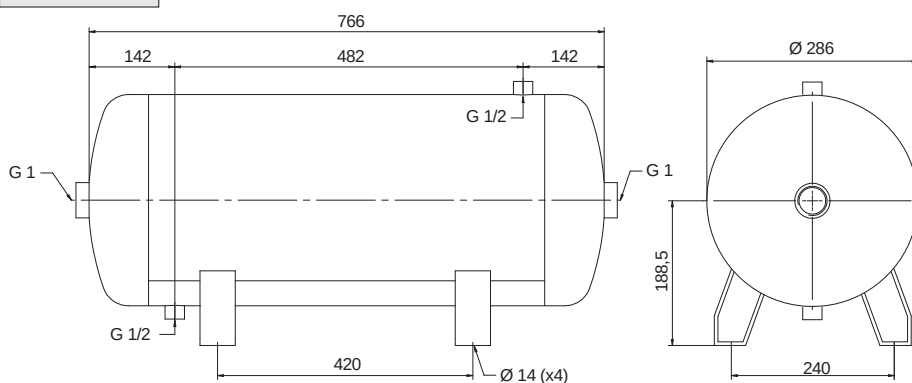
Type: 24SBCV4



Code	Item	N. of connections
050102	24SBCV4	4

2014/29/EU

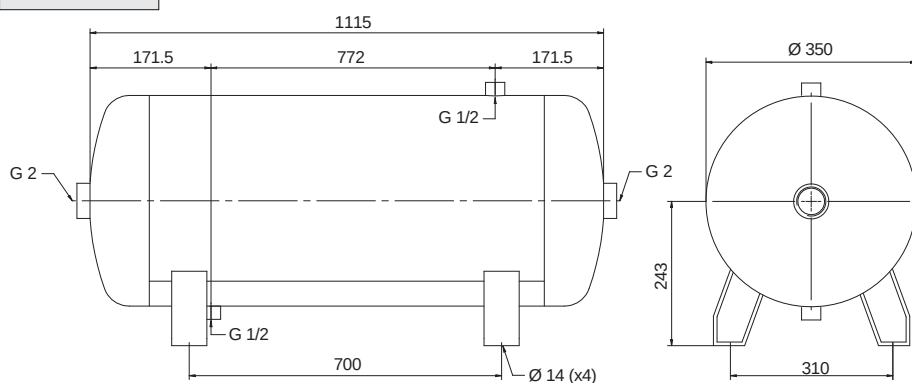
Type: 50SBCV4



Code	Item	N. of connections
050101	50SBCV4	4

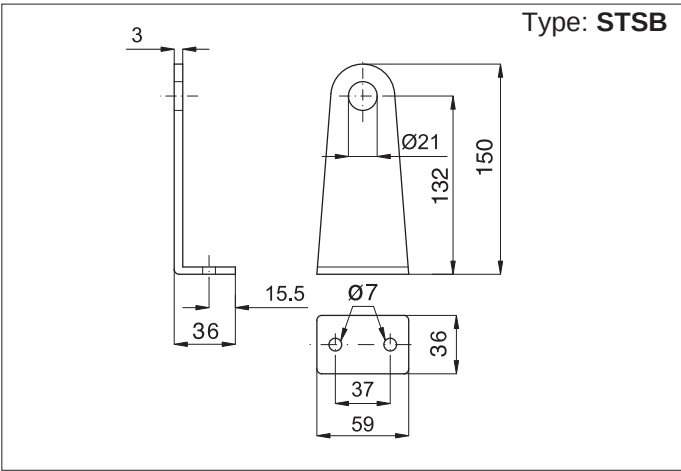
2014/29/EU

Type: 100SBCV4



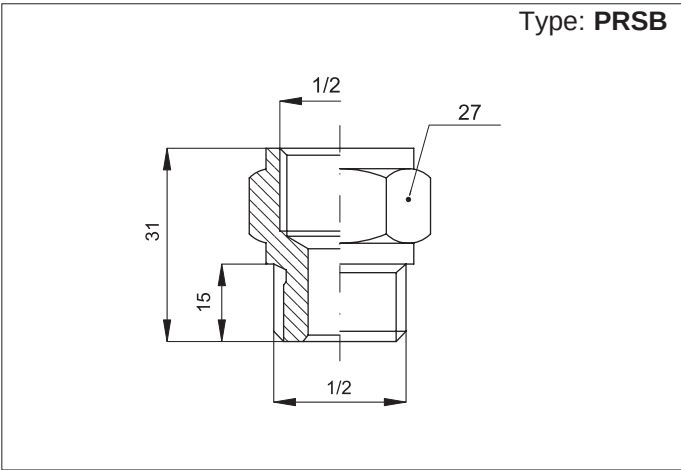
Code	Item	N. of connections
050615	100SBCV4	4

Version	Symbol	Type
Mounting bracket		STSB
Bracket/tank connection fitting		PRSB
Semi-automatic condense drain valve		VCSB

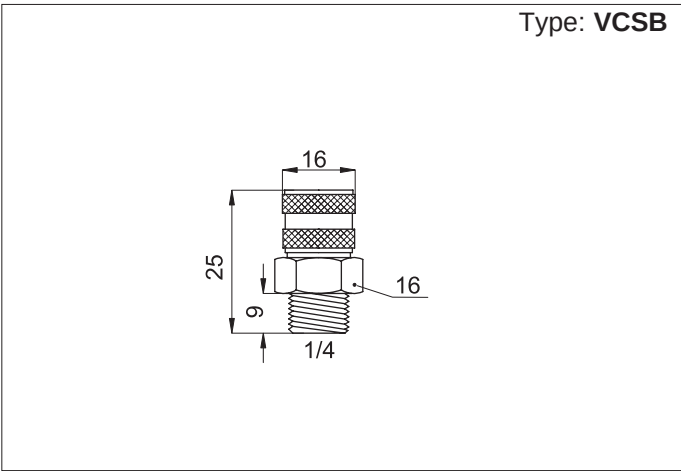


Series of accessories for the mounting (bracket and fitting) and the use (condense drain valve) of the reservoirs.

Code	Item
050601	STSB
Material: Zinc plated steel	



Code	Item
050603	PRSB
Material: Nickel plated brass	



Code	Item
050602	VCSB
Material: Acetal resin	

Version	Symbol	Type
Unidirectional with female-female thread		V52
Bi-directional with female-female thread		V53
Unidirectional with push-in fitting		V54..U
Bi-directional with push-in fitting		V54..B
For cylinders with male thread on inlet and push-in fitting on outlet		V55..C
For valves with male thread on inlet and push-in fitting on outlet		V55..V



Series of in-line flow restrictors available with one direction (unidirectional) or 2 directions (bi-directional) control of the compressed air flow.

* How to order: V521414

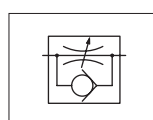
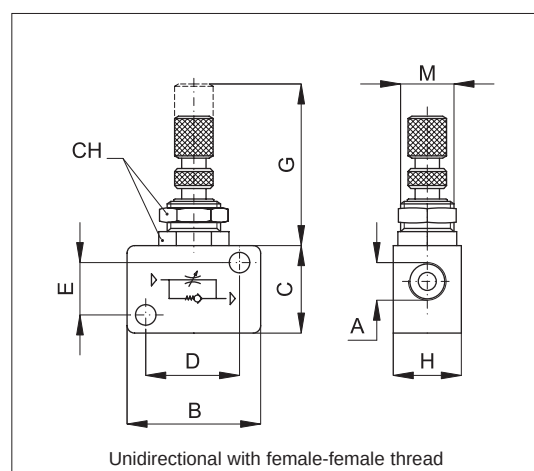
Threads	1/8"	1/4"	3/8"	1/2"	M5
Code	18	14	38	12	M5

V52	14	14
Type	Tube or thread code	Tube or thread code

External tube (mm)	4	6	8
Code	04	06	08

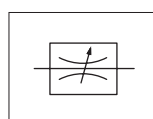
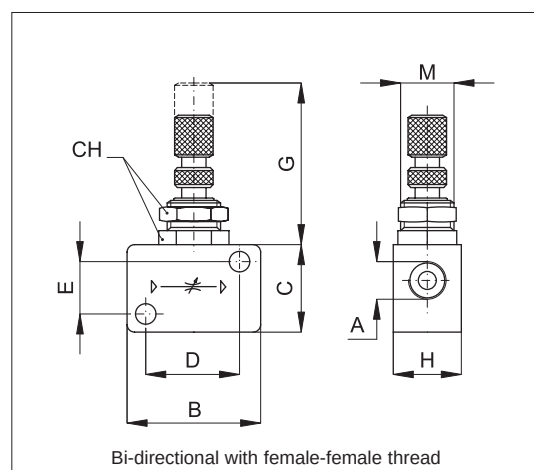
Flow table at 6 bar (Nl/min)													
V52				V53				V54			V55		
1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"	04	06	08	04	06	08
450	600	1100	1400	210	300	500	500	140	250	400	100	250	400

Technical data				
	V52	V53	V54	V55
Fluid	Compressed filtered air with or without lubrication			
Pressure range	2 ÷ 10 bar		0,5 ÷ 10 bar	
Temperature range	0 °C ÷ 60 °C			
Threads	Parallel: UNI - ISO 228/1, Metric: ISO R / 262			
Connection tubes	According to the fitting used		Calibrated nylon, polyurethane and rilsan	
Tubes tolerances	—		± 0,05 mm	
Materials	Body: Anodised aluminium Needle: Nickel plated brass Seals: Nitrile rubber (NBR) Spring: Stainless steel		Body: Acetal resin Needle: Nickel plated brass Connections: Thread in nickel plated brass/ Push-in fitting Seals: Nitrile rubber (NBR) Spring: Stainless steel	



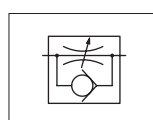
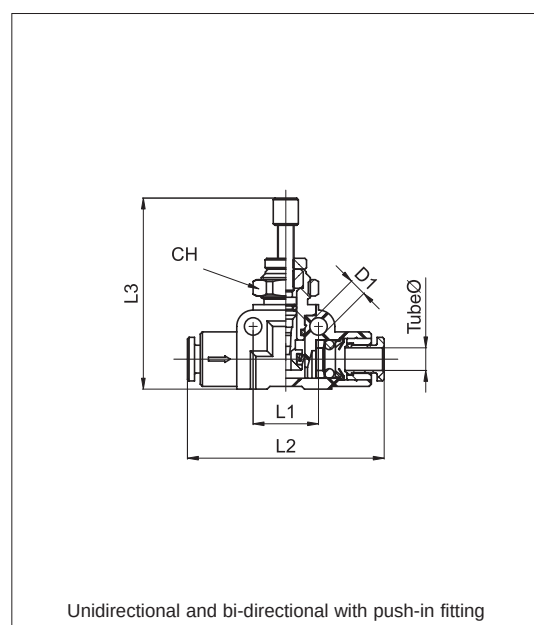
Unidirectional

Code	Item	A	B	C	H	D	E	F	G	M	H
030001	V521818	1/8"	32	22	17	23	13	4,5	35	M12	15
030002	V521414	1/4"	39	32	22	30	22	4,5	35	M12	15
030004	V523838	3/8"	56	42	27	43	27	6,5	43	M18	24
030005	V521212	1/2"	56	42	27	43	27	6,5	43	M18	24



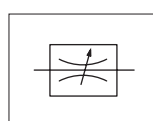
Bi-directional

Code	Item	A	B	C	H	D	E	F	G	M	H
030031	V531818	1/8"	32	22	17	23	13	4,5	35	M12	15
030032	V531414	1/4"	39	32	22	30	22	4,5	35	M12	15
030033	V533838	3/8"	56	42	27	43	27	6,5	43	M18	24
030034	V531212	1/2"	56	42	27	43	27	6,5	43	M18	24



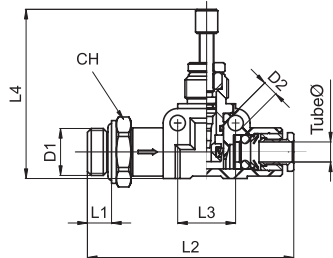
Unidirectional

Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
030041	V540404U	4	3,2	13	35	35	11	14
030042	V540606U	6	3,2	16	45	45	14	26
030043	V540808U	8	3,2	16	46	46	14	28

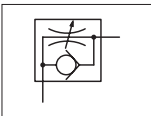


Bi-directional

Code	Item	Tube Ø	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
030078	V540404B	4	3,2	13	35	35	11	14
030079	V540606B	6	3,2	16	45	45	14	26
030080	V540808B	8	3,2	16	46	46	14	28

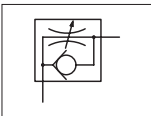


For cylinders and for valves with male thread on inlet
and push-in fitting on outlet



For cylinders

Code	Item	Tube Ø	D1	D2	L1	L2	L3	L4 max	CH	gr.
030045	V5504M5C	4	M5	3,2	4	43	15	35	9	17,5
030048	V550418C	4	1/8"	3,2	5	53	15	35	13	18
030047	V550618C	6	1/8"	3,2	5	52	15	45	13	32
030048	V550614C	6	1/4"	3,2	6,5	54	15	45	16	35
030049	V550818C	8	1/8"	3,2	5	53	15	46	14	35
030050	V550814C	8	1/4"	3,2	6,5	55	15	46	16	37



For valves

Code	Item	Tube Ø	D1	D2	L1	L2	L3	L4 max	CH	gr.
030045	V5504M5C	4	M5	3,2	4	43	15	35	9	17,5
030048	V550418C	4	1/8"	3,2	5	53	15	35	13	18
030047	V550618C	6	1/8"	3,2	5	52	15	45	13	32
030048	V550614C	6	1/4"	3,2	6,5	54	15	45	16	35
030049	V550818C	8	1/8"	3,2	5	53	15	46	14	35
030050	V550814C	8	1/4"	3,2	6,5	55	15	46	16	37

Version	Symbol	Type
Body and banjo bolt with adjustment (in brass)		
Banjo bolt with screwdriver adjustment		V15
Banjo bolt with manual adjustment		V14
Banjo BSP with screwdriver adjustment		V17
Banjo BSP with manual adjustment		V40
Swivel with screwdriver adjustment and push-in fitting		V18
Swivel with manual adjustment and push-in fitting		V41
Swivel with screwdriver adjustment and rapid fitting		V20
Body in Delrin and banjo bolt with adjustment in brass		
Banjo with screwdriver adjustment and push-in fitting		V39
Banjo with manual adjustment and push-in fitting		V37
Swivel with screwdriver adjustment and push-in fitting		V38
Swivel with manual adjustment and push-in fitting		V36



Series of flow controls normally applied directly to cylinder connections to control the translation velocity. Available with different functions: unidirectional with outlet adjustment (C); unidirectional with inlet adjustment (V); bi-directional with adjustment in both directions. In order to control the cylinder velocity it is advisable to apply 2 unidirectional flow controls with outlet adjustment (C), which act on the exhaust flow from the cylinder chambers and don't interfere with the inlet flow to the chambers.

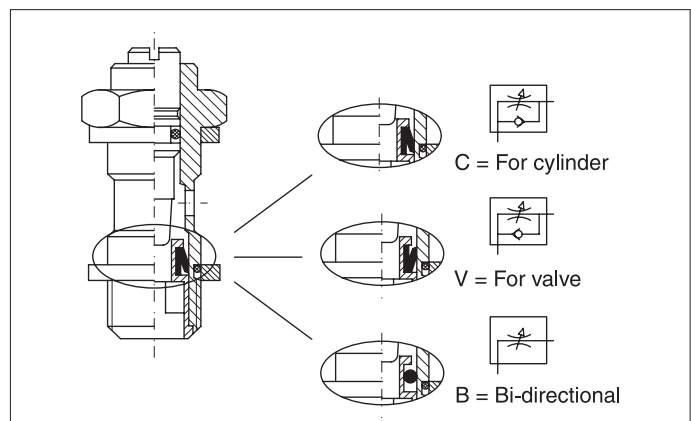
* How to order: V180618C

V18	06	18	C
Type	Tube or thread code	Thread code	Function code

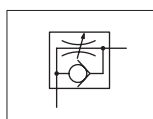
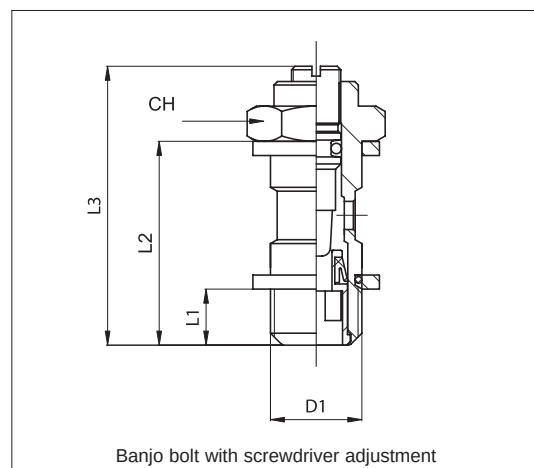
* For standard items, codes and dimensions see tables from page 4.80.12.

For flows see diagrams at page 4.80.30.

External tube Ø (mm)	4	6	8	10	12	14
Code	04	06	08	10	12	14
Threads	M5	1/8"	1/4"	3/8"	1/2"	
Code	M5	18	14	38	12	
Function	For cylinder	For valve	Bi-directional			
Code	C	V	B			



Technical data	
Fluid	Compressed filtered air with or without lubrication
Pressure range	0,5 ÷ 10 bar
Temperature range	-20 °C ÷ +70 °C
Threads	Parallel UNI - ISO 228/1 (BSP) - Metric: ISO R / 262
Connection tubes	Calibrated nylon, polyurethane and rilsan
Tubes tolerances	± 0,05 mm
Materials	Banjo bolt with adjustment: Nickel plated brass Body: Nickel plated brass / Acetal resin Seals: Nitrile rubber (NBR)

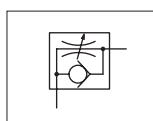
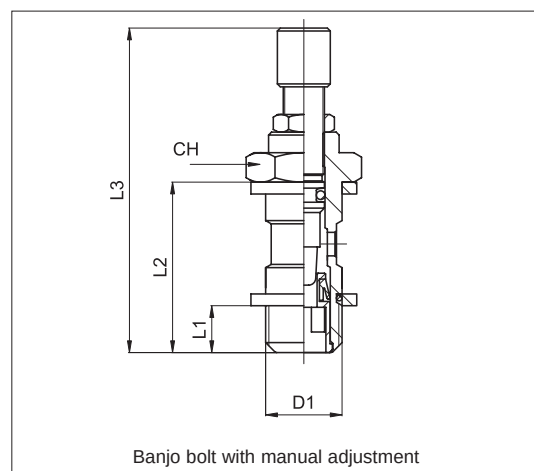


For cylinder

Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024021	V15 00 M5C	M5	4	16	23,5	8	5
024022	V15 00 18C	1/8"	6	25	36	14	16
024023	V15 00 14C	1/4"	8	29	42	17	32
024024	V15 00 38C	3/8"	9	33	52	20	59
024025	V15 00 12C	1/2"	10	39	61	26	108
024090	V15 00 -----	1/2"	10	39	61	26	108

For banjo push-in fittings series R
 For banjo push-in fittings series RT
 For banjo rapid fittings series C
 For banjo compression fittings series O
 For banjo standard fittings series A

see page 4.2.9.
 see page 4.5.7.
 see from page 4.20.7.
 see page 4.25.5.
 see page 4.35.9.

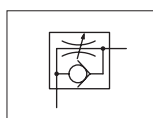
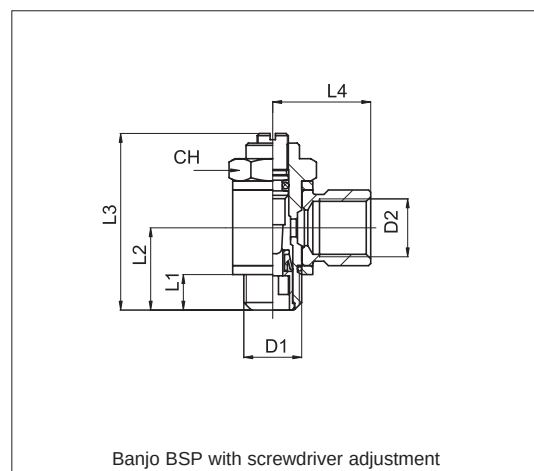


For cylinder

Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024026	V14 00 M5C	M5	4	16	38,5	8	7
024027	V14 00 18C	1/8"	6	25	50	14	22
024028	V14 00 14C	1/4"	8	29	58	17	38
024029	V14 00 38C	3/8"	9	33	72	20	67
024030	V14 00 12C	1/2"	10	39	81	26	121

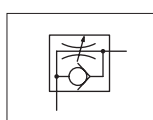
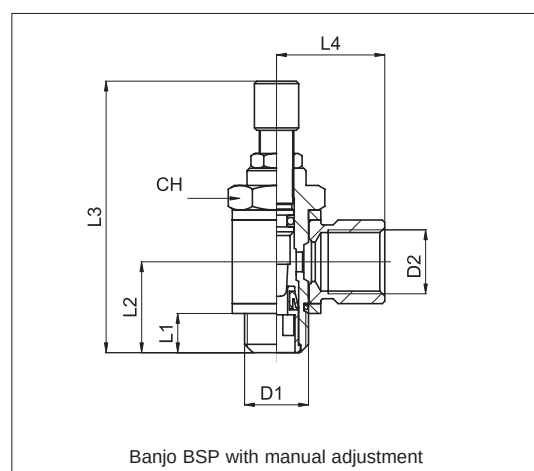
For banjo push-in fittings series R
 For banjo push-in fittings series RT
 For banjo rapid fittings series C
 For banjo compression fittings series O
 For banjo standard fittings series A

see page 4.2.9.
 see page 4.5.7.
 see from page 4.20.7.
 see page 4.25.5.
 see page 4.35.9.



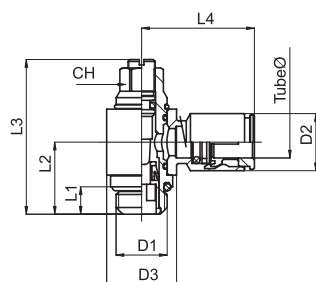
For cylinder

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024061	V17 00 M5C	M5	M5	4	11	23,5	11	8	12
024062	V17 00 18C	1/8"	1/8"	6	16	36	17	14	34
024063	V17 00 14C	1/4"	1/4"	8	19	42	22	17	62
024064	V17 00 38C	3/8"	3/8"	9	22	52	26	20	98
024065	V17 00 12C	1/2"	1/2"	10	25	61	32	26	176

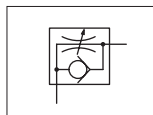


For cylinder

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024045	V40 00 M5C	M5	M5	4	11	38,5	11	8	14
024046	V40 00 18C	1/8"	1/8"	6	16	50	17	14	40
024047	V40 00 14C	1/4"	1/4"	8	19	58	22	17	68
024048	V40 00 38C	3/8"	3/8"	9	22	72	26	20	106
024049	V40 00 12C	1/2"	1/2"	10	25	81	32	26	189

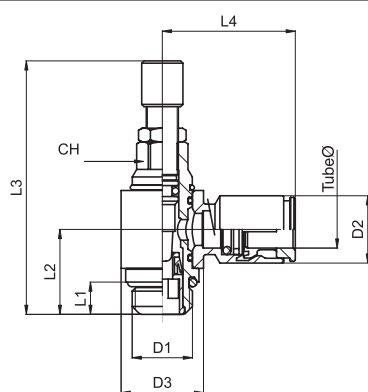


Swivel with screwdriver adjustment and push-in fitting

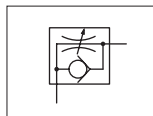


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024081	V18 04 M5C	4	M5	9	10	4	11,5	25,5	18	6	12
024082	V18 04 18C	4	1/8"	9	14	5	15	32	24	9	29
024085	V18 06 18C	6	1/8"	12	14	5	15	32	26	9	27
024086	V18 06 14C	6	1/4"	12	18	6,5	18	40	24	10	49
024087	V18 08 18C	8	1/8"	14	14	5	15	32	24	9	31
024088	V18 08 14C	8	1/4"	14	18	6,5	18	40	24	10	49
020246	V18 08 38C	8	3/8"	14	22	9	22	50	26	14	89
024089	V18 10 14C	10	1/4"	16	18	6,5	18	40	30	10	53
024090	V18 10 38C	10	3/8"	16	22	9	22	50	28	14	86

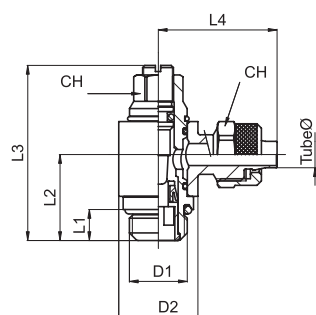


Swivel with manual adjustment and push-in fitting

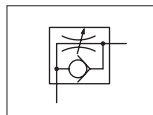


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024185	V41 04 M5C	4	M5	10	10	4	11,5	39	24	6	15
024186	V41 04 18C	4	1/8"	10	14	5	15	50	24	9	37
024189	V41 06 18C	6	1/8"	13	14	5	15	50	26	9	41
024190	V41 06 14C	6	1/4"	13	18	6,5	18	58	28	10	63
024191	V41 08 18C	8	1/8"	15	14	5	15	50	28	9	45
024192	V41 08 14C	8	1/4"	15	18	6,5	18	58	28	10	62
024194	V41 08 38C	8	3/8"	14	22	9	22	50	26	14	89
024193	V41 10 14C	10	1/4"	18	18	6,5	18	58	32	10	93
024195	V41 19 38C	10	3/8"	16	22	9	22	63	28	14	105

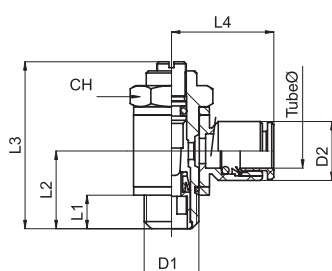


Swivel with screwdriver adjustment and rapid fitting

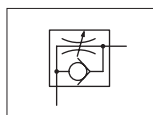


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH ₁	CH ₂	gr.
024141	V20 04 M5C	4-2,5	M5	10	4	11,5	28	15,5	6	7	12
024144	V20 06 M5C	6-4	M5	10	4	11,5	28	19	6	9	12
024145	V20 06 18C	6-4	1/8"	14	5	15	36	25	9	12	40
024146	V20 06 14C	6-4	1/4"	18	6,5	18	42	26,5	10	12	53
024147	V20 08 18C	8-6	1/8"	14	5	15	36	25	9	14	42
024148	V20 08 14C	8-6	1/4"	18	6,5	18	42	27,5	10	14	68
024160	V20 08 38C	8-6	3/8"	22	9	22	50	29,5	14	12	90
024149	V20 10 14C	10-8	1/4"	18	6,5	18	42	28,5	10	16	57
024149	V20 10 38C	10-8	3/8"	22	9	22	50	30,5	14	16	92

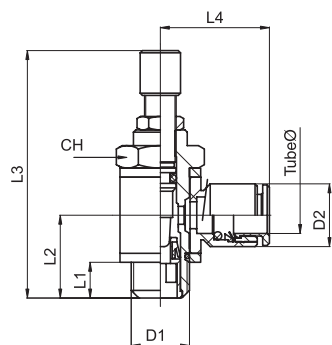


Banjo with screwdriver adjustment and push-in fitting (Delrin)

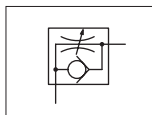


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024100	V39 04 M5C	4	M5	9,7	6	11	23,5	17	8	7
024101	V39 04 18C	4	1/8"	9,7	7	16	36	18,5	14	20
024109	V39 06 M5C	6	M5	12	6	11	23,5	20,5	8	8
024103	V39 06 18C	6	1/8"	12	7	16	36	22	14	22
024104	V39 06 14C	6	1/4"	12	9	19	42	23,5	17	38
024105	V39 08 18C	8	1/8"	14	7	16	36	22,5	14	22
024106	V39 08 14C	8	1/4"	14	9	19	42	24	17	39
024110	V39 08 38C	8	3/8"	14	10	22	52	26	20	67
024107	V39 10 14C	10	1/4"	16,5	9	19	42	26	17	39
024108	V39 10 38C	10	3/8"	16,5	10	22	52	28	20	68

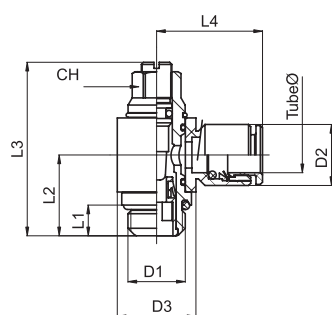


Banjo with manual adjustment
and push-in fitting (Delrin)

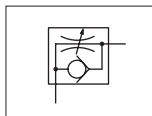


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024311	V37 04 M5C	4	M5	9,7	4	11	38,5	17	8	9
024312	V37 04 18C	4	1/8"	9,7	6	16	50	18,5	14	23
024313	V37 06 M5C	6	M5	12	4	11	38,5	20,5	8	10
024314	V37 06 18C	6	1/8"	12	6	16	50	22	14	25
024315	V37 06 14C	6	1/4"	12	8	19	58	23,5	17	41
024316	V37 08 18C	8	1/8"	14	6	16	50	22,5	14	25
024317	V37 08 14C	8	1/4"	14	8	19	58	24	17	42
024318	V37 08 38C	8	3/8"	14	9	22	72	26	20	70
024319	V37 10 14C	10	1/4"	16,5	8	19	58	26	17	42
024320	V37 10 38C	10	3/8"	16,5	9	22	72	28	20	71

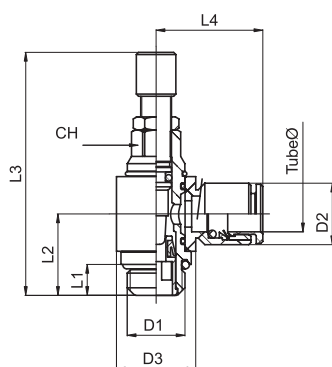


Swivel with screwdriver adjustment
and push-in fitting (Delrin)

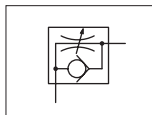


For cylinder

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024201	V38 04 M5C	4	M5	9,7	9,7	4	11,5	28	17	6	8
024202	V38 04 18C	4	1/8"	9,7	15	5	15	36	18,5	9	17
024208	V38 06 M5C	6	M5	12	9,7	4	11,5	28	20,5	6	9
024203	V38 06 18C	6	1/8"	12	15	5	15	36	22	9	18
024204	V38 06 14C	6	1/4"	12	18	6,5	18	42	23,5	10	31
024205	V38 08 18C	8	1/8"	14	15	5	15	36	22,5	9	20
024206	V38 08 14C	8	1/4"	14	18	6,5	18	42	24	10	32
024210	V38 08 38C	8	3/8"	14	22	9	22	50	26	14	59
024207	V38 10 14C	10	1/4"	16	18	6,5	18	42	26,5	10	33
024209	V38 10 38C	10	3/8"	16	22	9	22	50	28	14	60

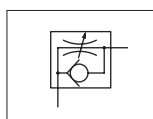
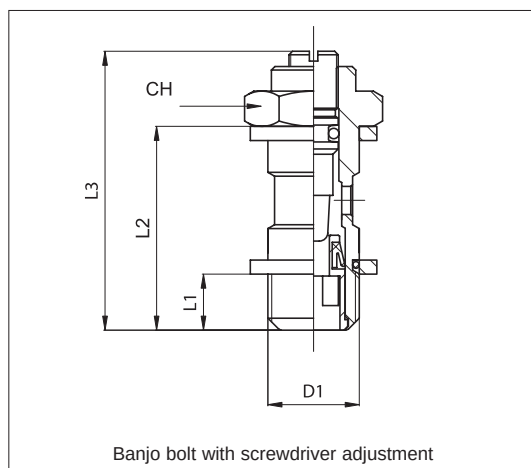


Swivel with manual adjustment
and push-in fitting (Delrin)



For cylinder

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024331	V36 04 M5C	4	M5	9,7	9,7	4	11,5	25,5	17	6	10
024332	V36 04 18C	4	1/8"	9,7	15	5	15	32	18,5	9	20
024333	V36 06 M5C	6	M5	12	9,7	4	11,5	25,5	20,5	6	11
024334	V36 06 18C	6	1/8"	12	15	5	15	32	22	9	21
024335	V36 06 14C	6	1/4"	12	18	6,5	18	40	23,5	10	34
024336	V36 08 18C	8	1/8"	14	15	5	15	32	22,5	9	23
024337	V36 08 14C	8	1/4"	14	18	6,5	18	40	24	10	35
024340	V36 08 38C	8	3/8"	14	22	9	22	50	26	14	59
024338	V36 10 14C	10	1/4"	16	18	6,5	18	40	26	10	36
024339	V36 10 38C	10	3/8"	16	18	9	22	50	28	14	60

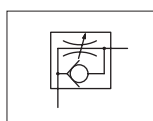
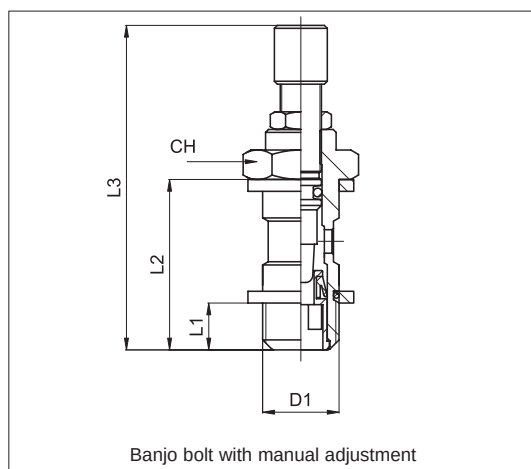


For valve

Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024031	V15 00 M5V	M5	4	16	23,5	8	5
024032	V15 00 18V	1/8"	6	25	36	14	16
024033	V15 00 14V	1/4"	8	29	42	17	32
024034	V15 00 38V	3/8"	9	33	52	20	59

For banjo push-in fittings series R
 For banjo push-in fittings series RT
 For banjo rapid fittings series C
 For banjo compression fittings series O
 For banjo standard fittings series A

see page 4.2.9.
 see page 4.5.7.
 see from page 4.20.7.
 see page 4.25.5.
 see page 4.35.9.

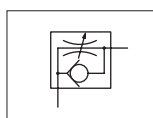
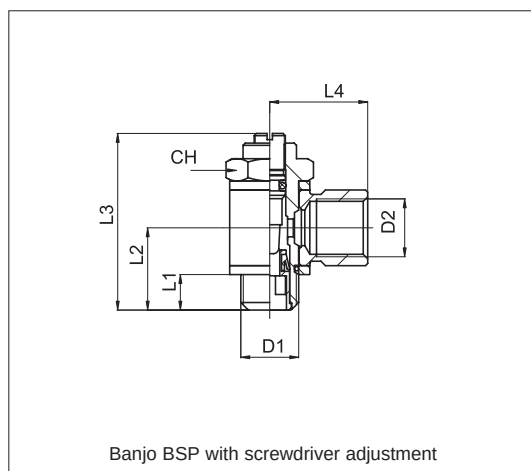


For valve

Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024341	V14 00 M5V	M5	4	16	38,5	8	7
024342	V14 00 18V	1/8"	6	25	50	14	22
024343	V14 00 14V	1/4"	8	29	58	17	38
024344	V14 00 38V	3/8"	9	33	72	20	67

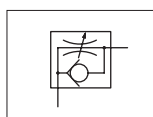
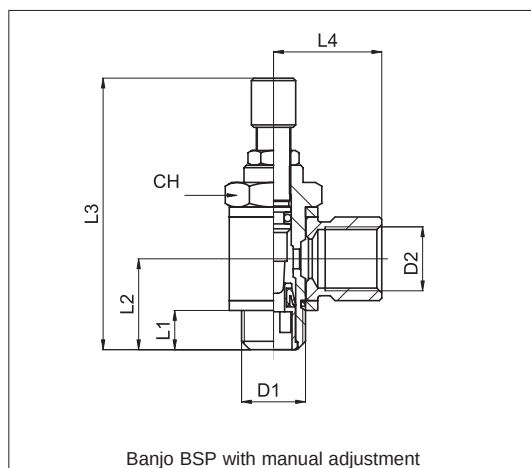
For banjo push-in fittings series R
 For banjo push-in fittings series RT
 For banjo rapid fittings series C
 For banjo compression fittings series O
 For banjo standard fittings series A

see page 4.2.9.
 see page 4.5.7.
 see from page 4.20.7.
 see page 4.25.5.
 see page 4.35.9.



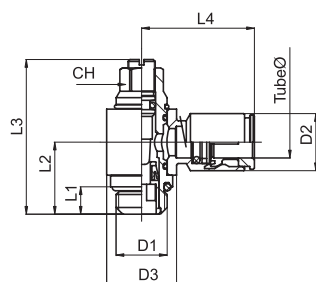
For valve

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024067	V17 00 M5V	M5	M5	4	11	23,5	11	8	12
024068	V17 00 18V	1/8"	1/8"	6	16	36	17	14	34
024069	V17 00 14V	1/4"	1/4"	8	19	42	22	17	62
024070	V17 00 38V	3/8"	3/8"	9	22	52	26	20	98

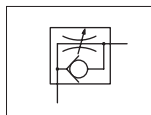


For valve

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024351	V40 00 M5V	M5	M5	4	11	38,5	11	8	14
024352	V40 00 18V	1/8"	1/8"	6	16	50	17	14	40
024353	V40 00 14V	1/4"	1/4"	8	19	58	22	17	68
024354	V40 00 38V	3/8"	3/8"	9	22	72	26	20	106

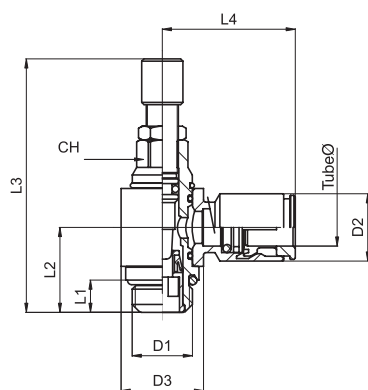


Swivel with screwdriver adjustment and push-in fitting

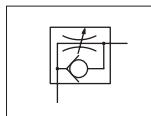


For valve

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024091	V18 04 M5V	4	M5	10	10	4	11,5	28	24	6	13
024092	V18 04 18V	4	1/8"	10	14	5	15	36	24	9	31
024095	V18 06 18V	6	1/8"	13	14	5	15	36	26	9	35
024096	V18 06 14V	6	1/4"	13	18	6,5	18	42	28	10	57
024097	V18 08 18V	8	1/8"	15	14	5	15	36	28	9	39
024098	V18 08 14V	8	1/4"	15	18	6,5	18	42	28	10	56
024120	V18 08 38V	8	3/8"	14	22	9	22	50	26	14	89
024099	V18 10 14V	10	1/4"	18	18	6,5	18	42	32	10	87
024140	V18 10 38V	10	3/8"	16	22	9	22	50	28	14	86

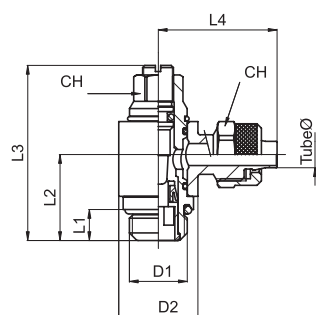


Swivel with manual adjustment and push-in fitting

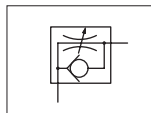


For valve

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024361	V41 04 M5V	4	M5	10	10	4	11,5	39	24	6	15
024362	V41 04 18V	4	1/8"	10	14	5	15	50	24	9	37
024365	V41 06 18V	6	1/8"	13	14	5	15	50	26	9	41
024366	V41 06 14V	6	1/4"	13	18	6,5	18	58	28	10	63
024367	V41 08 18V	8	1/8"	15	14	5	15	50	28	9	45
024368	V41 08 14V	8	1/4"	15	18	6,5	18	58	28	10	62
024370	V41 08 38V	8	3/8"	14	22	9	22	63	26	14	99
024369	V41 10 14V	10	1/4"	18	18	6,5	18	58	32	10	93
024378	V41 10 38V	10	3/8"	16	22	9	22	63	28	14	105

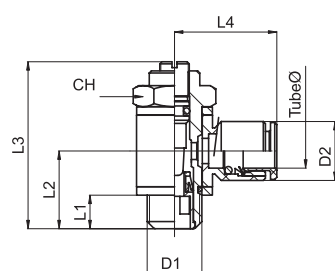


Swivel with screwdriver adjustment and rapid fitting

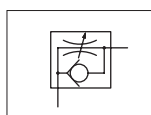


For valve

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH ₁	CH ₂	gr.
024151	V20 04 M5V	4-2,5	M5	10	4	11,5	28	15,5	6	7	12
024155	V20 06 18V	6-4	1/8"	14	5	15	36	25	9	12	40
024156	V20 06 14V	6-4	1/4"	18	6,5	18	42	26,5	10	12	53
024157	V20 08 18V	8-6	1/8"	14	5	15	36	25	9	14	42
024158	V20 08 14V	8-6	1/4"	18	6,5	18	42	27,5	10	14	68
024172	V20 08 38V	8-6	3/8"	22	9	22	50	29,5	14	14	90
024159	V20 10 14V	10-8	1/4"	18	6,5	18	42	28,5	10	16	57
024174	V20 10 38V	10-8	3/8"	22	9	22	50	30,5	14	16	92

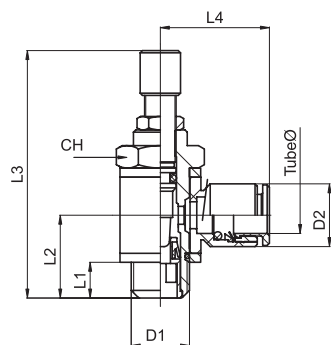


Banjo with screwdriver adjustment and push-in fitting (Delrin)

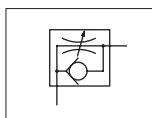


For valve

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024119	V39 04 M5V	4	M5	9,7	6	11	23,5	17	8	7
024111	V39 04 18V	4	1/8"	9,7	7	16	36	18,5	14	20
024230	V39 06 M5V	6	M5	12	6	11	23,5	20,5	8	8
024113	V39 06 18V	6	1/8"	12	7	16	36	22	14	22
024114	V39 06 14V	6	1/4"	12	9	19	42	23,5	17	38
024115	V39 08 18V	8	1/8"	14	7	16	36	22,5	14	22
024116	V39 08 14V	8	1/4"	14	9	19	42	24	17	39
024231	V39 08 38V	8	3/8"	14	10	22	52	26	20	67
024117	V39 10 14V	10	1/4"	16,5	9	19	42	26	17	39
024118	V39 10 38V	10	3/8"	16,5	10	22	52	28	20	68

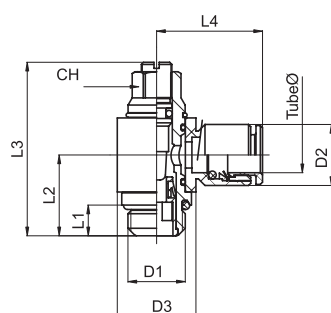


Banjo with manual adjustment and push-in fitting (Delrin)

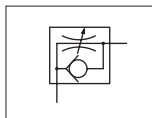


For valve

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024381	V37 04 M5V	4	M5	9,7	4	11	38,5	17	8	9
024382	V37 04 18V	4	1/8"	9,7	6	16	50	18,5	14	23
024383	V37 06 M5V	6	M5	12	4	11	38,5	20,5	8	10
024384	V37 06 18V	6	1/8"	12	6	16	50	22	14	25
024385	V37 06 14V	6	1/4"	12	8	19	58	23,5	17	41
024386	V37 08 18V	8	1/8"	14	6	16	50	22,5	14	25
024387	V37 08 14V	8	1/4"	14	8	19	58	24	17	42
024388	V37 08 38V	8	3/8"	14	9	22	72	26	20	70
024389	V37 10 14V	10	1/4"	16,5	8	19	58	26	17	42
024390	V37 10 38V	10	3/8"	16,5	9	22	72	28	20	71

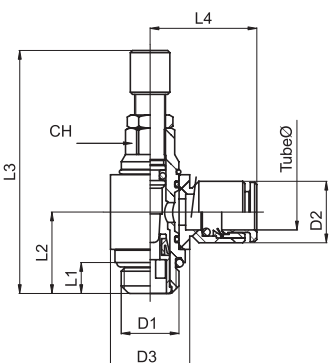


Swivel with screwdriver adjustment and push-in fitting (Delrin)

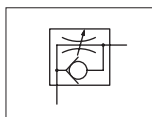


For valve

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024211	V38 04 M5V	4	M5	9,7	9,7	4	11,5	28	17	6	8
024212	V38 04 18V	4	1/8"	9,7	15	5	15	36	18,5	9	17
024218	V38 06 M5V	6	M5	12	9,7	4	11,5	28	20,5	6	9
024213	V38 06 18V	6	1/8"	12	15	5	15	36	22	9	18
024214	V38 06 14V	6	1/4"	12	18	6,5	18	42	23,5	10	31
024215	V38 08 18V	8	1/8"	14	15	5	15	36	22,5	9	20
024216	V38 08 14V	8	1/4"	14	18	6,5	18	42	24	10	32
024219	V38 08 38V	8	3/8"	14	22	9	22	50	26	14	59
024217	V38 10 14V	10	1/4"	16	18	6,5	18	42	26,5	10	33
024220	V38 10 38V	10	3/8"	16	22	9	22	50	28	14	60

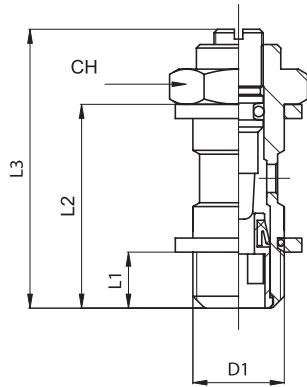


Swivel with manual adjustment and push-in fitting (Delrin)

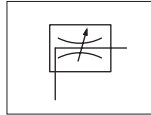


For valve

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024401	V36 04 M5V	4	M5	9,7	9,7	4	11,5	39	17	6	10
024402	V36 04 18V	4	1/8"	9,7	15	5	15	50	18,5	9	20
024403	V36 06 M5V	6	M5	12	9,7	4	11,5	39	20,5	6	11
024404	V36 06 18V	6	1/8"	12	15	5	15	50	22	9	21
024405	V36 06 14V	6	1/4"	12	18	6,5	18	58	23,5	10	34
024406	V36 08 18V	8	1/8"	14	15	5	15	50	22,5	9	23
024407	V36 08 14V	8	1/4"	14	18	6,5	18	58	24	10	35
024409	V36 08 38V	8	3/8"	14	22	9	22	50	26	14	59
024408	V36 10 14V	10	1/4"	16	18	6,5	18	58	26	10	36
024410	V36 10 38V	10	3/8"	16	22	9	22	50	28	14	60



Banjo bolt with screwdriver adjustment

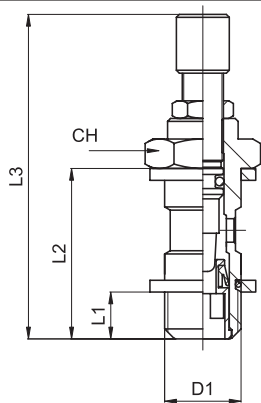


Bi-directional

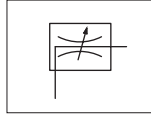
Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024001	V15 00 M5B	M5	4	16	23,5	8	5
024002	V15 00 18B	1/8"	6	25	36	14	16
024003	V15 00 14B	1/4"	8	29	42	17	32
024004	V15 00 38B	3/8"	9	33	52	20	59
024005	V15 00 12B	1/2"	10	39	61	26	108

For banjo push-in fittings series R
For banjo push-in fittings series RT
For banjo rapid fittings series C
For banjo compression fittings series O
For banjo standard fittings series A

see page 4.2.9.
see page 4.5.7.
see from page 4.20.7.
see page 4.25.5.
see page 4.35.9.



Banjo bolt with manual adjustment

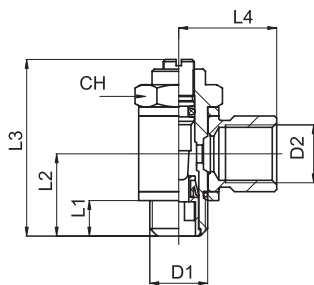


Bi-directional

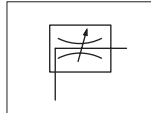
Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH	gr.
024411	V14 00 M5B	M5	4	16	38,5	8	7
024412	V14 00 18B	1/8"	6	25	50	14	22
024413	V14 00 14B	1/4"	8	29	58	17	38
024414	V14 00 38B	3/8"	9	33	72	20	67
024415	V14 00 12B	1/2"	10	39	81	26	121

For banjo push-in fittings series R
For banjo push-in fittings series RT
For banjo rapid fittings series C
For banjo compression fittings series O
For banjo standard fittings series A

see page 4.2.9.
see page 4.5.7.
see from page 4.20.7.
see page 4.25.5.
see page 4.35.9.

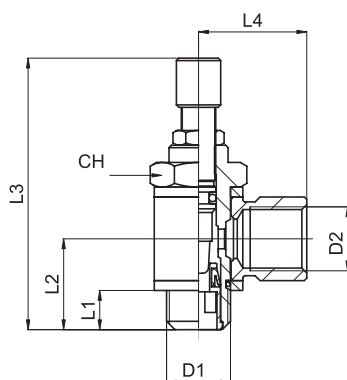


Banjo BSP with screwdriver adjustment

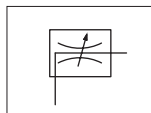


Bi-directional

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024073	V17 00 M5B	M5	M5	4	11	23,5	11	8	12
024074	V17 00 18B	1/8"	1/8"	6	16	36	17	14	34
024075	V17 00 14B	1/4"	1/4"	8	19	42	22	17	62
024076	V17 00 38B	3/8"	3/8"	9	22	52	26	20	98
024077	V17 00 12B	1/2"	1/2"	10	25	61	32	26	176

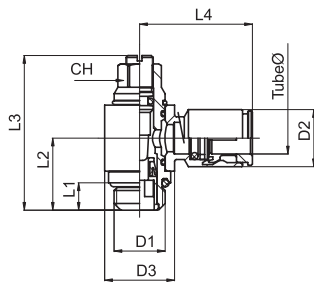


Banjo BSP with manual adjustment

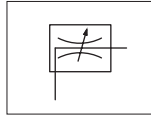


Bi-directional

Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024421	V40 00 M5B	M5	M5	4	11	38,5	11	8	14
024422	V40 00 18B	1/8"	1/8"	6	16	50	17	14	40
024423	V40 00 14B	1/4"	1/4"	8	19	58	22	17	68
024424	V40 00 38B	3/8"	3/8"	9	22	72	26	20	106
024425	V40 00 12B	1/2"	1/2"	10	25	81	32	26	189

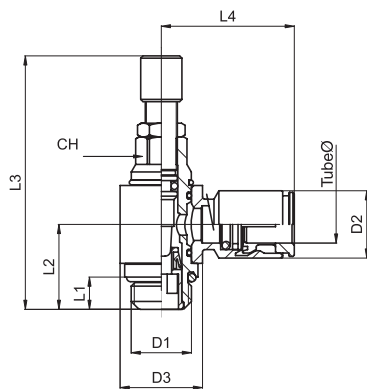


Swivel with screwdriver adjustment and push-in fitting

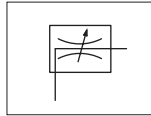


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024131	V18 04 M5B	4	M5	10	10	4	11,5	28	24	6	13
024132	V18 04 18B	4	1/8"	10	14	5	15	36	24	9	31
024135	V18 06 18B	6	1/8"	13	14	5	15	36	26	9	35
024136	V18 06 14B	6	1/4"	13	18	6,5	18	42	28	10	57
024137	V18 08 18B	8	1/8"	15	14	5	15	36	28	9	39
024138	V18 08 14B	8	1/4"	15	18	6,5	18	42	28	10	56
024175	V18 08 38B	8	3/8"	14	22	9	22	50	26	14	89
024139	V18 10 14B	10	1/4"	18	18	6,5	18	42	32	10	87
024176	V18 10 38B	10	3/8"	16	22	9	22	50	28	14	86

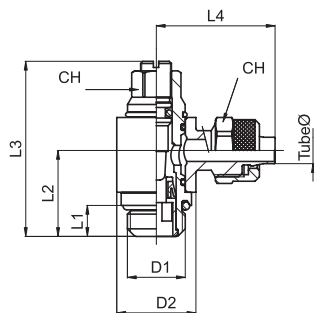


Swivel with manual adjustment and push-in fitting

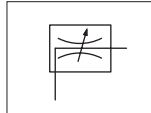


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024431	V41 04 M5B	4	M5	10	10	4	11,5	39	24	6	15
024432	V41 04 18B	4	1/8"	10	14	5	15	50	24	9	37
024435	V41 06 18B	6	1/8"	13	14	5	15	50	26	9	41
024436	V41 06 14B	6	1/4"	13	18	6,5	18	58	28	10	63
024437	V41 08 18B	8	1/8"	15	14	5	15	50	28	9	45
024438	V41 08 14B	8	1/4"	15	18	6,5	18	58	28	10	62
024440	V41 08 38B	8	3/8"	14	22	9	22	63	26	14	99
024439	V41 10 14B	10	1/4"	18	18	6,5	18	58	32	10	93
024450	V41 10 38B	10	3/8"	16	22	9	22	63	28	14	105

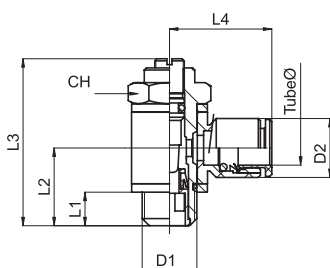


Swivel with screwdriver adjustment and rapid fitting

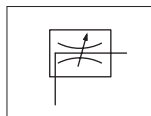


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH ₁	CH ₂	gr.
024161	V20 04 M5B	4-2,5	M5	10	4	11,5	28	15,5	6	7	12
024164	V20 06 M5B	6-4	M5	10	4	11,5	28	19	6	9	12
024165	V20 06 18B	6-4	1/8"	14	5	15	36	25	9	12	40
024166	V20 06 14B	6-4	1/4"	18	6,5	18	42	26,5	10	12	53
024167	V20 08 18B	8-6	1/8"	14	5	15	36	25	9	14	42
024168	V20 08 14B	8-6	1/4"	18	6,5	18	42	27,5	10	14	68
024177	V20 08 38B	8-6	3/8"	22	9	22	50	29,5	14	14	90
024169	V20 10 14B	10-8	1/4"	18	6,5	18	42	28,5	10	16	57
024178	V20 10 38B	10-8	3/8"	22	9	22	50	30,5	14	16	92

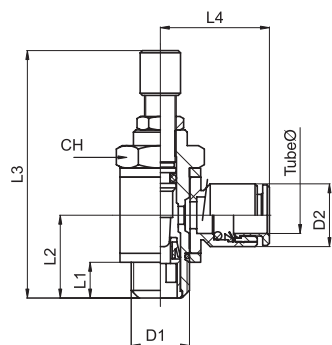


Banjo with screwdriver adjustment and push-in fitting (Delrin)

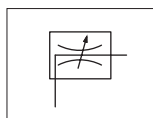


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024120	V39 04 M5B	4	M5	9,7	6	11	23,5	17	8	7
024121	V39 04 18B	4	1/8"	9,7	7	16	36	18,5	14	20
024129	V39 06 M5B	6	M5	12	6	11	23,5	20,5	8	8
024123	V39 06 18B	6	1/8"	12	7	16	36	22	14	22
024124	V39 06 14B	6	1/4"	12	9	19	42	23,5	17	38
024125	V39 08 18B	8	1/8"	14	7	16	36	22,5	14	22
024126	V39 08 14B	8	1/4"	14	9	19	42	24	17	39
024130	V39 08 38B	8	3/8"	14	10	22	52	26	20	67
024127	V39 10 14B	10	1/4"	16,5	9	19	42	26	17	39
024128	V39 10 38B	10	3/8"	16,5	10	22	52	28	20	68

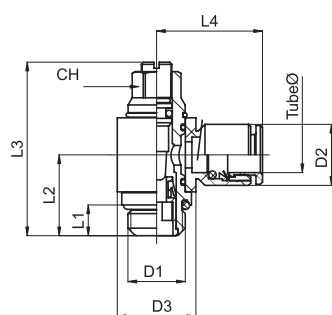


Banjo with manual adjustment
and push-in fitting (Delrin)

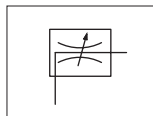


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024451	V37 04 M5B	4	M5	9,7	4	11	38,5	17	8	9
024452	V37 04 18B	4	1/8"	9,7	6	16	50	18,5	14	23
024453	V37 06 M5B	6	M5	12	4	11	38,5	20,5	8	10
024454	V37 06 18B	6	1/8"	12	6	16	50	22	14	25
024455	V37 06 14B	6	1/4"	12	8	19	58	23,5	17	41
024456	V37 08 18B	8	1/8"	14	6	16	50	22,5	14	25
024457	V37 08 14B	8	1/4"	14	8	19	58	24	17	42
024458	V37 08 38B	8	3/8"	14	9	22	72	26	20	70
024459	V37 10 14B	10	1/4"	16,5	8	19	58	26	17	42
024460	V37 10 38B	10	3/8"	16,5	9	22	72	28	20	71

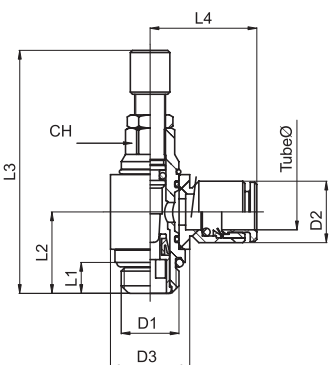


Swivel with screwdriver adjustment
and push-in fitting (Delrin)

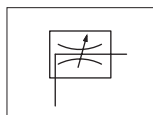


Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024221	V38 04 M5B	4	M5	9,7	9,7	4	11,5	28	17	6	8
024222	V38 04 18B	4	1/8"	9,7	15	5	15	36	18,5	9	17
024227	V38 06 M5B	6	M5	12	9,7	4	11,5	28	20,5	6	9
024223	V38 06 18B	6	1/8"	12	15	5	15	36	22	9	18
024224	V38 06 14B	6	1/4"	12	18	6,5	18	42	23,5	10	31
024225	V38 08 18B	8	1/8"	14	15	5	15	36	22,5	9	20
024226	V38 08 14B	8	1/4"	14	18	6,5	18	42	24	10	32
024229	V38 08 38B	8	3/8"	14	22	9	22	50	26	14	59
024228	V38 10 14B	10	1/4"	16	18	6,5	18	42	26,5	10	33
024254	V38 10 38B	10	3/8"	16	22	9	22	50	28	14	60



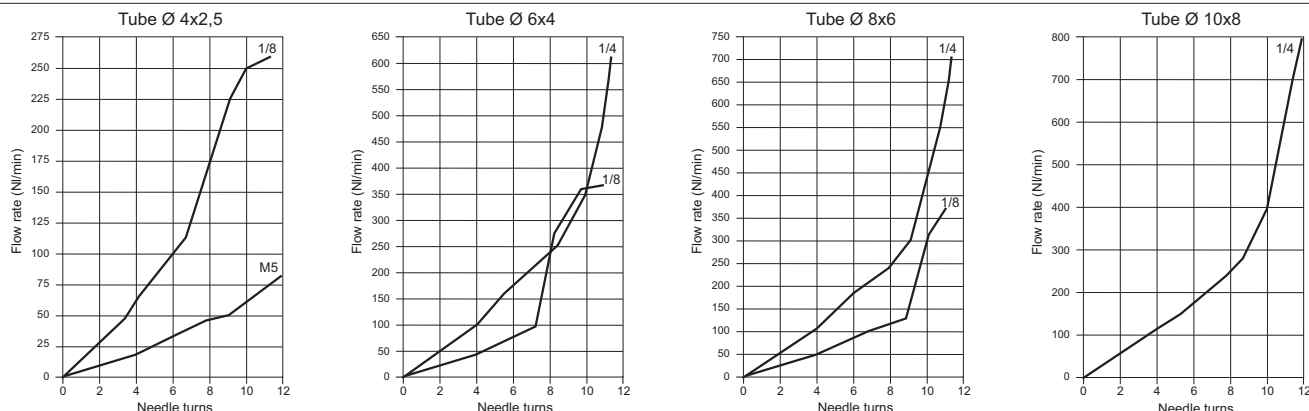
Swivel with manual adjustment
and push-in fitting (Delrin)



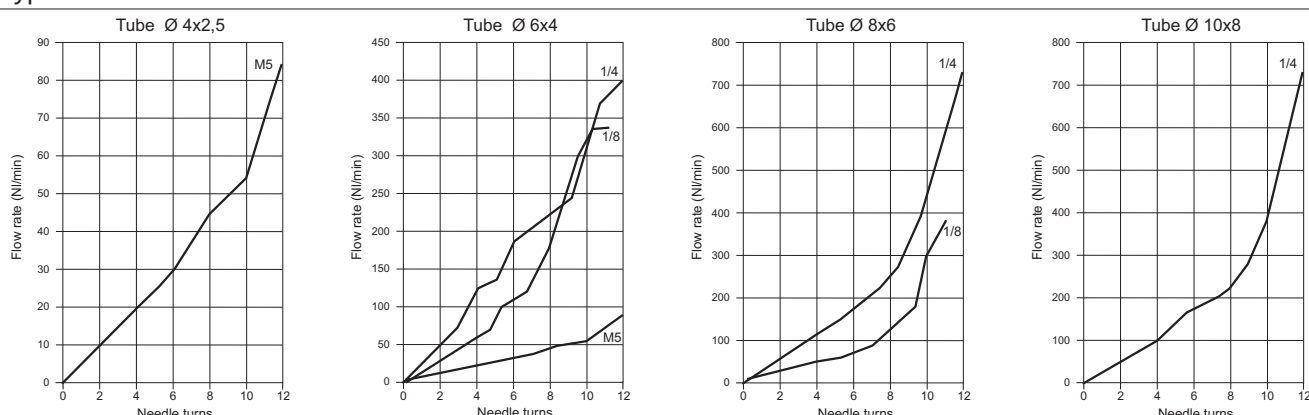
Bi-directional

Code	Item	Tube Ø	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃ max	L ₄	CH	gr.
024481	V36 04 M5B	4	M5	9,7	9,7	4	11,5	39	17	6	10
024482	V36 04 18B	4	1/8"	9,7	15	5	15	50	18,5	9	20
024483	V36 06 M5B	6	M5	12	9,7	4	11,5	39	20,5	6	11
024484	V36 06 18B	6	1/8"	12	15	5	15	50	22	9	21
024485	V36 06 14B	6	1/4"	12	18	6,5	18	58	23,5	10	34
024486	V36 08 18B	8	1/8"	14	15	5	15	50	22,5	9	23
024487	V36 08 14B	8	1/4"	14	18	6,5	18	58	24	10	35
024487	V36 08 38B	8	3/8"	14	22	9	22	50	26	14	59
024488	V36 10 14B	10	1/4"	16	18	6,5	18	58	26	10	36
024488	V36 10 38B	10	3/8"	16	22	9	22	50	28	14	60

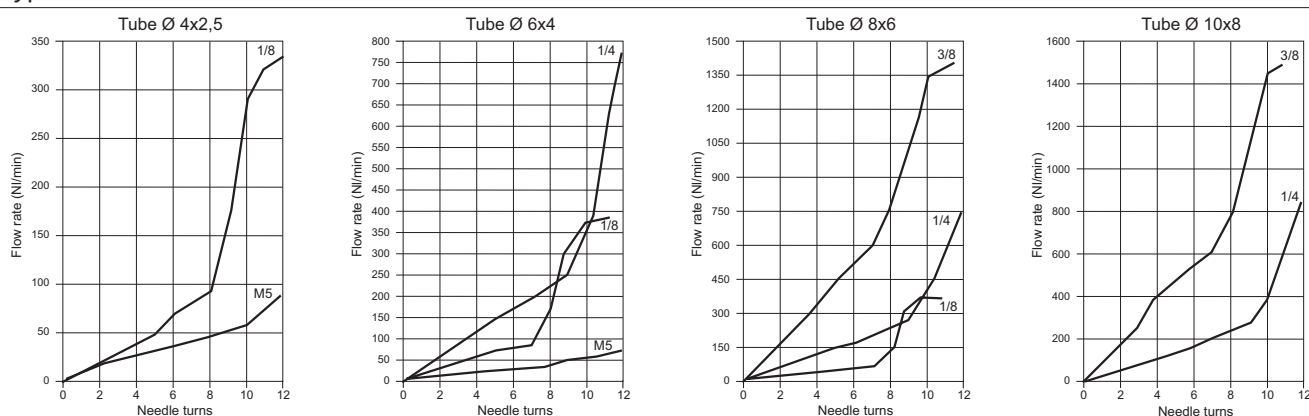
Type: V18 - V41



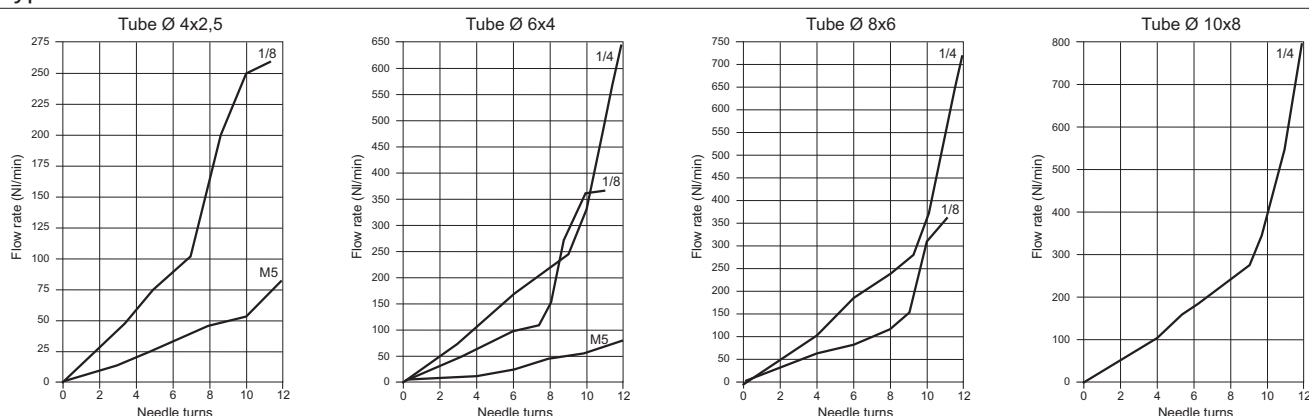
Type: V20



Type: V37 - V39



Type: V36 - V38



Version	Symbol	Type
Manual, with external spring and right adjustment		AVE
Manual, with internal spring and left adjustment		AVS
Manual, with internal spring		AVT
With screwdriver adjustment and high flow		AVL
With screwdriver adjustment		AVC
In polyethylene		AR07



Series of silenced exhaust restrictors normally used to reduce the exhaust velocity and so the translation velocity of cylinders. They are normally applied to valve exhausts or quick exhaust valves.

They are characterised by including 2 functions in one item only: flow control and silencer.

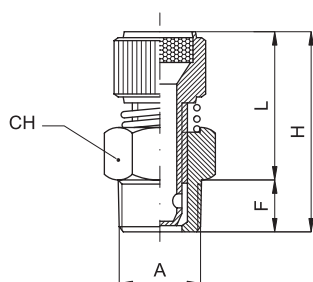
* How to order: AVE18N

Options								Suffix
Completely nickel plated								N
Threads	M5	1/8"	1/4"	3/8"	1/2"	3/4"	1"	
Code	M5	18	14	38	12	34	01	

AVE	18	N
Type	Thread code	Option

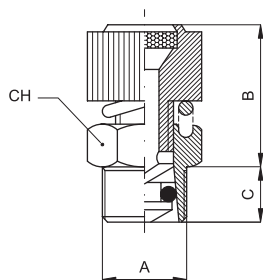
* For standard items, codes and dimensions see tables at page 4.80.51.

Technical data		
Fluid	Compressed air	
Pressure range	0,5 ÷ 10 bar	
Temperature range	-20 °C ÷ + 70°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Metric threads	ISO R / 262	
Materials	Body: AVE - AVS - AVL in brass; AVT - AVC in nickel plated brass Filter element: Sintered bronze 36 micron Spring: Stainless steel Seals: Nitrile rubber (NBR)	



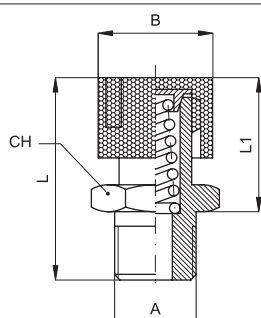
Manual with external spring and right adjustment

Code	Item	A	CH	F	L		H	
					min	max	min	max
023501	AVE18	1/8"	13	6	20	22	26	28
023502	AVE14	1/4"	15	8	22	24	30	32
023503	AVE38	3/8"	18	10	25	28	35	38
023504	AVE12	1/2"	22	11	26	29	36	39
023505	AVE34	3/4"	30	12	32	37	45	50
023506	AVE01	1"	36	12	32	37	45	50



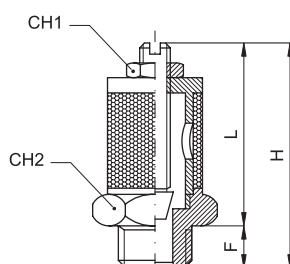
Manual with internal spring and left adjustment

Code	Item	A	B		C	CH
			min	max		
023521	AVS18	1/8"	14	19	6	13
023522	AVS14	1/4"	17	22	8	16
023523	AVS38	3/8"	18	24	9	20
023524	AVS12	1/2"	18	24	10,5	26



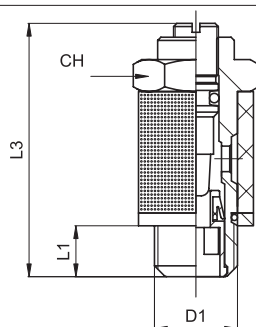
Manual with internal spring

Code	Item	A	B	L max	L1		CH
					min	max	
023561	AVT18	1/8"	14	29	16	21	14
023562	AVT14	1/4"	17	33	17	24	17
023564	AVT12	1/2"	26	43	25	31	26



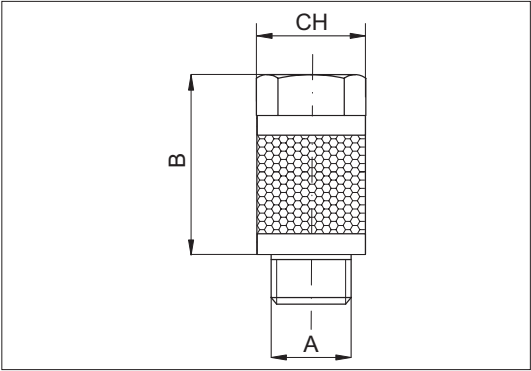
With screwdriver adjustment and high flow

Code	Item	A	F	CH1	CH2	L		H	
						min	max	min	max
023541	AVL18	1/8"	8	10	16	20	22	26	28
023542	AVL14	1/4"	9	10	16	22	24	30	32
023543	AVL38	3/8"	10	10	22	25	28	35	38
023544	AVL12	1/2"	11	10	22	26	29	36	39
023545	AVL34	3/4"	11	13	30	32	37	45	50
023546	AVL01	1"	11	13	36	32	37	45	50
023547	AVL05	5MA	3,5	6	8	13	18	16	21



With screwdriver adjustment

Code	Item	D1	L1	L2 max	CH	gr.
023571	AVCM5	M5	4	23,5	8	6
023572	AVC18	1/8"	6	36	14	28
023573	AVC14	1/4"	8	42	17	52
023574	AVC38	3/8"	9	52	20	96



Code	Item	A	B	CH
023531	AR07 18	1/8"	15	13
023532	AR07 14	1/4"	22	15
023533	AR07 38	3/8"	30.4	20
023534	AR07 12	1/2"	40.2	25

Version	Symbol	Type
With female thread for mounting the silencer		ASN
With manual adjustment and high flow		ASE
Manual shut off		AR



Threads	1/8"	1/4"	3/8"	1/2"
Code	18	14	38	12

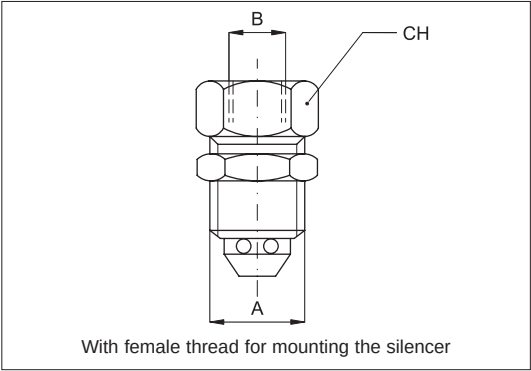
Series of exhaust restrictors normally used to reduce the translation velocity of cylinders. They are normally applied to valve exhausts or quick exhaust valves.

* How to order: ASE14

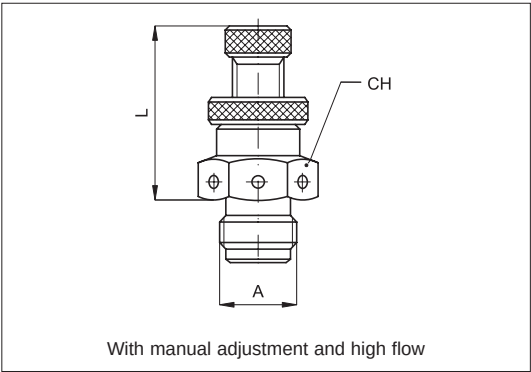
ASE	14
Type	Thread code

* For standard items, codes and dimensions see tables at page 4.80.82.

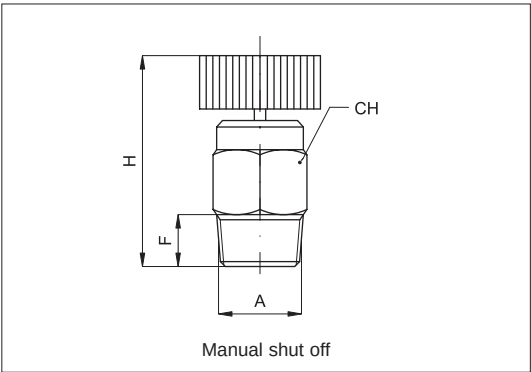
Technical data	
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Materials	Body: Nickel plated brass Needle: Nickel plated brass



Code	Item	A	B	C
023581	ASN1818	1/8"	1/8"	15
023582	ASN1418	1/4"	1/8"	19
023583	ASN3814	3/8"	1/4"	20
023584	ASN1214	1/2"	1/4"	20
023585	ASN1238	1/2"	3/8"	26



Code	Item	A	L	CH
023621	ASE18	1/8"	18	14
023622	ASE14	1/4"	22	17



Code	Item	A	F	H	CH
023633	AR18B	1/8"	8	28	14
023634	AR14B	1/4"	9	27	14
023635	AR38B	3/8"	9	24	17

Accessories with integrated function

Fittings with non return valve



Version	Symbol	Type
Stud push-in fitting		V56



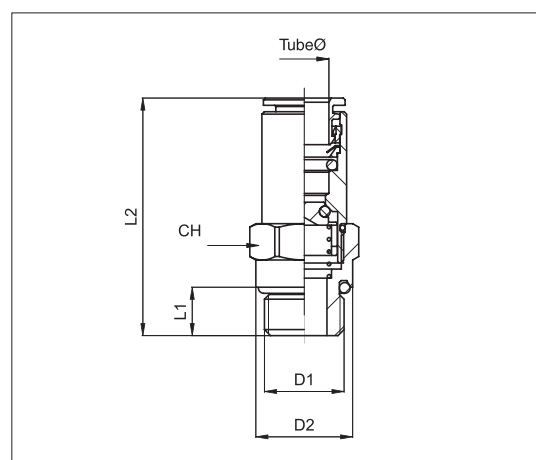
External tube Ø (mm)	4	6	8	10	12	14
Code	04	06	08	10	12	14

Threads	M5	1/8"	1/4"	3/8"	1/2"
Code	M5	18	14	38	12

Series of push-in fittings with non return valve to control flow. This valve permits unrestricted flow in one direction only (from tube to thread) while intercepts flow from thread to tube.

How to order: V560618

V56	06	18
Type	Tube code	Thread code



Code	Item	Tube Ø	D1	D2	L1	L2	CH	gr.
024490	V5604M5	4	M5	8	4	37,5	9	10
024491	V560418	4	1/8"	13	6	31	11	13
024492	V560618	6	1/8"	13	6	38	13	18
024493	V560614	6	1/4"	16	8	39	14	26
024494	V560818	8	1/8"	13	6	39	15	23
024495	V560814	8	1/4"	16	8	40	16	27
024496	V561014	10	1/4"	16	8	43	18	36
024497	V561038	10	3/8"	20	9	43	18	42
024498	V561212	12	1/2"	25	10	47	22	68
024499	V561412	14	1/2"	25	10	54	25	90

Technical data	
Fluid	Compressed air
Pressure range	0,5 ÷ 12 bar
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	ISO R / 262
Connection tubes	Calibrated nylon, polyurethane and rilsan.
Tubes tolerances	± 0,05 mm
Materials	Body and release collar: Nickel plated brass Valve: Brass Collet: Stainless steel Seals: Nitrile rubber (NBR)

Accessories with integrated function

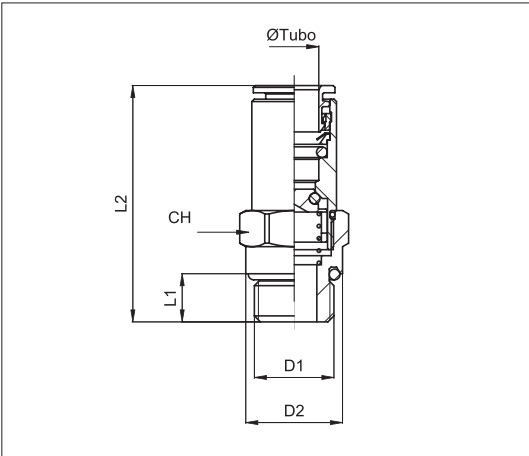
Stop fittings



Version	Symbol	Type
Push-in stud		V59



Series of push-in fittings with check valve, these will not allow air-flow through when tube isn't in.



Code	Item	Tube Ø	D1	D2	L1	L2	CH
024470	V590618	6	1/8"	13,5	5	27	12
024471	V590614	6	1/4"	16	6,5	27	12
024472	V590818	8	1/8"	13,5	5	27,5	13
024473	V590814	8	1/4"	16	6,5	27,5	13

Technical data	
Fluid	Compressed air
Pressure range	Max. 10 bar
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Connection tubes	Calibrated nylon, polyurethane and rilsan.
Tubes tolerances	± 0,05 mm
Materials	Body and release collar: Nickel plated brass Valve: Brass Collet: Stainless steel Seals: Nitrile rubber (NBR)

Accessories with integrated function

Circuit selectors



Version	Symbol	Type
Circuit selector (OR)		V60

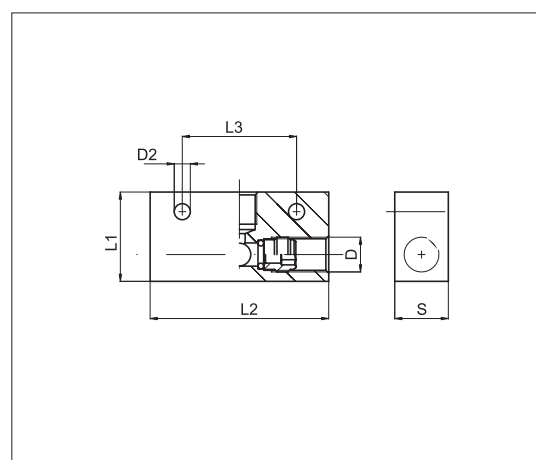


Threads	1/8"	1/4"
Code	18	14

Series of circuit selectors with ports 1/8" and 1/4". They are used to convey into a tube 2 pneumatic flows from 2 different tubes as not to interfere each other. Pushing air into one of 2 inlet orifices it passes to the outlet orifice excluding the second one.

How to order: V601818

V60	18	18
Type	Thread code	Thread code



Code	Item	D	D ₂	L ₁	L ₂	L ₃	S	gr.
024348	V601818	1/8"	4,5	25	50	32	15	50
024349	V601414	1/4"	5,5	30	52	35	25	74

Technical data	
Fluid	Compressed air
Pressure range	0,5 ÷ 12 bar
Temperature range	-20 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Materials	Body: Anodised aluminium Seals: Nitrile rubber (NBR)

Accessories with integrated function

Pressure regulators



Version	Symbol	Type
In-line, with push-in fitting		V57
90°, with male thread on inlet and push-in fitting on outlet		V58

External tube (mm)	4	6	8
Code	04	06	08

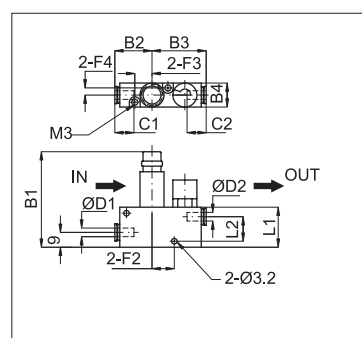
Threads	M5	1/8"	1/4"
Code	M5	18	14



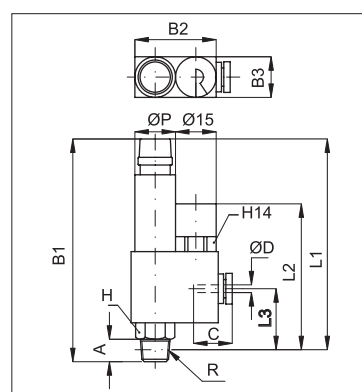
Series of unidirectional pressure regulators with reduced dimensions, provided with micropressure-gauge (with scale Mpa). They must be used to reduce working pressure directed to a specific element.

How to order: V580618

V58	06	18
Type	Tube code	Thread code



Code	Item	Tube Ø D1	Tube Ø D2	B1 Max	B1 Min	B2	B3	B4	L1	L2	C1	C2	F1	F2	F3	F4	gr.
024357	V570404	4	4	63	69	22	33	15	25	15	11,5	11,5	17	15	10	4,5	47,5
024358	V570606	6	6			22,5	33,5				12	12					
024359	V570808	8	8	67,5	63,5	28,5	40,5	19	29	17	18,5	18,5	21	19,5	11,5	6,5	73



Code	Item	Tube Ø D	R	A	B1 Max	B1 Min	B2	B3	L1 Max	L1 Min	L2	L3	Ø P	C	H	gr.
024462	V5804M5	4	M5	3,5	57,5	53,5	27,5	15	54	50	42	12	11	11	8	27,5
024463	V580418		1/8"	8	81,5	77,5	36		77,5	73,5	51,5	18,5	15	15	12	54,5
024464	V5806M5	6	M5	3,5	57,5	53,5	28	15	54	50	42	12	11	11,5	8	27,5
024465	V580618		1/8"	8	81,5	77,5	36,5		77,5	73,5	51,5	18,5	15	17	12	54,5
024466	V580614		1/4"	11	89,5	85,5	39,5	19	83,5	79,5	57	22,5	19		16	83,5
024467	V580818	8	1/8"	8	81,5	77,5	36,5	15	77,5	73,5	51,5	18,5	15	18	12	55
024468	V580814		1/4"	11	89,5	85,5	39,5	19	83,5	79,5	57	22,5	19		16	83,5

Technical data	
Fluid	Compressed air
Pressure range	1 ÷ 8 bar
Temperature range	0 °C ÷ + 60°C
Taper threads	UNI - ISO 7 / 1 (BSPT)
Metric threads	ISO R / 262
Connection tubes	Calibrated nylon, polyurethane and rilsan.
Tubes tolerances	± 0,05 mm
Materials	Body: Acetal resin Metal thread: Nickel plated brass Collet: Stainless steel Seals: Nitrile rubber (NBR)

Accessories with integrated function

In-line pressure gauges



Version	Symbol	Type
In-line, with push-in fitting or with male thread on inlet and push-in fitting on outlet		V51



New

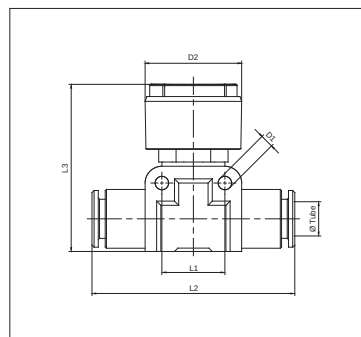
External tube (mm)	6	8
Code	06	08

Threads	1/8"	1/4"
Code	18	14

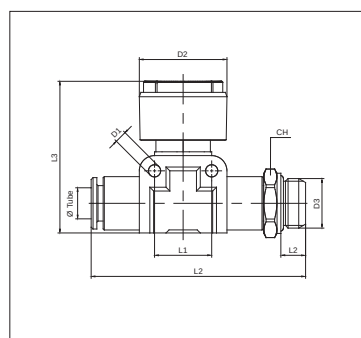
Series of in-line pressure gauges with reduced dimensions

How to order: V510618

V51	06	18
Type	Tube code	Thread code



Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	L4	CH	gr.
030174	V510606	6	3,2	23	-	15	45	38	-	-	15
030177	V510808	8	3,2	23	-	15	46	39,5	-	-	16



Code	Item	Tube Ø	D1	D2	D3	L1	L2	L3	L4	CH	gr.
030175	V510618	6	3,2	23	G 1/8"	15	52	38	5	13	21
030176	V510614	6	3,2	23	G 1/4"	15	54	38	6,5	16	23
030178	V510818	8	3,2	23	G 1/8"	15	53	39,5	5	14	23
030179	V510814	8	3,2	23	G 1/4"	15	55	39,5	6,5	16	25

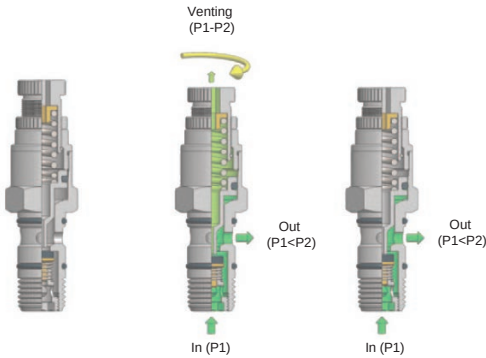
Technical data	
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	0 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Connection tubes	Calibrated nylon, polyurethane and rilsan.
Tubes tolerances	± 0,05 mm
Materials	Body: POM Thread: Nickel plated brass Collet: Stainless steel Gauge: ABS Seals: Nitrile rubber (NBR)

Accessories with integrated function

Pressure regulators



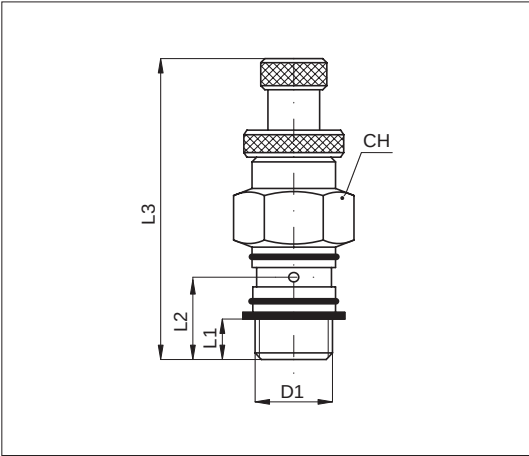
Version	Symbol	Type
Pressure regulator		V47



When installed in a pneumatic circuit, the pressure control sets the working pressure of all the connected components. The pressure adjustment will be thereby kept steady for a long time. It can also be used as an economizer when connected between the valve and the cylinder to operate. Pressure is being saved and rod speed decreased in the desired direction. A big energy saving is this way obtained.

Note: The banjo to couple with the valve have to be ordered separately (R35 - RT28 - C23 - 025)

Code	Item	D ₁	L ₁	L ₂	L ₃ max	CH
030127	V470018	1/8"	6	15,5	56	15
030140	V470014	1/4"	8	18,5	63	17



Technical data	
Fluid	Compressed air
Pressure range	Max. inlet 10 bar; Setting performance 0 ÷ 8 bar
Temperature range	0 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	ISO R / 262
Flow rate at 6 bar (Nl/min)	1/8" = 340 - 1/4" = 580
Materials	Body: Nickel plated brass Spring: Stainless steel AISI 302 Seals: Nitrile rubber (NBR)

Accessories with integrated function

Adjustable pressure switches



Version	Symbol	Code	Item
Normally open		024391	PR18A
Normally closed		024392	PR18C

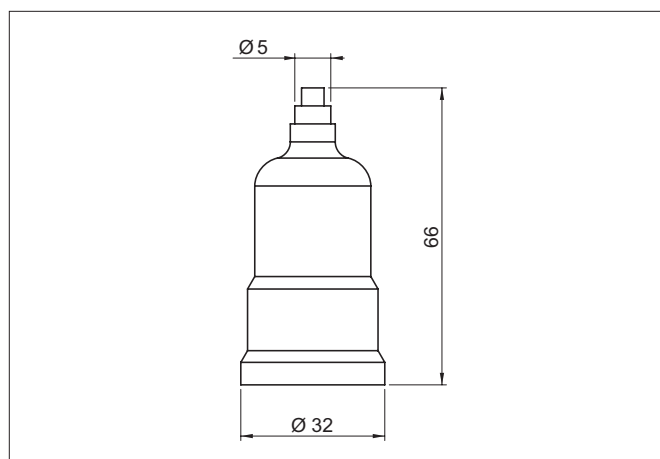
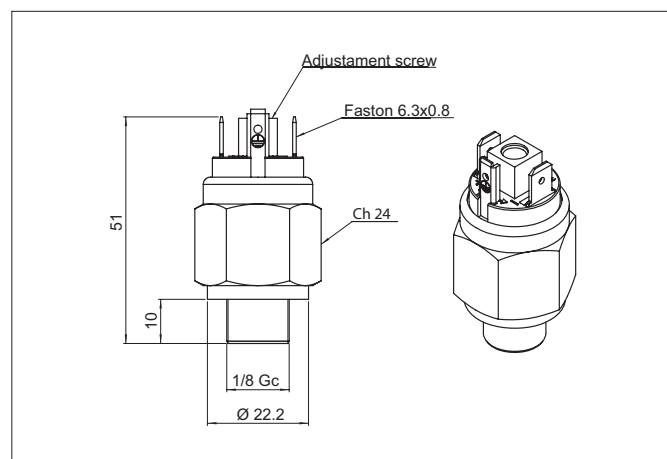


Series of adjustable pressure switches used in pneumatics to check the min. or max. pressure of compressed air into a control or a feeding circuit of a machine.

These pressure switches have been equipped with N.O./N.C. contact able to bear 0,5A electric load at 250V.

It is advisable to fix the pressure switch vertically on the line to be checked to avoid that any impurity or condense inside the inlet could affect the correct working.

By means of the adjusting screw it is possible to reset the response value but by taking away the cap.

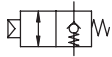
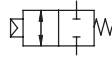


Technical data	
Fluid	Compressed filtered air with or without lubrication
Setting range	1 ÷ 10 bar (± 0,5 - 20° C)
Max overpressure limit	80 bar
Max fluid current	40 bar
Ports	1/8" (BSPT)
Max switches voltage	250 V
Max switches current	0,5 A
Action type	1B
Pollution situation	Normal
Protection degree (without cover)	IP 00
Protection degree (with cover)	IP 54
Temperature range	-15 °C ÷ +100 °C
Mechanical working life	10 ⁶ operations
Electrical working life	10 ⁵ operations
Normative	EN60730-i
Weight	65 gr
Material	Body: Brass Silver plated electric contacts: Silver AgNi Diaphragm: NBR Contact holder: Rubber

Accessories with integrated function

Stop valves



Version	Symbol	Code	Item
1/8" Unidirectional		030133	V450018U
1/4" Unidirectional		030123	V450014U
3/8" Unidirectional		030124	V450038U
1/2" Unidirectional		030134	V450012U
1/8" Bidirectional		030135	V450018B
1/4" Bidirectional		030136	V450014B
3/8" Bidirectional		030137	V450038B
1/2" Bidirezionale		030138	V450012B

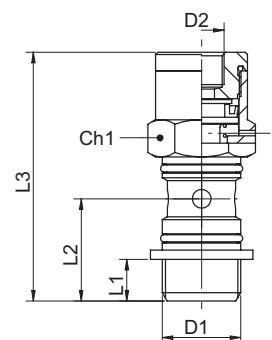


Series of stop valves available unidirectional and bidirectional versions.

If assembled on both cylinder connections, in case should a sudden pressure failure happen, these will immediately stop any movement of the piston.

Options	Suffix
With recessed push-button for manual override reset	K

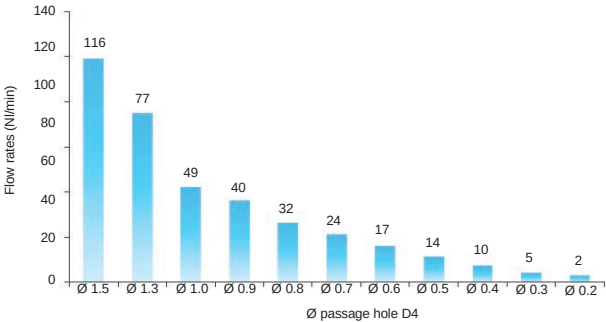
Note: The banjo to couple to the valve have to be ordered separately (R35 - RT28 - C23 - O25)



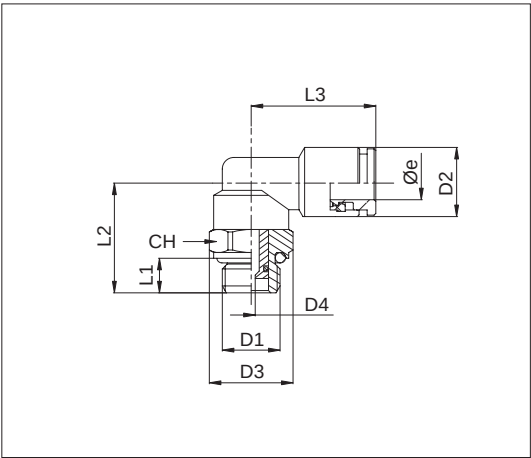
Version	L1	L2	L3	D1	D2	CH1	CH2
1/8"	6	15,5	42	1/8	M5	13	8
1/4"	8	18,5	47	1/4	M5	17	8
3/8"	9	21	53,5	3/8	1/8	20	14
1/2"	10	24,5	60	1/2	1/8	25	14

Technical data						
Fluid	Compressed filtered air with or without lubrication					
Pressure range	max 10 bar					
Temperature range	-5 °C ÷ 70 °C					
Flow rate NI/min	Unidirectional	1/8" = 400	1/4" = 680	3/8" = 1300	1/2" = 2030	
	Bi-directional	1/8" = 630	1/4" = 930	3/8" = 2000	1/2" = 2500	
Materials	Body: Nickel plated brass Piston: Stainless steel AISI 304 Spring: Stainless steel AISI 302 Seals: Nitrile rubber (NBR)					

Version	Symbol	Type
Elbow fitting quick coupling		V44



This fitting houses a cartridge with a calibrated orifice. The orifice diameter causes a flow throttling thereby allowing the desired flow (see our Chart 1). The throttle fittings are mostly used when the user knows the exact cylinder speed hand when no further settings of the cylinder are requested. The major advantage is that no undesired tamperings can occur and in case of vibrations the flow setting will remain stable.



Item	Tube Ø	D1	D2	D3	D4	L1	L2	L3	CH
V44 04 M5	4	M5	9	10	...	4	11	18	13
V44 04 18	4	1/8"	9	14,5	...	5	18	19	13
V44 06 M5	6	M5	12	10	...	4	11	20,5	13
V44 06 18	6	1/8"	12	14,5	...	5	18	21,5	13
V44 06 14	6	1/4"	12	16	...	6,5	21,5	21,5	13
V44 08 18	8	1/8"	14	14,5	...	5	18	22	13
V44 08 14	8	1/4"	14	16	...	6,5	21,5	22	13

When ordering please specify right after the article code the diameter of the calibrated hole (D4) required.
Example: V44 06 18 0,3

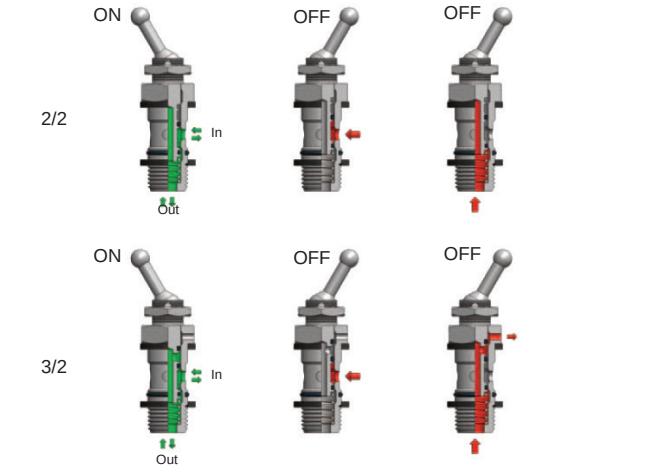
Technical data	
Fluid	Compressed filtered and lubricated air
Pressure range	Max. 15 bar
Temperature range	-20°C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	ISO R / 262
Materials	Body: Nickel plated brass Seals: Nitrile rubber (NBR)

Accessories with integrated function

Pneumatic switch



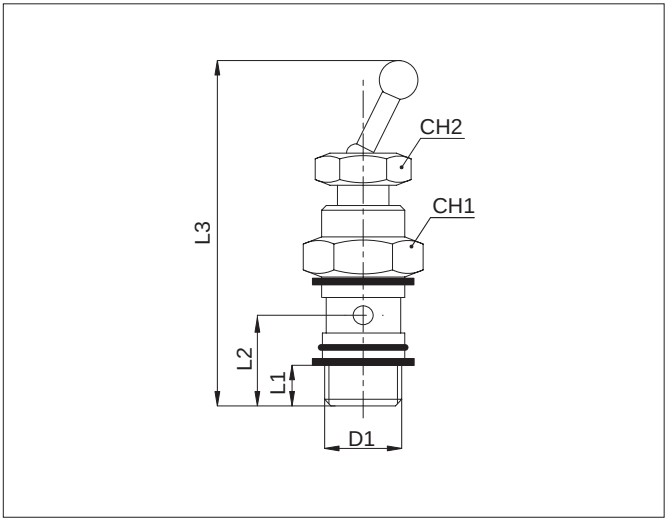
Version	Symbol	Code	Item
Switch 1/8", 2 way		030125	V4600182V
Switch 1/4", 2 way		030165	V4600142V
Switch 1/8", 3 way		030166	V4600183V
Switch 1/4", 3 way		030167	V4600143V



Note: The banjo to couple to the valve have to be ordered separately (R35 - RT28 - C23 - O25)



The V46 is a pneumatic switch. It is available in a 2/2 and 3/2-way version.
The goal of the 2/2 way switch is to cut off the flow in the circuit whenever needed by simply operating the lever. The 3/2 way valve cuts off the flow and vents to atmosphere the terminal part of the circuit.



Version	L ₁	L ₂	L ₃	CH ₁	CH ₂
1/8"	6	16	55	14	15
1/4"	8	19	60	17	15

Technical data	
Fluid	Compressed air
Pressure range	Max. 15 bar
Temperature range	-10 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSPT)
Flow rate at 6 bar (NI/min)	1/8" = 610 - 1/4" = 850
Tubes tolerances	± 0,05 mm
Materials	Body: Nickel plated brass Spring: Stainless steel AISI 302 Washers: Nylon (PA6) Seals: Nitrile rubber (NBR)

Accessories with integrated function
In line pneumatic switch

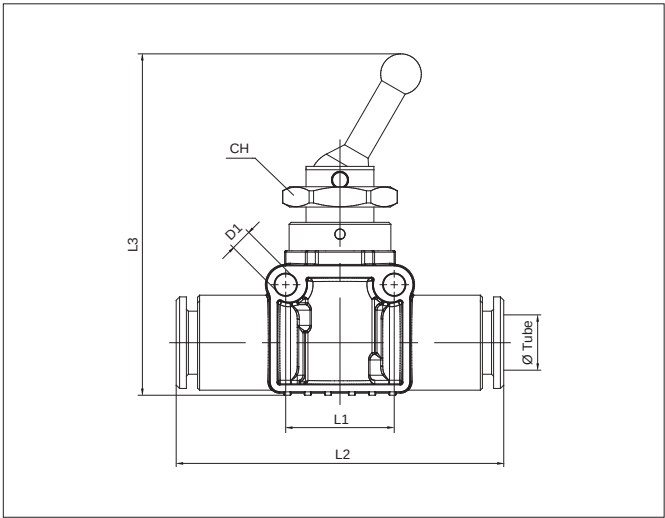


Version	Symbol	Code	Item
Switch for Ø 6 mm tube, 2 way		030172	V4800062V
Switch for Ø 8 mm tube, 2 way		030173	V4800082V
Switch for Ø 6 mm tube, 3 way		030164	V4800063V
Switch for Ø 8 mm tube, 3 way		030163	V4800083V



The V48 is a pneumatic switch. It is available in a 2/2 and 3/2-way version.

The goal of the 2/2 way switch is to cut off the flow in the circuit whenever needed by simply operating the lever. The 3/2 way valve cuts off the flow and vents to atmosphere the terminal part of the circuit.



Version	D1	L1	L2	L3	CH
Ø 6	3,2	16	45	49	15
Ø 8	3,2	16	46	50	15

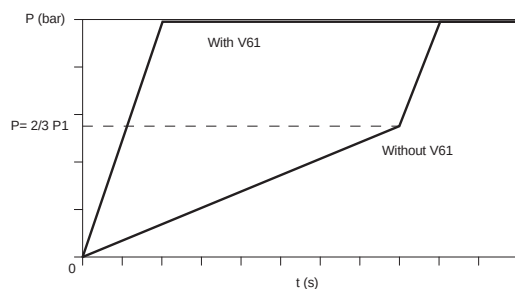
Technical data	
Fluid	Compressed air
Pressure range	Max. 15 bar
Temperature range	-10 °C ÷ + 70°C
Flow rate at 6 bar (NI/min)	1/8" = 610 - 1/4" = 850
Tubes tolerances	± 0,05 mm
Washers	Body: POM Spring: Stainless steel AISI 302 Switch: Nickel plated brass Seals: Nitrile rubber (NBR)

Accessories with integrated function

Slow starter



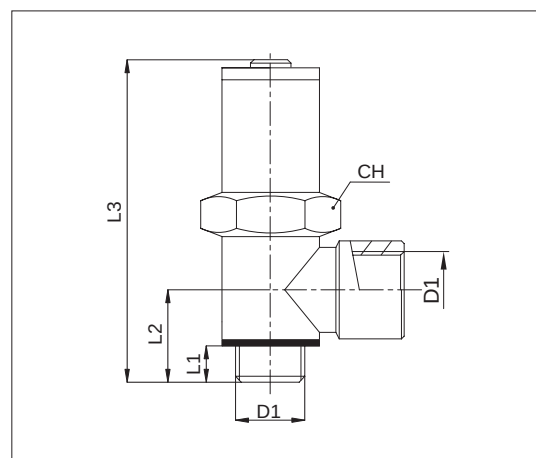
Version	Symbol	Type
Slow starter		V61



This fitting allows for a progressive pressurization of the installation and prevents the actuators from being hit hard in case of sudden pressure feeding of the previously vented circuit.

Depending on the desired spindle setting, the Slow Start Fitting will open gradually, pressure will progressively flow into the circuit and the actuators will go back to their working position without being hit. Pressure feeding speed is indeed determined by the rotation of the spindle.

If turned clockwise, a very smooth pressurization will be achieved.



Code	Item	D ₁	D ₂	L ₁	L ₂	L ₃	CH
024475	V61 00 14	1/4"	1/4"	6,5	17	66	20
024476	V61 00 38	3/8"	3/8"	9	21	71,5	20
024477	V61 00 12	1/2"	1/2"	10	24,5	74,5	25

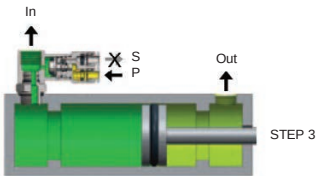
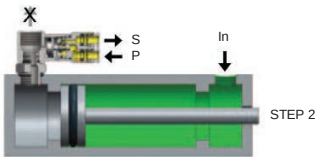
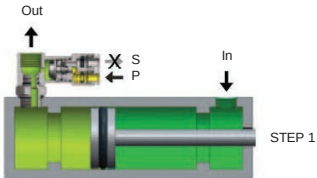
Technical data	
Fluid	Compressed air
Pressure range	3 ÷ 10 bar (P ₁) - Total opening 2/3 P ₁
Temperature range	0 °C ÷ + 70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Flow rate at 6 bar (Nl/min)	1/4" = 1800 - 3/8" = 2400 - 1/2" = 2900
Materials	Body: Nickel plated brass Spring: Stainless steel AISI 302 Seals: Nitrile rubber (NBR) - Polyurethane (PU) Rondello: Nylon (PA6)

Accessories with integrated function

Threshold sensor



Version	Symbol	Type
Threshold sensor		V62



Threshold sensor can detect a pressure drop and signal it with a command signal (s).

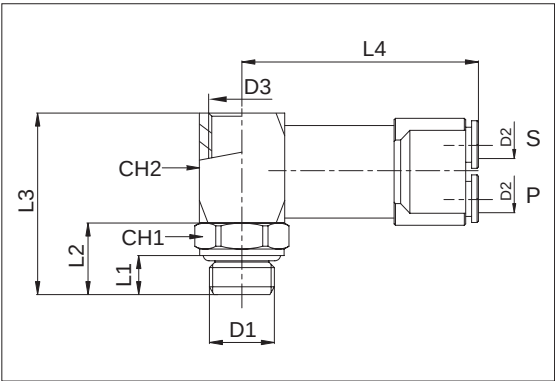
This component turns out to be especially useful when assembled directly on the cylinder.

When the piston completes its stroke (no more counter pressure available in the cylinder), a command signal is given out to a direction valve to have the piston change the stroke.

Sole condition required for perfect component performance is that the piston has to complete its stroke.

No intermediate positions are allowed.

Major advantage of this component is to command the piston stroke changes without electrical connections.



Code	Item	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	CH ₁	CH ₂
024008	V62 00 18	1/8"	4	1/8"	5	11	29,5	38	13	16
024010	V62 00 14	1/4"	4	1/4"	6,5	13	33	40	16	16
024011	V62 00 38	3/8"	4	3/8"	7	13	33	42	20	20

Technical data										
Fluid	Compressed air									
Pressure range (bar)	Exercise:	3	4	5	6	7	8	9	10	
	Commutation:	0,3	0,5	0,65	0,9	1	1,2	1,4	1,6	
Temperature range	0 °C ÷ + 70°C									
Parallel threads	UNI - ISO 228 / 1 (BSP)									
Materials	Body: Nickel plated brass Collet: Stainless steel Seals: Nitrile rubber (NBR)									

Version	Symbol	Type
Dynamic (self-cleaning)		SPD
Static (with felt)		SPF
Static high flow rate		SPS
In Polyethylene		AS19
In polyethylene with stem		AS22

Options	Suffix
Threaded NPT (Only for SPD, SPF and SPS)	NPT



Series of silencers in plastic polymers to be fitted on exhausts for reducing noise.

SPD

Self cleaning dynamic silencer in acetal resin. The sound-absorbing material, composed by moving elements, avoids the risk of obstructions maintaining constant in time the air flow.

SPF

Static silencer in acetal resin, sound-absorbing material: felt.

SPS

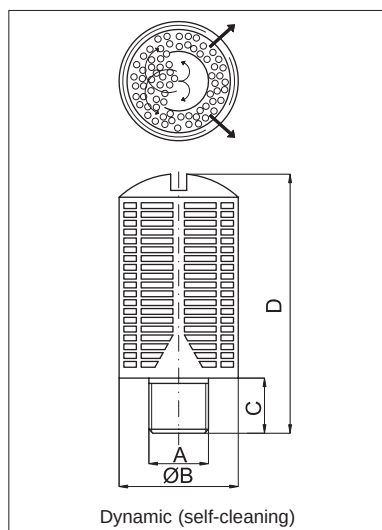
High flow static silencer in polyacetal resin. Overall dimensions and sound-absorbing material, in micro porous polyethylene, grant high flow-rates and low noise values.

AS19 e AS22

Static silencer in polyethylene with compact overall dimensions. Available for threaded or push-in connections.

For standard items, codes and dimensions, see tables at page 4.85.2.

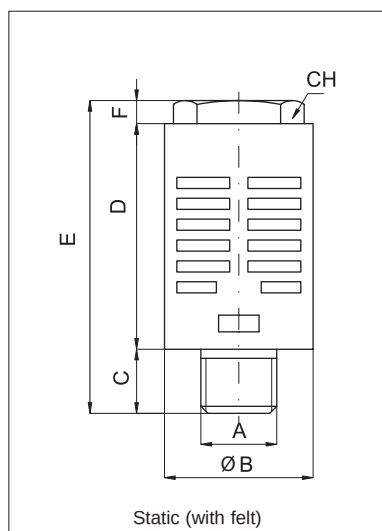
Technical data				
Type	SPD	SPF	SPS	AS19 - AS22
Fluid	Compressed air			
Pressure range	0 ÷ 6 bar		0 ÷ 10 bar	
Temperature range	-10 °C ÷ + 70°C			
Parallel threads	UNI - ISO 228/1	UNI - EN 10226/1	UNI - ISO 228/1	UNI - ISO 228/1 (AS19)
Mounting position	Any position			
Body material	Acetal resin	Acetal resin	Polyacetal	Polyethylene
Noise absorbing material	Granulated acetal resin	Pressed felt and aluminium net	Polyethylene	Polyethylene



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
SPD18..	700	< 90	3
SPD14..	1100	< 90	6,5
SPD38..	2900	< 90	14
SPD12..	2900	< 90	15,5
SPD34..	5000	< 90	107,5
SPD01..	5000	< 90	110,5

* Measured at 6 bar at a distance of 1 m.

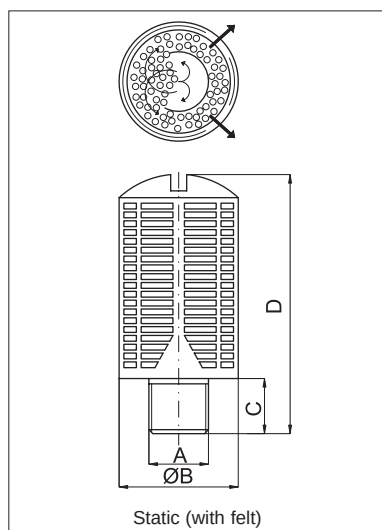
Blue		Black		Yellow		A	B	C	D
Code	Item	Code	Item	Code	Item				
016001	SPD18BL	016011	SPD18NE	010001	SPD18GI	1/8"	15,5	6	32,5
016002	SPD14BL	016012	SPD14NE	010002	SPD14GI	1/4"	19,5	8	43
016003	SPD38BL	016013	SPD38NE	010003	SPD38GI	3/8"	24,5	11	58
016004	SPD12BL	016014	SPD12NE	010004	SPD12GI	1/2"	24,5	11	58
016005	SPD34BL	016015	SPD34NE	010005	SPD34GI	3/4"	48	18	115
016006	SPD01BL	016016	SPD01NE	010006	SPD01GI	1"	48	18	115



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
SPF18..	650	< 90	3
SPF14..	1050	< 90	6
SPF38..	2760	< 90	11,5
SPF12..	2760	< 90	13,5

* Measured at 6 bar at a distance of 1 m.

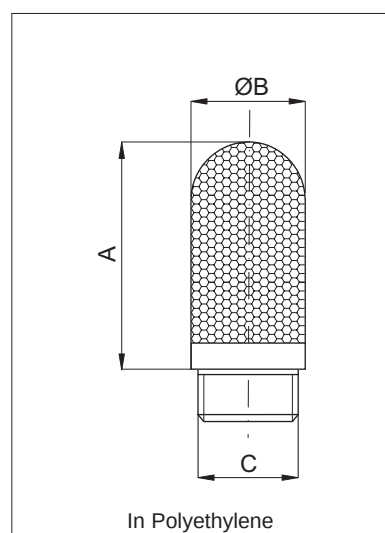
Blue		Black		White		A	B	C	CH	D	E	F
Code	Item	Code	Item	Code	Item							
017031	SPF18BL	010021	SPF18NE	017021	SPF18NT	1/8"	15,5	6	10	25,5	33	2,5
017032	SPF14BL	010022	SPF14NE	017022	SPF14NT	1/4"	19,5	8	12	32	43	3
017033	SPF38BL	010023	SPF38NE	017023	SPF38NT	3/8"	24,5	11	16	44	58	3
017034	SPF12BL	010024	SPF12NE	017024	SPF12NT	1/2"	24,5	11	16	44	58	3



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
SPF34..	-	< 90	69,5
SPF01..	-	< 90	72,5

* Measured at 6 bar at a distance of 1 m.

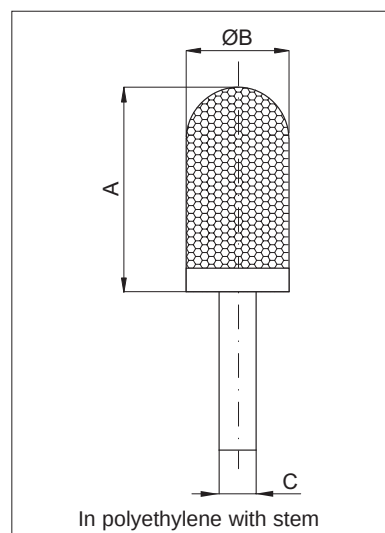
Blue		Black		Yellow		A	B	C	D
Code	Item	Code	Item	Code	Item				
017035	SPF34BL	010025	SPF34NE	017045	SPF34GI	3/4"	48	18	115
017036	SPF01BL	010026	SPF01NE	017046	SPF01GI	1"	48	18	115



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
AS19 M5	-	-	0,4
AS19 18	-	-	2,6
AS19 14	-	-	5,2
AS19 38	-	-	10,5
AS19 12	-	-	-
AS19 34	-	-	-
AS19 01	-	-	-

* Measured at 6 bar at a distance of 1 m.

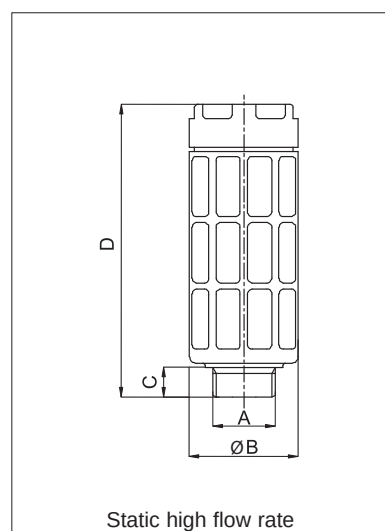
Code	Item	A	B	C
016108	AS19 M5	19	7	M5
016103	AS19 18	25	13	1/8"
016102	AS19 14	31	17	1/4"
016104	AS19 38	54	25	3/8"
016105	AS19 12	58.5	25	1/2"
016106	AS19 34	122.5	37	3/4"
016107	AS19 01	138.5	48	1"



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
AS22 06	-	-	1,1
AS22 08	-	-	2,3
AS22 10	-	-	5,5
AS22 12	-	-	11,2

* Measured at 6 bar at a distance of 1 m.

Code	Item	A	B	C
016152	AS22 06	45	12.5	6
016153	AS22 08	43.6	13.5	8
016154	AS22 10	57.5	15.5	10
016155	AS22 12	82	18.5	12



Technical data			
Item	Flow rate (l/min)	Noise* (dB)	Weight (g)
SPS18	2050	< 77	2
SPS14	3400	< 77	8
SPS38	5900	< 82	30
SPS12	10600	< 80	58
SPS34	15000	< 83	83
SPS01	19900	< 84	140

* Measured at 6 bar at a distance of 1 m.

Code	Item	A	B	C	D
016171	SPS18NE	1/8"	15.2	5.3	35.6
016172	SPS14NE	1/4"	19.2	6.5	57.4
016173	SPS38NE	3/8"	33.2	9	77.8
016174	SPS12NE	1/2"	43	10	87.4
016175	SPS34NE	3/4"	44.5	11.5	119.5
016176	SPS01NE	1"	55	13	125

Version	Symbol	Type
Truncated cone		AC
Truncated cone with wrench in top		ACQ
Truncated cone with hex. key on nipple		AE
Extended truncated cone with hex. key on nipple		AEA
Truncated cone with hex. key on copper plated steel nipple		AEB
Truncated cone with slot cut fully sintered bronze		ACT
Flat filter and hex. key on nipple		AEP
Stainless steel mesh filter hex. key on nipple		AFE
Flat insert		AP
Cylindrical		AT
Cylindrical with slot cut		ATT
Truncated cone push-in		ACI



Series of silencers with metal nipple and 36 micron sintered bronze filter element. They can applied to valve exhausts to reduce noise level.

* How to order: ACQ14N

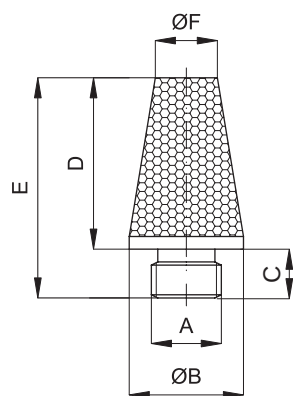
ACQ	14	N
Type	Thread code	Option code

* For standard items, codes and dimensions see tables from page 4.85.12.

Options	Suffix
Completely nickel plated	N

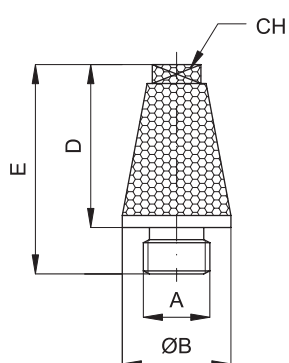
Threads	M5	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Code	M5	18	14	38	12	34	01

Technical data	
Fluid	Compressed air
Pressure range	0 ÷ 12 bar
Temperature range	-10 °C ÷ + 80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	ISO R / 262
Materials	Filter element: Sintered spherical bronze (AFE with sintered stainless steel AISI 304 net) Nipple: Brass (AEB in copper plated steel) Filter degree: 36 micron



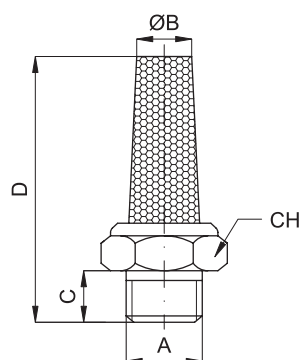
Truncated cone

Code	Item	A	B	F	C	D	E
010031	AC18	1/8"	12	8	6	15	21
010032	AC14	1/4"	15	11	6	19	25
010033	AC38	3/8"	19	15	8	30	36
010034	AC12	1/2"	23	18	10	32	43
010035	AC34	3/4"	31	23	13	32,5	53
010036	AC01	1"	37	32,5	12	40,5	52,5
010037	ACM5	5MA	6	5	4,5	9,5	13



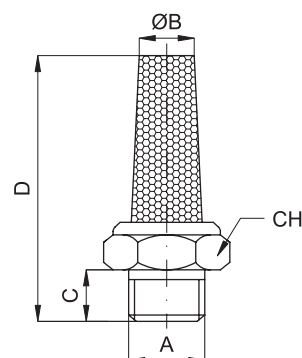
Truncated cone with wrench in top

Code	Item	A	B	CH	C	D	E
010051	ACQ18	1/8"	12	7	6	15	21
010052	ACQ14	1/4"	15	9	6	19	25
010053	ACQ38	3/8"	19	10	8	28	37
010054	ACQ12	1/2"	23	14	10	33	41
010055	ACQ34	3/4"	31	20	13	40	51
010056	ACQ01	1"	37	23	15	48	60
010057	ACQM5	5MA	12	7	6	15	19



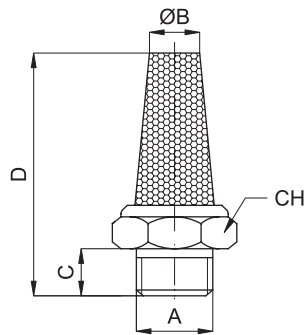
Truncated cone with hex. key on nipple

Code	Item	A	B	CH	C	D
010121	AE18	1/8"	8	13	6	28
010122	AE14	1/4"	9	16	8	32
010123	AE38	3/8"	12	19	7,5	41
010124	AE12	1/2"	16	24	10	46,5
010125	AE34	3/4"	20	30	10	50
010126	AE01	1"	21	36	10,5	60
010127	AEM5	5MA	4,5	8	4	16
010128	AE18F	1/8"F	7	13	6	28



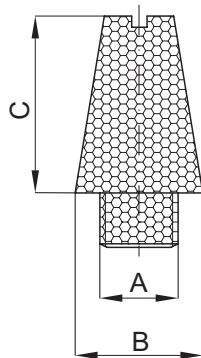
Extended truncated cone with hex. key on nipple

Code	Item	A	B	CH	C	D
010161	AEA18	1/8"	7	13	6	41,5
010162	AEA14	1/4"	8	16	8	52
010163	AEA38	3/8"	10	19	7,5	56
010164	AEA12	1/2"	14	24	10	67
010165	AEA34	3/4"	17	30	10	70
010166	AEA01	1"	20	36	10,5	78
010167	AEAM5	5MA	4	8	4	24
010168	AEA18F	1/8"F	7	13	6	41,5
010169	AEA21	1 1/2"	-	55	20	140
010170	AEA20	2"	-	65	17	213



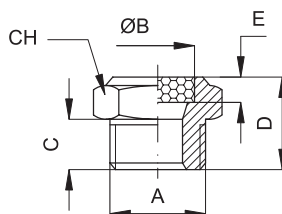
Truncated cone with hex.
key on copper plated steel nipple

Code	Item	A	B	CH	C	D
010141	AEB18	1/8"	8,5	12	4,5	21
010142	AEB14	1/4"	11	15	6	27
010143	AEB38	3/8"	14	19	7	35
010144	AEB12	1/2"	17	23	8	43
010145	AEB34	3/4"	21	30	9	54
010146	AEB01	1"	26,5	36	11	67
010147	AEBM5	5MA	4,5	7	4	18



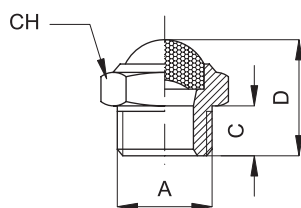
Truncated cone with slot cut, fully sintered bronze

Code	Item	A	B	C
010265	ACT18	1/8"	11	15.5
010266	ACT14	1/4"	14	18.5
010262	ACT38	3/8"	18	25
010263	ACT12	1/2"	24	33
010264	ACT34	3/4"	29.5	53
010261	ACT01	1"	35.5	60



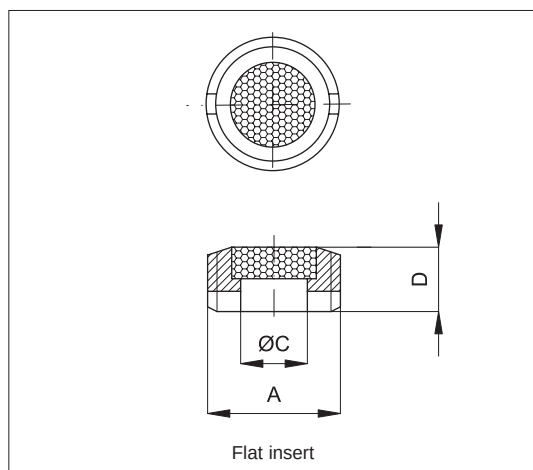
Flat filter and hex. key on nipple

Code	Item	A	CH	C	D
010091	AEP18	1/8"	13	6	13
010092	AEP14	1/4"	16	8	17
010093	AEP38	3/8"	19	7,5	17
010094	AEP12	1/2"	24	10	19
010095	AEP34	3/4"	30	10	19
010096	AEP01	1"	36	10,5	20
010097	AEPM5	5MA	8	4	9
010098	AEP18F	1/8"F	14	6	20

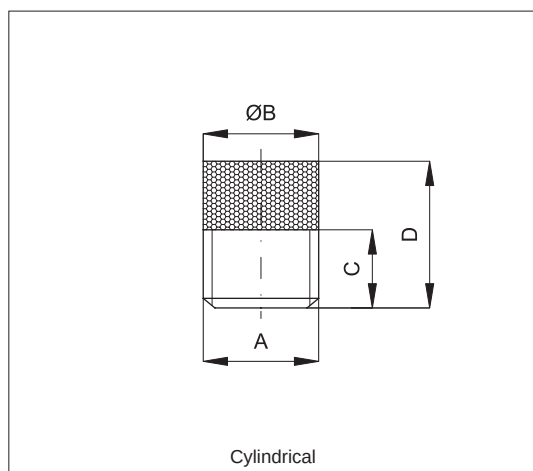


Stainless steel mesh filter, hex. key on nipple

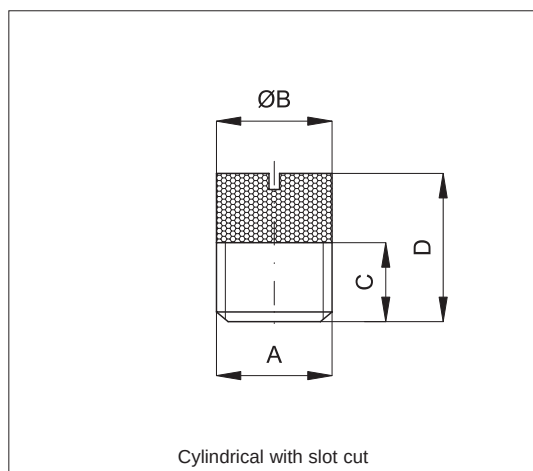
Code	Item	A	CH	C	D
010311	AFE18	1/8"	13	6	16
010312	AFE14	1/4"	16	8	19
010313	AFE38	3/8"	19	7,5	19
010314	AFE12	1/2"	24	10	23
010315	AFE34	3/4"	30	10	25
010316	AFE01	1"	36	10,5	29
010317	AFEM5	5MA	8	4	9
010318	AFE18F	1/8"F	14	6	20



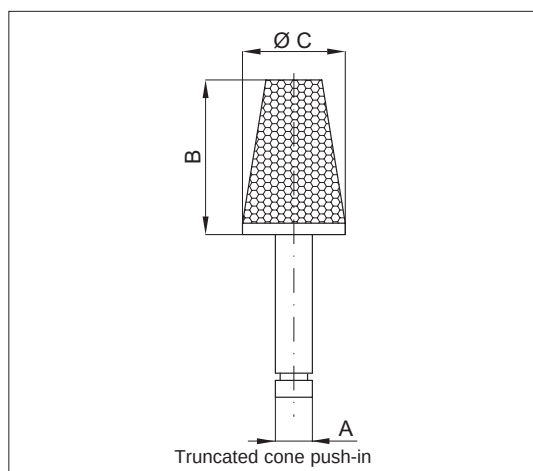
Code	Item	A	C	D
010251	AP18	1/8"	6	4,5
010252	AP14	1/4"	8	6,5
010253	AP38	3/8"	9,5	7
010254	AP12	1/2"	12,5	8,5
010255	AP34	3/4"	19	8,5
010256	AP01	1"	24	10



Code	Item	A	B	C	D
010211	AT18	1/8"	10	4	10
010212	AT14	1/4"	13	7	15
010213	AT38	3/8"	17	7	15



Code	Item	A	B	C	D
010231	ATT18	1/8"	10	4	10
010232	ATT14	1/4"	13	7	15
010233	ATT38	3/8"	17	7	15
010234	ATT12	1/2"	25	10	18
010235	ATT34	3/4"	32	13	22
010236	ATT01	1"	39	14	25



Code	Item	A	B	C
010290	ACI04	4	13.7	10
010291	ACI06	6	16.4	13
010292	ACI08	8	24.4	17

Version	Symbol	Type
Metal silencers for presses		M
For presses reduced sizes		MI



Series of metal silencers particularly suitable for exhausts in big plants and this thanks to their high flow and noise reduction. They are normally used for presses.

* How to order: M12/40

Options	Suffix
Till 40 bar (only for M series)	/40

M	12	/ 40
Type	Thread code	Option

Note: the silencer with the /40 option has the same efficiency features as standard silencers, moreover it is provided with a balanced valve assembled on the top, which allows the discharge of the air when the exit pressure changes. This avoids damage which can be caused by air shock and pulsating pressure.

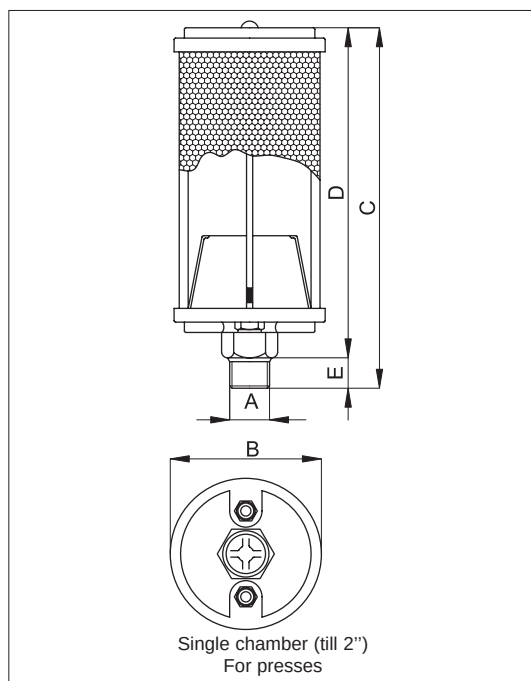
* For standard items, codes and dimensions see tables at page 4.85.22.

Threads	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	6"
Code	01	02	00	05	07	10	12	15	20	30	40	60

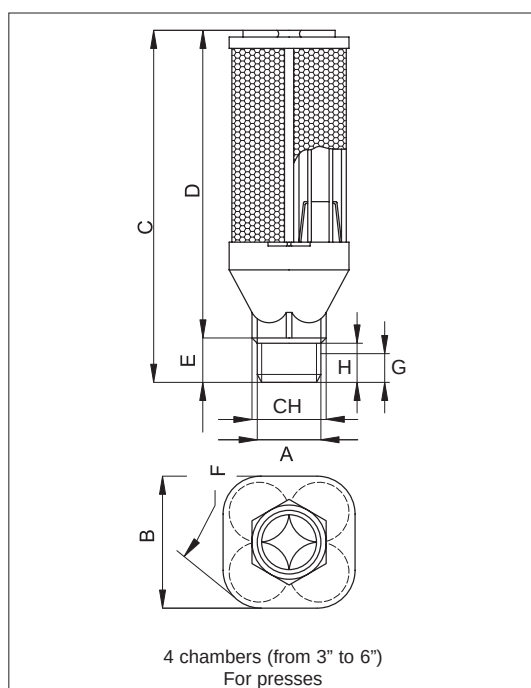
Flows at 6 bar (Type M)												
Threads	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"	6"
l/min	1.553	3.105	6.210	9.035	19.760	28.230	45.168	73.398	118.600	254.000	508.000	1.130.000

Spare cartridges can be supplied upon request.

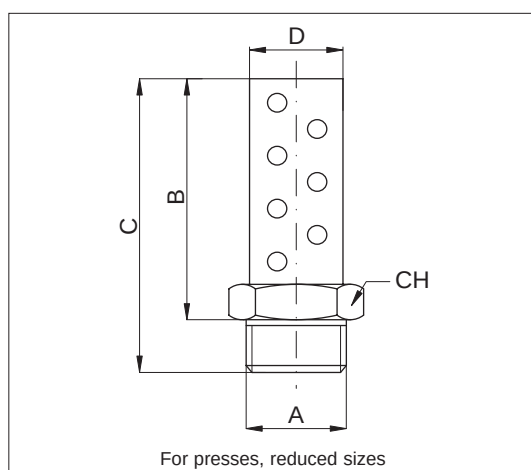
Technical data		
Fluid	Compressed air	
Pressure range	M series: 0 ÷ 10 bar	MI series: 0 ÷ 12 bar
Temperature range	M series: -25 °C ÷ + 100°C	MI series: 0 °C ÷ + 70°C
Taper threads	M series: BSPT - NPTF	MI series: BSPT
Materials	Body: Aluminium (M) - Zinc plated steel (MI) Tie rods: Steel (M) Cartridge: Noise absorbing fibre coated by metal drilled plate (M) - Stainless steel (MI)	



Code	Item	A	B	C	D	E
011001	M01	1/8"	49	80	70	10
011002	M02	1/4"	49	106	93	13
011003	M00	3/8"	70	126	113	13
011004	M05	1/2"	86	146	132	13
011005	M07	3/4"	89	179	162	17
011006	M10	1"	103	212	192	20
011007	M12	1 1/4"	103	219	192	26
011008	M15	1 1/2"	136	351	318	33
011009	M20	2"	136	484	450	33



Code	Item	A	B	C	D	E	F	G	CH	M
011501	M30	3"	179	623	421	56	219	33	93	35
011502	M40	4"	205	623	563	60	248	36	-	-
011503	M60	6"	288	815	732	83	348	39	172	42,5



Code	Item	A	B	CH	C	D
011040	MI01	1/8"	28	11	35	11
011041	MI02	1/4"	33	14	44	14
011042	MI00	3/8"	43	18	56	17,5
011043	MI05	1/2"	52	22	68	22
011044	MI07	3/4"	64	27	81	27
011045	MI10	1"	76	33	98	33
011046	MI12	1-1/4"	90	46	113	42
011047	MI15	1-1/2"	100,6	50	124,2	50
011048	MI20	2"	114,7	60	141,2	60

Version	Symbol	Code	Item
Exhausts conveyor		080001	CSC1



The exhausts conveyor is a useful and practical tool to be used where more exhausts (of one or more machines) have to be conveyed to one silencing element only; the exhaust conveyor, compared with the traditional silencer, keeps the work place clean as it doesn't exhaust the oil nebulized by the plant into the air.

The various tubes from different machines are connected with the exhaust conveyor upper side by pre-mounted push-in fittings (female 1" thread can also be used).

The air mixed with oil flows into the respective chamber linked with a connection and into a thick aluminium wire filter that separates air from oil, keeping the latter back. The air passes through the filter and then flows outside through a second sintered bronze filter covering the whole conveyor circumference, while the oil drops to a vessel below, which can be emptied by a manual exhaust placed at the bottom of the conveyor.

Technical data		
Fluid	Compressed air	
Pressure range	0 ÷ 12 bar	
Temperature range	-20 °C ÷ + 70°C	
Connection	10 connections with integral 8 mm push-in fittings, 1 port with female BSP 1" thread	
Connection tubes	Calibrated nylon, polyurethane and rilsan	
Tubes tolerances	± 0,05 mm	
Materials	Body:	Acetal resin
	Separator filter:	Aluminium
	External filter:	Sintered bronze
	Connections:	Brass
	Bracket:	White zinc plated steel

