

Pneufit® S Stainless steel Push-in fittings

- Developed to carry corrosive fluids or to be used in aggressive environments
- Ideal for direct contact with food fluids
- Can be used in salty environments and on machines that need frequent washing with aggressive detergents
- Certified NSF 169 and conforming to NSF 61 & NSF 372 standards
- Compliant with Food Contact Materials - Regulation (EC) 1935/2004
- Cleanline design
- Tube size: Ø 4 ... 12 mm O/D
- ISO G and ISO R threads
- Swivel function on all elbows and tees
- Quick connection and disconnection
- Silicon free



Technical features

Medium:

Compressed air
(For other media please consult Technical Department)

Operating pressure:

Vacuum ... 20 bar (... 290 psi)
(Dependent upon operating specification of tubing)

Vacuum:

-750 mm of Hg i.e. 99%

Tube sizes:

4, 6, 8, 10, 12 mm O/D

Thread sizes:

ISO R, ISO G, Metric M5

Standard:

Conforms to BS EN 14743 -
Pneumatic fluid power - Push-in
connectors for thermoplastic
tubes

Tubing types:

PA6, PA11, PA12, Polyethylene,
Polyurethane*, PTFE, FEP.
*Use from 90 to 98 Shore, for
maximum performance 98 Shore
A is recommended.

Ambient/Media temperature:

-15°C ... +190°C (+5 ... 374°F)

Materials:

Body, release sleeve and grab
ring: AISI 316L stainless steel
'O'-ring & thread seal (BSPP): FKM
Lubricants: FDA approved

Note: All raw materials and
manufacturing processes are
Silicon free. To guarantee sealed
packaging please contact
Norgren technical support.

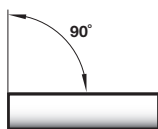
Food and beverage compliance:

NSF 169, NSF 61 and NSF 372
EC 1935/2004

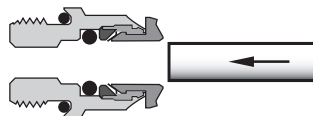
Typical applications:

Food and Beverage, Automation with Washing, Farming, Mining, Chemical, Petrolchemical, Pharmaceutical, Medical, Life Sciences, Vacuum

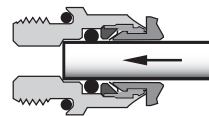
Method of assembly



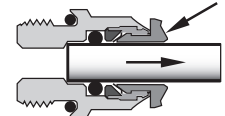
1. Ensure that the end of the tube
is cleanly cut and square.



2. Push the tube through the
release sleeve into the fitting.

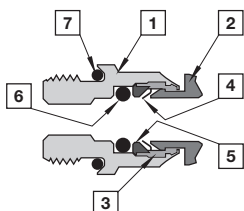


3. Continue pushing the tube
through the 'O'-ring until it
bottoms on the tube stop then
pull back.



4. To disconnect push the tube
into the fitting, hold down the
release sleeve and withdraw
the tube.

Components



- 1 Body
- 2 Release sleeve
- 3 Retainer
- 4 Grab ring
- 5 Bracking ring
- 6 'O'-ring
- 7 'O'-ring

Straight adaptors and connectors

Straight adaptor ISO R S0125	Straight adaptor, ISO G S0225	Straight female adaptor ISO G S0226	Straight connector S0020	Straight stem adaptor ISO G S0215	Reducing connector S0023	Bulkhead connector S0029
						
Page 3	Page 3	Page 3	Page 3	Page 3	Page 3	Page 4

Elbow adaptors and connectors

Swivel elbow adaptor ISO R S0147	Swivel elbow adaptor ISO G S0247	Elbow connector S0040
		
Page 4	Page 4	Page 4

Tee, Y adaptors and connectors

Swivel tee adaptor ISO R S0167	Swivel tee adaptor ISO G S0267	Tee connector S0060
		
Page 5	Page 5	Page 5

Accessories

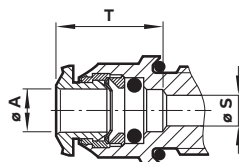
Plug ISO G 66005	Sleeve adaptor ISO G 66022	Tee connector ISO G 66062
		
Page 6	Page 6	Page 6

Technical data

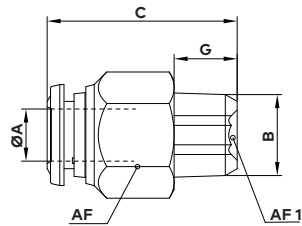
Ø A O/D tube	Ø S	T *2)
4	3,1	14
6	4,1	16
8 (1/8" thread *1))	5,1	16
8 (1/4" thread *1))	8,1	16
10	8,1	20,5
12 (3/8" thread *1))	8,1	22,5
12 (1/2" thread *1))	10,1	22,5

*1) Straight fittings with threads have an internal hexagon to suit an Allen key - refer to tables below for sizes

*2) Dimension with the release sleeve in the "IN" position

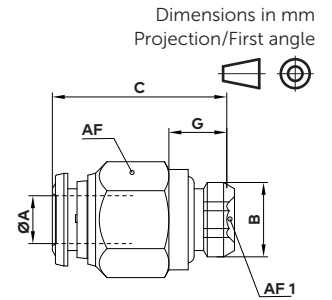


Straight adaptor, ISO R S0125



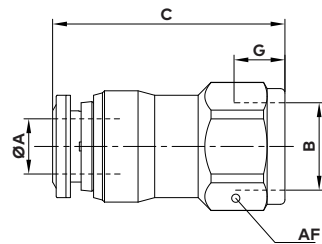
Ø A	B	C	G	AF	AF1	Weight (g)	Model
4	R1/8	19	7,5	10	3	8	S01250418
4	R1/4	23	11	14	3	18	S01250428
6	R1/8	22,5	7,5	13	4	12	S01250618
6	R1/4	24,5	11	14	4	18	S01250628
8	R1/8	25,5	7,5	14	5	15	S01250818
8	R1/4	25	11	14	6	15	S01250828
10	R1/4	30,5	11	17	7	25	S01251028
10	R3/8	28	11,5	17	8	26	S01251038
12	R3/8	33,5	11,5	21	9	43	S01251238
12	R1/2	32	14	22	10	50	S01251248

Straight adaptor, ISO G S0225



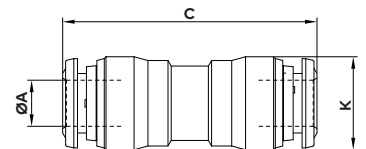
Ø A	B	C	G	Ø K	AF	AF1	Weight (g)	Model
4	M5	20	4	8	10	2	9	S02250405
4	G1/8	19,5	6	13	10	3	8	S02250418
4	G1/4	19,5	8	15	15	3	15	S02250428
6	G1/8	23,5	6	13	13	4	13	S02250618
6	G1/4	23,5	8	15	15	4	18	S02250628
8	G1/8	25,5	6	13	14	5	15	S02250818
8	G1/4	23,5	8	15	15	6	16	S02250828
10	G1/4	30	8	16	17	8	26	S02251028
10	G3/8	27	9	20	17	8	26	S02251038
12	G3/8	34	9	21	21	8	47	S02251238
12	G1/2	31	10	25	22	10	49	S02251248

Straight female adaptor ISO G S0226



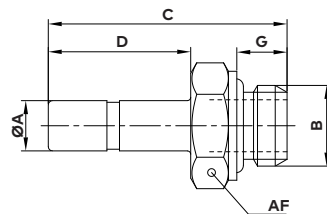
Ø A	B	C	G	AF	Weight (g)	Model
4	G1/8	25	8.5	13	12	S02260418
6	G1/8	26	8.5	13	14	S02260618
8	G1/8	29.5	11	15	19	S02260628
6	G1/4	27	8.5	16	19	S02260818
8	G1/4	29.5	11	17	23	S02260828

Straight connector S0020



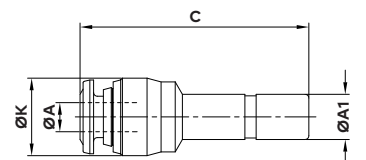
Ø A	C	Ø K	Weight (g)	Model
4	31	10,5	10	S00200400
6	35	12,5	15	S00200600
8	36,5	14,5	19	S00200800
10	42	17,5	32	S00201000
12	48	20,5	49	S00201200

Straight stem adaptor ISO G S0215



Ø A	B	C	D	G	AF	Weight (g)	Model
6	G1/8	28,5	17	6	13	9	S02150618
8	G1/4	31,5	18	8	16	23	S02150828
10	G3/8	37,5	22	9	20	26	S02151038
12	G1/2	42,5	24,5	10	24	42	S02151248

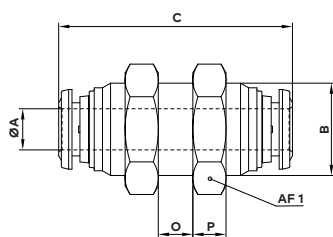
Reducing connector S0023



Ø A	Ø A1	C	Ø K	Weight (g)	Model
4	6	30.5	10.5	7	S00230604
6	8	34	12.5	11	S00230806
8	10	38	14.5	15	S00231008
10	12	42	17.5	23	S00231210

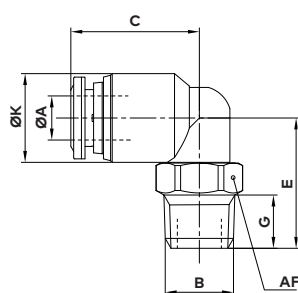
Bulkhead connector S0029

Dimensions in mm
Projection/First angle



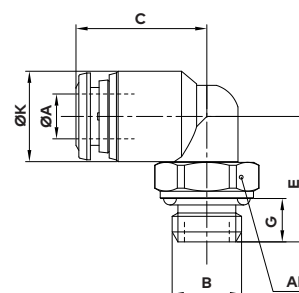
Ø A	B	C	O max.	P	AF	Weight (g)	Model
4	M12x1	31	7	4,5	17	24	S00290400
6	M14x1	35	9,5	5	17	28	S00290600
8	M16x1	37	10,5	5,5	19	37	S00290800
10	M20x1	42	12,5	6	24	67	S00291000
12	M22x1	48	16,5	6	26	88	S00291200

Swivel elbow adaptor, ISO R S0147



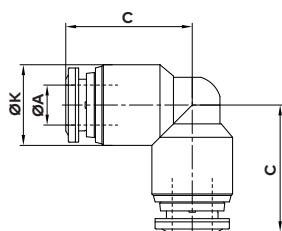
Ø A	B	C	E	G	Ø K	AF	Weight (g)	Model
4	R1/8	15,5	17	7,5	10	11	12	S01470418L
4	R1/4	15,5	21	11	10	14	20	S01470428L
6	R1/8	18	18,5	7,5	12,5	11	16	S01470618L
6	R1/4	18	22,5	11	12,5	14	24	S01470628L
8	R1/8	20	23	7,5	14,5	12	22	S01470818L
8	R1/4	20	23,5	11	14,5	14	27	S01470828L
10	R1/4	23,5	28,5	11	17,5	15	38	S01471028L
10	R3/8	23,5	26	11,5	17,5	17	42	S01471038L
10	R1/2	23,5	29,5	14	17,5	22	61	S01471048L
12	R3/8	27,5	32,5	11,5	20,5	17	64	S01471238L
12	R1/2	27,5	31,5	14	20,5	22	74	S01471248L

Swivel elbow adaptor, ISO G S0247



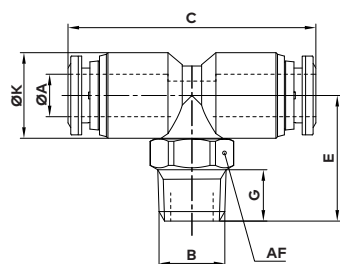
Ø A	B	C	E	G	Ø K	AF	Weight (g)	Model
4	M5	15,5	16	4	10	8	8	S02470405L
4	G1/8	15,5	16	6	10	13	12	S02470418L
4	G1/4	15,5	18,5	8	10	15	17	S02470428L
6	G1/8	18	17,5	6	12,5	13	16	S02470618L
6	G1/4	18	20	8	12,5	15	22	S02470628L
8	G1/8	20	23	6	14,5	13	23	S02470818L
8	G1/4	20	21	8	14,5	15	24	S02470828L
10	G1/4	23,5	27,5	8	17	15	36	S02471028L
10	G3/8	23,5	25	9	17	20	45	S02471038L
10	G1/2	23,5	26,5	10	17	25	60	S02471048L
12	G3/8	27,5	30,5	9	20,5	20	65	S02471238L
12	G1/2	27,5	28,5	10	20,5	25	73	S02471248L

Elbow connector S0040



Ø A	C	Ø K	Weight (g)	Model
4	16	10	8	S00400400L
6	19,5	12,5	15	S00400600L
8	21	14,5	20	S00400800L
10	24,5	17	30	S00401000L
12	29	20,5	52	S00401200L

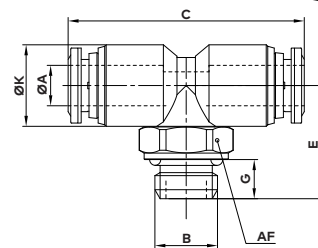
Swivel tee adaptor, ISO R S0167



Ø A	B	C	E	G	Ø K	AF	Weight (g)	Model
4	R1/8	30,5	17	7,5	10	11	14	S01670418L
6	R1/8	36	20,5	7,5	12,5	11	20	S01670618L
6	R1/4	36	22,5	11	12,5	14	28	S01670628L
8	R1/8	40	23	7,5	14,5	12	28	S01670818L
8	R1/4	40	23,5	11	14,5	14	32	S01670828L

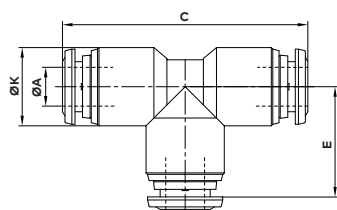
Swivel tee adaptor, ISO G S0267

Dimensions in mm
Projection/First angle



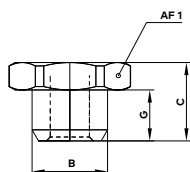
Ø A	B	C	E	G	Ø K	AF	Weight (g)	Model
4	G1/8	30,5	16	6	10	13	14	S02670418L
6	G1/8	36	17,5	6	12,5	13	20	S02670618L
6	G1/4	36	20	8	12,5	15	26	S02670628L
8	G1/8	40	23	6	14,5	13	29	S02670818L
8	G1/4	40	21	8	14,5	15	30	S02670828L
10	G1/4	47	27,5	8	17	15	44	S02671028L
10	G3/8	47	25	9	17	20	52	S02671038L

Tee connector S0060



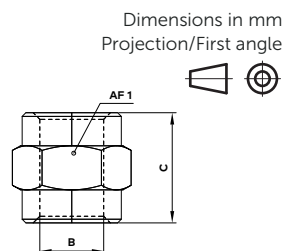
Ø A	C	E	Ø K	Weight (g)	Model
4	32	16	10	10	S00600400L
6	39	19,5	12,5	19	S00600600L
8	42	21	14,5	26	S00600800L
10	49	24,5	17	38	S00601000L
12	57,5	29	20,5	67	S00601200L

Plug 66005



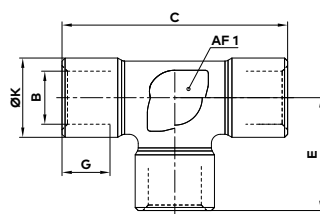
B	C	G	AF	Weight (g)	Model
G 1/8	10	6,5	14	7	660050018
G 1/4	13	9	17	14	660050028
G 3/8	13,5	9,5	19	17	660050038
G 1/2	14,5	10	24	26	660050048

Sleeve adaptor 66022



B	C	Ø K	AF	Weight (g)	Model
G 1/8	15	13,5	14	11	660221818
G 1/4	22	16,5	17	21	660222828
G 3/8	24	21,5	22	33	660223838
G 1/2	30	25,5	27	62	660224848

Tee connector 66062



B	C	E	G	Ø K	Ø S	AF	Weight (g)	Model
G 1/8	37	18,5	8,5	18,5	6	12	32	660620018
G 1/4	49	24,5	11	24,5	8	12	50	660620028
G 3/8	54	27	12	27	11	15	77	660620038
G 1/2	64	32	15	32	15	20	146	660620048

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.