

# Fittings, tubing and accessories


Norgren offers fittings to work seamlessly with virtually every motion and fluid control product. Our Pneufit range, both metal and composite, has been extended dramatically to make Norgren Express your one stop shop for fittings. Also included in this section is a new high quality range of tubing plus vital responsible business products such as coalescing exhaust silencers. See the fast find guide overleaf to find the right part to get the job done.



# Fast Find Guide

## FITTINGS

**Pneufit C composite fittings**  
 Ø 3 ... 16 mm



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**Pneufit push-in fittings**  
 Ø 4 to 14 mm




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**Fleetfit vehicle push-in fittings**  
 Ø 6 ... 16 mm



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**24 series push-on tube fittings**  
 Ø 4/2,5 mm to 15/12,5 mm



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**43 series compression fittings - external nut**  
 Ø 4 to 22 mm



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**BSP & hose fittings**  
 M5, 1/8" to 1" BSP



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## TUBING & HOSES

**Nylon tubing**  
 Ø 3 to 16 mm




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**Polyurethane tubing**  
 Ø 3 to 16 mm




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**Weld tubing**  
 Ø 4 ... 14 mm



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**Pneuflex tubing**  
 Ø 6 ... 8 mm



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**Tube cutter**



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**Tubing channels**  
 Ø 6 ... 12 mm



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## ACCESSORIES

**233 series**  
 Single and double shut off quick release couplings



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**238 series**  
 Single shut off quick release couplings



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**234 series**  
 Double shut off quick release couplings



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**237 series**  
 Single shut off quick release couplings



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**M/S, T45 series**  
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**T40 series**  
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**MA, MB series**  
 Silencers



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**Exhaust filters**



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**60, 61 series Ball valves**  
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**3/2 Shut off valves**  
 Ø 6 ... 12mm  
 G1/8 ... G1/2  
 R1/8 ... R1/2



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**BG Series**  
 Blow guns




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# Fast Find Guide


## CLASSIC PRODUCTS

**Nylon tubing**  
Ø 4 to 28 mm



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**Polyurethane tubing**  
Ø 4 to 28 mm



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**Slow rotating joints**



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**Fast rotating joints**



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**Herion silencer**



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**Enots compression fittings**  
Spare parts



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# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube

Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools and providing optimum flow

Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series

Releasable stainless-steel grab-ring to grip nylon or polyurethane tube (85 or 95 durometer)

Nickel plated brass components provide corrosion and contamination resistance and an extended life

Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing

Internal and external hexagons on straight fittings

Immediate quality sealing using silicone free U-packing

Mounting holes on all union fittings



## TECHNICAL DATA

### Medium:

Compressed air

### Operating pressure:

750 mm Hg vacuum, up to 10 bar

### Ambient temperature:

0 ... 60°C

Consult our Technical Service for use below +2°C

### Tube sizes:

Standard sizes: 3, 4, 6, 8, 10, 12, 16 mm

Warning: The push-in tube fittings in this section must not be used in vehicle air braking and ancillary systems. For push-in fittings suitable for these applications please refer to Fleetfit fittings on page 251.

### Thread sizes:

Standard sizes: M5, M6, 1/8", 1/4", 3/8" and 1/2" ISO G and ISO Rc

### Tubing:

Nylon 11 or 12

Polyurethane 85, 95 or 98 durometer

## MATERIALS

Huis: PBT

Seals: NBR (silicone free) u-packing and O-rings

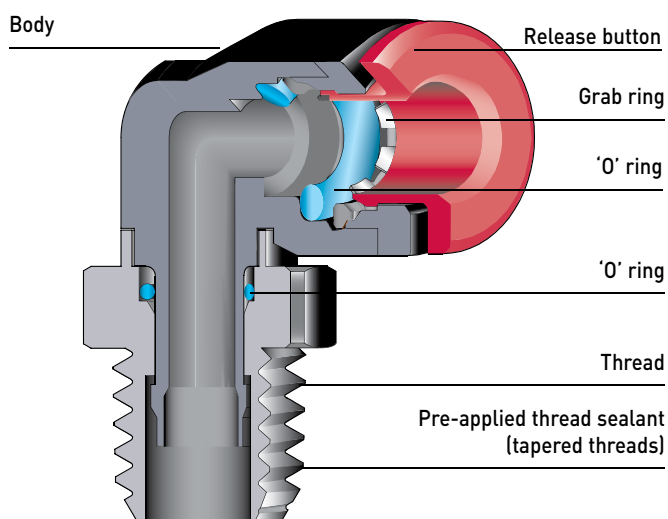
Threaded bodies: Nickel plated brass

Release sleeve and backing ring: POM

Grab-ring: Stainless steel

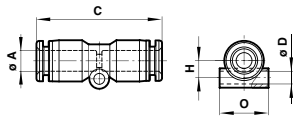
Collar: Nickel plated brass

Thread sealant: Threebond 2350B



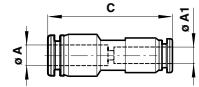
## PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



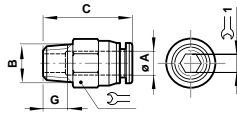
**Straight Union**

Model	O/D Tube (Ø A)	C	ØD	H	O
C00200400	4	34,5	3,3	4,5	10,5
C00200600	6	37	3,3	5,5	12,5
C00200800	8	39,5	4,3	7	14,5
C00201000	10	43	4,3	8	17,5
C00201200	12	48	4,3	9,5	20,5
C00201600	16	51	-	-	-



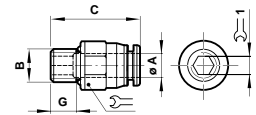
**Straight Union (unequal)**

Model	O/D Tube (Ø A)	O/D Tube (Ø A1)	C
C00200604	6	4	36,5
C00200804	8	4	38,5
C00200806	8	6	37,5
C00201006	10	6	40
C00201008	10	8	41
C00201208	12	8	46
C00201210	12	10	44
C00201612	16	12	49,5



**Straight Adaptor (external + internal hex)**

Model	O/D Tube (Ø A)	BSPT Thread (B)	C	G	Wrench 1	Wrench 2
C01250418	4	R1/8	21,5	8	10	3
C01250428	4	R1/4	20,5	10	14	3
C01250438	4	R3/8	22	11	17	3
C01250618	6	R1/8	22	8	12	4
C01250628	6	R1/4	21	10	14	5
C01250638	6	R3/8	22	11	17	5
C01250648	6	R1/2	29,5	14	19	5
C01250818	8	R1/8	27,5	8	14	5
C01250828	8	R1/4	25,5	10	14	6
C01250838	8	R3/8	23	11	17	6
C01250848	8	R1/2	29,5	14	19	6
C01251018	10	R1/8	28,5	8	17	5
C01251028	10	R1/4	30,5	10	17	6
C01251038	10	R3/8	24,5	11	17	8
C01251048	10	R1/2	29,5	14	19	8
C01251218	12	R1/8	31,5	8	19	5
C01251228	12	R1/4	33	10	19	6
C01251238	12	R3/8	30	11	19	8
C01251248	12	R1/2	30	14	19	8
C01251638	16	R3/8	37,5	11	24	10
C01251648	16	R1/2	40,5	14	24	10



**Straight Adaptor (external + internal hex)**

Model	O/D Tube (Ø A)	Metric & BSPP Thread (B)	C	G	Wrench 1	Wrench 2
C02250405	4	M5	22	4	10	-
C02250406	4	M6	22	8	10	-
C02250418	4	G1/8	21,5	6	13	3
C02250428	4	G1/4	23,5	8	15	3
C02250438	4	G3/8	22	8	17	-
C02250605	6	M5	23,5	5	12	-
C02250606	6	M6	23	4	12	4
C02250618	6	G1/8	26,5	6	13	5
C02250628	6	G1/4	24,5	8	15	5
C02250638	6	G3/8	25,5	8	17	5
C02250818	8	G1/8	26,5	6	15	5
C02250828	8	G1/4	26,5	8	15	6
C02250838	8	G3/8	25	8	17	6
C02250848	8	G1/2	26	9	21	6
C02251018	10	G1/8	29,5	6	17	5
C02251028	10	G1/4	30	8	17	6
C02251038	10	G3/8	27	8	17	8
C02251048	10	G1/2	28,5	9	21	8
C02251228	12	G1/4	32	8	19	6
C02251238	12	G3/8	31,5	8	19	8
C02251248	12	G1/2	31,5	9	21	8
C02251638	16	G3/8	36,5	8	24	10
C02251648	16	G1/2	36,5	9	24	10

### EXPRESS PLUS

#### Pneufit C Fittings Box

6 and 8mm fittings in 21 of the most used shapes and sizes in a purpose built durable fittings box. Contact your Express Team.



### EXPRESS PLUS

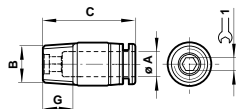
#### Fittings Wall Chart

Contact Norgren for a FREE Fittings Wall Chart.



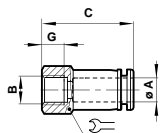
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



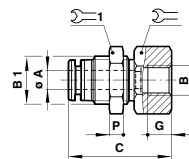
## Straight Adaptor (internal hex only)

Model	O/D Tube (ØA)	Metric & BSPT Thread (B)	C	G	Wrench Size
C022A0405	4	M5	22	4,5	2
C022A0406	4	M6	22	4	3
C012A0418	4	R1/8	20,5	8	3
C012A0428	4	R1/4	20,5	10	3
C012A0438	4	R3/8	20,5	11	3
C022A0605	6	M5	22,5	5	2
C022A0606	6	M6	22,5	4	3
C012A0618	6	R1/8	22	8	4
C012A0628	6	R1/4	22,5	10	4
C012A0638	6	R3/8	22,5	11	4
C012A0818	8	R1/8	27	8	5
C012A0828	8	R1/4	25	10	6
C012A0838	8	R3/8	25	11	6
C012A0848	8	R1/2	25	14	6
C012A1018	10	R1/8	28	8	5
C012A1028	10	R1/4	29	10	6
C012A1038	10	R3/8	29	11	8
C012A1048	10	R1/2	29	14	8
C012A1218	12	R1/8	35	8	5
C012A1228	12	R1/4	32,5	10	6
C012A1238	12	R3/8	32,5	11	8
C012A1248	12	R1/2	32,5	14	8



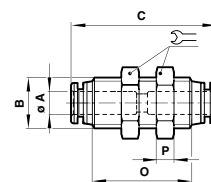
## Female Adaptor

Model	O/D Tube (ØA)	Female BSPP (B)	C	G	Wrench Size
C02260405	4	M5	26	7	12
C02260418	4	G1/8	26,5	9	14
C02260428	4	G1/4	28,5	11	17
C02260438	4	G3/8	30	12	22
C02260618	6	G1/8	27,5	9	14
C02260628	6	G1/4	29,5	11	17
C02260638	6	G3/8	30	12	22
C02260818	8	G1/8	28,5	9	14
C02260828	8	G1/4	30,5	11	17
C02260838	8	G3/8	31,5	12	22
C02260848	8	G1/2	34,5	14	24
C02261018	10	G1/8	31,5	9	17
C02261028	10	G1/4	31,5	11	17
C02261038	10	G3/8	32,5	12	22
C02261048	10	G1/2	34,5	14	24
C02261228	12	G1/4	34,5	11	22
C02261238	12	G3/8	34,5	12	22
C02261248	12	G1/2	36,5	14	24



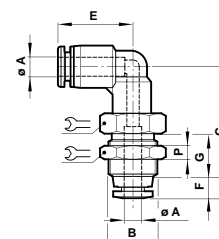
## Straight Adaptor (female bulkhead)

Model	O/D Tube (ØA)	BSPP Thread (B)	B1	C	G	P	Wrench Size 1	Wrench Size 2
C02320418	4	G1/8	M12x1	26,5	9	4	14	14
C02320428	4	G1/4	M12x1	29	11	4	14	17
C02320438	4	G3/8	M12x1	30	12	4	14	22
C02320618	6	G1/8	M14x1	28,5	9	4	17	17
C02320628	6	G1/4	M14x1	30,5	11	4	17	17
C02320638	6	G3/8	M14x1	31,5	12	4	17	22
C02320818	8	G1/8	M16x1	29,5	9	5	19	19
C02320828	8	G1/4	M16x1	31,5	11	5	19	19
C02320838	8	G3/8	M16x1	32,5	12	5	19	22
C02321028	10	G1/4	M20x1	32,5	11	5	24	24
C02321038	10	G3/8	M20x1	33,5	12	5	24	24
C02321048	10	G1/2	M20x1	36	14	5	24	24
C02321228	12	G1/4	M22x1	38	11	5	28	24
C02321238	12	G3/8	M22x1	38	12	5	24	26
C02321248	12	G1/2	M22x1	40	14	5	24	26



## Bulkhead Union

Model	O/D Tube (ØA)	B	C	O	P	Wrench Size
C00290400	4	M12x1	35,5	24,5	4	14
C00290600	6	M14x1	40	27,5	4	17
C00290800	8	M16x1	42	29,5	5	19
C00291000	10	M20x1	45	31,5	5	24
C00291200	12	M22x1	50,5	36	5	26

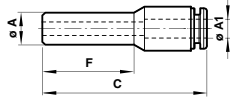


## Bulkhead Union Elbow

O/D Model	Tube (ØA)	B	C	E	F	G	P	Wrench Size
C00490400	4	M12x1	32,5	18,5	5,5	9	4	14
C00490600	6	M14x1	38	20,5	6	11	4	17
C00490800	8	M16x1	40,5	23	6,5	11,5	5	19
C00491000	10	M20x1	42,5	23,5	7	12	5	24
C00491200	12	M22x1	48	27,5	7,5	15	5	26

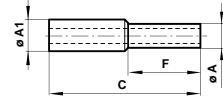
## PNEUFIT C COMPOSITE FITTINGS

Metric  $\varnothing$  3 ... 16 mm O/D tube



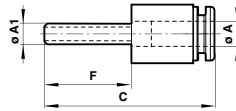
### Stem Reducer

Model	O/D Stem (ØA)	O/D Tube (ØA1)	C	F
C00230604	6	4	41	21,5
C00230804	8	4	42	22,5
C00230806	8	6	44,5	23,5
C00231006	10	6	47,5	26,5
C00231008	10	8	49,5	27,5
C00231206	12	6	52	29,5
C00231208	12	8	52,5	30,5
C00231210	12	10	56,5	31
C00231612	16	12	57,5	33



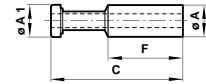
### Stem Union (unequal)

Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	F
C00220604	4	6	38	18
C00220806	6	8	41,5	20,5
C00221008	8	10	43,5	21,5
C00221210	10	12	46,5	22,5
C00221612	12	16	52	25



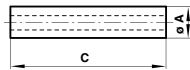
### Stem Expander (stem/tube)

Model	O/D Stem (ØA)	O/D Tube (ØA1)	C	F
C00230406	6	4	41	24
C00230608	8	6	44	26,5



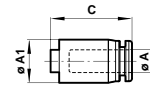
### Plug

Model	O/D Tube (ØA)	ØA1	C	F
C00040400	4	4	30	17,5
C00040600	6	6	34	18,5
C00040800	8	8	38	21
C00041000	10	10	42	24
C00041200	12	12	46	29,5
C00041600	16	16	50	30



### Stem Union

Model	O/D Tube (ØA)	C
C00220400	4	37
C00220600	6	38
C00220800	8	41
C00221000	10	44
C00221200	12	49
C00221600	16	53



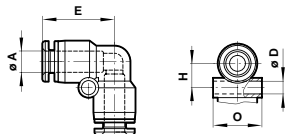
### Cap (female plug)

Model	O/D Tube (ØA)	ØA1	C
C00120400	4	10,5	18
C00120600	6	12,5	19
C00120800	8	14,5	21
C00121000	10	17,5	23
C00121200	12	19,5	25
C00121600	16	24	25



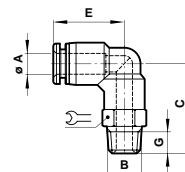
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



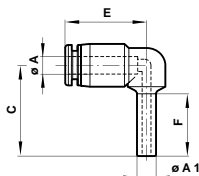
## Union Elbow

Model	O/D Tube (ØA)	ØD	E	H	Ø
C00400400	4	3,3	19	8,5	10,5
C00400600	6	3,3	21	7,5	12,5
C00400800	8	4,3	22,5	9	14,5
C00401000	10	4,3	26	12	18
C00401200	12	4,3	30	13,5	21
C00401600	16	4,3	34	16	25,5



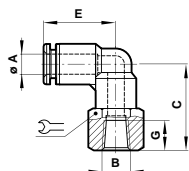
## 90° Swivel Elbow Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	Wrench
C01470418	4	R1/8	24,5	18,5	8	10
C01470428	4	R1/4	26,5	18,5	10	14
C01470438	4	R3/8	27,5	18,5	11	17
C01470618	6	R1/8	26,5	20,5	8	12
C01470628	6	R1/4	29,5	20,5	10	14
C01470638	6	R3/8	30,5	20,5	11	17
C01470648	6	R1/2	33,5	20,5	14	21
C01470818	8	R1/8	28	23	8	14
C01470828	8	R1/4	31	23	10	14
C01470838	8	R3/8	32	23	11	17
C01470848	8	R1/2	35	23	14	21
C01471018	10	R1/8	28,5	23,5	8	17
C01471028	10	R1/4	31,5	23,5	10	17
C01471038	10	R3/8	32,5	23,5	11	17
C01471048	10	R1/2	35,5	23,5	14	21
C01471218	12	R1/8	32,5	27,5	8	19
C01471228	12	R1/4	34,5	27,5	10	19
C01471238	12	R3/8	35,5	27,5	11	19
C01471248	12	R1/2	38,5	27,5	14	21
C01471638	16	R3/8	43	32,5	11	24
C01471648	16	R1/2	46	32,5	14	24



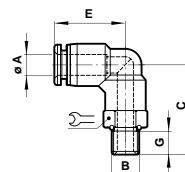
## Stem Elbow

Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	F
C00430400	4	4	28,5	19	22
C00430600	6	6	31,5	20,5	24
C00430800	8	8	34,5	23	26
C00431000	10	10	38	24	28
C00431200	12	12	41	28	30
C00431600	16	16	48,5	32	35



## 90° Swivel Elbow Adaptor (female)

Model	O/D Tube (ØA)	Metric & BSPT Thread (B)	C	E	G	Wrench
C02480405	4	M5	21,5	18,5	4,5	10
C02480406	4	M6	21,5	18,5	4,5	10
C01480418	4	R1/8	22,5	18,5	9	14
C01480428	4	R1/4	24,5	18,5	11	17
C02480605	6	M5	23,5	20,5	4,5	12
C02480606	6	M6	23,5	20,5	4,5	12
C01480618	6	R1/8	24,5	20,5	9	14
C01480628	6	R1/4	26,5	20,5	11	17
C01480638	6	R3/8	27,5	20,5	12	22
C01480818	8	R1/8	26	23	9	14
C01480828	8	R1/4	28	23	11	17
C01480838	8	R3/8	29	23	12	22
C01481028	10	R1/4	28,5	23,5	11	17
C01481038	10	R3/8	29,5	23,5	12	22
C01481048	10	R1/2	31,5	23,5	14	24
C01481228	12	R1/4	31,5	27,5	11	19
C01481238	12	R3/8	32,5	27,5	12	22
C01481248	12	R1/2	34,5	27,5	14	24



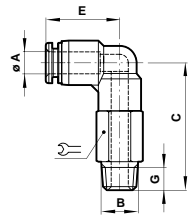
## 90° Swivel Elbow Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	Wrench
C02470405	4	M5	22	18,5	4,5	10
C02470406	4	M6	22	18,5	4,5	10
C02470418	4	G1/8	22,5	18,5	6	14
C02470428	4	G1/4	24,5	18,5	8	17
C02470438	4	G3/8	24,5	18,5	8	20
C02470605	6	M5	24	20,5	4,5	12
C02470606	6	M6	24	20,5	4,5	12
C02470618	6	G1/8	24,5	20,5	6	14
C02470628	6	G1/4	26,5	20,5	8	17
C02470638	6	G3/8	26,5	20,5	9	20
C02470818	8	G1/8	26	23	8	14
C02470828	8	G1/4	28	23	8	17
C02470838	8	G3/8	28	23	9	20
C02470848	8	G1/2	29	23	10	24
C02471018	10	G1/8	26,5	23,5	6	17
C02471028	10	G1/4	28,5	23,5	8	17
C02471038	10	G3/8	28,5	23,5	9	20
C02471048	10	G1/2	29,5	23,5	10	24
C02471228	12	G1/4	32,5	27,5	8	19
C02471238	12	G3/8	32,5	27,5	9	20
C02471248	12	G1/2	32,5	27,5	10	24
C02471638	16	G3/8	41	32,5	9	24
C02471648	16	G1/2	42	32,5	10	24



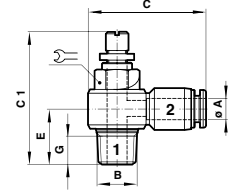
## PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



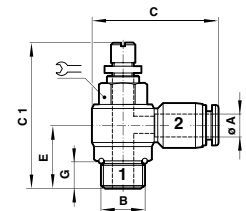
90° Swivel Elbow Adaptor (extended)

Model	O/D Tube (ØA)	Metric & BSPT Thread (B)	C	E	G	
C02540405	4	M5	33,5	18,5	4,6	10
C02540406	4	M6	33	18,5	4,6	10
C01540418	4	R1/8	35,5	18,5	8	10
C01540428	4	R1/4	37,5	18,5	10	14
C01540438	4	R3/8	38,5	18,5	11	17
C02540605	6	M5	38	20,5	4,5	12
C02540606	6	M6	37,5	20,5	4,5	12
C01540618	6	R1/8	40	20,5	8	12
C01540628	6	R1/4	42	20,5	10	14
C01540638	6	R3/8	43	20,5	11	17
C01540648	6	R1/2	46	20,5	14	21
C01540818	8	R1/8	44	23	8	14
C01540828	8	R1/4	46	23	10	14
C01540838	8	R3/8	47	23	11	17
C01540848	8	R1/2	50	23	14	21
C01541018	10	R1/8	47,5	23,5	8	17
C01541028	10	R1/4	49,5	23,5	10	17
C01541038	10	R3/8	50,5	23,5	11	17
C01541048	10	R1/2	53,5	23,5	14	21
C01541218	12	R1/8	54	27,5	8	19
C01541228	12	R1/4	56	27,5	10	19
C01541238	12	R3/8	57	27,5	11	19
C01541248	12	R1/2	60	27,5	14	21
C01541638	16	R3/8	69	32,5	11	24
C01541648	16	R1/2	72	32,5	14	24



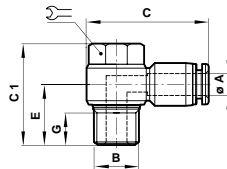
Banjo Flow Control (out)

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1 min.	max. E	G		
C0TA00418	4	R1/8	30,5	35	40	14,5	8	11
C0TA00428	4	R1/4	34,5	40	45,5	18	10	15
C0TA00618	6	R1/8	31	35	31	14,5	8	11
C0TA00628	6	R1/4	35	40	45,5	18	10	15
C0TA00638	6	R3/8	38,5	46,5	55	21	11	19
C0TA00818	8	R1/8	33	35	40	15,5	8	11
C0TA00828	8	R1/4	37	40	45,5	19	10	15
C0TA00838	8	R3/8	40	46,5	55	21	11	19
C0TA00848	8	R1/2	46	53	60	25	14	24
C0TA01028	10	R1/4	39	40	45,5	20	10	15
C0TA01038	10	R3/8	42	46,5	55	22,5	11	19
C0TA01048	10	R1/2	47,5	53	60	25	14	24
C0TA01228	12	R1/4	41	40	45,5	22	10	15
C0TA01238	12	R3/8	46	46,5	55	23	11	19
C0TA01248	12	R1/2	50	53	60	27	14	24



Banjo Flow Control (out)

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	C1 min.	max. E	G		
C0K510305	3	M5	21,5	27	30	9,5	3,5	8
C0K510405	4	M5	25	27	30	10	3,5	8
C0K510418	4	G1/8	30,5	35	40	15	6	8
C0K510428	4	G1/4	34,5	40	45,5	17	8	12
C0K510605	6	M5	28	27	30	11	3,5	8
C0K510618	6	G1/8	31	35	40	15	6	8
C0K510628	6	G1/4	35	40	45,5	17	8	12
C0K510638	6	G3/8	38,5	46,5	55	21	8	14
C0K510818	8	G1/8	33	35	40	14	6	8
C0K510828	8	G1/4	37	40	45,5	16	8	12
C0K510838	8	G3/8	40	46,5	55	21	8	14
C0K510848	8	G1/2	46	53	60	22,5	9	17
C0K511028	10	G1/4	39	40	45,5	18	8	12
C0K511038	10	G3/8	42	46,5	55	19,5	8	14
C0K511048	10	G1/2	47,5	53	60	22,5	9	17
C0K511228	12	G1/4	41	40	45,5	20	8	12
C0K511238	12	G3/8	46	46,5	55	19	8	14
C0K511248	12	G1/2	50	53	60	21	9	17

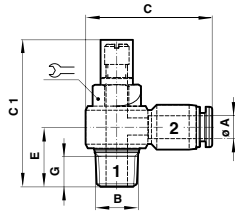


Banjo


Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	C1	E	G	
C0A510405	4	M5	25	18	10	3,5	8
C0A510418	4	G1/8	30,5	25	14,5	11	8
C0A510428	4	G1/4	34,5	29	16,5	10	12
C0A510605	6	M5	18	28	11	3,5	8
C0A510618	6	G1/8	31	25	14,5	8	8
C0A510628	6	G1/4	35	29	16,5	10	12
C0A510638	6	G3/8	38,5	32,5	20,5	11	14
C0A510818	8	G1/8	33	25	13,5	8	8
C0A510828	8	G1/4	37	29	16	10	12
C0A510838	8	G3/8	40	32,5	20,5	11	14
C0A510848	8	G1/2	46	39,5	23	14	17
C0A511028	10	G1/4	39	29	15,5	10	12
C0A511038	10	G3/8	42	32,5	19,5	11	14
C0A511048	10	G1/2	47,5	39,5	23	14	17
C0A511238	12	G3/8	46	32,5	18,5	11	14
C0A511248	12	G1/2	50	39,5	21,5	14	17

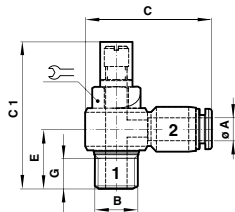
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube




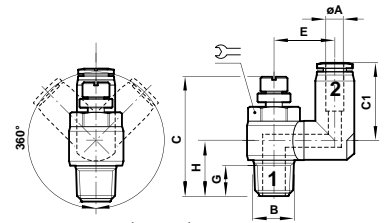
Shrouded Banjo (out)

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	E	G	
C0TB00418	4	R1/8	30,5	31,5	15	8	11
C0TB00428	4	R1/4	34,5	37	18,5	10	15
C0TB00618	6	R1/8	31	31,5	15	8	11
C0TB00628	6	R1/4	35	37	18,5	10	15
C0TB00638	6	R3/8	38,5	43,5	22	11	19
C0TB00818	8	R1/8	33	31,5	16,5	8	11
C0TB00828	8	R1/4	37	37	19,5	10	15
C0TB00838	8	R3/8	40	43,5	22	11	19
C0TB00848	8	R1/2	46	50	26,5	14	24
C0TB01028	10	R1/4	39	37	21	10	15
C0TB01038	10	R3/8	42	43,5	23,5	11	19
C0TB01048	10	R1/2	47,5	50	26,5	14	24
C0TB01228	12	R1/4	41	37	22,5	10	15
C0TB01238	12	R3/8	46	43,5	24	11	19
C0TB01248	12	R1/2	50	50	28	14	24




Swivel Banjo Flow Control (out)

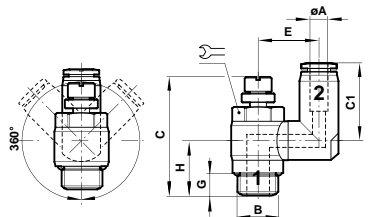
Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	C1	E	G	
C0KB00405	4	M5	25	23	10,5	3,5	8
C0KB00418	4	G1/8	30,5	31,5	15	6	8
C0KB00428	4	G1/4	34,5	37	17,5	8	12
C0KB00605	6	M5	28	23	11,5	3,5	8
C0KB00618	6	G1/8	31	31,5	15	6	8
C0KB00628	6	G1/4	35	37	17,5	8	12
C0KB00638	6	G3/8	38,5	43,5	21	8	14
C0KB00818	8	G1/8	33	31,5	14	6	8
C0KB00828	8	G1/4	37	37	17	8	12
C0KB00838	8	G3/8	40	43,5	21	8	14
C0KB00848	8	G1/2	46	50	23	9	17
C0KB01028	10	G1/4	39	37	19	8	12
C0KB01038	10	G3/8	42	43,5	20	8	14
C0KB01048	10	G1/2	47,5	50	23	9	17
C0KB01228	12	G1/4	41	37	20,5	8	12
C0KB01238	12	G3/8	46	43,5	19	8	14
C0KB01248	12	G1/2	50	50	21,5	9	17




Swivel Banjo Flow Control (out)

Model	O/D Tube (ØA)	BSPT Thread (B)	C *1)	C1	E	G	H	
C0T560418	4	R1/8	35/40	20,5	14,5	8	15	11
C0T560428	4	R1/4	40/45,5	20,5	18	10	18,5	15
C0T560618	6	R1/8	35/40	24	15,5	8	15	11
C0T560628	6	R1/4	40/45,5	26	20,5	10	18,5	15
C0T560638	6	R3/8	47/55	26	23,5	11	21,5	19
C0T560818	8	R1/8	35/40	25,5	16	8	15,5	11
C0T560828	8	R1/4	40/45,5	29	19,5	10	18,5	15
C0T560838	8	R3/8	47/55	30	24,5	11	22	19
C0T561028	8	R1/2	53/60	30	26,5	14	26	24
C0T561038	10	R1/4	40/45,5	31	20,5	10	18,5	15
C0T561048	10	R3/8	47/55	32	24,5	11	22	19
C0T561048	10	R1/2	53/60	33	26,5	14	26,5	24
C0T561228	12	R1/4	40/45,5	33,5	22	10	18,5	15
C0T561238	12	R3/8	47/55	34,5	24,5	11	22	19
C0T561248	12	R1/2	53/60	36	26,5	14	26,5	24

\*1) min/max



Swivel Banjo Flow Control (out)

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C *1)	C1	E	G	H	
C0K560405	4	M5	27/30	20,5	12,5	3,6	9,5	8
C0K560418	4	G1/8	35/40	20,5	14,5	8	15,5	8
C0K560428	4	G1/4	40/45,5	20,5	18	12	17,5	12
C0K560605	6	M5	27/30	22,5	13,5	3,6	9,5	8
C0K560618	6	G1/8	35/40	24	15,5	8	15,5	8
C0K560628	6	G1/4	40/45,5	26	20,5	12	17,5	12
C0K560638	6	G3/8	47/55	26	23,5	14	21,5	14
C0K560818	8	G1/8	35/40	25,5	16	8	14,5	8
C0K560828	8	G1/4	40/45,5	28,8	19,5	12	17,5	12
C0K560838	8	G3/8	47/55	30	24,5	14	21	14
C0K561028	8	G1/2	53/60	30	26,5	17	23	17
C0K561038	10	G1/4	40/45,5	31	20,5	12	17,5	12
C0K561048	10	G3/8	47/55	32	24,5	14	21	14
C0K561048	10	G1/2	53/60	33	26,5	17	23	17
C0K561228	12	G1/4	40/45,5	33,5	22	12	17,5	12
C0K561238	12	G3/8	47/55	34,5	24,5	14	21	14
C0K561248	12	G1/2	53/60	36	26,5	17	23	17

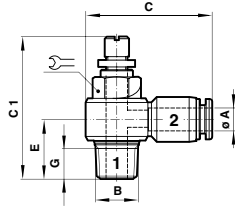
\*1) min/max

FITTINGS, TUBING & ACCESSORIES

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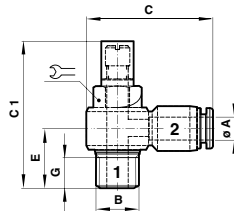
## PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



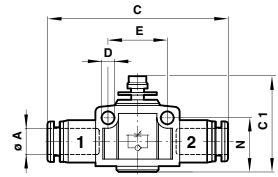
### Banjo Flow Control (in)

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1 min.	C1 max.	E	G	
COSA00418	4	R1/8	30,5	35	40	14,5	8	11
COSA00428	4	R1/4	34,5	40	45,5	18	10	15
COSA00618	6	R1/8	31	35	40	14,5	8	11
COSA00628	6	R1/4	35	40	45,5	18	10	15
COSA00638	6	R3/8	39	46,5	55	21	11	19
COSA00818	8	R1/8	33	35	40	15,5	8	11
COSA00828	8	R1/4	37	40	45,5	19	10	15
COSA00838	8	R3/8	40	46,5	55	21	11	19
COSA00848	8	R1/2	46	53	60	25	14	24
COSA01028	10	R1/4	39	40	45,5	20	10	15
COSA01038	10	R3/8	42	46,5	55	22,5	11	19
COSA01048	10	R1/2	47,5	53	60	25	14	24
COSA01228	12	R1/4	41	40	45,5	22	10	15
COSA01238	12	R3/8	46	46,5	55	23	11	19
COSA01248	12	R1/2	50	53	60	27	14	24



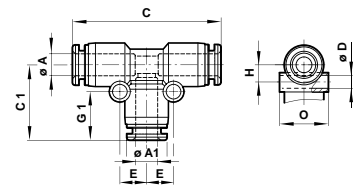
### Banjo Flow Control (in)

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	C1 min.	C1 max.	E	G	
COL510305	3	M5	21,5	27	30	9,5	3,5	8
COL510405	4	M5	25	27	30	10	3,5	8
COL510418	4	G1/8	30,5	35	40	15	6	8
COL510428	4	G1/4	34,5	40	45,5	17	8	12
COL510605	6	M5	28	27	30	11	3,5	8
COL510618	6	G1/8	31	35	40	15	6	8
COL510628	6	G1/4	35	40	45,5	17	8	12
COL510638	6	G3/8	39	46,5	55	21	8	14
COL510818	8	G1/8	33	35	40	14	6	8
COL510828	8	G1/4	37	40	45,5	16	8	12
COL510838	8	G3/8	40	46,5	55	21	8	14
COL510848	8	G1/2	46	53	60	22,5	9	17
COL511028	10	G1/4	39	40	45,5	18	8	12
COL511038	10	G3/8	42	46,5	55	19,5	8	14
COL511048	10	G1/2	47,5	53	60	22,5	9	17
COL511228	12	G1/4	41	40	45,5	20	8	12
COL511238	12	G3/8	46	46,5	55	19	8	14
COL511248	12	G1/2	50	53	60	21	9	17



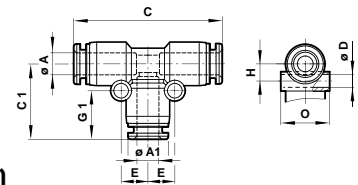
### In-Line Flow Control

Model	O/D Tube (ØA)	C	C1 min.	C1 max.	D	E	N
C00GE0400	4	45	30	33	3,3	15	13,5
C00GE0600	6	50	35	39,5	4,4	20,5	17,5
C00GE0800	8	55,5	37,5	42	4,4	23	20
C00GE1000	10	61	44	49	4,4	28	23
C00GE1200	12	70	47,5	53,5	4,4	32	25,5



### Union Tee

Model	O/D Tube (ØA)	ØA1	C	C1	ØD	E	G1	H	O
C00600400	4	4	36,5	19	3,3	6,5	12,5	8,5	10,5
C00600600	6	6	42	21,5	3,3	7,5	13,5	7,5	12,5
C00600800	8	8	45	23,5	4,3	9	15	9	14,5
C00601000	10	10	48	25,5	4,3	10	15,5	11	17,5
C00601200	12	12	57	29,5	4,3	13	16,5	12,5	20,5
C00601600	16	16	68	34,5	4,3	16	18	16	25,5

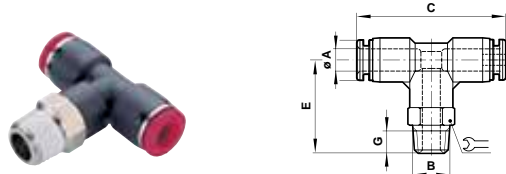


### Union Tee (unequal)


Model	O/D Tube (ØA)	ØA1	C	C1	ØD	E	G1	H	O
C006A0604	6	4	41,5	19	3,3	7	12,5	8	12,5
C006A0806	8	6	45	22	4,3	8,5	13,5	9,5	15
C006A1006	10	6	49	23	4,3	8,5	13,5	11	17,5
C006A1008	10	8	49	25	4,3	9,5	15	11	17,5
C006A1208	12	8	56	25,5	4,3	9,5	15	12,5	20,5
C006A1210	12	10	56	27,5	4,3	11	15,5	12,5	20,5
C006A1610	16	10	61	30,5	4,3	11,5	15,5	16	25,5
C006A1612	16	12	63,5	33	4,3	13	16,5	16	25,5

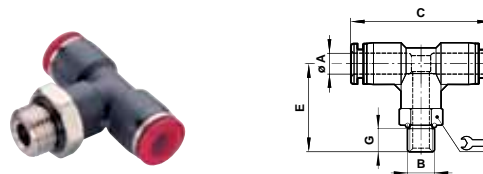
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube




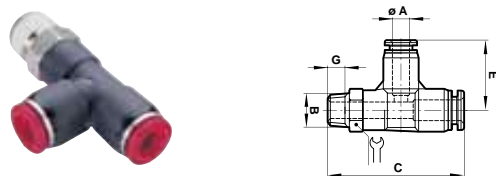
Swivel Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	
C01670418	4	R1/8	37,5	24,5	8	10
C01670428	4	R1/4	37,5	26,5	10	14
C01670438	4	R3/8	37,5	27,5	11	17
C01670618	6	R1/8	41	26,5	8	12
C01670628	6	R1/4	41	29,5	10	14
C01670638	6	R3/8	41	30,5	11	17
C01670648	6	R1/2	41	33,5	14	21
C01670818	8	R1/8	44	28	8	14
C01670828	8	R1/4	44	31	10	14
C01670838	8	R3/8	44	32	11	17
C01670848	8	R1/2	44	35	14	21
C01671018	10	R1/8	47	28,5	8	17
C01671028	10	R1/4	47	32	10	17
C01671038	10	R3/8	47	32,5	11	17
C01671048	10	R1/2	47	35,5	14	21
C01671218	12	R1/8	55	32,5	8	19
C01671228	12	R1/4	55	34,5	10	19
C01671238	12	R3/8	55	35,5	11	19
C01671248	12	R1/2	55	38,5	14	21
C01671638	16	R3/8	64,5	43	11	24
C01671648	16	R1/2	64,5	46	14	24




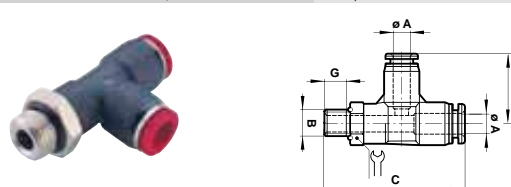
Swivel Tee Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	
C02670405	4	M5	37,5	22	4,5	10
C02670406	4	M6	37,5	22	4,5	10
C02670418	4	G1/8	37,5	22	6	14
C02670428	4	G1/4	37,5	24	8	17
C02670438	4	G3/8	37,5	24	8	20
C02670605	6	M5	41	24	4,5	12
C02670606	6	M6	41	24	4,5	12
C02670618	6	G1/8	41	24,5	6	14
C02670628	6	G1/4	41	26,5	8	17
C02670638	6	G3/8	41	27,5	9	20
C02670648	6	G1/2	41	28,5	9	24
C02670818	8	G1/8	44,5	26	6	14
C02670828	8	G1/4	44,5	28	8	17
C02670838	8	G3/8	44,5	29	9	20
C02670848	8	G1/2	44,5	30	10	24
C02671018	10	G1/8	47	26,5	6	17
C02671028	10	G1/4	47	28,5	8	17
C02671038	10	G3/8	47	29,5	9	20
C02671048	10	G1/2	47	30,5	10	24
C02671228	12	G1/4	55	31,5	8	19
C02671238	12	G3/8	55	32,5	9	20
C02671248	12	G1/2	55	33,5	10	24
C02671638	16	G3/8	64,5	40	9	24
C02671648	16	G1/2	64,5	41	10	24




Swivel Side Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	
C01680418	4	R1/8	45	20	8	10
C01680428	4	R1/4	48	20	10	14
C01680438	4	R3/8	49	20	11	17
C01680618	6	R1/8	48,5	21,5	8	12
C01680628	6	R1/4	51	21,5	10	14
C01680638	6	R3/8	52	21,5	11	17
C01680648	6	R1/2	55	21,5	14	21
C01680818	8	R1/8	52	23,5	8	14
C01680828	8	R1/4	55	23,5	10	14
C01680838	8	R3/8	56	23,5	11	17
C01680848	8	R1/2	59	23,5	14	21
C01681018	10	R1/8	55,5	25,5	8	17
C01681028	10	R1/4	58,5	25,5	10	17
C01681038	10	R3/8	59,5	25,5	11	17
C01681048	10	R1/2	62,5	25,5	14	21
C01681218	12	R1/8	63	30	8	19
C01681228	12	R1/4	65	30	10	19
C01681238	12	R3/8	66	30	11	19
C01681248	12	R1/2	69	30	14	21

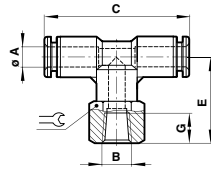


Swivel Side Tee Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	
C02680405	4	M5	42	20	4,5	10
C02680406	4	M6	42	20	4,5	10
C02680418	4	G1/8	43	20	6	14
C02680428	4	G1/4	45	20	8	17
C02680438	4	G3/8	45	20	8	20
C02680605	6	M5	46	21,5	4,5	12
C02680606	6	M6	46	21,5	4,5	12
C02680618	6	G1/8	47	21,5	6	14
C02680628	6	G1/4	49	21,5	8	17
C02680638	6	G3/8	50	21,5	9	20
C02680818	8	G1/8	50	23,5	6	14
C02680828	8	G1/4	52	23,5	8	17
C02680838	8	G3/8	56	23,5	9	20
C02680848	8	G1/2	54	23,5	10	24
C02681018	10	G1/8	54	25,5	6	17
C02681028	10	G1/4	56	25,5	8	17
C02681038	10	G3/8	57	25,5	9	20
C02681048	10	G1/2	58	25,5	10	24
C02681228	12	G1/4	62	30	8	19
C02681238	12	G3/8	63	30	9	20
C02681248	12	G1/2	64	30	10	24

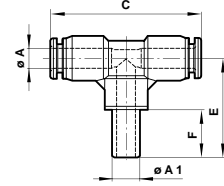
## PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



### Swivel Tee Adaptor (female)

Model	O/D Tube (ØA)	Metric & BSPT Thread (B)	C	E	G	
C026C0405	4	M5	37,5	17	8	10
C026C0406	4	M6	37,5	17	8	10
C016C0418	4	R1/8	38	17	9	14
C016C0428	4	R1/4	38	17	11	17
C026C0605	6	M5	41	17,5	8	12
C026C0606	6	M6	41	17,5	8	12
C016C0618	6	R1/8	41	17,5	9	14
C016C0628	6	R1/4	41	17,5	11	17
C016C0638	6	R3/8	41	17,5	12	22
C016C0818	8	R1/8	44,5	18,5	9	14
C016C0828	8	R1/4	44,5	18,5	11	17
C016C0838	8	R3/8	44,5	18,5	12	22
C016C0848	8	R1/2	44,5	18,5	14	24
C016C1018	10	R1/8	47	19,5	9	17
C016C1028	10	R1/4	47	19,5	11	17
C016C1038	10	R3/8	47	19,5	12	22
C016C1048	10	R1/2	47	19,5	14	24
C016C1228	12	R1/4	55	22	11	19
C016C1238	12	R3/8	55	22	12	22
C016C1248	12	R1/2	55	22	14	24

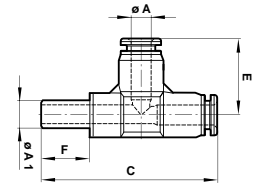


### Stem Tee

EQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	F
C00630400	4	4	37,5	32,5	24
C00630600	6	6	41	34,5	25
C00630800	8	8	44,5	36	26
C00631000	10	10	47	37,5	28
C00631200	12	12	55	39	30

UNEQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	F
C00630604	4	6	37,5	33,5	25
C00630806	6	8	41	35,5	28
C00631008	8	10	44,5	38,5	28
C00631210	10	12	47	39,5	30

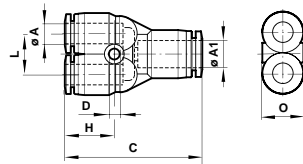


### Stem Side Tee

EQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	F
C00640400	4	4	58	20,5	17
C00640600	6	6	52,5	21,5	17,5
C00640800	8	8	67	23,5	18,5
C00641000	10	10	73	25,5	19,5
C00641200	12	12	82	30	22

UNEQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	F
C00640604	4	6	59	20	17
C00640806	6	8	63,5	21,5	17,5
C00641008	8	10	69,5	23,5	18,5
C00641210	10	12	75	25,5	19,5



### Union Y

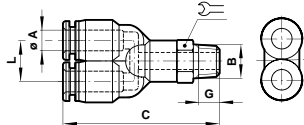
EQUAL							
Model	O/D Tube (ØA)	ØA1	C	D	H	L	O
C00820400	4	4	37	3,3	14,5	10,5	10,5
C00820600	6	6	40	3,3	16,5	12,5	12,5
C00820800	8	8	43	4,3	18,5	14,5	14,5
C00821000	10	10	47,5	4,3	19	17,5	17,5
C00821200	12	12	53	4,3	22	20,5	20,5

UNEQUAL							
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	D	H	L	O
C00820604	4	6	38	3,3	15	10,5	10,5
C00820804	4	8	39,5	3,3	15	10,5	15
C00821006	6	10	43	3,3	16,5	13	17,5
C00821008	8	10	43	4,3	17	14,5	15
C00821208	8	12	48	3,3	17,5	15	21
C00821210	10	12	46,5	4,3	18,5	17,5	18

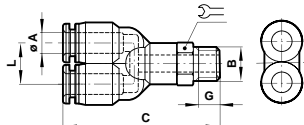
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



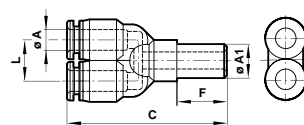
## Swivel Y Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	G	L	
C01880418	4	R1/8	41,5	8	10,5	10
C01880428	4	R1/4	42,5	10	10,5	14
C01880438	4	R3/8	43,5	11	10,5	17
C01880618	6	R1/8	44	8	12,5	12
C01880628	6	R1/4	47	10	12,5	14
C01880638	6	R3/8	48	11	12,5	17
C01880648	6	R1/2	51	14	12,5	21
C01880818	8	R1/8	45,5	8	14,5	14
C01880828	8	R1/4	48,5	10	14,5	14
C01880838	8	R3/8	48,5	11	14,5	17
C01880848	8	R1/2	52,5	14	14,5	21
C01881018	10	R1/8	49	8	17,5	17
C01881028	10	R1/4	52	10	17,5	17
C01881038	10	R3/8	53	11	17,5	17
C01881048	10	R1/2	56,2	14	17,5	21
C01881218	12	R1/8	52,5	3	20,5	19
C01881228	12	R1/4	54,5	8	20,5	19
C01881238	12	R3/8	55,5	11	20,5	19
C01881248	12	R1/2	58,5	14	20,5	21



## Swivel Y Adaptor

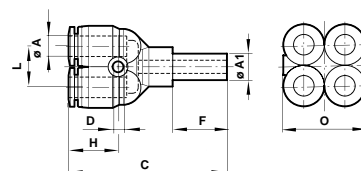
Model	O/D Tube (ØA)	BSPP Thread (B)	C	G	L	
C02880405	4	M5	35	4,5	10,5	10
C02880406	4	M6	35	4,5	10,5	10
C02880418	4	G1/8	41	6	10,5	14
C02880428	4	G1/4	43	8	10,5	17
C02880438	4	G3/8	43	8	10,5	20
C02880605	6	M5	41,5	4,5	12,5	12
C02880606	6	M6	41,5	4,5	12,5	12
C02880618	6	G1/8	42,5	6	12,5	14
C02880628	6	G1/4	44,5	8	12,5	17
C02880638	6	G3/8	45,5	9	12,5	20
C02880648	6	G1/2	46,5	10	12,5	24
C02880818	8	G1/8	43,5	6	14,5	14
C02880828	8	G1/4	45,5	8	14,5	17
C02880838	8	G3/8	46,5	9	14,5	20
C02880848	8	G1/2	47,5	10	14,5	24
C02881018	10	G1/8	49,5	6	17,5	17
C02881028	10	G1/4	51,5	8	17,5	17
C02881038	10	G3/8	52,5	9	17,5	20
C02881048	10	G1/2	53,5	10	17,5	24
C02881228	12	G1/4	55	8	20,5	19
C02881238	12	G3/8	56	9	20,5	20
C02881248	12	G1/2	57	10	20,5	24



## Stem Y

EQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	F	L
C00840400	4	4	49,5	22	10,5
C00840600	6	6	54,5	24	12,5
C00840800	8	8	60	26	14,5
C00841000	10	10	66	28	17,5
C00841200	12	12	71,5	30	20,5

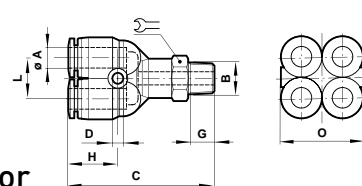
UNEQUAL					
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	F	L
C00840604	4	6	51,5	24	10,5
C00840806	6	8	56,5	26	12,5
C00841008	8	10	62	28	14,5
C00841210	10	12	68	30	17,5



## Quadruple Reducer

Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	ØD	F	H	L	O
C00970604	4	6	43,5	3,3	17	14	12,5	21
C00970806	6	8	48	3,3	19	15,5	14,5	25,5

Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	ØD	H	L	O
C00960604	4	6	37	3,3	14	10,5	21
C00960806	6	8	40,5	3,3	15,5	12,5	25,5



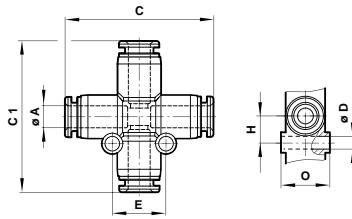
## Quadruple Y Adaptor

Model	O/D Tube (ØA)	Metric, BSPP & BSPT Thread (B)	C	ØD	G	H	L	O	
C01950418	4	R1/8	44	3,3	8	14	10,5	21	12
C01950428	4	R1/4	48	3,3	10	14	10,5	21	14
C01950618	6	R1/8	48	3,3	8	15,5	12,5	25,5	14
C01950628	6	R1/4	51	3,3	10	15,5	12,5	25,5	14
C02950418	4	G1/8	46	3,3	5	14	10,5	21	14
C02950428	4	G1/4	49	3,3	6,5	14	10,5	21	17
C02950618	6	G1/8	49	3,3	6,5	15,5	12,5	25,5	14
C02950628	6	G1/4	52	3,3	8	15,5	12,5	25,5	17



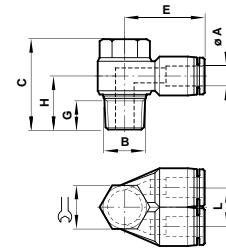
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



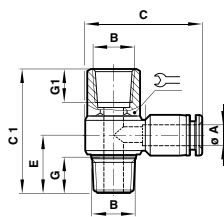
Union Cross

Model	O/D Tube (ØA)	C	C1	ØD	E	H	O
C00900400	4	36,5	38	3,3	13	6,5	10,5
C00900600	6	42	42,5	4,3	15	7,5	12,5
C00900800	8	45	47	4,3	18	9	14,5
C00901000	10	48	50,5	4,3	20	10	17,5
C00901200	12	55	57	4,3	24	12	20,5



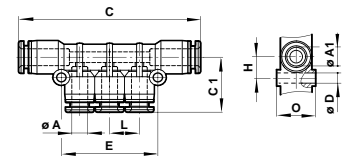
Twin Banjo

Model	O/D Tube (ØA)	Metric & BSPP & BSPT Thread (B)	C	E	G	H	L
CON700618	6	R1/8	25	23	8	14,5	12,5
CON700828	8	R1/4	29	28,5	10	18,5	15
CON701028	10	R1/4	29	31	10	19,5	17,5
CON701038	10	R3/8	32,5	31	11	20,5	17,5
CON701238	12	R3/8	32,5	36	11	22	20,5
CON701248	12	R1/2	39,5	36,5	14	25,5	20,5
COA700405	4	M5	18	19,5	3,6	10	10,5
COA700618	6	G1/8	23,5	23	4,5	14	12,5
COA700828	8	G1/4	28	28,5	6	17,5	15
COA701028	10	G1/4	28	31	6	19	17,5
COA701038	10	G3/8	32,5	31	6	21	17,5
COA701238	12	G3/8	32,5	36	6	22,5	20,5
COA701248	12	G1/2	34	36,5	7,5	23	20,5



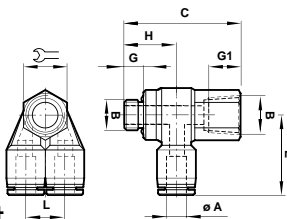
Banjo with Top Port

Model	O/D Tube (ØA)	Metric & BSPT Thread (B)	C	C1	E	G	G1
C0D510405	4	M5	25	20	10	3,5	6
C0E510418	4	R1/8	30,5	30	14,5	9	8
C0F510428	4	R1/4	34,5	35,5	18	11	10
C0D510605	6	M5	28	20	11	3,5	6
C0E510618	6	R1/8	31	30	14,5	9	8
C0F510628	6	R1/4	35	35,5	18	11	10
C0G510638	6	R3/8	38,5	41	21	12	11
C0E510818	8	R1/8	33	30	15,5	9	8
C0F510828	8	R1/4	38	35,5	19	11	10
C0G510838	8	R3/8	40	41	21	12	11
C0F511028	10	R1/4	39	35,5	20	11	10
C0G511038	10	R3/8	42	41	22,5	12	11
C0G511238	12	R3/8	46	41	23	12	11



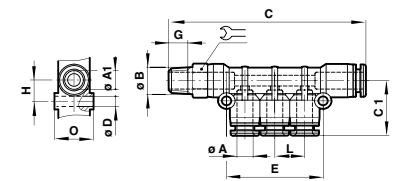
Manifold Union

Model	O/D Tube Outlet (ØA)	O/D Tube Inlet (ØA1)	C	C1	D	E	H	L	O
C00D30604	4	6	63,5	18	3,3	34	7,5	10,5	12,5
C00D30804	4	8	65,5	21,5	4,3	35	9	10,5	14,5
C00D30806	6	8	71,5	22,5	4,3	41	9,5	12,5	14,5
C00D31006	6	10	78	23,5	4,3	42	9,5	12,5	17,5
C00D31008	8	10	83,5	26	4,3	47	9,5	14,5	17,5



Twin Banjo with Top Port

Model	O/D Tube (ØA)	Metric & BSPP & BSPT Thread (B)	C	E	G	G1	H	L
C0D7K0405	4	M5	20	19,5	3,5	7	10	10,5
C0E7K0618	6	G1/8	30	23	8	8	14	12,5
C0F7K0828	8	G1/4	35,5	27	10	10	17,5	14,5
C0F7K1028	10	G1/4	35,5	28	10	10	17,5	17,5
C0G7K1038	10	G3/8	41	30	11	11	17,5	17,5
C0G7K1238	12	G3/8	41	33	11	11	17,5	20,5
C0H7K1248	12	G1/2	50	35	14	14	20	20,5
C0E7J0618	6	R1/8	30	23	8	8	14,5	12,5
C0F7J0828	8	R1/4	35,5	28,5	10	10	18,5	15
C0F7J1028	10	R1/4	35,5	31	10	10	19,5	17,5
C0G7J1038	10	R3/8	41	31	11	11	20,5	17,5
C0G7J1238	12	R3/8	41	36	11	11	22	20,5
C0H7J1248	12	R1/2	50	36,5	14	14	25,5	20,5



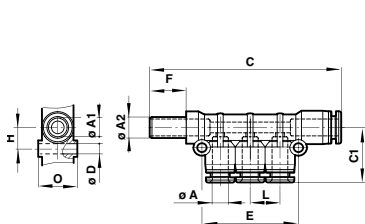
Adaptor Manifold

Model	O/D Tube (ØA)	O/D Stem (ØA1)	BSPT Thread (B)	C	C1	D	E	G	H	L	O
C01D30418	4	6	R1/8	72	24	3,3	34	8	7,5	10,5	12,5
C01D30428	4	8	R1/8	74	28,5	4,3	35	8	9	10,5	14,5
C01D30628	6	8	R1/4	82,5	34	4,3	41	10	9,5	12,5	14,5
C01D30838	8	10	R3/8	95	34,5	4,3	47	10	9,5	14,5	17,5



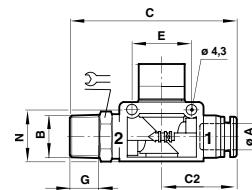
# PNEUFIT C COMPOSITE FITTINGS

Metric Ø 3 ... 16 mm O/D tube



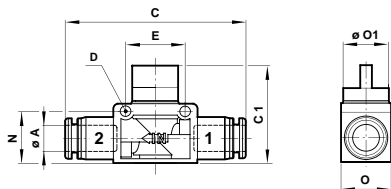
## Stem Manifold

Model	O/D Tube (ØA)	O/D Stem (ØA1)	ØA2	C	C1	ØD	E	F	H	L	O
C00J30604	4	6	6	84,5	24	3,3	34	25	7,5	10,5	12,5
C00J30804	4	8	8	89,5	28,5	4,3	35	28,5	9	10,5	14,5
C00J30806	6	8	8	95,5	34	4,3	41	28,5	9,5	12,5	14,5
C00J31008	8	10	10	109,5	34,5	4,3	47	31	9,5	14,5	17,5



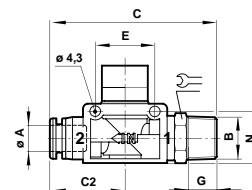
## Hand Valve Tube to Thread

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	C2	E	G	N	O	O1	
C01GH0618	6	R1/8	62	40,5	26	19	8	18,5	18	16,5	14
C01GH0628	6	R1/4	65	40,5	26	19	10	18,5	18	16,5	14
C01GH0638	6	R3/8	66	40,5	26	19	11	18,5	18	16,5	17
C01GH0818	8	R1/8	63	40,5	27,5	19	8	18,5	18	16,5	14
C01GH0828	8	R1/4	66	40,5	27,5	19	10	18,5	18	16,5	14
C01GH0838	8	R3/8	67	40,5	27,5	19	11	18,5	18	16,5	17
C01GH1028	10	R1/4	67	41	31	24	10	21,5	21	19,5	17
C01GH1038	10	R3/8	71,5	41	31	24	11	21,5	21	19,5	17
C01GH1048	10	R1/2	74,5	41	31	24	14	21,5	21	19,5	21
C01GH1228	12	R1/4	75,5	41	34	24	10	21,5	21	19,5	19
C01GH1238	12	R3/8	76,5	41	34	24	11	21,5	21	19,5	19
C01GH1248	12	R1/2	79,5	41	34	24	14	21,5	21	19,5	21



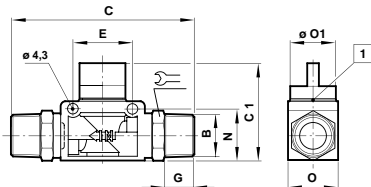
## Hand Valve Tube to Tube

Model	O/D Tube (ØA)	C	C1	ØD	E	N	O	ØO1
C00GF0600	6	52,5	40,5	4,3	19	18,5	18	16,5
C00GF0800	8	53	40,5	4,3	19	18,5	18	16,5
C00GF1000	10	62	41	4,3	24	21,5	21	19,5
C00GF1200	12	68,5	41	4,3	24	21,5	21	19,5



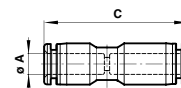
## Hand Valve Thread to Tube

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	C2	E	G	N	O	O1	
C01GJ0618	6	R1/8	62	40,5	26	19	8	18,5	18	16,5	14
C01GJ0628	6	R1/4	65	40,5	26	19	10	18,5	18	16,5	14
C01GJ0638	6	R3/8	66	40,5	26	19	11	18,5	18	16,5	17
C01GJ0818	8	R1/8	65	40,5	27,5	19	8	18,5	18	16,5	14
C01GJ0828	8	R1/4	66	40,5	27,5	19	10	18,5	18	16,5	14
C01GJ0838	8	R3/8	67	40,5	27,5	19	11	18,5	18	16,5	17
C01GJ1028	10	R1/4	70,5	41	31	24	10	21,5	21	19,5	17
C01GJ1038	10	R3/8	71,5	41	31	24	11	21,5	21	19,5	17
C01GJ1048	10	R1/2	74,5	41	31	24	14	21,5	21	19,5	21
C01GJ1228	12	R1/4	75,5	41	34	24	10	21,5	21	19,5	19
C01GJ1238	12	R3/8	76,5	41	34	24	11	21,5	21	19,5	19
C01GJ1248	12	R1/2	79,5	41	34	24	14	21,5	21	19,5	21



## Hand Valve Thread to Thread

Model	BSPT Thread (B)	C	C1	E	G	N	O	O1	
C01GG1818	R1/8	71	40,5	19	8	18,5	18	16,5	14
C01GG2828	R1/4	77	40,5	19	10	18,5	18	16,5	14
C01GG3838	R3/8	81	41	24	11	21,5	21	19,5	17
C01GG4848	R1/2	90	41	24	14	21,5	21	19,5	21

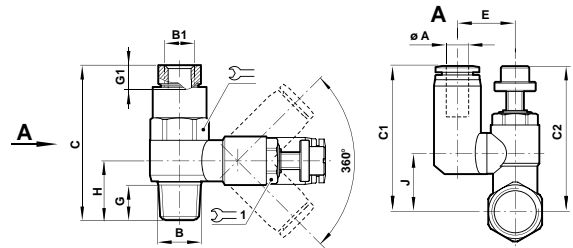


## Union Straight Self-Seal

Model	O/D Tube (ØA)	C
C002J0400	4	42
C002J0600	6	46
C002J0800	8	53,5
C002J1000	10	58
C002J1200	12	67

## PNEUFIT C COMPOSITE FITTINGS

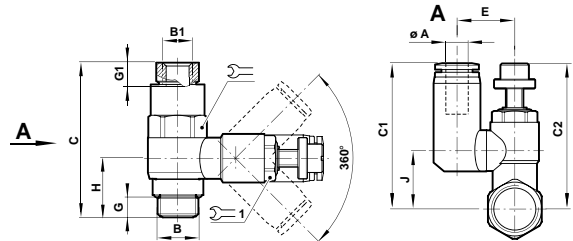
Metric Ø 3 ... 16 mm O/D tube



### Flow Control + Pilot Check

Model	O/D Tube (ØA)	BSPT Thread (B)	B1	C	C1	C2*	E	G	G1	H	J	Wrench	Wrench 1
C01GN0618	6	R1/8	M5	35,5	39	43,5/48,5	16	8	8,5	16,5	15	12	10
C01GN0628	6	R1/4	R1/8	42	44,5	55,5/60,5	19,5	10,5	8,5	18,5	18,5	17	13
C01GN0818	8	R1/8	M5	35,5	40	43,5/48,5	17,5	8	10	16,5	15	12	10
C01GN0828	8	R1/4	R1/8	42	46,5	55,5/60,5	18,5	10,5	8,5	18,5	18,5	17	13
C01GN0838	8	R3/8	R1/8	49,5	50,5	58,5/63,5	23,5	11,5	10	21,5	21,5	19	17
C01GN1038	10	R3/8	R1/8	49,5	53	58,5/63,5	23,5	11,5	10	21,5	21,5	19	17
C01GN1038	10	R1/2	R1/4	60	64,5	72/78	26,5	14,5	10	21,5	21,5	19	17
C01GN1238	12	R3/8	R1/8	49,5	55	58,5/63,5	23,5	11,5	10	21,5	21,5	19	17
C01GN1248	12	R1/2	R1/4	60	67	72/78	26,5	14,5	13,5	27,5	31,5	24	23

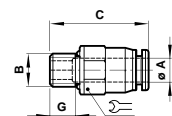
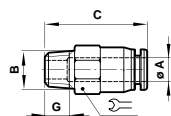
\* min/max



### Flow Control + Pilot Check

Model	O/D Tube (ØA)	BSPP Thread (B)	B1	C	C1	C2*	E	G	G1	H	J	Wrench	Wrench 1
C02GN0618	6	G1/8	M5	35,5	39	43,5/48,5	16	5	8,5	16,5	15	12	10
C02GN0628	6	G1/4	G1/8	42	44,5	55,5/60,5	19,5	6,5	9,5	18,5	18,5	17	13
C02GN0818	8	G1/8	M5	35,5	40	43,5/48,5	17,5	5	8,5	16,5	15	12	10
C02GN0828	8	G1/4	G1/8	42	46,5	55,5/60,5	18,5	6,5	9,5	18,5	18,5	17	13
C02GN0838	8	G3/8	G1/8	49,5	50,5	58,5/63,5	23,5	7	9,5	21,5	21,5	19	17
C02GN1038	10	G3/8	G1/8	49,5	53	58,5/63,5	23,5	7	9,5	21,5	21,5	19	17
C02GN1048	10	G1/2	G1/4	60	64,5	72/78	26,5	8,5	13	27,5	31,5	24	23
C02GN1238	12	G3/8	G1/8	49,5	55	58,5/63,5	23,5	7	9,5	21,5	21,5	19	17
C02GN1248	12	G1/2	G1/4	60	67	72/78	26,5	8,5	9,5	27,5	31,5	24	23

\* min/max



### Straight Self-Seal

Model	O/D Tube (ØA)	BSPT Thread (B)	C	G	Wrench
C01240418	4	R1/8	26	8	10
C01240618	6	R1/8	29	8	12
C01240628	6	R1/4	29	10	14
C01240828	8	R1/4	33,5	10	14
C01240838	8	R3/8	33,5	11	17
C01241028	10	R1/4	35,5	10	17
C01241038	10	R3/8	35,5	11	17
C01241048	10	R1/2	35,5	14	21
C01241228	12	R1/4	42	10	19
C01241238	12	R3/8	42	11	19
C01241248	12	R1/2	42	14	21

### Straight Self-Seal

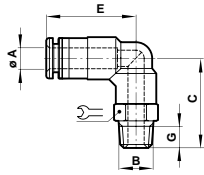
Model	O/D Tube (ØA)	BSPP Thread (B)	C	G	Wrench
C02240418	4	G1/8	25,5	5	12
C02240618	6	G1/8	28	5	12
C02240628	6	G1/4	27	6,5	15
C02240828	8	G1/4	32	6,5	15
C02240838	8	G3/8	32	6,5	17
C02241028	10	G1/4	35	6,5	17
C02241038	10	G3/8	36,5	6,5	17
C02241048	10	G1/2	37,5	8	21
C02241228	12	G1/4	43,5	6,5	19
C02241238	12	G3/8	43,5	6,5	21
C02241248	12	G1/2	44	8	21

## PNEUFIT C COMPOSITE FITTINGS

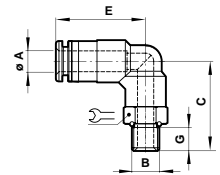
Metric  $\varnothing$  3 ... 16 mm O/D tube





Elbow Self-Seal



Elbow Self-Seal



Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	
C014J0418	4	R1/8	27	27,5	5	10
C014J0618	6	R1/8	30	32	5	12
C014J0628	8	R1/8	32	30,5	6,5	14
C014J0818	8	R1/4	34,5	41,5	6,5	14
C014J0828	8	R3/8	34	40	6,5	17
C014J1028	10	R1/4	32	26,5	6,5	17
C014J1038	10	R3/8	36	45	6,5	17
C014J1048	10	R1/2	37,5	43	8	21
C014J1238	12	R3/8	40	53,5	6,5	19
C014J1248	12	R1/2	41,5	51,5	8	21

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	
C024J0405	4	M5	20,5	29,5	4	10
C024J0418	4	G1/8	27	27,5	5	14
C024J0605	6	M5	22,5	33	4	12
C024J0618	6	G1/8	30	32	5	14
C024J0628	8	G1/8	32	30,5	6,5	14
C024J0828	8	G1/4	34,5	41,5	6,5	17
C024J0838	8	G3/8	34	40	6,5	20
C024J1028	10	G1/4	32	26,5	6,5	17
C024J1038	10	G3/8	36	45	6,5	20
C024J1048	10	G1/2	37,5	43	8	24
C024J1238	12	G3/8	40	53,5	6,5	20
C024J1248	12	G1/2	41,5	51,5	8	24

### EXPRESS PLUS

#### Pneufit C Fittings Box

6 and 8mm fittings in 21 of the most used shapes and sizes in a purpose built durable fittings box. Contact your Express Team.



# PNEUFIT PUSH-IN FITTINGS

Metric  $\varnothing$  4 to 14 mm O/D tube



Compact units featuring retained collets and positive tube anchorage

Silicone free O-ring seals

Non-PTFE based thread sealant on all BSP taper threads

Easy tube insertion for rapid assembly

Internal hexagon on straight adaptors allows assembly in confined spaces

For simple and quick assembly of pneumatic circuits

Wide range of types available.

Reliable and corrosion resistant.

## MATERIALS

**Body:** Nickel plated brass or glass filled nylon

**Collet:** Nickel plated brass

**'O' ring:** Silicone free nitrile rubber

**Sealing washer (parallel threads):** Nitrile 'O'-ring

**Thread sealant:** Non-PTFE

## TECHNICAL DATA

**Medium:**

Compressed air

**Operating pressure:**

Vacuum – 18 bar unless otherwise stated (dependant on tubing specification)

**Ambient temperature:**

-20°C ... +80°C

Consult our Technical Service for use below +2°C

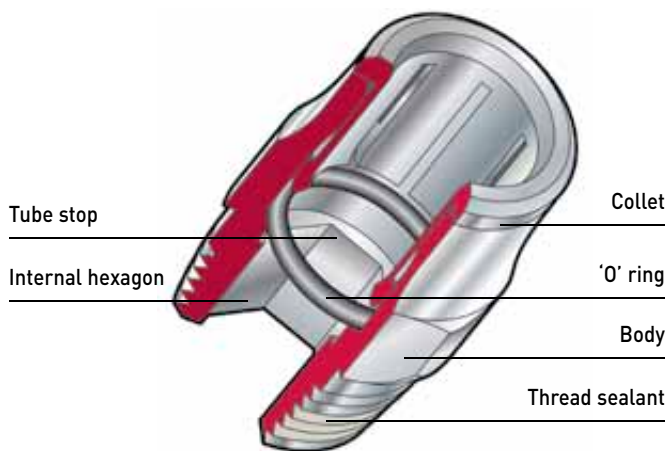
**Tube sizes:**

4, 5, 6, 8, 10, 12, 14 mm O/D

Warning: The push-in tube fittings in this section must not be used in vehicle air braking and ancillary systems. For push-in fittings suitable for these applications please refer to Fleetfit fittings on page 251.

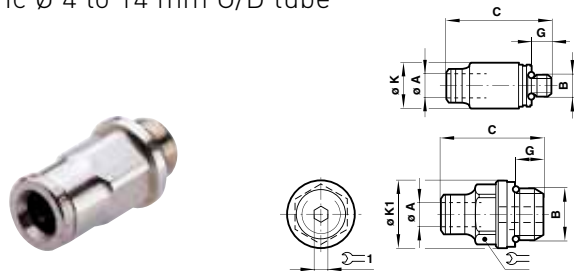
**Tubing:**

Nylon 11 or 12, polyurethane and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS5409/1:1976, light and normal duty.



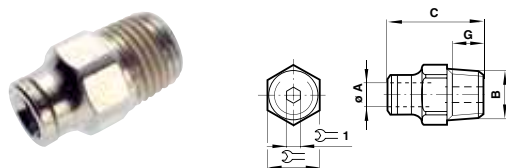
# PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



Straight Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	G	ØK	ØK1	1
102250403	4	M3	21,0	2,5	9	-	1,5
102250405	4	M5	21,5	3,5	9	-	2,5
102250418	4	G1/8	19,0	5,0	-	14,0	3
102250428	4	G1/4	21,5	7,5	-	18,0	3
102250505	5	M5	23,0	3,5	10	-	2,5
102250518	5	G1/8	23,5	5,0	-	14,0	4
102250528	5	G1/4	22,0	7,5	-	18,0	4
102250605	6	M5	24,0	3,5	11	-	2,5
102250618	6	G1/8	25,0	5,0	-	14,0	4
102250628	6	G1/4	23,5	7,5	-	18,0	4
102250818	8	G1/8	26,5	5,0	-	14,0	5
102250828	8	G1/4	28,0	7,5	-	18,0	6
102250838	8	G3/8	26,0	9,0	-	12,0	6
102250848	8	G1/2	31,5	12,0	-	26,0	6
102251018	10	G1/8	32,0	5,0	-	14,0	5
102251028	10	G1/4	33,5	7,5	-	18,0	7
102251038	10	G3/8	32,0	9,0	-	22,0	8
102251048	10	G1/2	32,0	12,0	-	26,0	8
102251228	12	G1/4	37,5	7,5	-	18,0	7
102251238	12	G3/8	38,0	9,0	-	22,0	10
102251248	12	G1/2	37,0	12,0	-	26,0	10
102251438	14	G3/8	38,0	9,0	-	22,0	10
102251448	14	G1/2	37,0	12,0	-	26,0	10



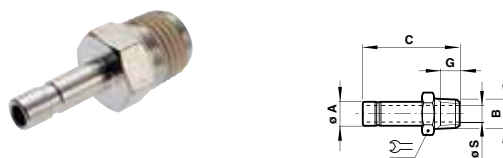
Straight Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	G	ØS	1
101250418	4	R1/8	20,5	10	10	3
101250428	4	R1/4	23,0	11,0	14	3
101250518	5	R1/8	22,5	7,5	10	4
101250528	5	R1/4	23,0	11,0	14	4
101250618	6	R1/8	23,0	7,5	11	4
101250628	6	R1/4	25,0	11,0	14	4
101250818	8	R1/8	26,5	7,5	13	5
101250828	8	R1/4	28,0	11,0	14	6
101250838	8	R3/8	27,0	12,5	17	6
101250848	8	R1/2	29,0	16,0	22	6
101251018	10	R1/8	31,5	7,5	17	5
101251028	10	R1/4	34,0	11,0	17	7
101251038	10	R3/8	34,0	12,5	17	8
101251048	10	R1/2	33,5	16,0	22	8
101251228	12	R1/4	39,0	11,0	22	7
101251238	12	R3/8	39,0	12,5	22	10
101251248	12	R1/2	40,0	16,0	22	10
101251438	14	R3/8	39,5	12,5	22	10
101251448	14	R1/2	40,0	16,0	22	10



Straight Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Female (B)	C	G	ØS
102260405	4	M5	22,5	5,0	10
102260418	4	G1/8	24,5	7,5	13
102260428	4	G1/4	29,0	5,0	17
102260505	5	M5	23,5	7,5	10
102260518	5	G1/8	25,5	7,5	13
102260528	5	G1/4	29,5	7,5	17
102260618	6	G1/8	26,0	11,0	13
102260628	6	G1/4	30,5	11,0	17
102260818	8	G1/8	27,0	11,0	13
102260828	8	G1/4	31,5	11,0	17
102261028	10	G1/4	36,5	11,0	17
102261038	10	G3/8	39,0	11,5	19
102261238	12	G3/8	41,0	11,5	19
102261248	12	G1/2	44,5	15,0	24

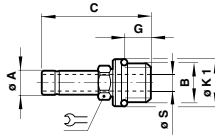


Straight Stem Adaptor

Model	O/D Stem (ØA)	BSPT Thread (B)	C	G	ØS	
101150418	4	R1/8	30,0	7,5	2,1	10
101150428	4	R1/4	33,5	11,0	2,1	14
101150518	5	R1/8	31,0	7,5	3,2	11
101150528	5	R1/4	35,0	11,0	3,2	14
101150618	6	R1/8	32,0	7,5	4,1	12
101150628	6	R1/4	35,0	11,0	4,1	14
101150818	8	R1/8	33,0	7,5	7,1	14
101150828	8	R1/4	36,5	11,0	5,1	14
101150838	8	R3/8	40,0	12,5	5,1	19
101151028	10	R1/4	40,0	11,0	7,7	15
101151038	10	R3/8	45,0	12,5	7,7	19
101151048	10	R1/2	48,0	16,0	8,1	22
101151238	12	R3/8	48,0	12,5	9,1	19
101151248	12	R1/2	51,5	16,0	9,1	22
101151448	14	R1/2	51,4	16,0	11,2	22

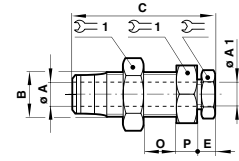
## PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



### Straight Stem Adaptor

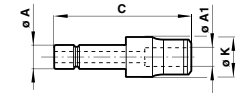
Model	O/D Stem (ØA)	BSPP Thread (B)	C	G	ØK1	ØS	
102150418	4	G1/8	29,0	5,0	13,5	2,1	8
102150428	4	G1/4	33,0	7,5	17,5	2,1	10
102150518	5	G1/8	30,5	5,0	13,5	3,3	8
102150528	5	G1/4	34,0	7,5	17,5	3,3	10
102150618	6	G1/8	31,0	5,0	13,5	4,0	8
102150628	6	G1/4	34,5	7,5	17,5	4,0	10
102150818	8	G1/8	32,5	5,0	13,5	5,0	10
102150828	8	G1/4	35,5	7,5	17,5	6,0	10
102150838	8	G3/8	39,0	9,0	21,5	6,0	13
102151028	10	G1/4	41,5	7,5	17,5	6,5	13
102151038	10	G3/8	43,5	9,0	21,5	8,0	13
102151048	10	G1/2	49,0	12,0	25,5	8,0	17
102151238	12	G3/8	48,5	9,0	21,5	10,0	17
102151248	12	G1/2	52,5	12,0	25,5	10,0	17
102151438	14	G3/8	48,5	9,0	21,5	10,0	17
102151448	14	G1/2	52,5	12,0	25,5	11,5	17



### Mixed Bulkhead Connector

PIF TO COMPRESSION FITTING									
Model	O/D Tube (ØA)	ØA1	B	C	E	O	P		
100310404	4	4	M12x1,0	27,0	6,0	9,5	9	8	17
100310606	6	6	M15x1,0	29,5	7,0	9,5	10	13	22
100310808	8	8	M18x1,5	33,5	8,0	11,2	10	13	24
100311010	10	10	M20x1,5	40,0	8,0	14,3	11	17	27
100311212	12	12	M24x1,5	44,0	9,0	17,5	11	19	30
100311414	14	14	M26x1,5	46,0	11,5	18,5	11	22	32

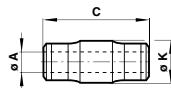
Supplied complete with tubing nut and sleeve.



### Unequal Stem

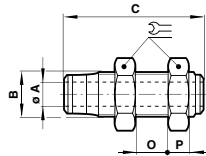
Model	Reducing O/D Stem (ØA)	O/D Tube (ØA1)	C	ØK
100230504	5	4	33,5	10,0
100230604	6	4	34,0	10,0
100230605	6	5	35,0	11,0
100230804	8	4	31,0	10,0
100230805	8	5	33,0	11,0
100230806	8	6	36,5	12,0
100231004	10	4	31,0	12,0
100231005	10	5	36,5	12,0
100231006	10	6	37,5	12,0
100231008	10	8	38,0	14,0
100231204	12	4	35,0	14,0
100231205	12	5	35,0	14,0
100231206	12	6	35,0	14,0
100231208	12	8	42,0	14,0
100231210	12	10	50,0	17,0
100231406	14	6	36,5	16,0
100231408	14	8	37,5	16,0
100231410	14	10	46,5	17,0
100231412	14	12	53,5	20,5

EXPANDING				
Model	Reducing O/D Stem (ØA)	O/D Tube (ØA1)	C	ØK
100230406	4	6	35,0	12,0
100230608	6	8	37,5	14,0



### Straight Connector

Model	O/D Tube (ØA)	C	ØK
100200400	4	30,0	10,0
100200500	5	32,0	11,0
100200600	6	33,5	12,0
100200800	8	35,5	14,0
100201000	10	44,5	17,0
100201200	12	51,5	20,5
100201400	14	52,5	21,0

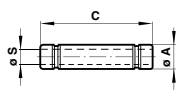


### Bulkhead Connector

Model	O/D Tube (ØA)	B	C	O	P	
100290400	4	M10x1,0	30,0	12	9	14
100290500	5	M12x1,0	32,0	14	9	17
100290600	6	M14x1,5	35,5	15	10	19
100290800	8	M16x1,5	36,5	16	10	22
100291000	10	M20x1,5	43,5	14	11	27
100291200	12	M24x1,5	50,5	15	11	30
100291400	14	M24x1,5	50,5	15	11	30

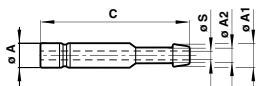
# PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



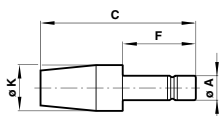
## Stem Straight Connector

Model	O/D Stem (ØA)	C	ØS
100220400	4	30,0	2,6
100220500	5	33,0	3,4
100220600	6	34,0	4,0
100220800	8	36,0	6,0
100221000	10	45,0	7,6
100221200	12	52,0	9,6
100221400	14	52,0	11,5



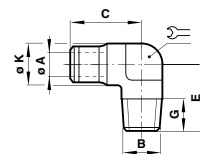
## Stem Tailpiece Adaptor

Model	O/D Stem (ØA)	Hose Bore (ØA1)	ØA2	C	ØS
100190505	5	6,5	5	35,5	2,8
100190605	6	6,5	5	36,0	2,8
100190606	6	8,0	6,3	36,0	4,0
100190806	8	8,0	6,3	37,0	4,3
100190808	8	9,6	8	38,5	5,5
100191010	10	12,0	10	44,0	7,3
100191210	12	12,0	10	46,5	7,3
100191212	12	15,0	12,5	47,5	9,7



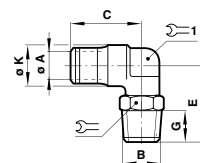
## Stem Silencer

Model	O/D Stem (ØA)	C	F	ØK
100110400	4	31,5	16,5	11,0
100110600	6	33,5	18,5	11,0
100110800	8	40,5	19,5	13,0
100111000	10	53,5	24,0	19,0
100111200	12	57,0	27,5	19,0



## Fixed Elbow Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	ØK	1
101450418	4	R1/8	15,0	17,0	7,5	10,0	7
101450428	4	R1/4	20,0	18,0	11,0	10,0	11
101450518	5	R1/8	15,5	18,5	7,5	11,0	7
101450528	5	R1/4	20,0	20,0	11,0	11,0	11
101450618	6	R1/8	16,0	19,5	7,5	12,0	8
101450628	6	R1/4	20,0	20,0	11,0	12,0	11
101450818	8	R1/8	17,0	21,5	7,5	14,5	11
101450828	8	R1/4	20,0	21,5	11,0	14,5	11
101450838	8	R3/8	23,0	22,0	12,5	14,5	13
101450848	8	R1/2	29,0	24,0	16,0	14,5	17
101451018	10	R1/8	18,5	26,5	7,5	17,0	13
101451028	10	R1/4	21,5	26,5	11,0	17,0	13
101451038	10	R3/8	23,0	26,5	12,5	17,0	13
101451048	10	R1/2	29,0	28,5	16,0	17,0	17
101451228	12	R1/4	23,3	31,5	11,0	20,5	16
101451238	12	R3/8	25,0	31,5	12,5	20,5	16
101451248	12	R1/2	28,8	32,0	16,0	20,5	17



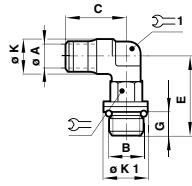
## 90° Swivel Elbow Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	ØK	1	
101470418	4	R1/8	17,0	20,5	7,5	10,0	10	7
101470428	4	R1/4	17,0	24,10	11,0	10,0	14	7
101470518	5	R1/8	18,5	21,0	7,5	11,0	11	9
101470528	5	R1/4	18,5	24,5	11,0	11,0	14	9
101470618	6	R1/8	19,5	21,5	7,5	12,0	11	9
101470628	6	R1/4	19,5	25,0	11,0	12,0	14	9
101470638	6	R3/8	20,0	27,5	12,5	12,0	17	8
101470818	8	R1/8	21,5	23,0	7,5	14,5	14	11
101470828	8	R1/4	21,5	26,0	11,0	14,5	14	11
101470838	8	R3/8	22,0	30,5	12,5	14,5	17	13
101470848	8	R1/2	22,0	34,5	16,0	14,5	22	13
101471018	10	R1/8	26,5	25,5	7,5	17,0	14	13
101471028	10	R1/4	26,5	29,0	11,0	17,0	17	13
101471038	10	R3/8	26,5	30,5	12,5	17,0	17	13
101471048	10	R1/2	26,5	34,5	16,0	17,0	22	13
101471228	12	R1/4	31,5	32,0	11,0	20,5	19	16
101471238	12	R3/8	31,5	34,0	12,5	20,5	22	16
101471248	12	R1/2	31,5	38,0	16,0	20,5	22	16
101471438	14	R3/8	30,5	33,0	12,5	21,5	22	17
101471448	14	R1/2	31,5	37,0	16,0	21,5	22	17



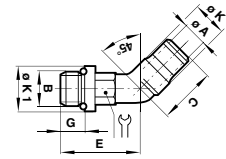
## PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



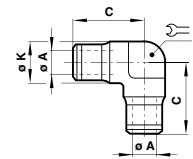
### 90° Swivel Elbow Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	ØK	ØK1	Wrench 1	Wrench 2
102470403	4	M3	17,0	16,0	3,5	10,0	-	8	7
102470405	4	M5	17,0	19,0	4,2	10,0	8	8	7
102470418	4	G1/8	17,0	22,0	5,5	10,0	14,0	11	7
102470428	4	G1/4	17,0	25,5	8,0	10,0	18,0	11	7
102470505	5	M5	18,5	20,0	4,2	11,0	8	8	9
102470518	5	G1/8	18,5	22,5	5,5	11,0	14,0	11	9
102470528	5	G1/4	18,5	26,0	8,0	11,0	18,0	11	9
102470605	6	M5	19,5	20,5	4,2	12,0	8	8	9
102470618	6	G1/8	19,5	23,0	5,5	12,0	14,0	11	9
102470628	6	G1/4	19,5	26,5	8,0	12,0	18,0	11	9
102470818	8	G1/8	21,5	24,0	5,5	14,5	14,0	13	11
102470828	8	G1/4	21,5	29,0	8,0	14,5	18,0	17	11
102470838	8	G3/8	22,0	33,5	9,0	14,5	22,0	19	13,3
102470848	8	G1/2	22,0	39,5	11,0	14,5	26,0	19	13,3
102471018	10	G1/8	26,5	26,5	5,5	17,0	14,0	17	13,3
102471028	10	G1/4	26,5	31,5	8,0	17,0	18,0	17	13,3
102471038	10	G3/8	26,5	33,5	9,0	17,0	22,0	19	13,3
102471048	10	G1/2	26,5	39,5	11,0	17,0	26,0	19	13,3
102471228	12	G1/4	31,5	35,5	8,0	20,5	18,0	19	16
102471238	12	G3/8	31,5	37,0	9,0	20,5	22,0	19	16
102471248	12	G1/2	31,5	43,0	11,0	20,5	26,0	19	16
102471438	14	G3/8	30,5	36,0	9,0	22,5	22,0	19	17
102471448	14	G1/2	31,5	39,0	11,0	22,5	26,0	24	17



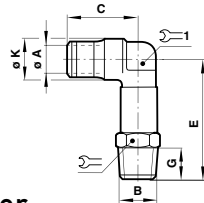
### 45° Swivel Adaptor

Model	O/D Tube (ØA)	BSPP Thread (B)	C	E	G	ØK	ØK1	Wrench
102570618	6	G1/8	17,5	19,5	5,0	12,0	14,0	11
102570628	6	G1/4	17,5	23,0	7,5	12,0	18,0	11
102570818	8	G1/8	19,5	20,5	5,0	14,5	14,0	11
102570828	8	G1/4	19,5	26,0	7,5	14,5	18,0	17



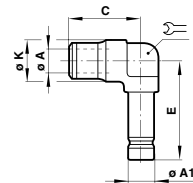
### Equal Elbow Connector

Model	O/D Tube (ØA)	C	ØK	Wrench
100400400	4	17,0	10,0	7
100400500	5	18,5	11,0	7
100400600	6	19,5	12,0	8
100400800	8	21,5	14,5	11
100401000	10	26,5	17,0	14
100401200	12	31,5	20,5	16
100401400	14	33,0	21,5	17



### Extended Swivel Elbow Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	Wrench 1	Wrench 2
101540418	4	R1/8	17,0	34,0	7,5	10	7
101540428	4	R1/4	17,0	40,0	11,0	14	7
101540618	6	R1/8	19,5	36,5	7,5	11	9
101540628	6	R1/4	19,5	41,0	11,0	14	9
101540818	8	R1/8	21,5	40,5	7,5	14	11
101540828	8	R1/4	21,5	44,5	11,0	14	11
101540838	8	R3/8	22,0	51,5	12,5	17	13
101541038	10	R3/8	26,5	51,5	12,5	17	13



### Stem Elbow Connector

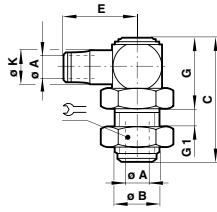
EQUAL							
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	ØK	Wrench	
100430400	4	4	9,5	25,0	10	7	
100430600	6	6	19,0	27,5	12	9	
100430800	8	8	21,0	29,5	14	-	
100430805	8	5	19,5	30,0	14	-	

EXTENDED							
Model	O/D Tube (ØA)	O/D Stem (ØA1)	C	E	ØK	Wrench	
100440600	6	6	19	39	12	9	

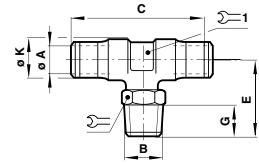
# PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



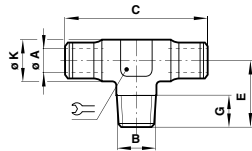
## Bulkhead Swivel Elbow Connector

Model	O/D Tube (ØA)	B	C	E	G1	G	ØK	
100490400	4	M12x1,0	35,5	20,5	7	21,5	10,0	17
100490500	5	M12x1,0	35,5	21,5	7	21,5	11,0	17
100490600	6	M14x1,5	40,0	24,0	7	24,5	12,0	19
100490800	8	M16x1,5	45,0	26,5	7	30,0	14,5	22
100491000	10	M22x1,5	49,0	31,5	9	31,0	17,0	27
100491200	12	M24x1,5	54,0	38,0	12	32,5	20,5	30
100491400	14	M26x1,5	57,0	38,0	15	32,5	22,5	32



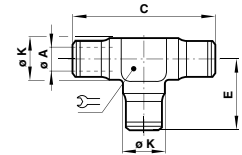
## Swivel Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	ØK		
101670418	4	R1/8	34,0	21,5	7,5	10,0	10	7,0
101670428	4	R1/4	34,0	24,0	11,0	10,0	14	7,0
101670518	5	R1/8	37,0	22,0	7,5	11,0	11	9,0
101670618	6	R1/8	39,0	22,5	7,5	12,0	11	9,0
101670628	6	R1/4	39,0	25,0	11,0	12,0	14	9,0
101670818	8	R1/8	42,5	24,0	7,5	14,5	14	11,0
101670828	8	R1/4	42,5	26,0	11,0	14,5	14	11,0
101670838	8	R3/8	43,5	30,5	12,5	14,5	17	13,3
101671028	10	R1/4	53,5	29,0	11,0	17,0	17	13,3
101671038	10	R3/8	53,5	30,5	12,5	17,0	17	13,3
101671048	10	R1/2	53,5	34,5	16,0	17,0	22	13,3
101671228	12	R1/4	63,5	32,0	11,0	20,5	19	16,0
101671238	12	R3/8	63,5	34,0	12,5	20,5	22	16,0
101671248	12	R1/2	63,5	38,0	16,0	20,5	22	16,0
101671438	14	R3/8	61,5	33,0	12,5	22,5	22	17,0
101671448	14	R1/2	63,5	37,0	16,0	22,5	22	17,0



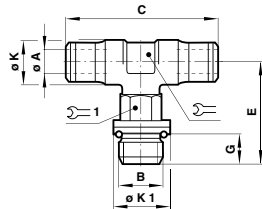
## Fixed Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	ØK	
101650418	4	R1/8	34,0	15,0	7,5	10,0	7
101650518	5	R1/8	37,0	15,5	7,5	11,0	7
101650618	6	R1/8	39,0	16,0	7,5	12,0	8
101650628	6	R1/4	40,0	20,0	11,0	12,0	11
101650818	8	R1/8	42,5	17,0	7,5	14,5	11
101650828	8	R1/4	42,5	20,0	11,0	14,5	11
101651028	10	R1/4	53,5	21,5	11,0	17,0	13
101651228	12	R1/4	63,5	23,5	11,0	20,5	16



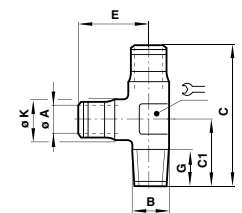
## Equal Tee Connector

Model	O/D Tube (ØA)	C	E	ØK	
100600400	4	34,0	17,0	10,0	7
100600500	5	37,0	18,5	11,0	7
100600600	6	39,0	19,5	12,0	8
100600800	8	42,5	21,5	14,5	11
100601000	10	53,5	26,5	17,0	13
100601200	12	63,5	31,5	20,5	16
100601400	14	66,5	33,0	21,5	17



## Swivel Tee Adaptor

Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	E	G	ØK	ØK1		
102670405	4	M5	34,0	19,5	4,0	10,0	8,0	7	8
102670418	4	G1/8	34,0	22,0	5,5	10,0	14,0	7	11
102670505	5	M5	37,0	20,0	4,0	11,0	8,0	9	8
102670518	5	G1/8	37,0	22	5,5	11,0	14,0	9	11
102670528	5	G1/4	37,0	26,0	8,0	11,0	18,0	9	11
102670605	6	M5	39,0	20,5	4,0	12,0	8,0	9	8
102670618	6	G1/8	39,0	23,0	5,5	12,0	14,0	9	11
102670628	6	G1/4	39,0	26,5	8,0	12,0	18,0	9	11
102670818	8	G1/8	42,5	23,5	5,5	14,0	14,0	11	13
102670828	8	G1/4	42,5	29,0	8,0	14,0	18,0	11	17
102670838	8	G3/8	43,5	22,0	9,0	14,0	22,0	13	19
102671028	10	G1/4	53,5	31,5	8,0	17,0	18,0	13	17
102671038	10	G3/8	53,5	33,5	9,0	17,0	22,0	13	19
102671228	12	G1/4	63,5	35,5	8,0	20,5	18,0	16	19
102671238	12	G3/8	63,5	37,0	9,0	20,5	22,0	16	19
102671438	14	G3/8	61,5	36,0	9,0	21,5	22,0	17	19
102671448	14	G1/2	63,5	39,0	11,0	21,5	26,0	17	24



## Fixed Side Tee Adaptor

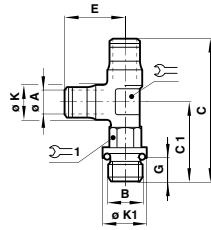
Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	E	G	ØK	
101750618	6	R1/8	35,5	16,0	19,5	7,5	12,0	8
101750818	8	R1/8	38,0	17,0	21,5	7,5	14,5	11
101750828	8	R1/4	41,5	20,0	21,5	11,0	14,5	11

FITTINGS, TUBING & ACCESSORIES

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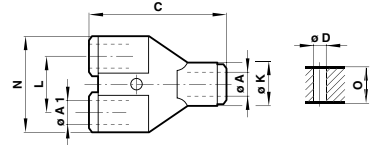
## PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



### Swivel Side Tee Adaptor

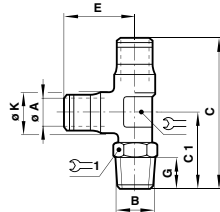
Model	O/D Tube (ØA)	Metric & BSPP Thread (B)	C	C1	E	G	ØK	ØK1	Wrench 1	Wrench 2
102680405	4	M5	36,5	19,5	17,0	4,0	10,0	8,0	7	8
102680418	4	G1/8	38,5	22,0	17,0	5,5	10,0	14,0	7	11
102680618	6	G1/8	42,5	23,0	19,5	5,5	12,0	14,0	9	11
102680628	6	G1/4	46,0	26,5	19,5	8,0	12,0	18,0	9	11
102680818	8	G1/8	45,0	24,0	21,5	5,5	14,0	14,0	11	13
102680828	8	G1/4	50,5	29,0	21,5	8,0	14,0	18,0	11	17
102680838	8	G3/8	55,0	33,0	21,5	9,0	14,0	22,0	13	19
102681028	10	G1/4	58,3	31,5	26,5	8,0	17,0	18,0	13	17
102681038	10	G3/8	60,0	33,5	26,5	9,0	17,0	22,0	13	19
102681228	12	G1/4	67,0	35,5	31,5	8,0	20,5	18,0	16	19
102681238	12	G3/8	68,5	37,0	31,5	9,0	20,5	22,0	16	19
102681438	14	G3/8	69,0	36,0	33,0	9,0	21,5	22,0	17	19
102681448	14	G1/2	72,5	39,0	33,0	11,0	21,5	26,0	17	24



### Parallel Y Connector

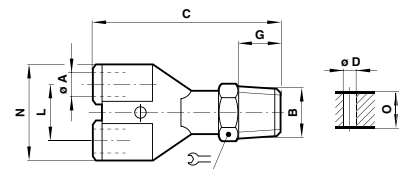
Model	O/D Tube (ØA)	O/D Tube (ØA1)	C	ØD	L	N	ØK	O
100820400	4	4	34,0	3,0	11,0	22,0	11	10,5
100820600	6	6	38,5	3,0	14,0	27,0	13	12,5
100820800	8	8	40,5	3,0	16,0	31,0	15	13,5
100821000	10	10	49,5	4,0	20,5	42,0	20,0	15,0

Model	O/D Tube (ØA)	O/D Tube (ØA1)	C	ØD	L	N	ØK	O
100820604	6	4	38,0	3,0	14,0	27,0	13	12,5
100820806	8	6	40,5	3,0	16,0	31,0	15	13,5
100821008	10	8	49,5	4,0	20,5	42,0	20,0	15,0



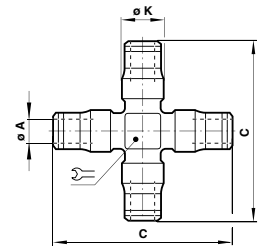
### Swivel Side Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	E	G	ØK	Wrench 1	Wrench 2
101680418	4	R1/8	38,5	20,5	17,0	7,5	10,0	7	10
101680428	4	R1/4	41,0	24,0	17,0	11,0	10,0	7	14
101680518	5	R1/8	40,5	22,0	18,5	7,5	11,0	9	11
101680618	6	R1/8	42,0	22,5	19,5	7,5	12,0	9	11
101680628	6	R1/4	44,5	25,0	19,5	11,0	12,0	9	14
101680818	8	R1/8	45,0	24,0	21,5	7,5	14,0	11	14
101680828	8	R1/4	47,5	26,0	21,5	11,0	14,0	11	14
101680838	8	R3/8	52,5	30,5	22,0	12,5	14,0	13	17
101681028	10	R1/4	55,5	29,0	26,5	11,0	17,0	13	17
101681038	10	R3/8	57,0	30,5	26,5	12,5	17,0	13	17
101681228	12	R1/4	63,5	32,0	31,5	11,0	20,5	16	19
101681238	12	R3/8	66,0	34,0	31,5	12,5	20,5	16	22
101681248	12	R1/2	70,0	38,0	31,5	16,0	20,5	16	22
101681438	14	R3/8	66,5	33,0	33,0	12,5	21,5	17	22
101681448	14	R1/2	70,0	37,0	33,0	16,0	21,5	17	22



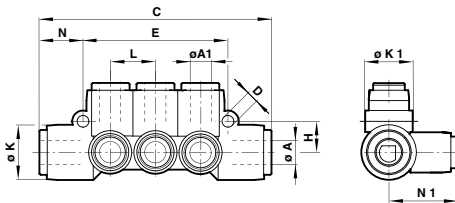
### Parallel Y Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	ØD	G	L	N	O	Wrench
101880418	4	R1/8	43,5	3,0	7,5	11,0	22,5	10,5	10
101880618	6	R1/8	48,0	3,0	7,5	14,0	28,0	12,5	11
101880818	8	R1/8	51,0	3,0	7,5	16,0	32,0	13,5	14
101880828	8	R1/4	54,5	3,0	11,0	16,0	32,0	13,5	11
101881038	10	R3/8	67,0	4,0	12,5	22,0	42,5	15,0	19
101881048	10	R1/2	70,0	4,0	16,0	22,0	42,5	15,0	22



### 4 Way Cross Connector

Model	O/D Tube (ØA)	C	ØK	Wrench
100900400	4	42,0	10,5	10
100900600	6	47,5	12,0	10
100900800	8	57,5	14,5	13
100901000	10	68,5	17,0	13



### Manifold

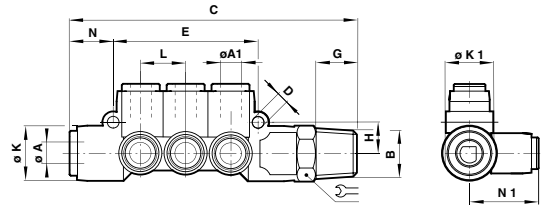
Model	O/D Tube Inlet (ØA)	O/D Tube Outlet (ØA1)	C	ØD	E	H	L	N	N1	ØK	ØK1
100D60804	8	4	68	3,5	42,0	9,0	13,0	12,5	20,0	16,0	14,0
100D60806	8	6	68	3,5	42,0	9,0	13,0	12,5	20,2	16,0	14,0
100D61006	10	6	83	3,5	48,0	10,5	15,0	17,0	22,7	20,0	16,0
100D61008	10	8	83	3,5	48,0	10,5	15,0	17,0	22,7	20,0	16,0

# PNEUFIT PUSH-IN FITTINGS

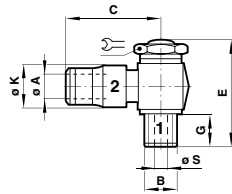
Metric Ø 4 to 14 mm O/D tube



## Manifold

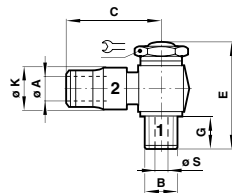


Model	O/D Tube Inlet (ØA)	O/D Tube Outlet (x6) (ØA1)	BSPT Thread (B)	C	ØD	E	G	H	L	N	N1	ØK	ØK1	
101D60628	8	6	R1/4	83	3,4	42,0	11,0	9,0	13,0	12,5	20,0	16,0	14,0	17
101D60638	8	6	R3/8	85	3,4	42,0	12,5	9,0	13,0	12,5	20,0	16,0	14,0	19
101D60848	10	8	R1/2	104	3,4	48,0	16,0	10,5	15,0	17,0	22,5	20,0	16,0	22



## Elbow Banjo Assembly Non-Regulating Bolt

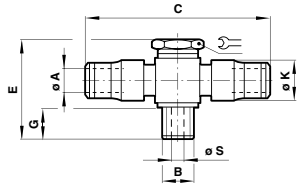
Model	O/D Tube (A)	Metric & BSPP Thread (B)	C	E	G	ØK	ØS	
10A510405	4	M5	18,5	22	4,0	9,5	2,5	8
10A510418	4	G1/8A	20,5	30	6,0	11,0	5,0	14
10A510505	5	M5	20,0	22	4,0	11,0	2,5	8
10A510605	6	M5	22,0	22	4,0	12,5	2,5	8
10A510618	6	G1/8A	23,5	30	6,0	12,5	5,0	14
10A510628	6	G1/4A	24,0	34	7,4	13,0	8,5	17
10A510818	8	G1/8A	23,5	30	6,0	14,0	5,0	14
10A510828	8	G1/4A	24,5	34	7,5	14,0	8,5	17
10A510838	8	G3/8A	26,5	41	9,0	16,5	10,0	22
10A511028	10	G1/4A	30,0	34	7,5	16,0	8,5	17
10A511038	10	G3/8A	31,0	41	9,0	17,0	10,0	22



## Elbow Banjo Assembly Regulating Out

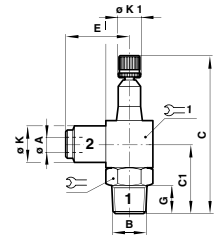
Model	O/D Tube (A)	Metric & BSPP Thread (B)	C	E	G	ØK	ØS	
10K510405	4	M5	18,5	27,0	4,5	9,5	2,5	8
10K510418	4	G1/8	20,5	34,0	6,0	11,0	5,0	14
10K510505	5	M5	20,0	27,0	4,5	11,0	2,5	8
10K510518	5	G1/8	21,5	34,0	6,0	11,5	5,0	14
10K510605	6	M5	22,0	27,0	4,5	12,5	2,5	8
10K510618	6	G1/8	23,5	34,0	6,0	12,5	5,0	14
10K510628	6	G1/4	24,0	36,5	6,0	13,0	8,5	17
10K510818	8	G1/8	23,5	34,0	6,0	13,5	5,0	14
10K510828	8	G1/4	24,5	36,5	6,0	14,0	8,5	17
10K510838	8	G3/8	26,5	51,5	10,0	16,5	10,0	22
10K511028	10	G1/4	30,0	36,5	6,0	15,7	8,5	17
10K511038	10	G3/8	31,0	51,5	10,0x	17,0	10,0	22
10K511238	12	G3/8	33,0	51,5	10,0	17,5	10,0	22
10K511248	12	G1/2	38,0	57,5	10,0	17,5	10,0	27

Pressure rating on this item 10 bar.



## Tee Banjo Assembly Non-Regulating Bolt

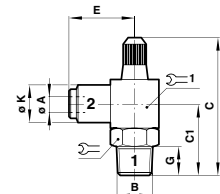
Model	O/D Tube (A)	Metric & BSPP Thread (B)	C	E	G	ØK	ØS	
10A710405	4	M5	37,5	22	4,0	9,5	2,5	8
10A710418	4	G1/8	41,0	30	6,0	11,0	5,0	14
10A710618	6	G1/8	47,5	30	6,0	12,5	5,0	14
10A710628	6	G1/4	48,5	34	7,5	13,0	8,5	17
10A710818	8	G1/8	47,5	30	6,0	14,0	5,0	14
10A710828	8	G1/4	49,5	34	7,5	14,0	8,5	17



## Elbow Banjo Assembly Regulating Out

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	E	G	ØK	ØK1		
10TA00418	4	R1/8	53,0	22,5	22,0	9,5	11,5	9,0	14	16
10TA00618	6	R1/8	53,0	22,5	23,0	9,5	13,0	9,0	14	16
10TA00628	6	R1/4	67,0	29,5	25,5	13,5	13,5	11,0	17	20
10TA00828	8	R1/4	67,0	29,5	27,0	14,5	15,5	11,0	17	20
10TA00838	8	R3/8	78,0	33,0	28,0	14,5	15,5	13,0	19	22
10TA01028	10	R1/4	67,0	29,5	31,5	13,5	19,5	11,0	17	20
10TA01038	10	R3/8	78,0	33,0	32,5	14,5	19,5	13,0	19	22
10TA01248	12	R1/2	90,0	41,5	38,0	16,0	24,0	17,0	22	28

Pressure rating on this item 10 bar.



## Elbow Banjo Assembly Regulating Out

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	E	G	ØK		
10T000618	6	R1/8	42,0	22,5	23,0	9,5	13,0	14	16

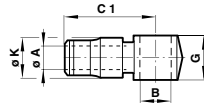
Pressure rating on this item 10 bar.

FITTINGS, TUBING & ACCESSORIES

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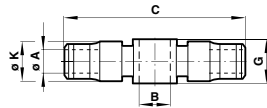
## PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



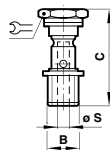
### Elbow Banjo Body

Model	O/D Tube (ØA)	Bolt Thread (B)	C1	G	ØK
100510405	4	M5	18,5	12,5	9,5
100510418	4	G1/8	20,5	14,0	11,0
100510505	5	M5	20,0	12,5	11,0
100510605	6	M5	22,0	12,6	12,5
100510618	6	G1/8	23,5	14,0	12,5
100510628	6	G1/4	24,0	16,0	13,0
100510818	8	G1/8	23,5	14,0	14,0
100510828	8	G1/4	24,5	16,0	14,0
100510838	8	G3/8	26,5	20,5	16,5
100511028	10	G1/4	30,0	16,0	16,0
100511038	10	G3/8	31,0	20,5	17,0
100511238	12	G3/8	33,0	20,5	17,5
100511248	12	G1/2	38,0	22,0	17,5



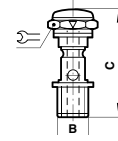
### Tee Banjo Body

Model	O/D Tube (ØA)	Bolt Thread (B)	C	G	ØK
100710405	4	M5	37,5	12,5	9,5
100710418	4	G1/8	41,0	14	11,0
100710605	6	M5	41,5	12,5	11,5
100710618	6	G1/8	47,5	14	12,5
100710628	6	G1/4	48,5	16	13,0
100710818	8	G1/8	47,5	14	14,0
100710828	8	G1/4	49,5	16	14,0



### Banjo Bolt Non-Regulating Single Stacking

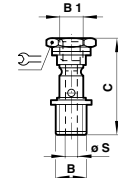
Model	Metric & BSPP Thread (B)	C	ØS	
20A000005	M5	22	2,5	8
20A000018	G1/8	29	5,0	14
20A000028	G1/4	33	8,5	17
20A000038	G3/8	41	10,0	22
20A000048	G1/2	49	11,5	27



### Regulating Out Banjo Bolts Single Stacking

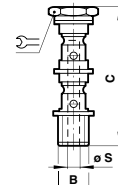
(SCREWDRIVER ADJUSTABLE)				
Model	Flow	Metric & BSPP Thread (B)	C	
20K000018	Reg out	G1/8A	34,0	14
20K000028	"	G1/4A	36,5	17
20L000005	Reg in	M5	27,5	8
20L000018	"	G1/8A	34,0	14
20L000028	"	G1/4A	36,5	17
20L000038	"	G3/8A	51,5	22
20M000018	Bi direc	G1/8A	34,0	14
20M000028	"	G1/4A	36,5	17
20M000048	"	G1/2A	57,0	27

Pressure rating on this item 10 bar.



### Banjo Bolt Non-Regulating Single Stacking

WITH TOP PORT (BSP PARALLEL)					
Model	Port Thread (B)	Bolt Thread (B1)	C	ØS	
20E001818	G1/8	G1/8	36,0	5,0	14
20F002828	G1/4	G1/4	45,0	8,5	17
20G003838	G3/8	G3/8	52,0	10,0	22

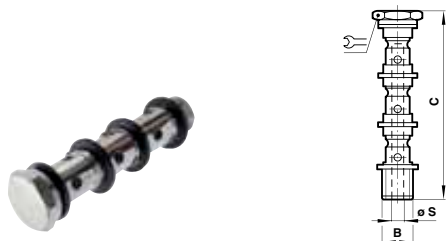


### Banjo Bolt Non-Regulating Double Stacking


Model	Metric & BSPP Thread (B)	C	ØS	
20B000005	M5	34,5	2,5	8
20B000018	G1/8	46,5	5,0	14
20B000028	G1/4	52,5	8,5	17
20B000038	G3/8	64,0	10,0	22
20B000048	G1/2	72,5	11,5	27

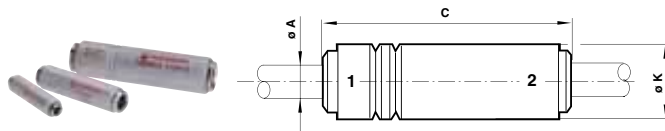
## PNEUFIT PUSH-IN FITTINGS

Metric Ø 4 to 14 mm O/D tube



### Banjo Bolt Non-Regulating Triple Stacking

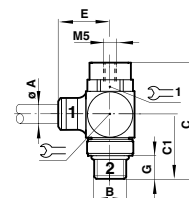
Model	BSPP Thread (B)	C	ØS	
20C000018	G1/8	63,0	5,0	14
20C000028	G1/4	71,5	8,5	17
20C000038	G3/8	87,0	10,0	22





### PIF Non-Return Valve

Model	O/D Tube ØA	C	ØK
T50P0004	4	49	11
T50P0006	6	56,5	13
T50P0008	8	61	15
T50P0010	10	77,5	20
T50P0012	12	88,5	22

\* Cv: US gal/min \*\* C: dm<sup>3</sup>/(s.bar)



### Models

PILOT OPERATED CHECK VALVE Model	O/D Tube ØA	B	C	C1	E	G		
102GA0418	4	G1/8	41	20	22	6	13	16
102GA0618	6	G1/8	41	20	23	6	13	16
102GA0628	6	G1/4	48	26	25	10,5	17	20
102GA0828	8	G1/4	48	26	26	10,5	17	20
102GA0838	8	G3/8	55	29	28	10,8	22	24
102GA1038	10	G3/8	55	29	32,5	10,8	22	24
102GA1248	12	G1/2	65,5	36	39,5	12,8	27	30



# FLEETFIT VEHICLE PUSH-IN FITTINGS

Metric 6mm ... 16mm O/D tube



Simple tube connection and disconnection – no tools required

Fewer component parts – Internally machined form in body to secure collet reduces number of potential leak paths

Corrosion resistant

Easy identification – All collets marked with tube size

Reduced assembly and maintenance times provide time/labour savings

Greater reliability and reduced testing

Ease of tube insertion in areas of restricted access

Comply with relevant standards and legislation

## MATERIALS

### Body (straights), tube support, collet:

Brass BS 2874 CZ 121

### Body (elbows, tees):

Brass BS 2874 CZ 122

### 'O' Ring:

Buna N (low nitrile)

### Thread sealant:

Precoat 5

## TECHNICAL DATA

### Operating Medium:

Compressed air

### Maximum working pressure:

0 ... 10 bar

### Working temperature:

-40°C ... 100°C

### Tubing:

Tube should be to DIN 74324

## STANDARDS & LEGISLATION

Fittings and tubing comply to department of transport

Federal motor vehicle safety standard,  
(DOT FMVSS 106)

(Mandatory requirements for Inch tube fittings in U.S.A.)

Society for automotive engineers SAE J1131  
(inch tube and fittings)

German TUV approval and DIN 74324  
(metric tube and fittings)

## APPLICATIONS

As a connector on all air brake systems at locations other than between chassis frame and axle or between towed and towing vehicle.

Also as a connector on all air operated systems as applicable to suspension, steering, engine, transmission and auxiliary mechanisms

**NOTE:** This range of fittings has been designed to meet the extreme demands of use on board vehicles and as such has been validated by Norgren to the standards listed above. If you have concerns over your application or need advice on the correct selection of product please consult Norgren technical service.

## EXPRESS LINKS

### Norgren tube to DIN 74324...

Norgren's standard range of tubing complies to the DIN standards required for commercial vehicles.

See page 267

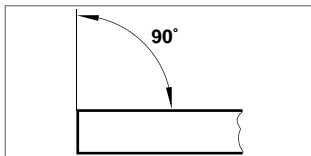




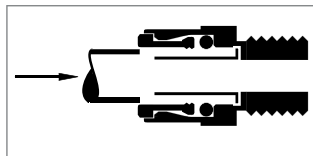
# FLEETFIT Vehicle Push-In Fittings

Metric 6mm ... 16mm O/D tube

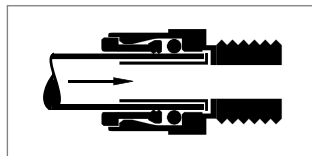
## METHOD OF INSTALLATION – TECHNICAL TIP



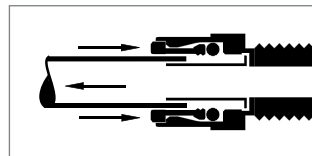
1 Ensure that the end of the tube is cut square and is free from burrs.



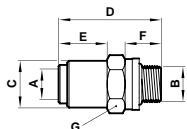
2 Push the tube through the collet into the fitting.



3 Continue pushing the tube through the 'O' ring until it bottoms on the tube stop. Then pull back on the tube to reinforce the collet teeth gripping action.

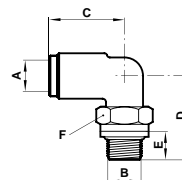


4 To disconnect – First ensure there is no air present. Push the tube into the fitting until it bottoms on the tube stop. Then hold down the collet and withdraw the tube.



### Straight Adaptor

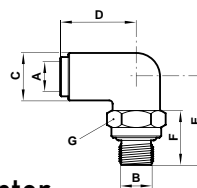
Model	O/D Tube ØA	Thread B	ØC	D	E	F	A/F G
97466631	6	M10x1,0	13,0	28,5	13,5	8,0	14
97466633	6	M12x1,5	13,0	30,5	11,5	10,0	17
97466635	6	M12x1,5	13,0	27,5	7,5	10,0	22
97466643	8	M12x1,5	15,0	31,5	12,5	10,0	17
97466644	8	M14x1,5	15,0	31,5	13,5	10,0	19
97466645	8	M16x1,5	15,0	31,5	11,5	10,0	22
97466648	8	M22x1,5	15,0	30,5	5,0	12,0	27
97466653	10	M12x1,5	16,8	35,0	16,0	10,0	17
97466655	10	M16x1,5	17,0	35,0	15,0	10,0	22
97466658	10	M22x1,5	17,0	31,0	5,5	12,0	27
97466663	12	M12x1,5	20,5	38,5	18,5	10,0	22
97466665	12	M16x1,5	20,5	39,0	19,0	10,0	22
97466668	12	M22x1,5	20,5	35,0	9,5	12,0	27
97466670	15	M22x1,5	26,0	45,0	19,5	12,0	27
97466675	16	M22x1,5	26,0	44,5	19,5	12,0	27
97466679	16	M16x1,5	26,0	42,5	19,5	10,0	27



### Swivel Elbow Adaptor

Model	O/D Tube ØA	Thread B	C	D	E	A/F F
97452145	8	M16x1,5	12,6	25,8	12,6	25,8
97452153	10	M12x1,5	27,5	29,2	10,0	17
97452155	10	M16x1,5	27,5	29,9	10,0	22
97452165	12	M16x1,5	32,5	34,1	10,0	22

NOTE: These swivel fittings should be used for positioning purposes only and not be used as a rotating joint.



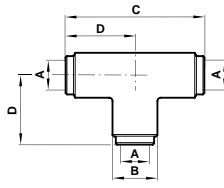
### Universal Hobbs Elbow Adaptor

Model	O/D Tube ØA	Thread B	ØC	D	E	F	A/F G
97413833	6	M12x1,5	14,0	23,5	29,0	19,0	17
97413843	8	M12x1,5	17,5	25,5	31,5	19,0	17
97413845	8	M16x1,5	17,5	25,5	34,0	21,5	24
97413848	8	M22x1,5	26,0	28,5	41,5	25,0	30
97413853	10	M12x1,5	18,5	29,0	31,0	19,0	17
97413855	10	M16x1,5	18,5	29,0	33,5	21,5	24
97413858	10	M22x1,5	26,0	32,0	40,5	25,0	30
97413865	12	M16x1,5	22,0	32,0	35,5	21,5	24
97413868	12	M22x1,5	26,0	34,5	40,5	25,0	30
97413875	16	M22x1,5	26,0	38,0	40,5	25,0	30
97413879	16	M16x1,5	26,0	38,0	38,5	21,5	24

NOTE: These fittings can be positioned to suit the application and then locked in that position.

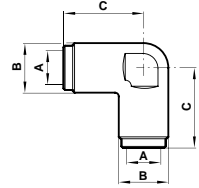
## FLEETFIT Vehicle Push-In Fittings

Metric 6mm ... 16mm O/D tube



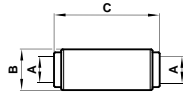
### Equal Tee Connector

Model	O/D Tube ØA	ØB	C	D
97451404	6	13,0	42,0	21,0
97451405	8	15,0	45,6	22,8
97451413	9	14,0	54,2	27,1
97451406	10	17,0	54,2	27,1
97451436	11	1	59	29,5
97451407	12	20,5	64,2	32,1
97451415	15	27,0	77,0	38,5
97451408	16	27,0	78,0	39,0



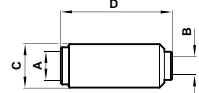
### Equal Elbow Connector

Model	O/D Tube ØA	ØB	C
97451104	6	13,0	21,0
97451105	8	15,0	22,8
97451113	9	17,0	27,1
97451106	10	17,0	27,1
97451136	11	20,5	29,5
97451107	12	20,5	32,1
97451115	15	27,0	38,5
97451108	16	27,0	39,0



### Equal Straight Connector

Model	O/D Tube ØA	ØB	C
97450304	6	13,0	35,6
97450305	8	15,0	37,6
97450313	9	17,0	44,1
97450306	10	17,0	44,1
97450336	11	19,0	46,1
97450307	12	20,5	51,1
97450392	14	22,0	50,2
97450315	15	25,4	61,5
97450308	16	25,4	61,5



### Reducing Straight Connector

Model	O/D Tube ØA	O/D Tube ØB	C	D
97450447	8	6	15	38,5
97450448	10	6	17	43,5
97450456	10	8	17	43,5
97450464	12	10	20,5	49

### EXPRESS PLUS

#### Additional ranges...

The selection of metric fittings listed in this catalogue form part of a wider range of vehicle push-in fittings for further details call the Express Team

# PUSH-ON TUBE FITTING 24 Series

Metric  $\varnothing$  4/2,5 mm to 15/12,5 mm OD/ID tube

Ideal for use on vacuum systems

For simple and quick connection of pneumatic circuits

Neat, compact design

Precision machined for complete reliability

Corrosion resistant

Unique barb shape ensures good grip on tube even if fitting is tightened by hand

Ideal for use in confined spaces where tight bend radii are required

Tubing nuts included



## TECHNICAL DATA

### Medium:

Compressed air.

### Operating pressure:

Vacuum: -15 bar

(dependant on tube operating specification)

### Ambient temperature:

-18°C to +70°C.

### Tube sizes:

4/2,5 mm, 5/3 mm, 6/4 mm, 8/6 mm, 10/8 mm, 12/10 mm, 15/12,5 mm OD/ID

### Tube types:

Nylon 11 and 12, polyurethane

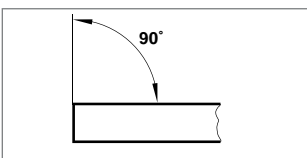
## MATERIALS

**Nut and body:** Nickel plated brass to OT58 UNI 5705

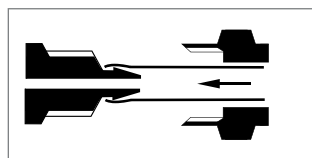
**'O' ring:** NBR 70

**Sealing washer:** Polyamide 66

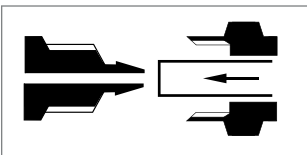
## METHOD OF ASSEMBLY



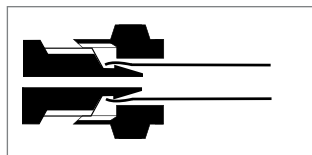
1 Ensure that the end of the tube is cut square and is free from burrs.



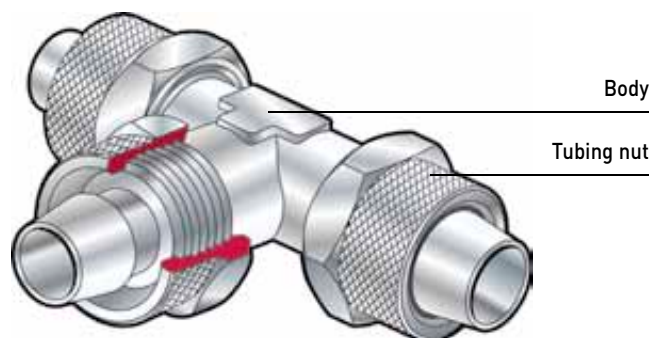
3 Push the tube over the barbed end of the fitting up to the tube stop.



2 Place the knurled nut over the tube.



4 Screw the knurled nut onto the fitting until finger tight. The hexagon on the nut is to aid release.

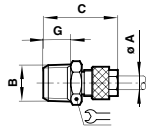


Body

Tubing nut

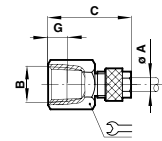
## PUSH-ON TUBE FITTINGS 24 Series

Metric  $\varnothing$  4/2,5 mm to 15/12,5 mm OD/ID tube



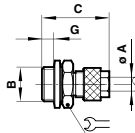
### Straight Male Adaptor

Model	O/D I/D Tube (ØA)	Male BSPT (B)	C	G	
241250418	4/2,5	R1/8	23	7,5	12
241250618	6/4	R1/8	25,5	7,5	12
241250628	6/4	R1/4	29,5	11	14
241250638	6/4	R3/8	30	11,5	17
241250818	8/6	R1/8	27	7,5	14
241250828	8/6	R1/4	31	11	14
241250838	8/6	R3/8	31,5	11,5	17
241250848	8/6	R1/2	34	14	22
241251018	10/8	R1/8	29	7,5	14
241251028	10/8	R1/4	33	11	14
241251038	10/8	R3/8	33,5	11,5	17
241251048	10/8	R1/2	36,5	14	22
241251238	12/10	R3/8	35	11,5	17
241251248	12/10	R1/2	38	14	22



### Straight Female Adaptor

Model	O/D I/D Tube (ØA)	Female BSPP (B)	C	G	
242260618	6/4	G1/8	23,5	7,5	14
242260628	6/4	G1/4	27	11	17
242260638	6/4	G3/8	28	11,5	22
242260818	8/6	G1/8	24,5	7,5	14
242260828	8/6	G1/4	28,5	11	17
242260838	8/6	G3/8	29	11,5	22
242260848	8/6	G1/2	33	15	24
242261028	10/8	G1/4	30,5	11	17
242261038	10/8	G3/8	33,5	11,5	22
242261048	10/8	G1/2	35,5	15	24



### Straight Male Adaptor

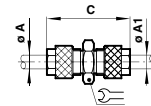
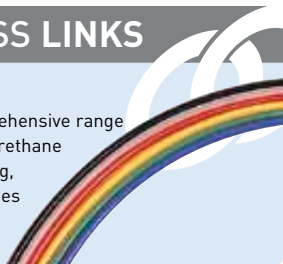
Model	O/D I/D Tube (ØA)	Male BSPP (B)	C	G	
242250405	4/2,5	M5	19,5	3	8
242250418	4/2,5	G1/8	21,5	4	13
242250605	6/4	M5	22	3	8
242250618	6/4	G1/8	24	4	13
242250638	6/4	G3/8	19	6	19
242250648	6/4	G1/2	24	7	24
242250818	8/6	G1/8	14	4	14
242250828	8/6	G1/4	17	5	17
242250838	8/6	G3/8	19	6	19
242250848	8/6	G1/2	24	7	24
242251018	10/8	G1/8	14	4	14
242251028	10/8	G1/4	17	5	17
242251038	10/8	G3/8	19	6	19
242251048	10/8	G1/2	24	7	24
242251238	12/10	G3/8	19	6	19
242251248	12/10	G1/2	24	7	24
242251548	15/12,5	G1/2	24	7	24

Supplied complete with sealing washer

### EXPRESS LINKS

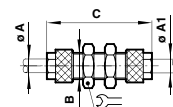
#### Tubing...

For our comprehensive range of nylon, polyurethane and weld tubing, please see pages 267 to 269



### Straight Connector

Model	O/D I/D Tube (ØA)	O/D I/D Tube (ØA1)	C	
240200400	4/2,5	4/2,5	27,5	8
240200600	6/4	6/4	32	12
240200806	8/6	6/4	33,5	12
240200800	8/6	8/6	35	12
240201000	10/8	10/8	39	14
240201200	12/10	12/10	43	17

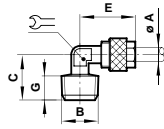


### Bulkhead Connector


Model	O/D I/D Tube (ØA)	ØA1	B	C	
240290400	4/2,5	4/2,5	M6x0,5	39,5	9
240290600	6/4	6/4	M10x1	45,5	14
240290806	8/6	6/4	M12x1	47,5	17
240290800	8/6	8/6	M12x1	48,5	17
240291000	10/8	10/8	M14x1	54	17
240291200	12/10	12/10	M16x1	57	19

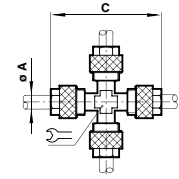
## PUSH-ON TUBE FITTINGS 24 Series

Metric  $\varnothing$  4/2,5 mm to 15/12,5 mm OD/ID tube




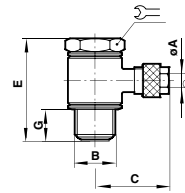
### Elbow Male Adaptor

Model	O/D I/D Tube (ØA)	Male BSPT (B)	C	E	G	
241450418	4/2,5	R1/8	15	18,5	7,5	8
241450618	6/4	R1/8	15	18,5	7,5	8
241450628	6/4	R1/4	19	20,5	11	8
241450638	6/4	R3/8	20,5	21	11,5	9
241450818	8/6	R1/8	16,5	20	7,5	9
241450828	8/6	R1/4	19	22	11	9
241450838	8/6	R3/8	21	23,5	11,5	9
241450848	8/6	R1/2	28	23,5	14	16
241451018	10/8	R1/8	18	24	7,5	11
241451028	10/8	R1/4	22	24	11	11
241451038	10/8	R3/8	22	25,5	11,5	11
241451048	10/8	R1/2	16	28	25,5	11
241451238	12/10	R3/8	22,5	27	11,5	13
241451248	12/10	R1/2	28	27	14	16




### Equal Cross Connector

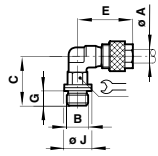
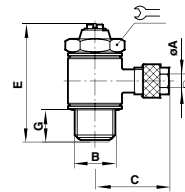
Model	O/D I/D Tube (ØA)	C	
240900600	6/4	41,5	8
240900800	8/6	44,5	9
240901000	10/8	51	11
240901200	12/10	58	13




### Elbow Banjo Assembly Non-Regulating Bolt

Model	O/D I/D Tube (ØA)	Bolt Thread (B)	C	E	G	
24A510405	4/2,5	M5	16,5	18	4	8
24A510418	4/2,5	G1/8	23,5	27,5	6	14
24A510605	6/4	M5	16,5	18	4	8
24A510618	6/4	G1/8	23,5	27,5	6	14
24A510628	6/4	G1/4	25,5	30	8	17
24A510638	6/4	G3/8	27	30,5	9	19
24A510818	8/6	G1/8	24,5	27,5	6	14
24A510828	8/6	G1/4	27,5	30	8	17
24A510838	8/6	G3/8	27,5	30,5	9	19
24A511028	10/8	G1/4	29,5	30	8	17
24A511238	12/10	G3/8	31,5	30,5	9	19
24A511248	12/10	G1/2	35	31,5	10	24

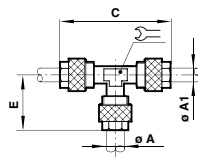
Supplied complete with sealing washer




### Swivel Elbow Adaptor

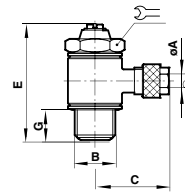
Model	O/D I/D Tube (ØA)	Male BSPP (B)	C	E	G	ØJ	
242470618	6/4	G1/8	20	20,5	4	14	14
242470628	6/4	G1/4	22	20,5	5	18	17
242470818	8/6	G1/8	20	21,5	4	14	14
242470828	8/6	G1/4	23	23	5	18	17
242471028	10/8	G1/4	24	24	5	18	17

Supplied complete with sealing washer




### Tee Connector

Model	O/D I/D Tube (ØA)	(ØA1)	C	E	
240600400	4/2,5	4/2,5	38,5	19,5	8
240600600	6/4	6/4	41	20,5	8
240600806	8/6	6/4	44	20,5	9
240600800	8/6	8/6	44	22	9
240601006	10/8	6/4	51	20,5	11
240601008	10/8	8/6	51	22	11
240601000	10/8	10/8	51	25,5	11
240601200	12/10	12/10	54	28	13



### Banjo Flow Regulator Regulating Out

Model	O/D I/D Tube (ØA)	Bolt Thread (B)	C	E	G	
24K510405	4/2,5	M5	16,5	24	4	8
24K510418	4/2,5	G1/8	23,5	30,5	6	14
24K510605	6/4	M5	16,5	24	4	8
24K510618	6/4	G1/8	23,5	30,5	6	14
24K510628	6/4	G1/4	25,5	30,5	8	17
24K510818	8/6	G1/8	24,5	30,5	6	14
24K510828	8/6	G1/4	27,5	35,5	8	17
24K511028	10/8	G1/4	29,5	35,5	8	17

# COMPRESSION FITTINGS EXTERNAL NUT 43 Series

Metric  $\varnothing$  4 to 22 mm O/D tube



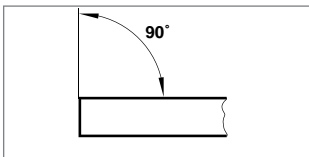
## MATERIALS

Brass to OT 58 UNI 5705 for all items, except plastic washers

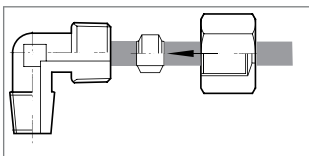
**Plastic washers:** nylon

All brass items have a nickel plated finish unless otherwise stated

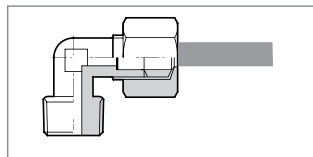
## METHOD OF ASSEMBLY



**1** Ensure that the tube is cut square and is free from fraze.



**2** For larger sizes of metal tubes it is beneficial to lightly oil the tubing nut and sleeve before tightening the joint. Place the tubing nut and sleeve on the tube and push the tube into the fitting until it bottoms on the tube stop.



**3** Holding the tube firmly in contact with the tube stop screw the tubing nut down finger tight and then tighten a further 11/4-11/2 full turns. Slacken off the assembly and ensure that the groove made by sleeve is even. Release nut and re-tighten nut an extra quarter turn.

### Note

When fitting to curved tubes ensure that section entering the fitting is straight for a minimum of twice the nut height.

The method of preparation and assembly described will ensure leak-proof joints over a wide pressure range, depending upon the size and type of tubing being used. Failure to follow this guide, or over-tightening at any joint, may lead to damage of the fittings or an unsatisfactory seal.

**Rugged and durable**

**Ideal for most industrial applications**

**Wide range of types and sizes**

**Thread sizes from 1/8" to 1" BSP**

**Supplied assembled with tubing sleeves, nuts and appropriate seals**

## TECHNICAL DATA

### Medium:

These fittings are designed for use with compressed air, oils, water and other fluids used in pneumatic and low pressure hydraulic applications

Consult our Technical Service for details

### Operating pressure:

The maximum working pressure is limited by the type of tubing being used

### Ambient temperature:

The maximum working temperature is limited by the type of tubing being used

### Tube sizes:

4, 6, 8, 10, 12, 14, 15, 16, 18, 22 mm O/D

Threads used on products conform to:

ISO 7,1 Taper BSP

ISO 228 Parallel BSP

ISO R/226 metric

### Tube types:

Nylon 11 or 12 and other plasticised or unplasticised tubing and other soft plastic tubing

Copper, annealed and half-hard

Double wall brazed steel tube (Bundy)

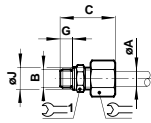
## EXPRESS LINKS

### Tubing...

For our comprehensive range of nylon, polyurethane and weld tubing, please see pages 267 to 269

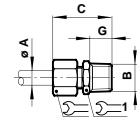
# COMPRESSION FITTINGS EXTERNAL NUT 43 Series

Metric Ø 4 to 22 mm O/D tube



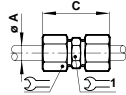
## Straight Male Adaptor

Model	O/D Tube (ØA)	BSPP Thread (B)	C	G	ØJ		
432250418	4	G1/8	26	7,5	14	10	13
432250618	6	G1/8	27	7,5	14	13	13
432250628	6	G1/4	30,5	9,5	18	13	17
432250818	8	G1/8	30	7,5	14	14	13
432250828	8	G1/4	32,5	9,5	18	14	17
432250838	8	G3/8	36,5	13	21	14	22
432251028	10	G1/4	35	9,5	18	19	17
432251038	10	G3/8	39	13	21	19	22
432251438	14	G3/8	39,5	13	21	24	22
432251448	14	G1/2	41,5	14,5	26	24	27
432252268	22	G3/4	48	15,5	33	36	32
432252288	22	G1	51	17,5	41	36	41



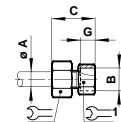
## Straight Male Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	G		
431250418	4	R1/8	26,5	7,5	10	10
431250428	4	R1/4	29,5	11	10	14
431250618	6	R1/8	28	7,5	13	11
431250628	6	R1/4	31,5	11	13	14
431250638	6	R3/8	32	11,5	13	17
431250818	8	R1/8	30	7,5	14	13
431250828	8	R1/4	33,5	11	14	14
431250838	8	R3/8	34	11,5	14	17
431251028	10	R1/4	36	11	19	16
431251038	10	R3/8	36,5	11,5	19	17
431251048	10	R1/2	38	13	19	21
431251228	12	R1/4	36,5	11	22	18
431251238	12	R3/8	37	11,5	22	18
431251248	12	R1/2	38,5	13	22	21
431251438	14	R3/8	38,5	11,5	24	20
431251448	14	R1/2	39,5	13	24	21
431251548	15	R1/2	39,5	13	24	21
431251648	16	R1/2	42	13	27	22
431251668	16	R3/4	43,5	14,5	27	27
431251848	18	R1/2	42,5	13	30	24
431251868	18	R3/4	44	14,5	30	27
431252248	22	R1/2	45	13	36	30
431252268	22	R3/4	46,5	14,5	36	30



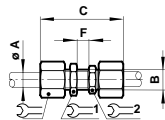
## Straight Connector

Model	O/D Tube (ØA)	C		
430200400	4	33	10	10
430200600	6	36	13	11
430200800	8	40	14	13
430201000	10	45,5	19	16
430201200	12	46,5	22	18
430201400	14	47	24	21
430201500	15	51	24	21
430201600	16	52	27	22
430201800	18	54	30	26
430202200	22	57	36	30



## Straight Female Adaptor

Model	O/D Tube (ØA)	BSPP Thread (B)	C	G		
432260418	4	G1/8	25	8,5	14	10
432260618	6	G1/8	26	8,5	14	13
432260628	6	G1/4	28,5	11	17	13
432260818	8	G1/8	28	8,5	14	14
432260828	8	G1/4	30,5	11	17	14
432260838	8	G3/8	31	11,5	20	14
432261028	10	G1/4	33	11	17	19
432261038	10	G3/8	33,5	11,5	20	19
432261048	10	G1/2	35,5	13,5	24	19
432261228	12	G1/4	33,5	11	18	22
432261238	12	G3/8	34	11,5	20	22
432261248	12	G1/2	36	13,5	24	22
432261438	14	G3/8	33,5	20	24	11,5
432261448	14	G1/2	36	24	24	13,5
432261548	15	G1/2	36,5	24	24	13,5
432261648	16	G1/2	38,5	24	27	13,5
432261668	16	G3/4	40	30	27	14,5
432261848	18	G1/2	39	24	30	13,5
432261868	18	G3/4	40,5	30	30	14,5
432262268	22	G3/4	41	30	36	14,5



## Bulkhead Connector

Model	O/D Tube (ØA)	B	C	F			
430290400	4	M8x1,0	49	12	10	13	10
430290600	6	M10x1,0	53	12,5	13	14	13
430290800	8	M12x1,0	57	12,5	14	17	14
430291000	10	M16x1,5	64	13	19	22	19
430291200	12	M18x1,5	70	17	22	22	22
430291400	14	M20x1,5	72	19	24	24	24

Minimum bulkhead thickness 3,0 mm

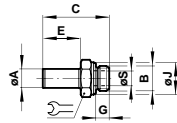
FITTINGS, TUBING & ACCESSORIES

6



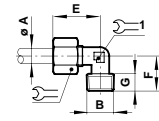
# COMPRESSION FITTINGS EXTERNAL NUT 43 Series

Metric Ø 4 to 22 mm O/D tube



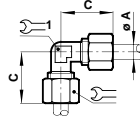
## Straight Stem Adaptor

Model	O/D Stem (ØA)	BSPP Thread (B)	C	E	G	ØJ	ØS	Wrench 1
432150618	6	G1/8	27,5	16	6,5	14	4	10
432150628	6	G1/4	31	16	8	18	4	13
432150818	8	G1/8	31,5	19	6,5	14	5,5	14
432150828	8	G1/4	34	19	8	18	6	19
432150838	8	G3/8	38	19	11	21	6	22
432151028	10	G1/4	35	20	8	18	8	24
432151038	10	G3/8	39	20	11	21	8	24
432151438	14	G3/8	40	21	11	21	11	27
432151448	14	G1/2	42	21	12	26	12	30



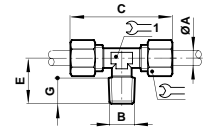
## Male Elbow Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	E	F	G	Wrench 1	Wrench 2
431450418	4	R1/8	21,5	15	7,5	10	8
431450618	6	R1/8	26	18	7,5	13	9
431450628	6	R1/4	24	19	11	13	9
431450818	8	R1/8	30	18	7,5	14	11
431450828	8	R1/4	30	22	11	14	11
431450838	8	R3/8	30,5	24	11,5	14	13
431451028	10	R1/4	33	23,5	11	19	13
431451038	10	R3/8	33	24	11,5	19	13
431451048	10	R1/2	35	25	13	19	14
431451228	12	R1/4	35,5	24	11	22	14
431451238	12	R3/8	35,5	24,5	11,5	22	14
431451248	12	R1/2	35,5	25	13	22	14
431451438	14	R3/8	38,5	26	11,5	24	17
431451448	14	R1/2	38,5	28,5	13	24	17
431451548	15	R1/2	38,5	28,5	13	24	17
431451648	16	R1/2	39,5	28	13	27	17
431451848	18	R1/2	40,5	29,5	13	30	20
431451868	18	R3/4	40,5	32	11,5	30	20
431452268	22	R3/4	43	34	11,5	36	27



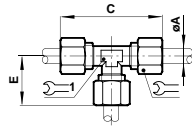
## Elbow Connector

Model	O/D Tube (ØA)	C	Wrench 1	Wrench 2
430400400	4	21,5	10	8
430400600	6	26	13	9
430400800	8	30	14	11
430401000	10	33	19	13
430401200	12	35,5	22	14
430401400	14	36,5	24	17
430401500	15	37,5	24	17
430401600	16	39	27	17
430401800	18	40,5	30	20
430402200	22	43	36	27



## Male Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	C	E	G	Wrench 1	Wrench 2
431650418	4	R1/8	42	15	7,5	10	8
431650618	6	R1/8	48	16,5	7,5	13	9
431650628	6	R1/4	48	20,5	11	13	9
431650818	8	R1/8	56	16,5	7,5	14	12
431650828	8	R1/4	56	20,5	11	14	12
431650838	8	R3/8	60	23	11,5	14	13
431651028	10	R1/4	64	22,5	11	19	13
431651038	10	R3/8	64	23,5	11,5	19	13
431651048	10	R1/2	68	27	13	19	14
431651228	12	R1/4	68	24,5	11	22	14
431651238	12	R3/8	71	24,5	11,5	22	14
431651248	12	R1/2	71	25	13	22	14
431651438	14	R3/8	77	26	11,5	24	17
431651448	14	R1/2	77	28,5	13	24	17
431651548	15	R1/2	77	28,5	13	24	17
431651648	16	R1/2	79	28	13	27	17
431651848	18	R1/2	81	29,5	13	30	20
431651868	18	R3/4	81	32	14,5	30	20
431652268	22	R3/4	86	34	11,5	36	27

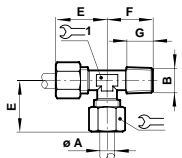


## Tee Connector

Model	O/D Tube (ØA)	C	E	Wrench 1	Wrench 2
430600400	4	43	21,5	10	8
430600600	6	48	24	13	9
430600800	8	57	28,5	14	12
430601000	10	64	32	19	13
430601200	12	70	35	22	14
430601400	14	77	38,5	24	18
430601500	15	77	38,5	24	18
430601600	16	78	39	27	17
430601800	18	81	40,5	30	20
430602200	22	86	43	36	27

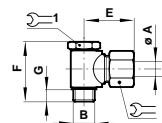
# COMPRESSION FITTINGS EXTERNAL NUT 43 Series

Metric Ø 4 to 22 mm O/D tube



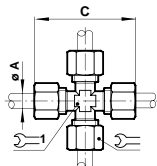
## Male Side Tee Adaptor

Model	O/D Tube (ØA)	BSPT Thread (B)	E	F	G	Wrench 1	Wrench 2
431750418	4	R1/8	15	21	7,5	10	8
431750618	6	R1/8	19	24	7,5	13	9
431750628	6	R1/4	20	26	11	13	9
431750818	8	R1/8	18	26	7,5	14	12
431750828	8	R1/4	20	26	11	14	12
431750838	8	R3/8	23	26	11,5	14	13



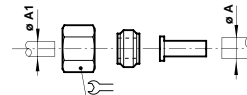
## Elbow Banjo Assembly

Model	O/D Tube (ØA)	BSPB Thread (B)	E	F	G	Wrench 1	Wrench 2
43A510418	4	G1/8	22,5	31	8	10	14
43A510618	6	G1/8	23,5	31	8	13	14
43A510628	6	G1/4	26,5	33,5	6	13	17
43A510818	8	G1/8	28,5	31	8	14	14
43A510828	8	G1/4	28,5	33,5	6	14	17
43A510838	8	G3/8	30	34,5	8	14	19
43A511028	10	G1/4	32,5	33,5	7	19	17
43A511038	10	G3/8	32,5	34,5	8	19	19
43A511428	14	G1/4	36,5	44	8	24	17
43A511438	14	G3/8	36,5	46	9	24	22
43A511448	14	G1/2	36,5	49	11	24	24
43A512268	22	G3/4	46	64	12	36	32



## Four Way Connector

Model	O/D Tube (ØA)	C	Wrench 1	Wrench 2
430900400	4	46	10	8
430900600	6	48	13	8
430900800	8	58	14	11
430901000	10	66	19	13
430901200	12	74	22	17
430901400	14	74	24	17



## Reducing Connector

Model	O/D Tube (ØA)	O/D Tube (ØA1)	Wrench
430280604	6	4	13
430280806	8	6	14
430281008	10	8	19
430281210	12	10	22
430281412	14	12	24

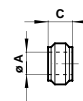
Natural brass finish for sleeve and reducer.



## Tube Support

Model	O/D I/D Tube (ØA)	C	ØD
430330403	4/2,7	13,5	3,8
430330604	6/4	13,5	5
430330806	8/6	16,5	7
430331008	10/8	17,5	9
430331209	12/9	19,5	11
430331210	14/10	19	11
430331412	14/12	21,5	13,5
430331512	15/12,5	21,5	14
430331613	16/13	22,5	15
430331815	18/15	23,5	17,5
430331816	18/16	23,5	17,5
430332218	22/18	25	19

Natural brass finish. For use on plastic tubing.



## Universal Tubing Sleeve

Model	O/D Tube (ØA)	C
430020400	4	6
430020600	6	6,5
430020800	8	7
430021000	10	8
430021200	12	8,5
430021400	14	8,5
430021500	15	8,5
430021600	16	9
430021800	18	9,5
430022200	22	10

Natural brass finish.

# BSP & HOSE FITTINGS

M5, 1/8" to 1" BSP



- Bright nickel plated.
- Corrosion resistant.
- Compact design.
- Washers included where necessary.

## TECHNICAL DATA

### Medium:

Compressed air or any fluids compatible with the materials listed opposite.

### Operating pressure:

Generally limited by tubing specification except where plastic sealing washers are used (banjo bolts and M5 units). In these cases pressure is limited to 18 bar. Suitable for vacuum applications. flow regulating banjos are limited to 1 to 10 bar operating range.

### Ambient temperature:

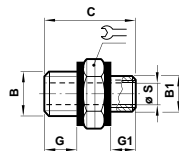
Generally limited by tubing specification except where plastic sealing washers are used (banjo bolts, and M5 units). In these cases temperature is limited to +70°C.

## MATERIALS

**Bar parts:** Brass to BS 2874: 1986 (CZ 121), bright nickel plated

**Stamped parts:** Brass to BS 2872: 1969 (CZ 122), bright nickel plated

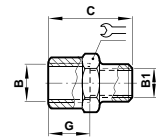
**Sealing washers:** Copper (Delrin for M5 items)



### Nipple Adaptor

Model	Metric & BSPP Thread (B)	Metric & BSPP Thread (B1)	C	G	G1	ØS	
160200505	M5	M5	11,5	4	4	2	8
160201805	G1/8	M5	14,5	6	4	2	14
160201818	G1/8	G1/8	16,5	6	6	5,5	14
160202818	G1/4	G1/8	19	8	6	5,5	17
160202828	G1/4	G1/4	21	8	8	8	17
160203828	G3/8	G1/4	22	9	8	8	19
160203838	G3/8	G3/8	23	9	9	11	19
160204828	G1/2	G1/4	23,5	10	8	8	24
160204838	G1/2	G3/8	24,5	10	9	11	24
160204848	G1/2	G1/2	25,5	10	10	15	24
160206848	G3/4	G1/2	27,5	12	10	15	30
160206868	G3/4	G3/4	53	14,5	14,5	18	32
160208848	G1	G1/2	56,5	17,5	13,5	14	41
160208868	G1	G3/4	58	17,5	14,5	18	41
160208888	G1	G1	61	17,5	17,5	25	41

Supplied with sealing washers.

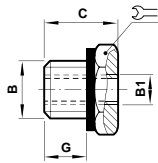


### Sleeve Adaptor

Model	Metric & BSPP Thread (B)	Metric & BSPP Thread (B1)	C	G	
160220505	M5	M5	11	11	8
160221805	G1/8	M5	13	7,5	14
160221818	G1/8	G1/8	15	15	14
160222818	G1/4	G1/8	19	9,5	17
160222828	G1/4	G1/4	22	22	17
160223818	G3/8	G1/8	20	10,5	22
160223828	G3/8	G1/4	23	10,5	22
160223838	G3/8	G3/8	24	24	22
160224818	G1/2	G1/8	24	13	24
160224828	G1/2	G1/4	25	13	24
160224838	G1/2	G3/8	27,5	13	24
160224848	G1/2	G1/2	30	30	26
160226848	G3/4	G1/2	30	14,5	30
160226868	G3/4	G3/4	31	31	32
160228868	G1	G3/4	39	17	40
160228888	G1	G1	45,5	46,5	41

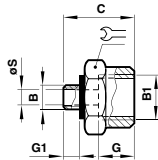
# BSP & HOSE FITTINGS

M5, 1/8" to 1" BSP



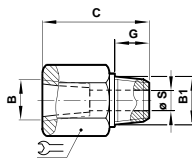
## BSP Connector

Model	Reducing Male BSPP (B)	Female and BSPP Thread (B1)	C	G	
160231805	G1/8	M5	10,5	6	14
160232805	G1/4	M5	15,5	7,5	17
160232818	G1/4	G1/8	13	8	17
160233818	G3/8	G1/8	14	9	19
160233828	G3/8	G1/4	14	9	19
160234818	G1/2	G1/8	15,5	10	24
160234828	G1/2	G1/4	15,5	10	24
160234838	G1/2	G3/8	15,5	10	24
160236828	G3/4	G1/4	23	14	32
160236838	G3/4	G3/8	17,5	12	30
160236848	G3/4	G1/2	17,5	12	30



Model	Metric & BSPP Thread (B)	Female BSPP (B1)	C	G	G1	ØS	
160230518	M5	G1/8	14,5	4	7,5	2	14
160231828	G1/8	G1/4	19,5	6	9,5	5,5	17
160231838	G1/8	G3/8	21	6	10,5	5,5	22
160232838	G1/4	G3/8	22,5	8	10,5	8	22
160232848	G1/4	G1/2	26	8	13	8	26
160232868	G1/4	G3/4	33	7,5	16,5	6,5	32
160233848	G3/8	G1/2	27	9	13	11	26
160233868	G3/8	G3/4	34	8,5	16,5	9,5	32
160234868	G1/2	G3/4	38	11,5	16,5	13,5	32

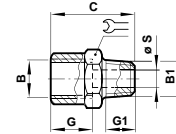
Supplied with sealing washer.



## Adaptor

Model	Female NPTF (B)	Male BSPT (B1)	C	G	ØS	
154231818	1/8 NPT	R1/8	27,5	9,5	4,5	15
154232828	1/8 NPT	R1/4	36	11	7,5	19
154233838	3/8 NPT	R3/8	38	12,5	9,5	22
154234848	1/2 NPT	R1/2	47	16	13	27
154236868	3/4 NPT	R3/4	50	19	17,5	36

Model	Female BSPP (B)	Male BSPT (B1)	C	G	ØS	
172232828	G1/4	1/8 NPT	33,5	14,5	7,5	19
172233838	G3/8	3/8 NPT	33,5	14,5	9,5	24
172234848	G1/2	1/2 NPT	44	19	12,5	27



## BSP Connector

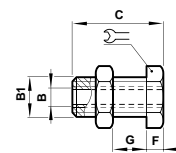
Model	Male BSPT (B)	Female BSPP (B1)	C	G	G1	ØS	
150231818	R1/8	G1/8	20	7,5	7,5	5,5	14
150232818	R1/4	G1/8	16	11	7,5	5,5	14
150232828	R1/4	G1/4	26	11	9,5	8	17
150233818	R3/8	G1/8	16,5	11,5	7,5	5,5	17
150233828	R3/8	G1/4	16,5	11,5	9,5	8	17
150233838	R3/8	G3/8	27,5	11,5	10,5	11	22
150234818	R1/2	G1/8	19,5	14	7,5	5,5	22
150234828	R1/2	G1/4	19,5	14	9,5	8	22
150234838	R1/2	G3/8	19,5	14	10,5	11	22
150234848	R1/2	G1/2	33	14	13	15	26
150236828	R3/4	G1/4	29,5	18,5	11	11,5	27
150236838	R3/4	G3/8	23,5	16,5	10,5	11	27
150236848	R3/4	G1/2	23,5	16,5	13	15	27
150238838	R1	G3/8	34,5	21,5	14	15	35
150238848	R1	G1/2	26,5	19	13	15	34
150238868	R1	G3/4	26,5	19	14,5	19	34

Model	Male BSPT (B)	Female BSPP (B1)	C	G	G1	ØS	
150231828	R1/8	G1/4	22	7,5	9,5	5	17
150231838	R1/8	G3/8	22,5	7,5	10,5	5	22
150231848	R1/8	G1/2	31	8,5	15	5	27
150232838	R1/4	G3/8	27	11	10,5	8	22
150232848	R1/4	G1/2	30	11	13	8	26
150232868	R1/4	G3/4	37,5	11	16,5	7	32
150233848	R3/8	G1/2	30,5	11,5	13	11	26
150233868	R3/8	G3/4	38,5	12,5	16,5	11	32
150234868	R1/2	G3/4	35	14	14,5	15	32
150236888	R3/4	G1	45	19	19	18	41

## Bulkhead Connector

Model	Metric & BSPP Thread (B)	Male Metric Thread (B1)	C	F	G max.	
160290005	M5	M10X1,0	14	3,5	7	14
160290018	G1/8	M16X1,5	18	4	10	22
160290028	G1/4	M20X1,5	25	4	16	27
160290038	G3/8	M26X1,5	26	5	15	32
160290048	G1/2	M28X1,5	33	6	21	36
160290068	G3/4	M33X1,5	36,5	6	22,5	41
160290088	G1	M42X1,5	41,5	8	24,5	46
1602900A8	G1 1/4	M48X1,5	50	8	29,5	55

Supplied with locknut

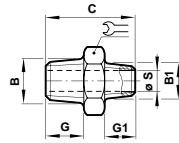


FITTINGS, TUBING & ACCESSORIES

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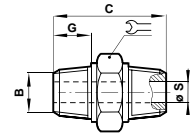
## BSP & HOSE FITTINGS

M5, 1/8" to 1" BSP



### Nipple Adaptor

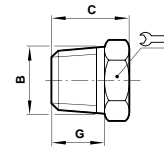
Model	BSPT Thread (B)	BSPT Thread (B1)	C	G	G1	ØS	
150201818	R1/8	R1/8	19,5	7,5	7,5	5,5	12
150202818	R1/4	R1/8	23,5	11	7,5	5,5	14
150202828	R1/4	R1/4	27	11	11	6,4	14
150203818	R3/8	R1/8	24	11,5	7,5	5,5	17
150203828	R3/8	R1/4	27,5	11,5	11	8	17
150203838	R3/8	R3/8	28	11,5	11,5	11	17
150204818	R1/2	R1/8	27	14	7,5	5,5	22
150204828	R1/2	R1/4	30,5	14	11	8	22
150204838	R1/2	R3/8	31	14	11,5	11	22
150204848	R1/2	R1/2	33,5	14	14	15	22
150206828	R3/4	R1/4	37	19	11	6,4	27
150206838	R3/4	R3/8	39	19	12,5	9	27
150206848	R3/4	R1/2	37,5	16	14	15	27
150206868	R3/4	R3/4	40	16,5	16,5	19	27
150208838	R1	R3/8	43	22	12,5	9	36
150208848	R1	R1/2	46	22	16	12,5	36
150208868	R1	R3/4	43	19	16,5	19	34
150208888	R1	R1	45,5	19	19	23	34



### Hexagon Nipple

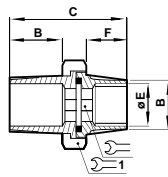
Model	Male BSPT (A)	Male NPTF (B)	C	ØD	G	G1	
154201818	1/8 NPT	R1/8	27	4,5	9,5	9,5	11
154202828	1/8 NPT	R1/4	3,5	7,5	11	14,5	14
154203838	3/8 NPT	R3/8	37	9,5	12,5	14,5	17
154204848	1/2 NPT	R1/2	46,5	12,5	16	19	22
154206868	3/4 NPT	R3/4	47,5	17,5	19	19	27

Adaptor fittings – allow connection between components and system using BSP or NPT threads



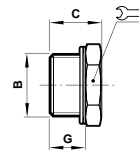
### Plug

Model	BSPT Thread (B)	C	G	
150050028	R1/4	16,5	11	14
150050038	R3/8	19	12,5	17
150050048	R1/2	22,5	16	22
150050068	R3/4	27	19	27
150050088	R1	30	22	36



### Flat Union

Model	Male BSPT (B)	C	ØE	F		1
150331818	R1/8	33,5	15	10	5	15
150332828	R1/4	42	18,5	13	8	24
150333838	R3/8	43	19	13	10	27
150334848	R1/2	52	23	17,5	14	30
150336868	R3/4	56,5	25	19	17	38
150338888	R1	68	29	23	19	46



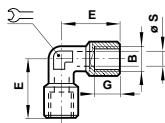
### Plug

Model	Metric & BSPP Threads (B)	C	G	
160050005	M5	7,5	4	8
160050018	G1/8	10	6,5	14
160050028	G1/4	13	9	17
160050038	G3/8	13,5	9,5	19
160050048	G1/2	14,5	10	24
160050068	G3/4	16	11	30
160050088	G1	17	12	40


Supplied with sealing washer

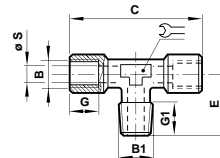
# BSP & HOSE FITTINGS

M5, 1/8" to 1" BSP




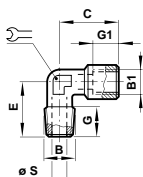
## Elbow

Model	Female BSPP (B)	E	G	ØS	
160420018	G1/8	21	7	5,5	12
160420028	G1/4	25,5	9,5	8	13
160420038	G3/8	28	11,5	11	16
160420048	G1/2	32	15	15	20
160420068	G3/4	36,5	14,5	19	27




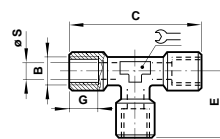
## Tee

Model	Male BSPT (B1)	Female BSPP (B)	C	E	G	G1	ØS	
150690018	R1/8	G1/8	39	17,5	8,5	8	6	12
150690028	R1/4	G1/4	49	23	11	11	8	13
150690038	R3/8	G3/8	54	25,5	12	11,5	11	16
150690048	R1/2	G1/2	64	29	15	14	15	20




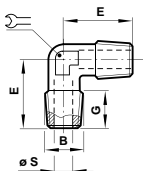
## Elbow

Model	Male BSPT (B)	Female BSPP (B1)	C	E	G	G1	ØS	
150430018	R1/8	G1/8	21	18,5	8	7	5,5	12
150430028	R1/4	G1/4	25,5	24	11	9,5	8	13
150430038	R3/8	G3/8	28	27	11,5	11,5	11	16
150430048	R1/2	G1/2	32	29,5	14	13	15	20
150430068	R3/4	G3/4	36,5	32	14,5	14,5	19	27




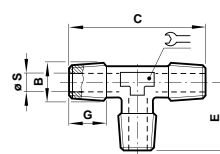
## Tee

Model	Female BSPP (B)	C	E	G	ØS	
160620018	G1/8	39	19,5	8,5	6	12
160620028	G1/4	49	14,5	11	8	13
160620038	G3/8	54	27	12	11	16
160620048	G1/2	64	29	15	15	20
160620068	G3/4	73	36,5	14,5	19	27




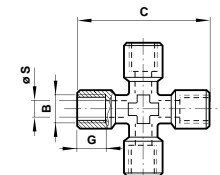
## Elbow

Model	BSPT Thread (B)	E	G	ØS	
150400018	R1/4	18,5	7,5	6	12
150400028	R1/4	24	11	8	13
150400038	R3/8	27	12	11	16
150400048	R3/8	29,5	14	15	20



## Tee

Model	BSPT Thread (B)	C	E	G	ØS	
150600028	R1/4	46	23	11	8	13



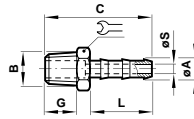
## Cross

Model	Female BSPP (B)	C	G	ØS
160920018	G1/8	39	8,5	6
160920028	G1/4	50	11	8
160920038	G3/8	56	12	11
160920048	G1/2	64	15	15



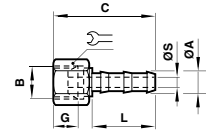
## BSP & HOSE FITTINGS

M5, 1/8" to 1" BSP



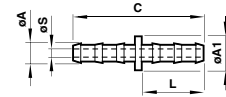
### Hose Adaptor

Model	Hose Bore mm (ØA)	BSPT Thread (B)	C	G	L	ØS min.	
291170418	4	R1/8	32	7,5	19,5	3,2	12
291170618	6	R1/8	32	7,5	19,5	3,2	12
291170628	6	R1/4	35,5	11	19,5	3,2	14
291170638	6	R3/8	42,5	14,5	22,5	5	17
291170718	7	R1/8	32	7,5	19,5	5	12
291170728	7	R1/4	35,5	11	19,5	6	14
291170738	7	R3/8	36	11,5	19,5	6	17
291170828	8	R1/4	35,5	11	19,5	7,5	14
291170838	8	R3/8	36	11,5	19,5	7,5	17
291170918	9	R1/8	36	8,5	22,5	5	13
291170928	9	R1/4	41	12,5	22,5	7,6	14
291170938	9	R3/8	42,5	14	22,5	7,6	17
291170948	9	R1/2	45,5	17	22,5	7,6	22
291171018	10	R1/8	36	8,5	22,5	8,8	13
291171028	10	R1/4	35,5	11	19,5	7,5	14
291171038	10	R3/8	36	11,5	19,5	7,5	17
291171238	12	R3/8	36	11,5	19,5	9,5	17
291171328	13	R1/4	48,5	12,5	29,5	7	16
291171338	13	R3/8	49,5	14,5	29,5	11	17
291171348	13	R1/2	52,5	16,8	29,5	11	22
291171368	13	R3/4	55	18,5	29,5	11	27
291171638	16	R3/8	36	11,5	19,5	11	19
291171648	16	R1/2	39	14	19,5	12,5	22
291171668	16	R3/4	43,5	16,5	19,5	14,5	27
291171938	19	R3/8	58,5	14,5	38	11	22
291171948	19	R1/2	61	17	38	14	22
291171968	19	R3/4	63,5	18,5	38	17,5	27
291172568	25	R3/4	63,5	18,5	38	18	27
291172588	25	R1	67,5	21,5	38	22	35
291173288	32	R1	72,5	21,5	43	24	35



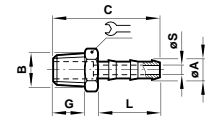
### Swivel Hose Adaptor

Model	Hose Bore Inch ØA	Female BSPP B	C	G	L	ØS	
302180428	1/4	G1/4	35	4,5	22,5	5,3	17
302180438	1/4	G3/8	36	6	22,5	5,3	22
302180628	3/8	G1/4	35	4,5	22,5	6,3	17
302180638	3/8	G3/8	36	6	22,5	8,3	22
302180748	1/2	G1/2	45	7,5	29,5	10,7	27



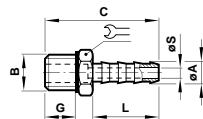
### Hose Connector

Model	Hose Bore Inch ØA	ØA1	C	L	ØS
300140404	1/4	9	47	22,5	5,3
300140505	5/16	12	47	22,5	7
300140606	3/8	13	47	22,5	8,3
300140707	1/2	16	62	29,5	10,7



### Hose Adaptor

Model	Hose Bore Inch ØA	BSPT Thread B	C	G	L	ØS min.	
301170318	3/16	R1/8	36	8,5	22,5	4,2	10
301170328	3/16	R1/4	41	12,5	22,5	4,2	14
301170418	1/4	R1/8	36	8,5	22,5	5,3	10
301170428	1/4	R1/4	41	12,5	22,5	5,3	14
301170438	1/4	R3/8	42,5	14,5	22,5	5,3	17
301170448	1/4	R1/2	45,5	17	22,5	5,3	22
301170518	5/16	R1/8	36	8,5	22,5	5	12
301170618	3/8	R1/8	36	8,5	22,5	5	12
301170628	3/8	R1/4	41	12,5	22,5	7	14
301170638	3/8	R3/8	42,5	14,5	22,5	8,3	17
301170648	3/8	R1/2	45,5	17	22,5	8,3	22
301170728	1/2	R1/4	48,5	12,5	29,5	7	17
301170738	1/2	R3/8	49,5	14,5	29,5	10,7	17
301170748	1/2	R1/2	52,5	17	29,5	10,7	22
301170768	1/2	R3/4	55	18,5	29,5	10,7	27
301170988	3/4	R1	67,5	21,5	38	17,5	35
301171088	1	R1	67,5	21,5	38	22,4	35



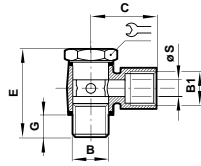
### Hose Adaptor

Model	Hose Bore mm (ØA)	BSPP Thread (B)	C	G	L	ØS min.	
292170305	3	M5	15,5	3,5	7,5	2	8
292170318	3	G1/8	21	7,5	7,5	2	14
292170418	4	G1/8	36,5	7,5	22,5	3,3	14
292170428	4	G1/4	40,5	10	22,5	3,3	19
292170518	5	G1/8	36,5	7,5	22,5	4	14
292170618	6	G1/8	36,5	7,5	22,5	5	14
292170628	6	G1/4	40,5	10	22,5	5	19
292170638	6	G3/8	43	11,5	22,5	5	22
292170918	9	G1/8	36,5	7,5	22,5	7,5	14
292170928	9	G1/4	40,5	10	22,5	7,5	19
292170938	9	G3/8	43	11,5	22,5	7,5	22
292170948	9	G1/2	47	15	22,5	7,5	27
292171328	13	G1/4	47,5	10	29,5	11	19
292171338	13	G3/8	49,5	11,5	29,5	11	22
292171348	13	G1/2	54,5	15	29,5	11	27
292171368	13	G3/4	59,5	16,5	29,5	11	32
292171968	19	G3/4	67,5	16,5	38	17,5	32

Supplied with sealing washer.

## BSP & HOSE FITTINGS

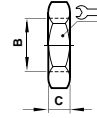
M5, 1/8" to 1" BSP



### Elbow Banjo Assembly Non-Regulating

Model	Male BSPP (B)	Female BSPP (B1)	C	E	G	ØS	
16A511818	G1/8	G1/8	21	29	5	6	14
16A512828	G1/4	G1/4	28	32	6	7,6	17
16A513838	G3/8	G3/8	31	45	9,5	9,6	22
16A514848	G1/2	G1/2	47	47	12	9,6	27

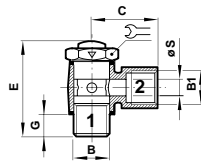
Female parallel BSP thread to male parallel BSP thread



### Locknut

Model	BSPP Thread B	C	
36054601	G1/8	5	13
36054602	G1/4	6,5	17
36054603	G3/8	6,5	22
36054604	G1/2	6,5	27
36054606	G3/4	7	32

Natural brass finish

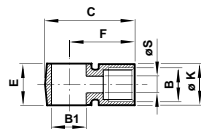


### Elbow Banjo Assembly Regulating Out

Model	Male BSPP (B)	Female BSPP (B1)	C	E	G	ØS	
16K511818	G1/8	G1/8	21	34	5	6	14
16K512828	G1/4	G1/4	28	37	6	7,6	17
16K513838	G3/8	G3/8	31	52	9,5	9,6	22
16K514848	G1/2	G1/2	47	58	12	9,6	27

Arrow on bolt hexagon indicates free flow direction

Pressure range 1 to 10 bar



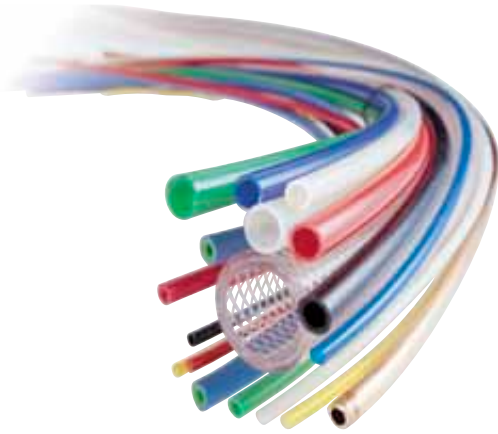
### Elbow Banjo Body

Model	Female BSPP B	Bolt Thread B1	C	E	F	ØK	ØS
160511818	G1/8	1/8"	28	14	21	13	6
160512828	G1/4	1/4"	37	16	28	16	7,6
160513838	G3/8	3/8"	42	20,5	31	20,5	9,6
160514848	G1/2	1/2"	61	22	47	24,5	9,6

Female parallel BSP thread

# TUBING & HOSES

Ø 3 to 16 mm O/D



Available in a range of colours for ease of identification

In addition to general industrial applications Nylon is suitable for use on air braking systems of commercial vehicles and conforms to DIN 74324. (Applicable sizes; 6, 8, 10, 12, 16mm O/D)

25 metre lengths supplied in cartons providing good protection and easy storage

Polyurethane offers excellent mechanical properties and industry leading flexibility

## MATERIALS

**Nylon tube:** Nylon (polyamide) type PA12 fully plasticised and light stabilised. Conforms to material standard of DIN 74324

**Polyurethane tube:** Is light stabilised and has a hardness of Shore D 52

## TECHNICAL DATA

### Medium:

Compressed air. Consult our Technical Service for use with other fluids

### Operating pressure:

See table below

## Maximum operating pressures and bend radii

O/D mm		4	5	6	8	10	12	14	16
Max. pressure (bar)* at -40°C to +20°C	Nylon	31	33	27	19	19	19	16	19
	Polyurethane	10	11	9	9	9	9	-	-
Min. bend radius mm	Nylon	25	25	30	40	60	60	80	95
	Polyurethane	6	7	9	16	17	25	-	-

Maximum continuous working temperature: nylon +80°C, polyurethane +60°C

\* Multiply by factors in table below for use at higher temperatures

## Operating pressure/temperature conversion factors

Working temperature	Factor (Nylon)	Factor (Polyurethane)
-40°C ... +20°C	1,00	1,00
+30°C	0,83	0,85
+40°C	0,75	0,70
+50°C	0,64	0,60
+60°C	0,57	0,50
+80°C	0,47	-

To calculate working pressures at various temperatures, multiply working pressure at -40° to +20°C by factor given in table  
Maximum continuous working temperature: Nylon +80° Polyurethane +60°C

## Tube sizes (metric)

O/D mm	3	4	5	6	8	10	12	14	16
Nylon	-	•	•	•	•	•	•	•	•
Polyurethane	•	•	•	•	•	•	•	-	•

## TUBING & HOSES

Ø 3 to 16 mm O/D



NYLON TUBE									
Colour	Length (m)	O/D I/D tube 4/2,5*	5/3*	6/4	8/6	10/7,5	12/9	14/11*	16/12
Natural	25	PA2-0004025C	PA2-0005025C	PA2-0006025C	PA2-0008025C	PA2-0010025C	PA2-0012025C	PA2-0014025C	PA2-0016025C
Natural	100	PA2-0004100		PA2-0006100	PA2-0008100	PA2-0010100	PA2-0012100		
Red	25	PA2-0104025C	PA2-0105025C	PA2-0106025C	PA2-0108025C	PA2-0110025C	PA2-0112025C	PA2-0114025C	PA2-0116025C
Red	100	PA2-0104100		PA2-0106100	PA2-0108100	PA2-0110100	PA2-0112100		
Green	25	PA2-0204025C	PA2-0205025C	PA2-0206025C	PA2-0208025C	PA2-0210025C	PA2-0212025C	PA2-0214025C	PA2-0216025C
Green	100	PA2-0204100		PA2-0206100	PA2-0208100	PA2-0210100	PA2-0212100		
Yellow	25	PA2-0304025C	PA2-0305025C	PA2-0306025C	PA2-0308025C	PA2-0310025C	PA2-0312025C	PA2-0314025C	PA2-0316025C
Yellow	100	PA2-0304100		PA2-0306100	PA2-0308100	PA2-0310100	PA2-0312100		
Blue	25	PA2-0504025C	PA2-0505025C	PA2-0506025C	PA2-0508025C	PA2-0510025C	PA2-0512025C	PA2-0514025C	PA2-0516025C
Blue	100	PA2-0504100		PA2-0506100	PA2-0508100	PA2-0510100	PA2-0512100		
Black	25	PA2-0704025C	PA2-0705025C	PA2-0706025C	PA2-0708025C	PA2-0710025C	PA2-0712025C	PA2-0714025C	PA2-0716025C
Black	100	PA2-0704100		PA2-0706100	PA2-0708100	PA2-0710100	PA2-0712100		
Silver	25	PA2-0904025C	PA2-0905025C	PA2-0906025C	PA2-0908025C	PA2-0910025C	PA2-0912025C	PA2-0914025C	PA2-0916025C
Silver	100	PA2-0904100		PA2-0906100	PA2-0908100	PA2-0910100	PA2-0912100		

Note: 'C' at last digit in part number indicates packed in a box/carton \*Tube size does not conform to DIN 74324



POLYURETHANE									
Colour	Length (m)	O/D I/D tube 3/2	4/2,5	5/3	6/4	8/5,5	10/7	12/8	16/11
Natural	25	PU2-0003025C	PU2-0004025C	PU2-0005025C	PU2-0006025C	PU2-0008025C	PU2-0010025C	PU2-0012025C	PU2-0016025C
Natural	100		PU2-0004100		PU2-0006100	PU2-0008100	PU2-0010100	PU2-0012100	
Red	25		PU2-0104025C	PU2-0105025C	PU2-0106025C	PU2-0108025C	PU2-0110025C	PU2-0112025C	
Red	100		PU2-0104100		PU2-0106100	PU2-0108100	PU2-0110100	PU2-0112100	
Green	25		PU2-0204025C	PU2-0205025C	PU2-0206025C	PU2-0208025C	PU2-0210025C	PU2-0212025C	
Green	100		PU2-0204100		PU2-0206100	PU2-0208100	PU2-0210100	PU2-0212100	
Yellow	25		PU2-0304025C	PU2-0305025C	PU2-0306025C	PU2-0308025C	PU2-0310025C	PU2-0312025C	
Yellow	100		PU2-0304100		PU2-0306100	PU2-0308100	PU2-0310100	PU2-0312100	
Blue	25	PU2-0503025C	PU2-0504025C	PU2-0505025C	PU2-0506025C	PU2-0508025C	PU2-0510025C	PU2-0512025C	PU2-0516025C
Blue	100		PU2-0504100		PU2-0506100	PU2-0508100	PU2-0510100	PU2-0512100	
Black	25		PU2-0704025C	PU2-0705025C	PU2-0706025C	PU2-0708025C	PU2-0710025C	PU2-0712025C	
Black	100		PU2-0704100		PU2-0706100	PU2-0708100	PU2-0710100	PU2-0712100	
Silver	25		PU2-0904025C		PU2-0906025C	PU2-0908025C	PU2-0910025C	PU2-0912025C	
Silver	100		PU2-0904100		PU2-0906100	PU2-0908100	PU2-0910100	PU2-0912100	

Note: 'C' at last digit in part number indicates packed in a box/carton

## TUBING & HOSES

Ø 3 to 16 mm O/D



### WELD TUBING – BLUE

Model	Diameter (mm)	Length (m)
NORWELD0504050	4	50
NORWELD0506050	6	50
NORWELD0508050	8	50
NORWELD0510050	10	50
NORWELD0512050	12	50
NORWELD0514050	14	50

Ideally suited for use with 10 series pneufit fittings in welding environment applications

### WELD TUBING – BLACK

Model	Diameter (mm)	Length (m)
NORWELD0704050	4	50
NORWELD0706050	6	50
NORWELD0708050	8	50
NORWELD0710050	10	50
NORWELD0712050	12	50
NORWELD0714050	14	50

Ideally suited for use with 10 series pneufit fittings in welding environment applications



### Pneuflex Tubing

Model	O/D Tube	Adaptor (thread)	Length of closed spiral	Working length (mm)	Operating pressure
PU310600218	6	R1/8	165	2000	10 bar
PU310800228	8	R1/4	180	2000	10 bar
PU310800428	8	R1/4	400	4000	10 bar



### Tubing Channels

Model	O/D Tube	No. of channels
100HA0600	6	10
100HA0800	8	10
100H61200	12	6



### Tube Cutter

Model	Type
M/3314	Cutter
39012010	Replacement blade*
39012061	Replacement blade**

For use on nylon and polyurethane tubing 4 to 16 mm

\* Pack of 10

\*\* 1-off



### Tube Clips – single sided

Model	O/D
34021802	4
34021804	6
34021805	8
34021806	10
34021807	12
34021508	16

# QUICK RELEASE COUPLINGS

## SINGLE SHUT OFF QUICK RELEASE COUPLINGS 233 Series Nominal diameter 5 = 20mm<sup>2</sup>

Single shut off: The plug designed straight through, coupling shuts off immediately when connection is broken. The ideal solution for operating compressed air tools

Single handed operation

Compact robust construction

High flow, low pressure drop



### TECHNICAL DATA

Operating pressure:

0 ... 35 bar

Working temperature:

-20°C ... +100°C

Air flow:

560 l/min (6 bar inlet, pressure drop 0,5 bar)

### COMPATIBILITY

Rectus 21, Rectus 90

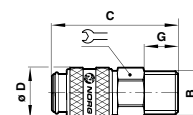
Camozzi

Ewo

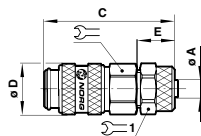
Kani

### Models

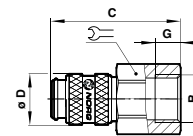
Model	Type (B)	C	ØD	G	
233210018	G1/8 Male	36	16,5	7	14
233210028	G1/4 Male	38	16,5	9	17



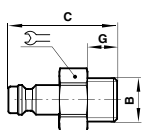
Model	Type (ØA)	C	ØD	E		
233260400	6/4	42	16	11	14	12
233260600	8/6	42	16	11	14	14



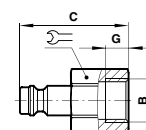
Model	Type (B)	C	ØD	G	
233220018	G1/8 Female	36	16,5	9	14
233220028	G1/4 Female	38	16,5	9	17



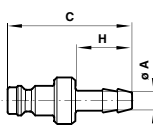
Model	Type (B)	C	G	
233110018	Plug G1/8 Male	25	7	14
233110028	Plug G1/4 Male	27,5	9	17



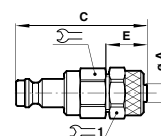
Model	Type (B)	C	G	
233120018	Plug G1/8 Female	24,5	8	14
233120028	Plug G1/4 Female	25	9	17



Model	Type (ØA)	C	H
233130400	Plug 4,0 Tailpiece	32	17
233130600	Plug 6,0 Tailpiece	32	17
233130900	Plug 9,0 Tailpiece	33	17



Model	Type (ØA)	C	E		
233160400	Plug 6/4	31,5	11	14	12
233160600	Plug 8/6	31,5	11	14	14





## QUICK RELEASE COUPLINGS

### DOUBLE SHUT OFF QUICK RELEASE COUPLINGS 233 Series Nominal diameter 5 = 20mm<sup>2</sup>



Double shut off: After disconnection the flow stops in both coupling and plug. The medium is retained in both connection lines and pressure is not released

Single handed operation

Compact robust construction

High flow, low pressure drop

Wide range of connections

#### TECHNICAL DATA

**Operating pressure:**

0 ... 35 bar

**Working temperature:**

-20°C ... +100°C

**Air flow:**

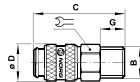
310 l/min (6 bar inlet, pressure drop 0,5 bar)

#### COMPATIBILITY

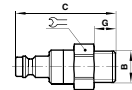
233 Double shut off are not compatible with 233 single shut off due to valve connection method

#### Models

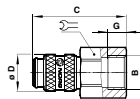
Model	Type	B	C	ØD	G	
233410028	Socket - male thread	G1/4	38	16	9	17



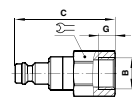
Model	Type	B	C	G	
233310028	Plug - male thread	G1/4	42	9	17



Model	Type	B	C	ØD	G	
233420028	Socket - female thread	G1/4	38	16	9	17



Model	Type	B	C	G	
233320028	Plug - female thread	G1/4	42	7	17



## QUICK RELEASE COUPLINGS

### SINGLE SHUT OFF QUICK RELEASE COUPLINGS 238 Series Nominal diameter 7,2 = 40mm<sup>2</sup>

Single shut off: The plug designed straight through, coupling shuts off immediately when connection is broken. The ideal solution for operating compressed air tools

Single handed operation

European standard industrial coupling

High flow rate, low pressure drop

Industrial standard profile



#### TECHNICAL DATA

Operating pressure:

0 ... 35 bar

Working temperature:

-20°C ... +100°C

Air flow:

1000 l/min (input pressure 6 bar, pressure drop 0,5 bar)

#### COMPATIBILITY

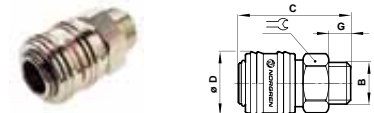
CEJN 320

RECTUS 25 and 26

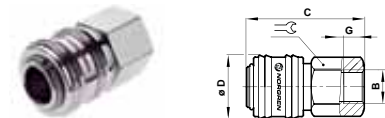
JWL 520 and 530

#### Models

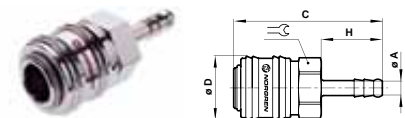
Model	Type	B	C	ØD	G	
238210028	Male	G1/4	39	25	9	22
238210038	Male	G3/8	41	25	9	22
238210048	Male	G1/2	44	25	12	22



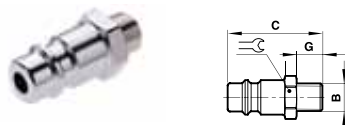
Model	Type	B	C	ØD	G	
238220028	Female Thread	G1/4	41	25	9	22
238220048	Female Thread	G1/2	44	25	10	24



Model	Type	ØA	C	ØD	H	
238230600	Hose Barb	6	58	25	25	21
238230900	Hose Barb	9	58	25	25	21
238231300	Hose Barb	13	58	25	25	21

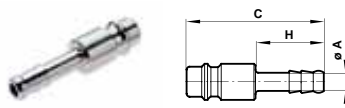


Model	Type	B	C	G	
238110028	Plug Male Thread	G1/4	33	9	17
238110038	Plug Male Thread	G3/8	33	9	19
238110048	Plug Male Thread	G1/2	38	12	24

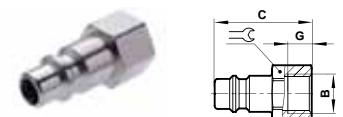


#### Models

Model	Type	ØA	C	H
238130600	Plug Hose Barb	6	48	25
238130900	Plug Hose Barb	9	48	25
238131300	Plug Hose Barb	13	48	25



Model	Type	B	C	G	
238120028	Plug Female Thread	G1/4	33	10	17
238120038	Plug Female Thread	G3/8	33	10	19
238120048	Plug Female Thread	G1/2	35	12	24



## QUICK RELEASE COUPLINGS

### SINGLE SHUT OFF QUICK RELEASE COUPLINGS 234 Series Nominal diameter 7,8 = 48mm<sup>2</sup>

Single shut off: The plug designed straight through, coupling shuts off immediately when connection is broken. The ideal solution for operating compressed air tools

Single handed operation

Low pressure drop

High flow rate

#### TECHNICAL DATA

Operating pressure:

0 ... 35 bar

Working temperature:

-20°C ... +100°C

Air flow:

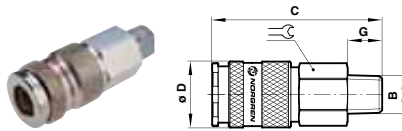
1800 l/min (input pressure 6 bar, pressure drop 0,5 bar)

#### COMPATIBILITY

RECTUS 25 and 26

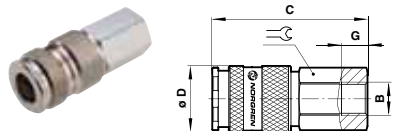
CEJN 320

JWL 520 and 530

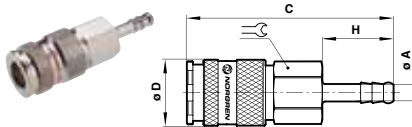


#### Models

Model	Type (B)	C	ØD	G	
234210028	R1/4 Male	60	23	12	19
234210038	R3/8 Male	60	23	12	19
234210048	R1/2 Male	61	23	17	22



Model	Type (B)	C	ØD	G	
234220028	G1/4 Female	56	23	10	19
234220038	G3/8 Female	55	23	9	19
234220048	G1/2 Female	58	23	12	24



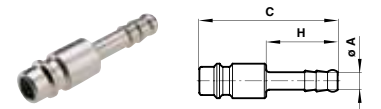
Model	Type (ØA)	C	ØD	H	
234230600	6,0 Tailpiece	74	23	25	19
234230900	9,0 Tailpiece	74	23	25	19
234231300	13,0 Tailpiece	74	23	25	19



Model	Type (B)	C	G	
234120028	Plug G1/4 Female	33	9	17
234120038	Plug G3/8 Female	33	9	19
234120048	Plug G1/2 Female	36	12	24



Model	Type (B)	C	G	
234110028	Plug R1/4 Male	37	12	14
234110038	Plug R3/8 Male	37	12	17
234110048	Plug R1/2 Male	43	17	22



Model	Type (ØA)	C	H
234130600	Plug 6,0 Tailpiece	48	25
234130900	Plug 9,0 Tailpiece	48	25
234131300	Plug 13,0 Tailpiece	48	25

## QUICK RELEASE COUPLINGS

### SINGLE SHUT OFF & SELF VENTING QUICK RELEASE COUPLINGS 237 Series Nominal diameter 5,5 = 25mm<sup>2</sup>

**Single shut off:** The plug designed straight through, coupling shuts off immediately when connection is broken. The ideal solution for operating compressed air tools

**Self venting:** The first stage closes the valve and allows the downstream pressure to vent whilst the coupling is still joined avoiding whiplash. Once the pressure is vented the second stage disconnection releases the plug from the socket



#### TECHNICAL DATA

**Operating pressure:**

0 ... 35 bar

**Working temperature:**

-20°C ... +100°C

**Air flow:**

900 l/min (6 bar inlet pressure, pressure drop 0,5 bar)

#### COMPATIBILITY

INDUSTRIAL INTERCHANGE 1/4"

US-MIL-SPEC-C-4109

ISO 6150 B

RECTUS 23, 24, 1400/1423

Tema 1400

CEJN 310

HANSEN 3000

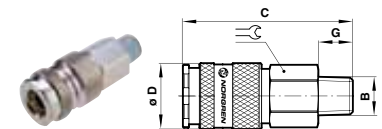
GROMELLE 600

PARKER 20 1/4", 30 1/4"

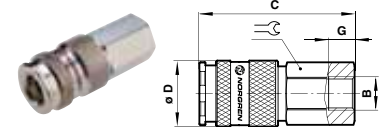
JWL 521, 531

#### Models

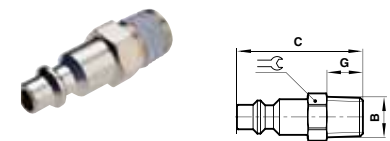
Model	Type (B)	C	ØD	G	↺
237210028	Male Thread R1/4	59	23	12	19
237210038	Male Thread R3/8	59	23	12	19



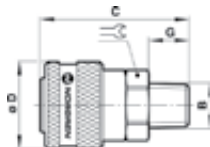
Model	Type (B)	C	ØD	G	↺
237220028	Female Thread G1/4	55	23	10	19
237220038	Female Thread G3/8	54	23	9	19



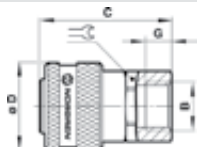
Model	Type (B)	C	G	↺
237110028	Male Thread R1/4	40	12	17
237110038	Male Thread R3/8	40	12	17



Model	Type (B)	C	G	↺
237120028	Female Thread G1/4	36	9	17
237120038	Female Thread G3/8	36	9	19



Model	Type	B	C	ØD	G	↺
237610028	Self Vent Male R1/4	65	30	12	24	
237610038	Self Vent Male R3/8	65	30	12	24	

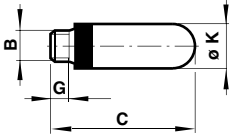


Model	Type	B	C	ØD	G	↺
237620028	Self Vent Female G1/4	61	30	10	24	
237620038	Self Vent Female G3/8	58	30	9	24	

FITTINGS, TUBING & ACCESSORIES

6

# SILENCERS



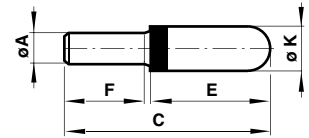
## POROUS PLASTIC SILENCERS M/S & T45

Reduce the noise levels of pneumatic equipment

Compact, efficient and lightweight

Operating pressure is -1 to 10 bar

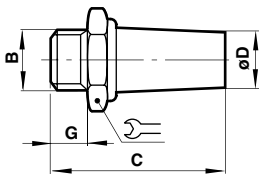
Operating temperature is -20°C to +80°C



### Models

Model	BSPP (B)	C	G	Ø K
M/S0	M5	23	4	6,5
M/S1	G1/8	34	6,5	12,5
M/S2	G1/4	42,5	8	15,5
M/S3	G3/8	67,5	11	18,5
M/S4	G1/2	77,5	11	23
M/S6	G3/4	131,5	15	38
M/S8	G1	162	20	49

Model	O/D Stem (ØA)	C	E	F	ØK
T45P0004	4	32	16	14	6,5
T45P0006	6	45	24,5	17	12,5
T45P0008	8	43,5	22	19	13,5
T45P0010	10	57,5	31	23	15,5
T45P0012	12	82	53	25	18,5



## SINTERED BRONZE SILENCERS T40

Reduce the noise levels of pneumatic equipment

Compact and efficient

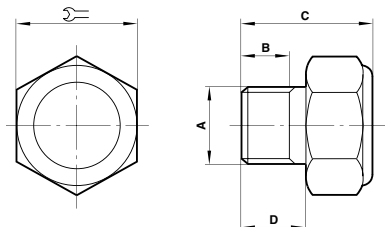
Operating pressure is 10 bar max.

Operating temperature is -20°C to +80°C

### Models

Model	BSPP (B)	C	ØD	G	
T40M0500	M5	20	5	5	7
T40C1800	G1/8	24	9,5	6	13
T40C2800	G1/4	33	12	8	17
T40C3800	G3/8	44	17	10	22
T40C4800	G1/2	56	20	12	27
T40C6800	G3/4	80	26	14	32
T40C8800	G1	82	31	16	41

Model	BSPT (B)	C	ØD	G	
T40B1800	R1/8	27,5	9,5	9,5	13
T40B2800	R1/4	36	12	11	17
T40B3800	R3/8	46,5	17	12,5	22
T40B4800	R1/2	60	20	16	27
T40B6800	R3/4	85	26	19	32
T40B8800	R1	88,5	31	22,5	41



## EXHAUST FILTERS

Prevent the ingress of dirt with minimal flow restriction

Robust and compact

Operating pressure is 0 to 10 bar

Operating temperature is -20°C to +80°C

### Models

Model	A	B	C	D	
M/1511	G1/8	6	16	8	15
M/1512	G1/4	8	22	10	23,5
M/1514	G1/2	10,5	25	13	30,5
M/1516	G3/4	14	31	16	42,5
M/1518	G1	15	35	19	47

# SILENCERS

## QUIETAIRE HEAVY DUTY SILENCERS MA & MB SERIES



- Reduce the noise levels of pneumatic equipment
- Prevent open line exhaust dangers
- Corrosion resistant
- High flow capacity with low back pressure
- Brass mesh screen and aluminium construction provide improved flow, longer life and cleanable element
- Prevent metal chips, abrasive grits, dust and other contaminants from entering open exhaust ports



### TECHNICAL DATA

#### Medium

Compressed air, filtered, lubricated and non-lubricated, inert gases

#### Operating pressure

-1 to 20 bar

#### Ambient temperature

-20°C to +80°C

#### Operation

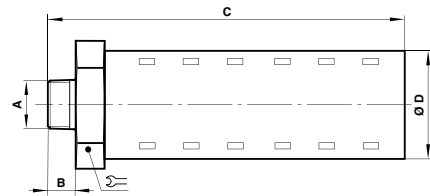
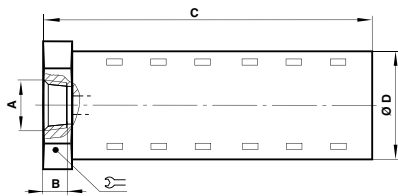
Exhaust silencer

#### Mounting

Directly in the exhaust port

### MATERIALS

Aluminium body and shell, brass mesh element



### Models

FEMALE THREAD						
Model	BSPP	Port Size (A)	B	C	ØD	
MA001B		1/8	6	42	21	21
MA002B		1/4	9	45	21	21
MA003B		3/8	9	78	32	32
MA004B		1/2	12	83	32	32
MA006B		3/4	12	118	51	51
MA008B		1	15	118	51	51
	MA010C	1 1/4	15	144	64	64
	MA012C	1 1/2	15	144	64	64
	MA016C	2	16	168	76	76

MALE THREAD						
Model	BSPT	Port Size (A)	B	C	ØD	
MB001B		R1/8	9	51	21	21
MB002B		R1/4	13	55	21	21
MBP03B		R3/8	13	55	21	21
MB003B		R3/8	13	88	32	32
MB004B		R1/2	17	92	32	32
MBP06B		R3/4	17	92	32	32
MB006B		R3/4	20	134	51	51
MB008B		R1	23	138	51	51
MBP10B		R1 1/4	26	140	51	51

\*measured in dm<sup>3</sup>/(s.bar)

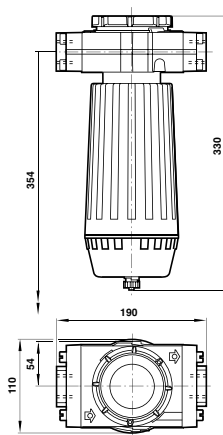
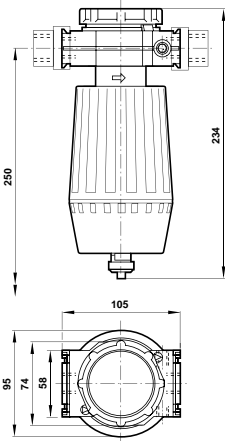


## COALESCING EXHAUST SILENCERS



CS13

CS15



Easily replaceable cartridge element

Removal of oil mist from exhaust air provides cleaner work environment

Snap-on liquid sump with manual drain to collect coalesced oil

Assists in complying with Noise and COSHH regulations

Rugged, corrosion resistant construction

### TECHNICAL DATA

#### Operating temperature:

CS13 and CS15 series:  $-20^{\circ}\text{C} \dots 50^{\circ}\text{C}$

MQ series:  $-20^{\circ}\text{C} \dots 100^{\circ}\text{C}$

#### Working pressure range:

0 ... 6 bar

#### Residual oil:

$< 0,1 \text{ mg/m}^3$  (1 bar  $20^{\circ}\text{C}$ )

#### Noise reduction:

As low as 69dBa (dependant on application)

#### Element replacement at:

2 bar pressure drop

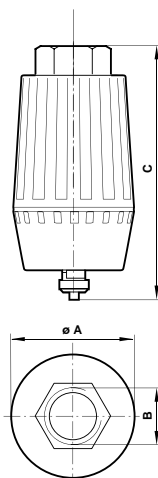
### Models

### Accessories

CS Series	Port size	Mounting bracket	Service kit	Replacement element
CS13-464-10GG	G1/2	74504-52	CS13RK	3236-01
CS13-664-10GG	G3/4	74504-52	CS13RK	3236-01
CS13-000-0000	Without Yoke	-	CS13RK	3236-01
CS15-800-10DD	G1	18-001-979	CS15RK	3237-01
CS15-000-0000	Without Yoke	-	CS15RK	3237-01

Service kit includes bowl, drain plug and drain retainer

### MQ0 Series



### Models

### Accessories

MQ Series	Port size	Service kit	Replacement element
MQ004C	G1/2	CS13RK	3236-01
MQ006C	G3/4	CS13RK	3236-01
MQ008C	G1	CS15RK	3237-01

Service kit includes bowl, drain plug and drain retainer

Larger sizes of the MQ series are available - contact Norgren

### Dimensions

Model	ØA	B	C
MQ004C	90	G 1/2	181
MQ008C	110	G 1	254
MQ012C	110	G 1 1/2	312
MQ016C	110	G 2	312

# BALL VALVES 60, 61 Series

Brass 1/8" to 2" BSP

- Precision engineered shut-off valves
- Minimum resistance to fluid flow
- Positive quick open/shut action
- Flow in either direction (except exhaust type)

## TECHNICAL DATA

### Medium:

Compressed air, inert gases, water, oils and many hydrocarbon derivatives depending upon valve seat material

### Operating pressure:

Refer to tables

### Ambient temperature:

Refer to tables



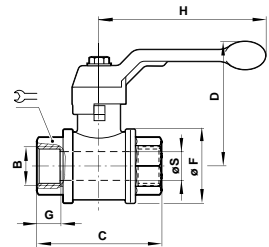
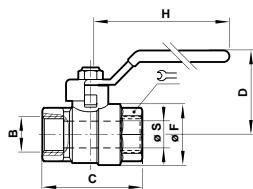
## MATERIALS

### 60 Series:

Nickel plated brass to UNI-5705-65, chromium plated brass, zinc plated steel, PTFE seats and nitrile or FKM rubber seals

### 61 Series:

Stainless steel body, stem, ball nut and handle PTFE seats



## Standard Full Bore

Model	Female (B)	Maximum pressure (bar)	C	D	ØF	G	H	Wrench
602112128	G1/4	45	48	36	23	12	85	18
602112138	G3/8	40	49	36	24	12	85	21
602112148	G1/2	35	60	40	30	15	85	25
602112168	G3/4	30	69	47	38	16,5	105	31
602112188	G1	25	83	51	46	19	105	38
6021121A8	G1 1/4	20	96	63	58	21,5	130	47
6021121B8	G1 1/2	20	106	69	70	22	130	54
6021121C8	G2	16	129	83	86	25,5	165	66

PTFE seats, FKM seals Operating temperature: -20°C to +150°C

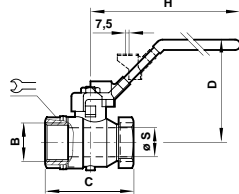
## Exhausting Full Bore

Model	Female (B)	Maximum pressure (bar)	C	D	ØF	H	ØS	Wrench
602113128EX	G1/4	12	52	61	29	100	8	22
602113138EX	G3/8	12	54	61	29	100	10	22
602113148EX	G1/2	12	69	64	36	100	15	27
602113168EX	G3/4	12	77	76	45	120	30	33
602113188EX	G1	12	89	80	54	120	25	40
6021131A8EX	G1 1/4	12	103	98	65	150	32	50

PTFE seats, nitrile seals Operating temperature: 0°C to +60°C

## BALL VALVES 60, 61 Series

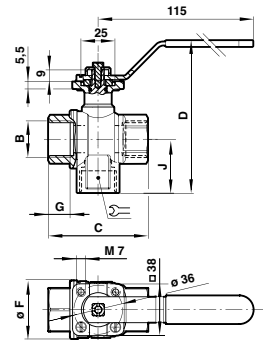
Brass 1/8" to 4" BSP



### Lockable Exhausting Full Bore

Model	Female (B)	Maximum pressure (bar)	C	D	H	ØS	
601812128	G1/4	13,6	44	45	93	8	20
601812138	G3/8	13,6	44	45	93	9	20
601812148	G1/2	13,6	58	50	93	14	24
601812168	G3/4	13,6	64	57	114	19	30
601812188	G1	13,6	81	61	114	24	40

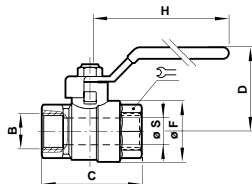
Note: lever lockable only in closed position Standard handle accepts Ø 7 mm shackle



### Three Way Full Bore

Model	Female (B)	Maximum pressure (bar)	C	D	ØF	G	J	
602114428	G1/4	25	52	60	28	11	26	22
602114438	G3/8	25	52	60	28	11,5	26	22
602114448	G1/2	25	64	62	34,5	15	33,5	27
602114468	G3/4	25	74	43	43	16	39,5	32

PTFE seats, nitrile seals Operating temperature: -15°C to +150°C

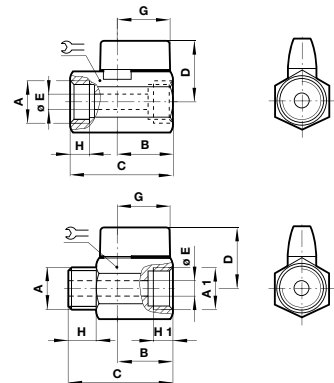


### Stainless Steel Ball Valves

Model	Female (A)	Maximum pressure (bar)	C	D	ØS	ØF	H	
615112128	G1/4	100	50	45	8	29	100	22
615112138	G3/8	100	50	45	10	29	100	22
615112148	G1/2	100	60	53,5	15	34	110	27
615112168	G3/4	64	70	64	20	42,5	140	32
615112188	G1	64	85	68	25	50,5	140	40

Operating temperature: -20°C to +150°C

\* To order 'Tee' handled version change 4th character to 2



### Mini Reduced Bore

Model	Female (B)	Maximum pressure (bar)	C	D	G	H	ØS	
601112118	G1/8	10	36	22	9	19	5,5	19
601112128	G1/4	10	36	22	9	19	5,5	19
601112138	G3/8	10	41	24	9	19	8	21
601112148	G1/2	10	48	30	10	22	10	25

Model	Female/Male (B)	Maximum pressure (bar)	C	D	G	H	ØS	
601112218	G1/8	10	37	22	9	19	5,5	19
601112228	G1/4	10	37	22	9	19	5,5	19
601112238	G3/8	10	41	24	9	19	8	21
601112248	G1/2	10	48	30	10	22	10	25

PTFE seats, nitrile seals Operating temperature: -10°C to +90°C

# 3/2 SHUT OFF VALVES

1/8" ... 1/2"

## SLEEVE VALVES

1/8" ... 1/2" BSP

### TECHNICAL DATA

**Operating pressure:**

0 ... 16 bar

**Operating temperature:**

-20 ... + 80°C

## PNEUFIT C

6mm ... 12mm, 1/8 ... 1/2" BSPT

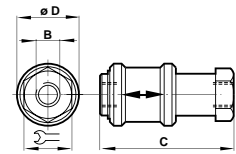
### TECHNICAL DATA

**Operating pressure:**


0 ... 10 bar

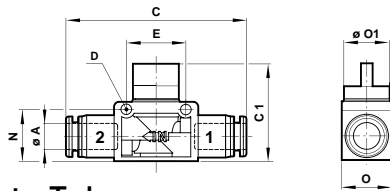
**Operating temperature:**

0 ... + 60°C



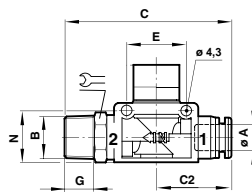
## Sleeve Valves

Model	Port Size (B)	ØD	C	
M/7218	G1/8	25	48	14
M/7228	G1/4	30	58	17
M/7238	G3/8	35	68	22
M/7248	G1/2	40	80	27




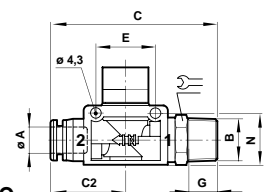
## Hand Valve Tube to Tube

Model	O/D Tube (ØA)	C	C1	ØD	E	N	O
C00GF0600	6	52,5	40,5	4,3	19	18,5	18
C00GF0800	8	53	40,5	4,3	19	18,5	18
C00GF1000	10	62	41	4,3	24	21,5	21
C00GF1200	12	68,5	41	4,3	24	21,5	21




## Hand Valve Thread to Thread


Model	BSPT Thread (B)	C	C1	E	G	N	O	
C01GG1818	R1/8	71	40,5	19	8	18,5	18	14
C01GG2828	R1/4	77	40,5	19	10	18,5	18	14
C01GG3838	R3/8	81	41	24	11	21,5	21	17
C01GG4848	R1/2	90	41	24	14	21,5	21	21



## Hand Valve Tube to Thread

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	C2	E	G	N	
C01GH0618	6	R 1/8	62	40,5	26	19	8	18,5	14
C01GH0628	6	R 1/4	65	40,5	26	19	10	18,5	14
C01GH0638	6	R 3/8	66	40,5	26	19	11	18,5	17
C01GH0818	8	R 1/8	63	40,5	27,5	19	8	18,5	14
C01GH0828	8	R 1/4	66	40,5	27,5	19	10	18,5	14
C01GH0838	8	R 3/8	67	40,5	27,5	19	11	18,5	17
C01GH1028	10	R 1/4	67	41	31	24	10	21,5	17
C01GH1038	10	R 3/8	71,5	41	31	24	11	21,5	17
C01GH1048	10	R 1/2	74,5	41	31	24	14	21,5	21
C01GH1228	12	R 1/4	75,5	41	34	24	10	21,5	19
C01GH1238	12	R 3/8	76,5	41	34	24	11	21,5	19
C01GH1248	12	R 1/2	79,5	41	34	24	14	21,5	21

## Hand Valve Thread to Tube

Model	O/D Tube (ØA)	BSPT Thread (B)	C	C1	C2	E	G	N	
C01GJ0618	6	R 1/8	62	40,5	26	19	8	18,5	14
C01GJ0628	6	R 1/4	65	40,5	26	19	10	18,5	14
C01GJ0638	6	R 3/8	66	40,5	26	19	11	18,5	17
C01GJ0818	8	R 1/8	63	40,5	27,5	19	8	18,5	14
C01GJ0828	8	R 1/4	66	40,5	27,5	19	10	18,5	14
C01GJ0838	8	R 3/8	67	40,5	27,5	19	11	18,5	17
C01GJ1028	10	R 1/4	67	41	31	24	10	21,5	17
C01GJ1038	10	R 3/8	71,5	41	31	24	11	21,5	17
C01GJ1048	10	R 1/2	74,5	41	31	24	14	21,5	21
C01GJ1228	12	R 1/4	75,5	41	34	24	10	21,5	19
C01GJ1238	12	R 3/8	76,5	41	34	24	11	21,5	19
C01GJ1248	12	R 1/2	79,5	41	34	24	14	21,5	21

# BLOW GUNS BG Series



**BG4000:**  
 Bright chrome finish  
 Cushioned corporate vinyl thumb grip  
 Exhausts air when nozzle is blocked  
 Complies with O.S.H.A.

**BG5000:**  
 One piece design in moulded high impact plastic  
 Exhausts air when nozzle is blocked  
 Complies with O.S.H.A.

## TECHNICAL DATA

**Medium:**  
 Non-lubricated compressed air, filtered

**Connection:**  
 G1/4 (BG4000 and BG5000)

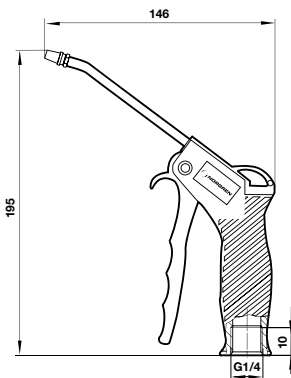
**Operating pressure:**  
 10 bar maximum line pressure

The USA O.S.H.A. recommendations state that nozzle pressures should not exceed 2 bar. This ensures that the blocked end condition pressure will not exceed the 0,4 bar that could penetrate human skin with possibly fatal consequences. Blow guns should always be supplied through a suitable pressure regulator to ensure safe operation

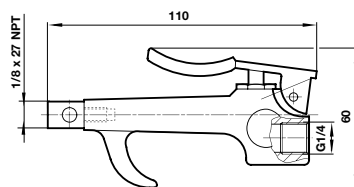
## Models

Model	Port size	Description
BG4000	G1/4	Metal Blow Gun
BG5000	G1/4	Plastic Blow Gun

### BG5000



### BG4000



## COMPLEMENTARY PRODUCT

**R16 MINIATURE PRE-SET REGULATOR:**  
 Factory pre-set and sealed to give a regulated pressure of 2 bar  
 Tamper resistant  
 Compact



## Models

Model	Port size	Pre-set pressure
R16-200-R30G	G1/4	2 bar

## EXPRESS LINKS

### Perfect partners...

For your blow gun and pre-set regulator see coiled hose and quick release couplings on pages 269 and 270.



# CLASSIC RANGE TUBING & HOSES

Ø 4 ... 28 mm O/D



This range will shortly be discontinued, and is replaced by  
PA2 & PU2 series. See page 267

## NYLON TUBE

Colour	Length (m)	O/D I/D tube										
		4/2,5	5/3	6/4	8/6	10/7,5	12/9	14/11	16/12	22/17	28/22	
Natural	25	PA0004025C	-	-	PA0006025C	PA0008025C	PA0010025C	PA0012025C	-	PA0016025	-	-
Natural	30	PA0004030C	PA0005030C	PA0006030C	PA0008030C	PA0010030C	PA0012030C	PA0014030C	PA0016030C	PA0022030C	PA0028030C	-
Natural	100	PA0004100	PA0005100	PA0006100	PA0008100	PA0010100	PA0012100	PA0014100	-	-	-	-
Red	25	-	-	-	PA0106025C	-	-	-	-	-	-	-
Red	30	PA0104030C	PA0105030C	PA0106030C	PA0108030C	PA0110030C	PA0112030C	PA0114030C	-	-	-	-
Red	100	PA0104100	PA0105100	PA0106100	PA0108100	PA0110100	PA0112100	PA0114100	-	-	-	-
Green	25	-	-	-	-	PA0208025C	-	-	PA0214025	-	-	-
Green	30	PA0204030C	PA0205030C	PA0206030C	PA0208030C	PA0210030C	PA0212030C	PA0214030C	-	-	-	-
Green	100	PA0204100	-	PA0206100	PA0208100	PA0210100	PA0212100	-	-	-	-	-
Yellow	25	-	-	-	-	PA0308025C	-	-	PA0314025	-	-	-
Yellow	30	PA0304030C	PA0305030C	PA0306030C	PA0308030C	PA0310030C	PA0312030C	PA0314030C	-	-	-	-
Yellow	100	PA0304100	-	PA0306100	PA0308100	PA0310100	PA0312100	-	-	-	-	-
Blue	25	PA0504025C	-	-	PA0506025C	PA0508025C	PA0510025C	PA0512025C	-	-	-	-
Blue	30	PA0504030C	PA0505030C	PA0506030C	PA0508030C	PA0510030C	PA0512030C	PA0514030C	-	-	-	-
Blue	100	PA0504100	PA0505100	PA0506100	PA0508100	PA0510100	PA0512100	PA0514100	-	-	-	-
Black	25	-	-	-	PA0706025C	PA0708025C	PA0710025C	-	-	-	-	-
Black	30	PA0704030C	PA0705030C	PA0706030C	PA0708030C	PA0710030C	PA0712030C	PA0714030C	-	-	-	-
Black	100	PA0704100	PA0705100	PA0706100	PA0708100	PA0710100	PA0712100	PA0714100	-	-	-	-

## POLYURETHANE

Colour	Length (m)	O/D I/D tube						
		3/2	4/2,5	5/3	6/4	8/6	10/7,5	12/9
Natural	25	-	-	-	-	PU0006025C	PU0008025C	-
Natural	30	PU0003030C	PU0004030C	PU0005030C	PU0006030C	PU0008030C	PU0010030C	PU0012030C
Natural	100	-	PU0004100C	PU0005100C	PU0006100C	PU0008100	PU0010100	-
Natural	100 (drum)	-	-	-	-	PU0008100D	PU0010100D	PU0012100D
Red	25	-	-	-	PU0105025C	PU0106025C	PU0108025C	PU0112025C
Red	30	-	PU0104030C	PU0105030C	PU0106030C	PU0108030C	PU0110030C	PU0112030C
Red	100	-	PU0104100C	PU0105100C	PU0106100C	-	-	-
Red	100 (drum)	-	-	-	-	PU0108100D	PU0110100D	-
Green	25	-	-	-	-	PU0206025C	-	-
Green	30	-	PU0204030C	-	-	PU0206030C	PU0208030C	PU0210030C
Green	100	-	PU0204100C	-	-	PU0206100C	-	-
Green	100 (drum)	-	-	-	-	PU0208100D	PU0210100D	PU0212100D
Yellow	25	-	PU0304025C	PU0305025C	-	-	PU0310025C	-
Yellow	30	-	PU0304030C	-	-	PU0308030C	-	PU0312030C
Yellow	100	-	PU0304100C	-	PU0306100C	-	-	-
Yellow	100 (drum)	-	-	-	-	PU0308100D	-	-
Blue	25	-	-	-	-	PU0506025C	PU0508025C	PU0510025C
Blue	30	-	PU0504030C	PU0505030C	PU0506030C	PU0508030C	PU0510030C	PU0512030C
Blue	100	-	PU0504100C	PU0505100C	PU0506100C	PU0508100	PU0510100	-
Blue	100 (drum)	-	-	-	-	PU0508100D	PU0510100D	PU0512100D
Black	25	-	PU0704025C	PU0705025C	PU0706025C	PU0708025C	-	PU0712025C
Black	30	-	PU0704030C	PU0705030C	PU0706030C	PU0708030C	PU0710030C	PU0712030C
Black	100	-	PU0704100C	-	PU0706100C	-	-	-
Black	100 (drum)	-	PU0704100D	-	-	PU0708100D	PU0710100D	PU0712100D

Note: 'C' at last digit in part number indicates packed in a box/carton



# CLASSIC RANGE

## SLOW ROTATING JOINTS

For use with a variety of fluids  
7 bar maximum  
50 r.p.m. maximum



### Models

Model	Thread size
04017400	R1/8
04017500	R1/4
04017600	R3/8



**Pressure:**  
6 bar (Dynamic Pressure)

**Temperature:**  
-20 ... +60°C

**Materials:**  
Housing and cap – Polyamide  
Filter – Felt insert



### Models – Plastic/Nylon

Model	Thread size	Length C	Diameter B
0014500000000000	G1/8	41	16
0014600000000000	G1/4	51	21
0014700000000000	G3/8	60	25
0014800000000000	G1/2	72	30

## FAST ROTATING JOINTS

Pressure and vacuum models  
For use with a variety of fluids  
7 bar maximum  
2000 r.p.m. maximum



### Models

Model	Medium	Thread size
04016100	Pressure	R1/4
04016200	Vacuum	R1/4

## HERION Silencer

Plastic/Nylon and Sintered Metal Series

**Pressure:**  
16 bar (Operating pressure)  
5 bar (Dynamic Pressure)

**Temperature:**  
-10 ... +60°C

**Materials:**  
Housing – Sintered metal,  
Threaded base – Sintered metal



### Models – Sintered

Model	Thread size	Length C	Diameter B
0014510000000000	G1/8	28,5	8
0014610000000000	G1/4	34,5	12
0014710000000000	G3/8	36,5	15
0014810000000000	G1/2	45	19

## ENOTS 34 Series brass compression fittings

Spare parts



### Tubing nut

Model	O/D Tube
36050002	4
36050003	5
36050004	6
36050005	8
36050006	10
36050007	12
36050008	16

### Tubing sleeve

Model	O/D Tube
36050102	4
36050103	5
36050104	6
36050105	8
36050106	10
36050107	12
36050108	16