

24 Series Push-on Tube fittings

- Port size: \varnothing 4/2,5 ... 15/12,5 mm (OD/ID tube)
- 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



Technical features

Medium:

Compressed air

Operating pressure:

15 bar (218 psi) maximum

Thread sizes:

M5, 1/8", 1/4", 3/8" or 1/2"

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:

PUR or PA extra flexibility

Ambient/Media temperature:

-20°C ... +80°C (-4 ... +176°F)

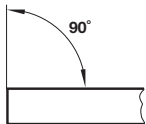
Materials:

Nut and body: Nickel plated brass
'O' ring: NBR 70

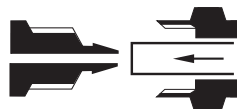
Sealing washer: PA 66

All raw materials & manufacturing processes are Silicon Free

Method of assembly



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



2. Place the knurled nut over the tube.




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

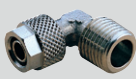





4. Screw the knurled nut onto the fitting until finger tight. The hexagon on the nut is to aid release.

Straight adaptors and connectors

<p>Straight male adaptor 24125</p>  <p>Page 3</p>	<p>Straight male adaptor with seal 24225</p>  <p>Page 3</p>	<p>Straight female adaptor 24226</p>  <p>Page 3</p>	<p>Straight male adaptor 24020</p>  <p>Page 3</p>	<p>Bulkhead connector 24029</p>  <p>Page 3</p>
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Elbow adaptors and connectors

<p>Elbow male adaptor 24145</p>  <p>Page 4</p>	<p>Elbow female adaptor 24246</p>  <p>Page 4</p>	<p>Swivel elbow adaptor with seal 24247</p>  <p>Page 4</p>	<p>Elbow connector 24040</p>  <p>Page 4</p>
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Tee connectors and adaptors

<p>Tee male adaptor 24165</p>  <p>Page 4</p>	<p>Tee connector 24060</p>  <p>Page 5</p>	<p>Side tee male adaptor 24175</p>  <p>Page 4</p>	<p>Equal cross connector 24090</p>  <p>Page 5</p>
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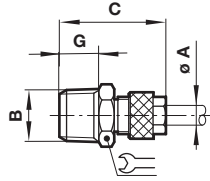
Elbow banjo assembly

<p>Banjo flow regulator with seals Regulating out 24K51</p>  <p>Page 6</p>	<p>Elbow banjo assembly with seals 24A51</p>  <p>Page 5</p>	<p>Tee elbow banjo assembly with seals 24A71</p>  <p>Page 5</p>
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Accessories

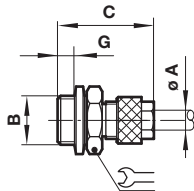
<p>Tubing nut 24001</p>  <p>Page 6</p>	<p>Plug 24005</p>  <p>Page 6</p>
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Straight male adaptor 24125



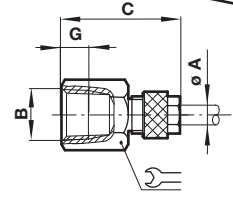
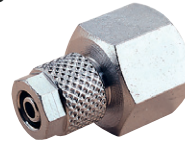
Ø A O/D / I/D tube	B	C	G		Model
4/2.7	R1/8	23,5	7,5	12	241250418
5/3	R1/8	23	7,5	12	241250518
6/4	R1/8	25,6	7,5	12	241250618
6/4	R1/4	29,6	11	14	241250628
6/4	R3/8	30	11,5	17	241250638
8/6	R1/8	26,9	7,5	14	241250818
8/6	R1/4	30,9	11	14	241250828
8/6	R3/8	31,4	11,5	17	241250838
8/6	R1/2	34	14	22	241250848
10/8	R1/8	29	7,5	14	241251018
10/8	R1/4	33	11	14	241251028
10/8	R3/8	33,5	11,5	17	241251038
10/8	R1/2	36,5	14	22	241251048
12/10	R3/8	35	11,5	17	241251238
12/10	R1/2	38	14	22	241251248
15/12.5	R1/2	40	14	22	241251548

Straight male adaptor with seal 24225



Ø A O/D / I/D tube	B	C	G		Model
4/2.7	M5	20,5	3,6	8	242250405
4/2.7	G1/8	23	5,4	13	242250418
5/3	M5	23,1	3,6	8	242250505
5/3	G1/8	25,1	5,4	13	242250518
6/4	M5	23,1	3,6	8	242250605
6/4	G1/8	25,1	5,4	13	242250618
6/4	G1/4	28,1	7,1	16	242250628
6/4	G3/8	29,1	8,1	19	242250638
6/4	G1/2	32	9,6	24	242250648
6/8	G1/8	26,4	5,4	14	242250818
8/6	G1/4	29,4	7,1	16	242250828
8/6	G3/8	30,4	8,1	19	242250838
8/6	G1/2	32	9,6	24	242250848
10/8	G1/8	28,5	5,4	14	242251018
10/8	G1/4	31,5	7,1	16	242251028
10/8	G3/8	32,5	8,1	19	242251038
10/8	G1/2	34,5	9,6	24	242251048
12/10	G3/8	34	8,1	19	242251238
12/10	G1/2	36	9,6	24	242251248
15/12.5	G1/2	38	9,6	24	242251548

Straight female adaptor 24226

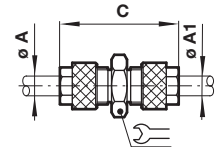


Dimensions in mm
Projection/First angle



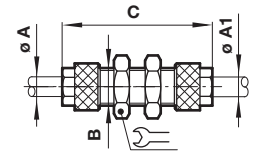
Ø A O/D / I/D tube	B	C	G		Model
6/4	G1/8	23,3	8,5	14	242260618
6/4	G1/4	27	11	17	242260628
6/4	G3/8	28	11,5	22	242260638
8/6	G1/8	24,7	8	14	242260818
8/6	G1/4	28,7	11	17	242260828
8/6	G3/8	29,2	11,5	22	242260838
8/6	G1/2	33	15,5	24	242260848
10/8	G1/4	30,5	11	17	242261028
10/8	G3/8	31	11,5	22	242261038
10/8	G1/2	34,5	15,5	24	242261048

Straight male adaptor 24200



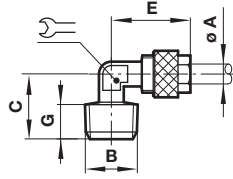
Ø A O/D / I/D tube	Ø A1 O/D / I/D tube	C		Model
4/2.7	4/2.7	27,5	8	240200400
5/3	5/3	31,7	8	240200500
6/4	5/3	32,2	12	240200605
6/4	6/4	32,2	12	240200600
8/6	6/4	33,5	12	240200806
8/6	8/6	34,8	12	240200800
10/8	6/4	35,6	14	240201000
12/10	12/10	43	17	240201200
15/12.5	15/12.5	47	22	240201500

Bulkhead connector 24029



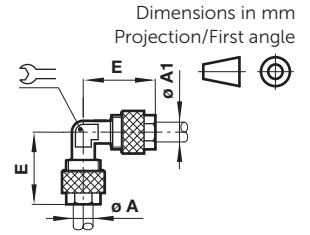
Ø A O/D / I/D tube	Ø A1 O/D / I/D tube	B	C		Model
4/2.7	4/2.7	M6x0.5	35	10	240290400
5/3	5/3	M7x0.75	35	10	240290500
6/4	5/3	M10x1	45,5	14	240290600
6/4	6/4	M10x1	45,5	14	240290806
8/6	8/6	M12x1	48,4	17	240290800
10/8	10/8	M14x1	52	17	240291000
12/10	12/10	M16x1	57	19	240291200
15/12.5	15/12.5	M20x1	59	24	240291500

Elbow male adaptor 24145



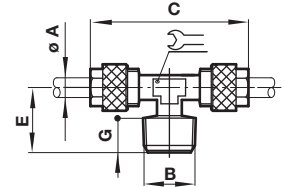
Ø A O/D / I/D tube	B	C	E	G		Model
4/2.7	R1/8	15	19,5	7,5	8	241450418
5/3	R1/8	15	19,5	7,5	8	241450518
6/4	R1/8	15	19,5	7,5	8	241450618
6/4	R1/4	19	20,6	11	8	241450628
6/4	R3/8	21	21	11,5	9	241450638
8/6	R1/8	16,5	19,9	7,5	9	241450818
8/6	R1/4	19	21,9	11	9	241450828
8/6	R3/8	21	23,4	11,5	9	241450838
8/6	R1/2	28	26	14	16	241450848
10/8	R1/8	18	25	7,5	11	241451018
10/8	R1/4	22	24	11	11	241451028
10/8	R3/8	22,5	25,5	12,5	11	241451038
10/8	R1/2	28	28	14	16	241451048
12/10	R3/8	22,5	27	11,5	13	241451238
12/10	R1/2	28	30	14	16	241451248
15/12.5	R1/2	28	31,5	14	16	241451548

Elbow connector 24040



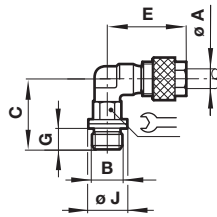
Ø A O/D / I/D tube	Ø A1 O/D / I/D tube	E		Model
4/2.7	4/2.7	20	8	240400400
5/3	5/3	20,6	8	240400500
6/4	6/4	20,6	8	240400600
8/6	6/4	21,9	9	240400806
8/6	8/6	21,9	9	240400800
10/8	10/8	25,5	11	240401000
12/10	12/10	27	13	240401200
15/12.5	15/12.5	33,5	16	240401500

Tee male adaptor 24165



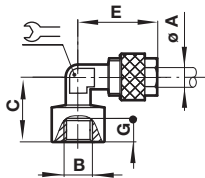
Ø A O/D / I/D tube	B	C	E	G		Model
4/2.7	R1/8	37	15,5	7,5	8	241650418
5/3	R1/8	39	15,5	7,5	8	241650518
6/4	R1/8	39	15,5	7,5	8	241650618
6/4	R1/4	41,2	19	11	8	241650628
8/6	R1/8	39,8	16,5	7,5	9	241650818
8/6	R1/4	43,8	20,5	11	9	241650828
10/8	R1/8	48	19	7,5	11	241651018
10/8	R1/4	48	22	11	11	241651028
10/8	R3/8	0,5	51	11	22	241651038
12/10	R3/8	54	22,5	11,5	14	241651238
15/12.5	R1/2	63	28	14	16	241651548

Swivel elbow adaptor with seal 24247



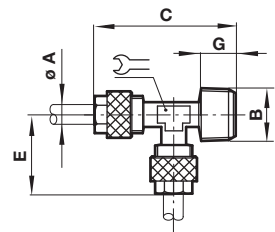
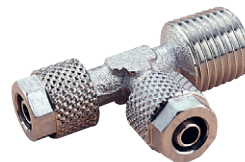
Ø A O/D / I/D tube	B	C	E	G	Ø J		Model
6/4	G1/8	22	20,6	5,4	14	13	242470418
6/4	G1/4	26	20,6	7,1	18	16	242470628
8/6	G1/8	21,6	21,6	5,4	14	13	242470818
8/6	G1/4	26,5	23,1	7,1	18	16	242470828
10/8	G1/4	27,5	24	7,1	18	16	242471028

Elbow female adaptor 24246



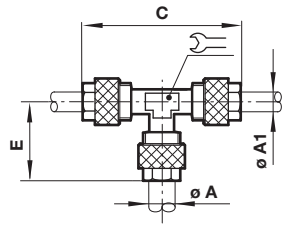
Ø A O/D / I/D tube	B	C	E	G		Model
5/3	G1/8	18	20,6	8,5	8	242460518
6/4	G1/8	18	20,6	8,5	8	242460618
6/4	G1/4	21	21	10,5	9	242460628
8/6	G1/8	19	21,9	8,5	9	242460818
8/6	G1/4	21	23,4	10,5	9	242460828
10/8	G1/4	22,5	25,5	10,5	11	242461028
10/8	G3/8	27	28	11,5	16	242461038

Side tee male adaptor 24175



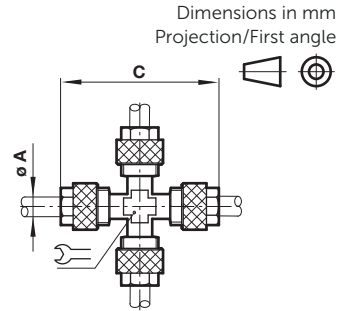
Ø A O/D / I/D tube	B	C	E	G		Model
5/3	R1/8	36,7	20,6	7,5	8	241750518
6/4	R1/8	36,7	20,6	7,5	8	241750618
6/4	R1/4	40,2	20,6	11	8	241750628
8/6	R1/8	38	21,9	7,5	9	241750818
8/6	R1/4	41,5	21,9	11	9	241750828
10/8	R1/8	40	25,5	7,5	11	241751018
10/8	R1/4	43	25,5	11	11	241751028
10/8	R3/8	44	25,5	11,5	11	241751038
12/10	R3/8	48,5	28	11,5	13	241751238

Tee connector 24060



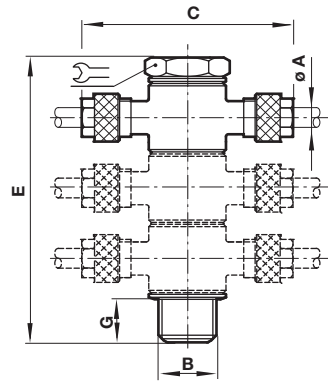
Ø A O/D / I/D tube	Ø A1	C	E		Model
4/2.7	4/2.7	40	20,5	8	240600400
5/3	5/3	41,2	20,6	8	240600500
6/4	6/4	41,2	20,6	8	240600600
6/4	8/6	43,8	20,6	9	240600806
8/6	8/6	43,8	21,9	9	240600800
6/4	10/8	51	20,6	11	240601006
8/6	10/8	51	21,9	11	240601008
10/8	10/8	51	25,5	11	240601000
12/10	12/10	54	28	13	240601200
15/12.5	15/12.5	63	32,5	16	240601500

Equal cross connector 24090



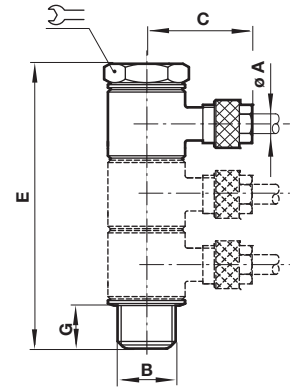
Ø A O/D / I/D tube	C		Model
6/4	41,6	8	240900600
8/6	44,4	9	240900800
10/8	49	11	240901000
12/10	58	13	240901200

Tee elbow banjo assembly with seals 24A71



Ø A O/D / I/D tube	B	C	E	G	Version		Model
4/2,5	M5	43	22	4	8	single	24A710405
4/2,5	G1/8	43	28	6	14	single	24A710418
5/3	M5	43	22	4	8	single	24A710505
5/3	G1/8	46,6	28	6	14	single	24A710518
6/4	M5	43	22	4	8	single	24A710605
6/4	G1/8	15	28	6	14	single	24A710618
6/4	G1/4	17	32	8	17	single	24A710628
6/4	G3/8	20	36	9	19	single	24A710638
8/6	G1/8	49,4	28	6	14	single	24A710818
8/6	G1/4	55,2	32	8	17	single	24A710828
8/6	G3/8	55	36	9	19	single	24A710838
8/6	G1/2	61	42	10	24	single	24A710848
12/10	G3/8	63	36	9	19	single	24A711238
12/10	G1/2	70	42	10	24	single	24A711248
4/2,5	G1/8	43	44,5	6	14	double	24B710418
6/4	G1/4	50,6	50,5	8	17	double	24B710628
8/6	G1/4	55,2	50,5	8	17	double	24B710828
10/8	G1/4	59	50,5	8	17	double	24B711028
4/2,5	G1/8	43	61	6	14	triple	24C710418
6/4	G1/4	50,6	69	8	17	triple	24C710628
10/8	G1/4	59	69	8	17	triple	24C711028

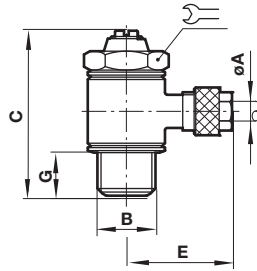
Elbow banjo assembly with seals 24A51



Ø A O/D / I/D tube	B	C	E	G	Version		Model
4/2,5	M5	21,5	22	4	8	single	24A510405
4/2,5	G1/8	22,5	28	6	14	single	24A510418
5/3	M5	22	22	4	8	single	24A510505
5/3	G1/8	22,5	28	6	14	single	24A510518
6/4	M5	22	22	4	8	single	24A510605
6/4	G1/8	23	28	6	14	single	24A510618
6/4	G1/4	25	32	8	17	single	24A510628
6/4	G3/8	27	36	9	19	single	24A510638
8/6	G1/8	24,5	28	6	14	single	24A510818
8/6	G1/4	26	32	8	17	single	24A510828
8/6	G3/8	27	36	9	19	single	24A510838
10/8	G1/4	27,5	32	8	17	single	24A511028
12/10	G3/8	31,5	36	9	19	single	24A511238
12/10	G1/2	35	42	10	24	single	24A511248
4/2,5	G1/8	22,5	44,5	6	14	double	24B510418
5/3	G1/8	22,5	44,5	6	14	double	24B510518
6/4	G1/8	23	44,5	6	14	double	24B510618
6/4	G1/4	25	50,5	8	17	double	24B510628
8/6	G1/4	26	50,5	8	17	double	24B510828
10/8	G1/4	27,5	50,5	8	17	double	24B511028
10/8	G1/2	34	68	10	24	double	24B511048
12/10	G3/8	31,5	58	9	19	double	24B511238
4/2,5	G1/8	22,5	61	6	14	triple	24C510418
6/4	G1/4	25	69	8	17	triple	24C510628
8/6	G1/4	26	69	8	17	triple	24C510828
10/8	G1/4	27,5	69	8	17	triple	24C511028

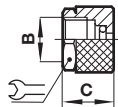
Banjo flow regulator with seals
Regulating out
24K51

Dimensions in mm
 Projection/First angle



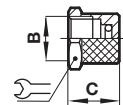
Ø A O/D / I/D tube	B	C	E		Model
4/2,5	M5	24	21,5	8	24K510405
4/2,5	G1/8	30,5	22,5	14	24K510418
6/4	M5	24	22	8	24K510605
6/4	G1/8	30,5	23	14	24K510618
6/4	G1/4	35,5	25	17	24K510628
8/6	G1/8	30,5	24,5	14	24K510818
8/6	G1/4	35,5	26	17	24K510828
10/8	G1/4	35,5	27,5	17	24K511028

Tubing nut
24001



Ø A O/D / I/D tube	C	Ø K		Model
4/2,7	M6x0,5	9	7	240010400
5/3	M7x0,75	11	8	240010500
6/4	M10x1	11	10	240010600
8/6	M12x1	11,5	12	240010800
10/8	M14x1	13,5	14	240011000
12/10	M16x1	15	15	240011200

Plug
24005



Ø A O/D / I/D tube	B	C		Model
6/4	M10 x 1	11,5	12	240050600
8/6	M12 x 1	13,5	14	240050800

Warning

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

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

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

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

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

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