

Push-in fittings NPQE

FESTO



Key features

Application



Find the right fitting straightaway. With a system that includes well over 1000 types of standard and function fittings, Festo offers a secure solution for every connection.

Summary of tubing/fitting combinations

Applications	Fitting	Tubing	Description
Standard	QS	PUN-H	Maximum flexibility in standard applications thanks to an extremely wide range of options for combining the different types.
	NPQE	PUN-H	Low-cost and versatile combination for standard applications
	QS	PAN	Meets all requirements, even for standard applications with increased pressure and temperature ranges.
	QS	PEN	Suitable for a wide range of tasks and attractively priced. Flexible thanks to highly resistant materials, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.
High pressures	NPQM	PAN-MF	Meets DIN standard 73378: ideal for use in mobile pneumatics. Suitable for increased temperature ranges combined with high pressure ranges.
	NPQH	PAN-R	Powerful in pressure ranges up to 20 bar, for example in applications with the pressure booster DPA.
Resistant to chemicals and hydrolysis, food-safe	NPQP	PLN	Resistant to cleaning agents, FDA-compliant and economical. Can be used instead of the combination with stainless steel fittings.
	NPKA	PUN-H	Hydrolysis-resistant and suitable for water applications. Combination suitable for use in clean rooms, FDA compliant and corrosion resistant as it is made of 100% polymer. Very easy to install thanks to the "one click principle".
	NPQH	PFAN/PTFEN	For high temperatures up to 150°C. Food-safe, FDA-compliant and resistant to cleaning agents.
	NPCK	PFAN/PTFEN	Easy to clean thanks to the union nut's edge-free design. Maximum resistance to corrosion (CRC 4) and FDA compliant. Suitable for a wide range of media.
	CRQS	PFAN/PTFEN	Maximum resistance to corrosion (CRC 4) and to aggressive acids and alkalis.
Resistant to chemicals and hydrolysis	NPQR	PFAN/PTFEN	Optimised design, fewer edges where dirt can collect – all at an attractive price. For high temperatures up to 150°C. Pressure range up to 16 bar. Highest level of corrosion resistance (CRC 4).
Anti-static	NPQM	PUN-CM	Anti-static tubing plus solid metal fitting: maximum protection for electrical and electronic components.
Flame-retardant	NPQM	PUN-V0	Very safe in areas where there is a risk of fire thanks to flame-retardant properties. The tubing has been tested to DIN 5510-2.
Resistant to welding spatter	NPQH	PUN-V0-C	Ideal for applications involving welding spatter. Reliable thanks to a tubing wall thickness of 2 mm for all diameters.
	QS-V0	PAN-V0	Safe even in the close vicinity of welding spatter thanks to the double-walled tubing with special fitting.

Key features

Push-in fittings product range

QSM, mini series

Data sheets → Internet: qsm



Miniature push-in fittings for maximum component density in confined spaces. For pneumatic applications with a temperature range up to 80°C and a pressure range up to 14 bar. Tubing O.D. of 2, 3, 4 and 6 mm with connecting threads M3, M5, M6, M7, R1/8 and G1/8.

QS, standard series

Data sheets → Internet: qs



Wide selection of push-in fittings for pneumatic applications with a temperature range up to 80°C and a pressure range up to 14 bar. Tubing O.D. of 4, 6, 8, 10, 12, 16 and 22 mm with connecting threads R1/8 ... R1/2 and G1/8 ... G3/4.

CRQS, stainless steel

Data sheets → Internet: crqs



Stainless steel push-in fitting. Extremely high corrosion resistance CRC 4 and chemical resistance with approval for use in the food and packaging industry. For pneumatic applications with a temperature range up to 120°C and a pressure range up to 10 bar. Tubing O.D. of 4, 6, 8, 10, 12 and 16 mm with connecting threads M5 and R1/8 ... R1/2.

QS-V0, resistant to welding spatter

Data sheets → Internet: qs-v0



Flame-retardant push-in fitting for use in all areas where there is a risk of fire, for example welding systems in the automotive industry, and in the construction industry. For pneumatic applications with a temperature range up to 60°C and a pressure range up to 10 bar. Tubing O.D. of 4, 6, 8, 10 and 12 mm with connecting threads R1/8 ... R1/2 and G1/8 ... G1/2.

NPQE

Data sheets → Internet: npqe



Low-cost push-in fittings for pneumatic applications with a temperature range up to 60°C and a pressure range up to 8 bar. Tubing O.D. of 3, 4, 6, 8, 10, 12, 14 and 16 mm with connecting threads M3, M5, M7 and R1/8 ... R1/2.

NPQH

Data sheets → Internet: npqh



Solid metal push-in fitting made of chemically nickel-plated brass. High corrosion resistance CRC 3 and chemical resistance. For pneumatic applications with a temperature range up to 150°C and a pressure range up to 20 bar. Tubing O.D. of 4, 6, 8, 10, 12 and 14 mm with connecting threads M5, M7 and G1/8 ... G1/2.

NPQM

Data sheets → Internet: npqm



Attractively priced metal push-in fitting for pneumatic applications with a temperature range up to 70°C and a pressure range up to 16 bar. Tubing O.D. of 3, 4, 6, 8, 10, 12 and 14 mm with connecting threads M5, M7 and G1/8 ... G1/2.

NPQP

Data sheets → Internet: npqp



Polypropylene fitting for use in applications with extreme influence of media. For pneumatic applications with a temperature range up to 60°C and a pressure range up to 10 bar. Tubing O.D. of 4, 6, 8, 10 and 12 mm with connecting threads R1/8 ... R1/2.

Key features

Push-in fittings product range

NPQR, stainless steel

Data sheets → Internet: npqr



Stainless steel push-in fitting. Maximum corrosion resistance CRC 4 and chemical resistance. For pneumatic applications with a temperature range up to 150°C and a pressure range up to 16 bar.

Tubing O.D. of 4, 6, 8, 10 and 12 mm with connecting threads M5, M7 and G1/8 ... G1/2.

Functional push-in fittings product rangeQSK,
push-in fitting, self-sealing

Data sheets → Internet: qsk



Push-in fitting that blocks the air flow after the tubing is disconnected. For pneumatic applications with a temperature range up to 60°C and a pressure range up to 14 bar.

Tubing O.D. of 4, 6, 8, 10 and 12 mm with connecting threads M5, R1/8 ... R1/2 and G1/8 ... G1/2.

QSR,
push-in fitting, rotatable

Data sheets → Internet: qsr



Push-in fitting with swivel joint, rotatable by 360°. The ball bearing enables rotating movements in the application up to max. 500 rpm. For pneumatic applications with a temperature range up to 60°C and a pressure range up to 14 bar.

Tubing O.D. of 4, 6, 8, 10 and 12 mm with connecting threads M5, R1/8 ... R1/2 and G1/8 ... G1/2.

Quick connectors product range

NPCK

Data sheets → Internet: npck



Stainless steel fitting for use in areas subject to intensive cleaning. Extremely high corrosion resistance CRC 4. For pneumatic applications with a temperature range up to 120°C and a pressure range up to 12 bar.

Tubing O.D. of 4, 6, 8 and 10 mm with connecting threads M5 and G1/8 ... G3/8.

Click fittings product range

NPKA

Data sheets → Internet: npka



Plastic fitting for easy installation with one-hand operation. Hydrolysis-resistant, FDA-compliant and easy to clean. For pneumatic applications with a temperature range up to 60°C and a pressure range up to 10 bar.

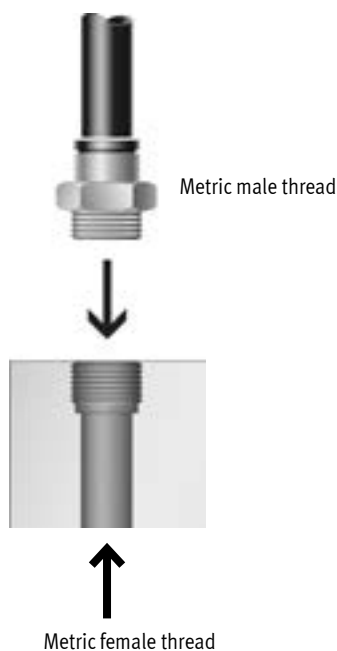
Tubing O.D. of 6 mm with connecting thread G1/8.

Key features

Which fitting fits which thread?

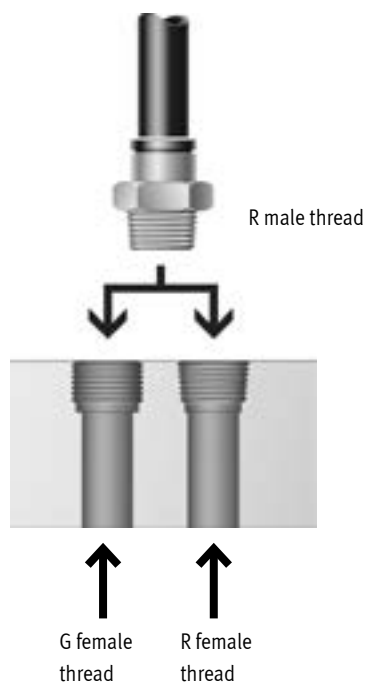
Metric thread

- Threads are comparable with G threads and are fitted as cylindrical metric thread
- Sealing is guaranteed via an O-ring.



R thread based on JIS B0203 and compatible with pressure-tight media to EN 10226.

- Self-sealing thread
- Sealing via coated threads
- No additional sealing surface required
- Smaller installation dimensions since there is no need for an offset for the sealing surface
- Can be reused up to 3 times.



Note

All R threads are coated with a sealing material. This coating replaces the conventional sealing ring. Simply screw in the R thread by hand and tighten 1 or 2 turns with an open-end spanner. The fitting can be screwed in again up to three times.

When screwing in R threads several times, you must make sure that the abraded particles from the sealing coating cannot enter the compressed air system.

Tube assembly/disassembly

Mounting

The prerequisite for ensuring that the inside seal is securely held and protected against damage is that the tube is cut into straight lengths and deburred.

- 1) Insert tubing as far as the stop.
It is important to ensure that the tubing is inserted into the inside seal. Depending on the tolerance between the tubing and the seal, the contact of the tubing with the seal may be wrongly interpreted as the stop.
- 2) Check that the tubing connection is secure by pulling gently on the tube.

Dismounting

- 1) The tubing can be detached easily by pressing and holding down the releasing ring. Remove the tubing carefully from the fitting.
- 2) Before re-using the tubing, remove the damaged part by cutting it off.

Technical data

General technical data

Design	Push-pull principle
Mounting position	Any
Type of seal on screwed trunnion	Sealing ring for M thread Coating for R thread
Nominal tightening torque [Nm]	0.3 ±5% for M3 male thread 0.8 ±5% for M5 male thread 2 ±5% for M7 male thread

Operating and environmental conditions

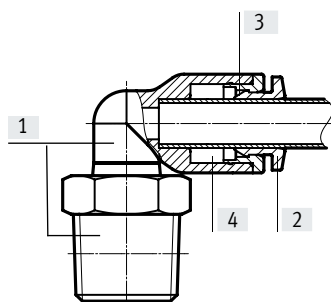
Operating pressure for entire temperature range [bar]	−0.95 ... 8
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on the operating/pilot medium	Lubricated operation possible
Ambient temperature [°C]	−5 ... +60
Corrosion resistance class CRC ¹⁾	1

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry indoor application or transport and storage protection. Also applies to parts behind coverings, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Materials

Sectional view



Type	Push-in fitting NPQE-D, Push-in bulkhead connector NPQE-H	Push-in fitting NPQE-L/NPQE-LH/ NPQE-LL/NPQE-T/ NPQE-LQ/ NPQE-LT/NPQE-Y	Push-in connector NPQE-D/NPQE-L/ NPQE-T/NPQE-Y/ NPQE-X, Push-in cap NPQE-P	Push-in sleeve NPQE-D, Blanking plug NPQE-P, Safety clip NPAP-QE
[1] Housing	Nickel-plated brass –	PBT	–	–
[2] Releasing ring	POM (colour: blue)	–	–	–
[3] Tube clamping segment	Stainless steel	–	–	–
[4] Tubing seal	NBR	–	–	–
– Threaded seal	NBR for M thread PTFE for R thread	–	–	–
– O-ring	NBR for M thread	–	–	–
Note on materials	RoHS-compliant Contains paint-wetting impairment substances			

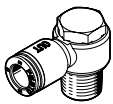
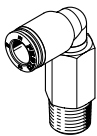
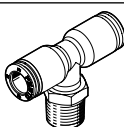
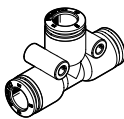
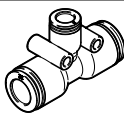
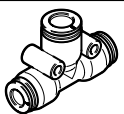
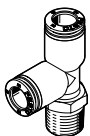
Product range overview

Design	Version	Type	Connection D1				Connection D2		→ Page/ Internet		
			M thread	R thread	G thread	Tubing O.D.	Push-in sleeve ∅	Tubing O.D.		Push-in sleeve ∅	
Straight shape	Push-in fitting – male thread with external hex										
		NPQE-D	M3	–	–	–	–	3, 4	–	11	
			M5					3, 4, 6			
			M7					4, 6			
			–					R1/8			4, 6, 8, 10, 12
			–					R1/4			4, 6, 8, 10, 12
			–					R3/8			6, 8, 10, 12, 14, 16
			–					R1/2			6, 8, 10, 12, 14, 16
	Push-in fitting – female thread with external hex										
		NPQE-D	M5	–	–	–	–	3, 4	–	12	
			–					G1/8			4, 6, 8, 10
			–					G1/4			4, 6, 8, 10, 12
			–					G3/8			6, 8, 10, 12
			–					G1/2			12, 16
			–								
	Push-in fitting – Male thread with internal hex										
		NPQE-DK	M3	–	–	–	–	3, 4	–	13	
			M5					–			3, 4, 6
			M7					–			4, 6
			–					G1/8			4, 6, 8, 10
			–					G1/4			6, 8, 10, 12
			–								
	Push-in connector										
	NPQE-D	–	–	–	3	–	3	–	14		
					4		4				
					6		6				
					8		8				
					10		10				
					12		12				
					14		14				
					16		16				
	NPQE-D Reducing	–	–	–	4	–	3	–	14		
					6		4				
					8		4, 6				
					10		6, 8				
					12		8, 10				
					14		10, 12				
					16						
Push-in connector with push-in sleeve											
	NPQE-D	–	–	–	3	–	–	4	15		
					4			6, 8			
					6			8, 10, 12			
					8			10, 12			
					10			12			
Push-in sleeve											
	NPQE-D	–	–	–	–	4	–	4	16		
						6		6			
						8		8			
						10		10			
						12		12			
						16		16			
	NPQE-D Reducing	–	–	–	–	6	–	4	16		
						8		6			
						10		8			
						12		8, 10			
						16		12			

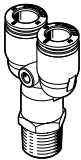
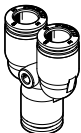
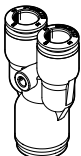
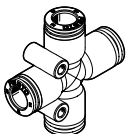
Product range overview

Design	Version	Type	Connection D1				Connection D2		→ Page/ Internet		
			M thread	R thread	G thread	Tubing O.D.	Push-in sleeve Ø	Tubing O.D.		Push-in sleeve Ø	
Bulkhead	Push-in bulkhead connector										
		NPQE-H	–	–	–	3	–	3	–	17	
						4		4			
						6		6			
						8		8			
						10		10			
						12		12			
Blanking plug	Blanking plug										
		NPQE-P	–	–	–	–	3	–	–	17	
							4				
							6				
							8				
							10				
							12				
Blanking plug	Push-in cap										
		NPQE-P	–	–	–	–	3	–	–	18	
							4				
							6				
							8				
							10				
							12				
L-shape	Push-in L-fitting – male thread with external hex										
		NPQE-L	M3	–	–	–	–	3, 4	–	19	
			M5					3, 4, 6			
			M7					4, 6			
			–					R1/8			4, 6, 8, 10, 12
			–					R1/4			4, 6, 8, 10, 12
			–					R3/8			6, 8, 10, 12, 14, 16
		NPQE-L	M5	–	–	–	–	4	–	20	
			–		G1/8			4, 6, 8, 10			
			–		G1/4			6, 8, 10			
			–		G3/8			8, 10			
			–		–			–			
			–		–			–			
	Push-in L-connector										
		NPQE-L	–	–	–	3	–	3	–	21	
						4		4			
						6		6			
						8		8			
						10		10			
						12		12			
		NPQE-L	–	–	–	3	–	–	3, 4	21	
						4		4, 6			
						6		6, 8			
						8		8, 10			
						10		10, 12			
						12		12			

Product range overview

Design	Version	Type	Connection D1					Connection D2		→ Page/ Internet
			M thread	R thread	G thread	Tubing O.D.	Push-in sleeve ∅	Tubing O.D.	Push-in sleeve ∅	
L-shape	Push-in L-fitting – hollow bolt with external hex									
		NPQE-LH	M5	–	–	–	–	4, 6	–	22
			–	R1/8	–	–	–	4, 6, 8, 10	–	
			–	R1/4	–	–	–	4, 6, 8, 10, 12	–	
			–	R3/8	–	–	–	6, 8, 10, 12	–	
			–	R1/2	–	–	–	10, 12, 16	–	
			–	–	–	–	–	–	–	
L-shape, long	Push-in L-fitting, long – Male thread with external hex									
		NPQE-LL	M3	–	–	–	–	4	–	23
			M5	–	–	–	–	4, 6	–	
			M7	–	–	–	–	4, 6	–	
			–	R1/8	–	–	–	4, 6, 8, 10, 12	–	
			–	R1/4	–	–	–	4, 6, 8, 10, 12	–	
			–	R3/8	–	–	–	8, 10, 12	–	
–	R1/2	–	–	–	12	–				
T-shape	Push-in T-fitting – Male thread with external hex									
		NPQE-T	M3	–	–	–	–	4	–	24
			M5	–	–	–	–	4, 6	–	
			–	R1/8	–	–	–	4, 6, 8, 10, 12	–	
			–	R1/4	–	–	–	4, 6, 8, 10, 12	–	
			–	R3/8	–	–	–	8, 10, 12	–	
			–	R1/2	–	–	–	10, 12, 16	–	
	Push-in T-connector									
		NPQE-T	–	–	–	3	–	3	–	25
			–	–	–	4	–	4	–	
			–	–	–	6	–	6	–	
			–	–	–	8	–	8	–	
			–	–	–	10	–	10	–	
			–	–	–	12	–	12	–	
	NPQE-T Increasing	–	–	–	16	–	16	–	25	
		–	–	–	3	–	4	–		
		–	–	–	4	–	6, 8	–		
		–	–	–	6	–	8, 10	–		
		–	–	–	8	–	10, 12	–		
		–	–	–	10	–	12	–		
	NPQE-T Reducing	–	–	–	12	–	16	–	25	
		–	–	–	6	–	4	–		
		–	–	–	8	–	6	–		
		–	–	–	10	–	8	–		
		–	–	–	12	–	10	–		
		–	–	–	–	–	–	–		
Push-in T-fitting – male thread with external hex, additional push-in connector, in-line										
	NPQE-LQ	M5	–	–	–	–	4, 6	–	26	
		–	R1/8	–	–	–	4, 6, 8, 10, 12	–		
		–	R1/4	–	–	–	4, 6, 8, 10, 12	–		
Push-in T-fitting – male thread with external hex, additional connector, female thread, in-line										
	NPQE-LT	M5	–	–	–	–	4, 6	–	27	
		–	R1/8	–	–	–	4, 6, 8, 10	–		
		–	R1/4	–	–	–	6, 8, 10, 12	–		
		–	R3/8	–	–	–	10, 12	–		
		–	R1/2	–	–	–	12	–		

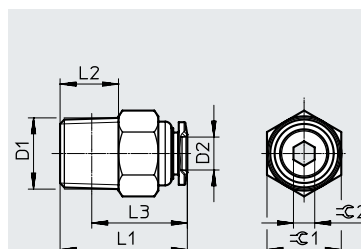
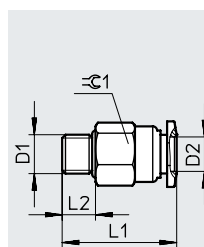
Product range overview

Design	Version	Type	Connection D1				Connection D2		→ Page/ Internet	
			M thread	R thread	G thread	Tubing O.D.	Push-in sleeve Ø	Tubing O.D.		Push-in sleeve Ø
Y-shape	Push-in Y-fitting – male thread with external hex									
		NPQE-Y	–	R1/8	–	–	–	4, 6, 8, 10	–	28
				R1/4				4, 6, 8, 10		
				R3/8				10, 12		
				R1/2				12		
	Push-in Y-connector									
		NPQE-Y	–	–	–	3	–	3	–	29
						4		4		
						6		6		
						8		8		
						10		10		
						12		12		
		NPQE-Y Reducing	–	–	–	4	–	3	–	29
						6		4		
						8		4, 6		
						10		6, 8		
						12		8, 10		
						16		12		
X shape										
	NPQE-X	–	–	–	3	–	3	–	30	
					4		4			
					6		6			
					8		8			
					10		10			
					12		12			
	NPAP-QE	–	–	–	4	–	–	–	30	
					6					
					8					
					10					
					12					
					16					

Data sheet

Push-in fitting NPQE-D

Male thread with external hex



Dimensions and ordering data

Pneumatic connection		Nominal width [mm]	Dimensions [mm]					Weight/ piece [g]	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		L1	L2	L3	$\varnothing 1$	$\varnothing 2$				
D1	D2										
Metric thread with sealing ring											
M3	3	1	14.8	3	–	5.5	–	1.09	8112906	NPQE-D-M3-Q3-P10	10
	4	1	16.8	3	–	8	–	2.92	8112907	NPQE-D-M3-Q4-P10 ²⁾	10
M5	3	2	15.5	3.5	–	8	–	2.88	8112908	NPQE-D-M5-Q3-P10	10
	4	2.3	17.3	3.5	–	8	–	2.93	8112909	NPQE-D-M5-Q4-P10 ²⁾	10
	6	2.3	18.2	3.5	–	10	–	3.86	8112910	NPQE-D-M5-Q6-P10 ²⁾	10
M7	4	3	20.1	6	–	10	–	6.43	8112911	NPQE-D-M7-Q4-P10 ²⁾	10
	6	3.5	20.6	6	–	10	–	5.22	8112912	NPQE-D-M7-Q6-P10 ²⁾	10
R thread											
R1/8	4	3	19.4	8	15.4	10	–	6.66	8112913	NPQE-D-R18-Q4-P10 ²⁾	10
	6	4	19.5	8	15.5	10	–	5.74	8112914	NPQE-D-R18-Q6-P10 ²⁾	10
	8	5	28.1	8.5	24.1	14	5	14.75	8112915	NPQE-D-R18-Q8-P10	10
	10	5	30.4	8.5	26.4	17	5	20.26	8112916	NPQE-D-R18-Q10-P10	10
	12	5	32.4	8.5	28.4	21	5	27.95	8112917	NPQE-D-R18-Q12-P10	10
R1/4	4	3	19.4	11	13.4	14	3	15.2	8112918	NPQE-D-R14-Q4-P10	10
	6	4	24	11	18	14	4	17.16	8112919	NPQE-D-R14-Q6-P10	10
	8	6	26.1	11	20.1	14	6	13.08	8112920	NPQE-D-R14-Q8-P10	10
	10	6	32.7	11.5	26.7	17	6	25.08	8112921	NPQE-D-R14-Q10-P10	10
	12	6	35.4	11.5	29.4	21	6	30.53	8112922	NPQE-D-R14-Q12-P10	10
R3/8	6	4	22	12	15.6	17	4	23.17	8112923	NPQE-D-R38-Q6-P5	5
	8	6	23.7	12	17.3	17	6	20.58	8112924	NPQE-D-R38-Q8-P5	5
	10	8	28.4	12	22	17	8	23.59	8112925	NPQE-D-R38-Q10-P5	5
	12	8	31.4	12.5	25	21	8	32.45	8112926	NPQE-D-R38-Q12-P5	5
	14	8	39.2	12.5	32.8	22	8	46.8	8112927	NPQE-D-R38-Q14-P5	5
R1/2	16	8	40.1	12.5	33.7	24	8	48.2	8112928	NPQE-D-R38-Q16-P5	5
	6	4	26	15	17.8	21	4	46.67	8112929	NPQE-D-R12-Q6-P5	5
	8	6	27.1	15	18.9	21	6	41.88	8112930	NPQE-D-R12-Q8-P5	5
	10	8	26.8	15	18.6	21	8	35.66	8112931	NPQE-D-R12-Q10-P5	5
	12	8	34.1	15	25.9	21	8	43.13	8112932	NPQE-D-R12-Q12-P5	5
	14	10	35.7	15	27.5	22	10	43	8112933	NPQE-D-R12-Q14-P5	5
	16	10	37.1	15.5	28.9	24	10	46.9	8112934	NPQE-D-R12-Q16-P5	5

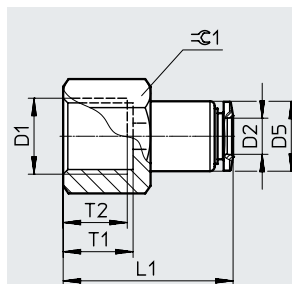
1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in fitting NPQE-D

Female thread with external hex



Dimensions and ordering data

Pneumatic connection		Nominal width	Dimensions [mm]					Weight/ piece	Part no.	Type	ST ¹⁾
Female thread	For tubing O.D.		D5 ø	L1	T1	T2	±1				
D1	D2	[mm]						[g]			
Metric thread											
M5	3	2.2	7	17.3	6	5.5	8	3.56	8112984	NPQE-D-M5F-Q3-P10	10
	4	2.5	8	19.6	6	5.5	10	5	8112985	NPQE-D-M5F-Q4-P10 ²⁾	10
G thread											
G1/8	4	2.5	10	24.8	9	8	14	13.92	8112986	NPQE-D-G18F-Q4-P10	10
	6	4.5	12	26.1	9	8	14	15.67	8112987	NPQE-D-G18F-Q6-P10	10
	8	6	14	28.1	9	8	14	16.98	8112988	NPQE-D-G18F-Q8-P10	10
	10	8	17	30.1	9	8	17	27.66	8112989	NPQE-D-G18F-Q10-P10	10
G1/4	4	2.5	10	27.8	12	11	17	22.8	8112990	NPQE-D-G14F-Q4-P10	10
	6	4.5	12	29.1	12	11	17	22.67	8112991	NPQE-D-G14F-Q6-P10	10
	8	6	14	31.1	12	11	17	24.58	8112992	NPQE-D-G14F-Q8-P10	10
	10	8	17	33.1	12	11	17	26.76	8112993	NPQE-D-G14F-Q10-P10	10
G3/8	12	10	20	35.6	12	11	21	47.23	8112994	NPQE-D-G14F-Q12-P10	10
	6	4.5	12	30.1	13	12	21	32.67	8112995	NPQE-D-G38F-Q6-P5	5
	8	6	14	32.1	13	12	21	38.57	8112996	NPQE-D-G38F-Q8-P5	5
	10	8	17	34.1	13	12	21	36.86	8112997	NPQE-D-G38F-Q10-P5	5
G1/2	12	10	20	36.6	13	12	21	40.93	8112998	NPQE-D-G38F-Q12-P5	5
	12	20	38.6	15	14	24	24	48.53	8112999	NPQE-D-G12F-Q12-P5	5
	16	14	23.8	41.1	15	14	24	59.1	8113000	NPQE-D-G12F-Q16-P5	5

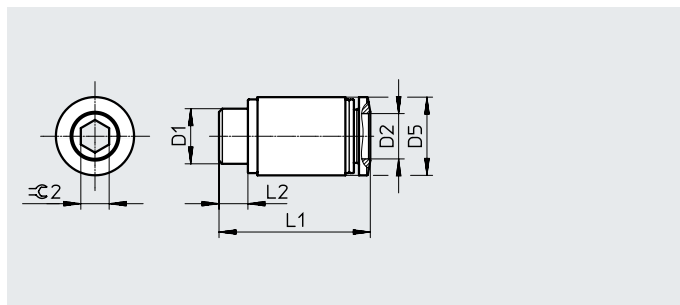
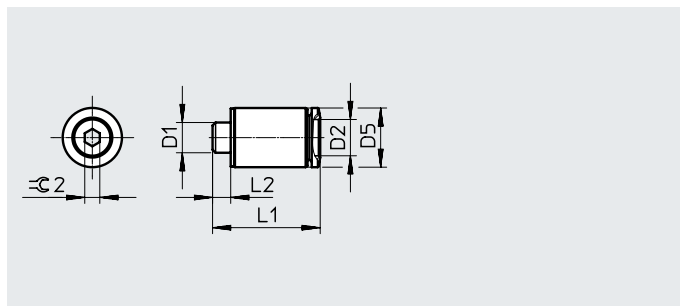
1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in fitting NPQE-DK

Male thread with internal hexagon



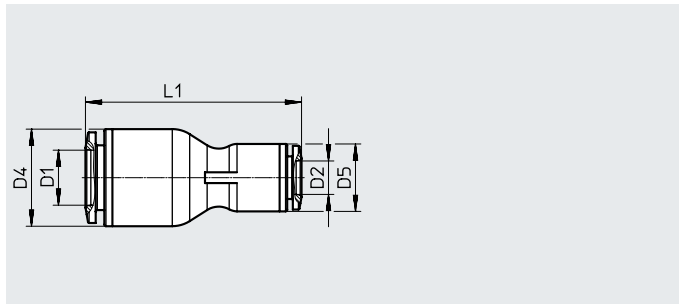
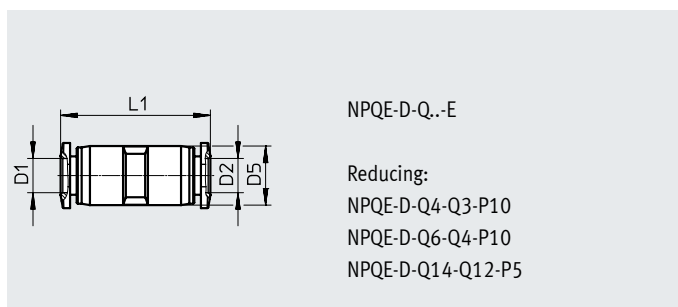
Dimensions and ordering data									ST ¹⁾	
Pneumatic connection		D5 Ø	L1	L2	≙ 2	Weight/ piece [g]	Part no.	Type		
Male thread D1	For tubing O.D. D2									
Metric thread										
M3	3	8	15.5	2.5	1.5	2.5	8112964	NPQE-DK-M3-Q3-P10	10	
	4	8	16.4	2.5	1.5	2.1	8112965	NPQE-DK-M3-Q4-P10 ²⁾	10	
M5	3	8	15.9	3	2	3	8112966	NPQE-DK-M5-Q3-P10	10	
	4	8	17.3	3	2.5	2.85	8112967	NPQE-DK-M5-Q4-P10 ²⁾	10	
	6	10	17.8	3	2.5	3.6	8112968	NPQE-DK-M5-Q6-P10 ²⁾	10	
M7	4	10	18.8	5.5	3	4.8	8112969	NPQE-DK-M7-Q4-P10 ²⁾	10	
	6	10	20.4	5.5	4	4.3	8112970	NPQE-DK-M7-Q6-P10 ²⁾	10	
G thread										
G1/8	4	13	16.2	5.1	3	6.5	8112971	NPQE-DK-G18-Q4-P10 ²⁾	10	
	6	13	18.2	5.1	4	7.2	8112972	NPQE-DK-G18-Q6-P10 ²⁾	10	
	8	14	25.7	4.2	5	11.6	8112973	NPQE-DK-G18-Q8-P10	10	
	10	17	28.3	4.2	5	17.5	8112974	NPQE-DK-G18-Q10-P10	10	
G1/4	6	17	20.1	4.8	4	12.8	8112975	NPQE-DK-G14-Q6-P10	10	
	8	17	24.4	4.8	6	14	8112976	NPQE-DK-G14-Q8-P10	10	
	10	17	28.9	4.8	7	19.5	8112977	NPQE-DK-G14-Q10-P10	10	
	12	20	31.1	4.8	7	26.8	8112978	NPQE-DK-G14-Q12-P10	10	

1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in connector NPQE-D



Dimensions and ordering data

Pneumatic connection		Nominal width	Dimensions [mm]			Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	For tubing O.D.		D4 ø	D5 ø	L1				
D1	D2	[mm]				[g]			
3	3	2.2	–	6.2	20.2	1.03	8113103	NPQE-D-Q3-E-P10	10
4	4	2.3	–	8.1	26	2.04	8113105	NPQE-D-Q4-E-P10 ²⁾	10
6	6	4	–	10.7	27.1	3.11	8113107	NPQE-D-Q6-E-P10 ²⁾	10
8	8	7.1	–	14	38.5	6.4	8113110	NPQE-D-Q8-E-P10	10
10	10	9.3	–	18	47.2	12.54	8113113	NPQE-D-Q10-E-P10	10
12	12	10	–	20.6	48.8	16.06	8113116	NPQE-D-Q12-E-P10	10
14	14	13	–	23.5	50.8	19.88	8113119	NPQE-D-Q14-E-P5	5
16	16	13	–	25	50	22.4	8113120	NPQE-D-Q16-E-P5	5
Reducing									
4	3	2.3	–	8.1	25.5	1.8	8113104	NPQE-D-Q4-Q3-P10 ²⁾	10
6	4	2.3	–	10.7	26.9	3.02	8113106	NPQE-D-Q6-Q4-P10 ²⁾	10
8	4	3.5	14	10.5	35.5	5.29	8113108	NPQE-D-Q8-Q4-P10	10
	6	5.3	14	12.5	34.6	5.57	8113109	NPQE-D-Q8-Q6-P10	10
10	6	5.3	18	12.5	40.1	8.95	8113111	NPQE-D-Q10-Q6-P10	10
	8	7.1	18	14	39.5	9.07	8113112	NPQE-D-Q10-Q8-P10	10
12	8	7.1	20.6	14	43.9	11.98	8113114	NPQE-D-Q12-Q8-P10	10
	10	9.3	20.6	18	44.4	13.7	8113115	NPQE-D-Q12-Q10-P10	10
14	10	9.3	23.5	18	48.4	18.22	8113117	NPQE-D-Q14-Q10-P5	5
	12	10	–	23.5	50.4	22.59	8113118	NPQE-D-Q14-Q12-P5	5

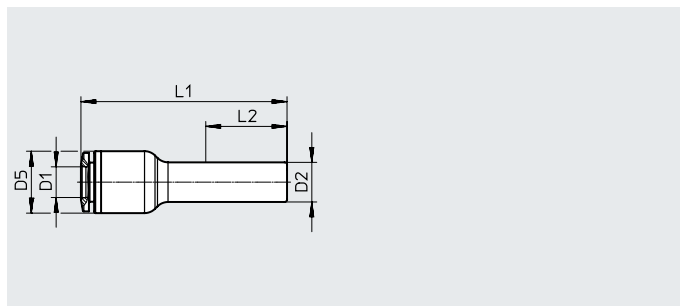
1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in connector NPQE-D

With push-in sleeve



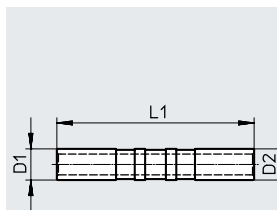
Dimensions and ordering data

Pneumatic connection		Nominal width	Dimensions [mm]			Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	Push-in sleeve		D5 Ø	L1	L2				
D1	D2	[mm]				[g]			
3	QS-4	2.5	6.2	27.6	12.4	0.7	8113183	NPQE-D-Q3-S4-P10	10
4	QS-6	3.5	10.5	39.5	15.9	2.5	8113184	NPQE-D-Q4-S6-P10	10
	QS-8	3.5	13	41.5	18.3	3.97	8113185	NPQE-D-Q4-S8-P10	10
6	QS-8	5	12.5	41.6	18.3	3.27	8113186	NPQE-D-Q6-S8-P10	10
	QS-10	5.5	12.5	42.4	21.1	4.42	8113187	NPQE-D-Q6-S10-P10	10
	QS-12	4.6	12.5	44	22.7	4.54	8113189	NPQE-D-Q6-S12-P10	10
8	QS-10	7	14	46.8	21.1	5	8113188	NPQE-D-Q8-S10-P10	10
	QS-12	7.5	14	46.8	22.7	6.1	8113190	NPQE-D-Q8-S12-P10	10
10	QS-12	8.5	18	52.3	22.7	8.37	8113191	NPQE-D-Q10-S12-P10	10

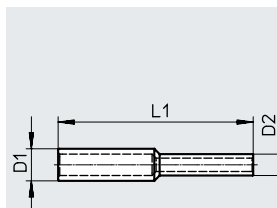
1) Pack size

Data sheet

Push-in sleeve NPQE-D



Reducing



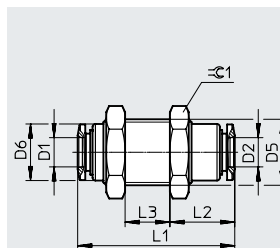
Dimensions and ordering data

Pneumatic connection		Nominal width [mm]	Dimensions [mm]	Weight/ piece [g]	Part no.	Type	ST ¹⁾
Push-in sleeve D1	Push-in sleeve D2		L1				
QS-4	QS-4	2.5	35	0.34	8113210	NPQE-D-S4-E-P10	10
QS-6	QS-6	4	38	0.72	8113212	NPQE-D-S6-E-P10	10
QS-8	QS-8	6	41.5	1.07	8113214	NPQE-D-S8-E-P10	10
QS-10	QS-10	7.5	46	1.8	8113216	NPQE-D-S10-E-P10	10
QS-12	QS-12	9	53	3.12	8113219	NPQE-D-S12-E-P10	10
QS-16	QS-16	13	55.5	4.42	8113221	NPQE-D-S16-E-P5	5
Reducing							
QS-6	QS-4	2.5	36.5	0.56	8113211	NPQE-D-S6-S4-P10	10
QS-8	QS-6	4	40.5	1	8113213	NPQE-D-S8-S6-P10	10
QS-10	QS-8	6	44	1.62	8113215	NPQE-D-S10-S8-P10	10
QS-12	QS-8	6	47.5	2.3	8113217	NPQE-D-S12-S8-P10	10
	QS-10	7.5	49.5	2.71	8113218	NPQE-D-S12-S10-P10	10
QS-16	QS-12	9	54.5	5.45	8113220	NPQE-D-S16-S12-P5	5

1) Pack size

Data sheet

Push-in bulkhead connector NPQE-H

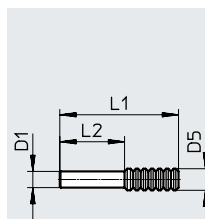
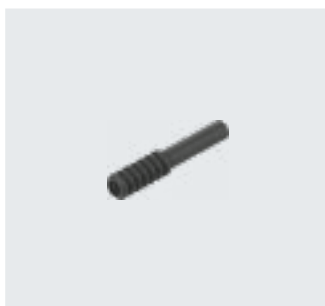


Dimensions and ordering data

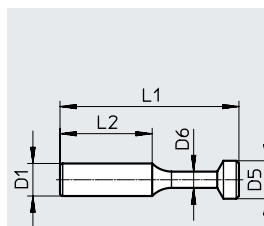
Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	For tubing O.D.		D5	D6 ø	L1	L2	L3	±1				
D1	D2	[mm]							[g]			
3	3	2.2	M8x0.75	5.5	22.4	8.5	7.6	10	6.1	8113121	NPQE-H-Q3-E-P10	10
4	4	2.5	M12x1	10	31.1	11.9	10.7	14	9.74	8113122	NPQE-H-Q4-E-P10	10
6	6	4.5	M14x1	12	33.3	13.7	9.5	17	18.64	8113123	NPQE-H-Q6-E-P10	10
8	8	6	M16x1	14	37.7	16.2	9.8	19	24.76	8113124	NPQE-H-Q8-E-P10	10
10	10	8	M20x1	17	41.8	16.9	11.9	24	48.9	8113125	NPQE-H-Q10-E-P10	10
12	12	10	M22x1	20	46.9	18.8	14.8	27	56.06	8113126	NPQE-H-Q12-E-P10	10

1) Pack size

Blanking plug NPQE-P



NPQE-P-S3-P10



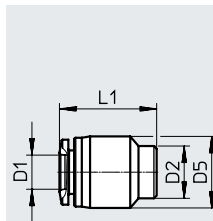
Dimensions and ordering data

Pneumatic connection	Dimensions [mm]				Weight/ piece	Part no.	Type	ST ¹⁾
Push-in sleeve	D5	D6	L1	L2				
D1	Ø	Ø			[g]			
QS-3	4	–	22	12	0.25	8113203	NPQE-P-S3-P10	10
QS-4	5	3	28	15	0.35	8113204	NPQE-P-S4-P10	10
QS-6	7	3	33	17	0.9	8113205	NPQE-P-S6-P10	10
QS-8	9	4	37	18	1.3	8113206	NPQE-P-S8-P10	10
QS-10	11	5	42	20.5	1.7	8113207	NPQE-P-S10-P10	10
QS-12	13	6	42	23	2.8	8113208	NPQE-P-S12-P10	10
QS-16	17	8	46	24	5.07	8113209	NPQE-P-S16-P5	5

1) Pack size

Data sheet

Push-in cap NPQE-P



Dimensions and ordering data

Pneumatic connection	Dimensions [mm]			Weight/ piece [g]	Part no.	Type	ST ¹⁾
For tubing O.D. D1	D2 ø	D5 ø	L1				
3	4.4	6.2	10.6	0.51	8113171	NPQE-P-Q3-P10	10
4	7.5	11	16.6	2	8113172	NPQE-P-Q4-P10	10
6	9.5	13	17.7	2.7	8113173	NPQE-P-Q6-P10	10
8	11.2	15	20.3	3.71	8113174	NPQE-P-Q8-P10	10
10	13.8	18.4	23.1	6.42	8113175	NPQE-P-Q10-P10	10
12	16.3	21.5	25.2	9.03	8113176	NPQE-P-Q12-P10	10

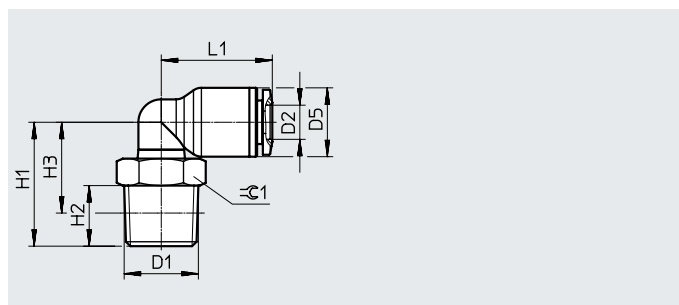
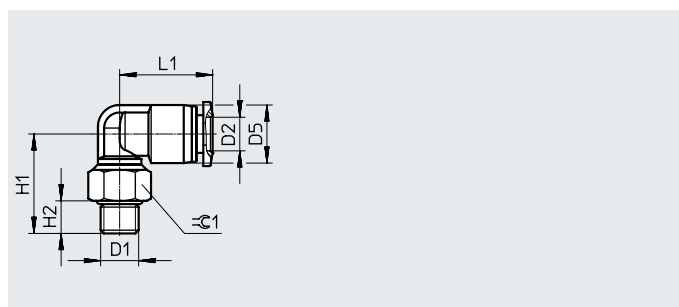
1) Pack size

Data sheet

Push-in L-fitting NPQE-L

Male thread with external hex

Can be aligned after mounting



Dimensions and ordering data												
Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 ø	H1	H2	H3	L1	≈ 1				
D1	D2	[mm]							[g]			
Metric thread with sealing ring												
M3	3	1	6.2	12.7	3	–	11.3	5.5	1.42	8112935	NPQE-L-M3-Q3-P10	10
	4	1	8.1	14.1	3	–	16.4	8	3.62	8112936	NPQE-L-M3-Q4-P10 ²⁾	10
M5	3	2.2	6.2	14.6	3.5	–	11.3	8	2.77	8112937	NPQE-L-M5-Q3-P10	10
	4	2.3	8.1	14.6	3.5	–	16.4	8	3.55	8112938	NPQE-L-M5-Q4-P10 ²⁾	10
	6	2.3	10.7	16.3	3.5	–	17.1	8	4.18	8112939	NPQE-L-M5-Q6-P10 ²⁾	10
M7	4	2.3	8.1	16.6	6	–	16.4	10	6.4	8112940	NPQE-L-M7-Q4-P10 ²⁾	10
	6	2.3	10.7	18.3	6	–	17.1	10	7.03	8112941	NPQE-L-M7-Q6-P10 ²⁾	10
R thread												
R1/8	4	3.4	10.5	19	8	15	18.8	10	7.9	8112942	NPQE-L-R18-Q4-P10	10
	6	4	12.5	20	8	16	20.1	10	8.69	8112943	NPQE-L-R18-Q6-P10	10
	8	6	14	23.4	8	19.4	22.5	10	6.94	8112944	NPQE-L-R18-Q8-P10	10
	10	6.5	18	25.2	8.5	21.2	27	17	22.35	8112945	NPQE-L-R18-Q10-P10	10
	12	6.5	20.6	26.7	8.5	22.7	28.5	17	24.01	8112946	NPQE-L-R18-Q12-P10	10
R1/4	4	3.4	10.5	21.5	11	15.5	18.8	14	14.27	8112947	NPQE-L-R14-Q4-P10	10
	6	4	12.5	22.5	11	16.5	20.1	14	15.06	8112948	NPQE-L-R14-Q6-P10	10
	8	6	14	23	11	17	22.5	14	7.4	8112949	NPQE-L-R14-Q8-P10	10
	10	8.5	18	28.3	11.5	22.3	27	17	26.25	8112950	NPQE-L-R14-Q10-P10	10
	12	8.5	20.6	29.8	11.5	23.8	28.5	17	27.91	8112951	NPQE-L-R14-Q12-P10	10
R3/8	6	4	12.5	24	12	17.6	20.1	17	23.96	8112952	NPQE-L-R38-Q6-P5	5
	8	6	14	24.5	12	18.1	22.5	17	22.44	8112953	NPQE-L-R38-Q8-P5	5
	10	9.3	18	26.3	12	19.9	27	17	26.05	8112954	NPQE-L-R38-Q10-P5	5
	12	9.5	20.6	27.8	12	21.4	28.5	17	27.71	8112955	NPQE-L-R38-Q12-P5	5
	14	11.5	23.5	36.2	12.5	29.8	33.4	20	41.23	8112956	NPQE-L-R38-Q14-P5	5
	16	11.5	25	35.7	12.5	29.3	33.5	20	40.97	8112957	NPQE-L-R38-Q16-P5	5
R1/2	6	4	12.5	27	15	18.8	20.1	21	44.89	8112958	NPQE-L-R12-Q6-P5	5
	8	6	14	27.5	15	19.3	22.5	21	39.94	8112959	NPQE-L-R12-Q8-P5	5
	10	9.3	18	29.3	15	21.1	27	21	41.85	8112960	NPQE-L-R12-Q10-P5	5
	12	9.5	20.6	30.8	15	22.6	28.5	21	43.51	8112961	NPQE-L-R12-Q12-P5	5
	14	13	23.5	38.7	15	30.5	33.4	21	52.73	8112962	NPQE-L-R12-Q14-P5	5
	16	13	25	38.2	15	30	33.5	21	52.47	8112963	NPQE-L-R12-Q16-P5	5

1) Pack size

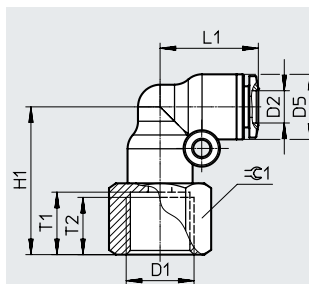
2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in L-fitting NPQE-L

Female thread with external hex

Can be aligned after mounting



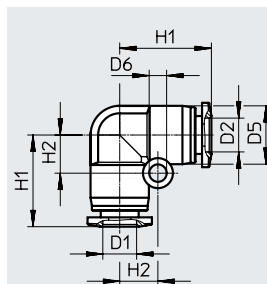
Dimensions and ordering data

Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
Female thread	For tubing O.D.		D5 ø	H1	L1	T1	T2	± 1				
D1	D2	[mm]							[g]			
Metric thread												
M5	4	2.5	10.5	18.5	17.5	6	5.5	10	8.07	8113001	NPQE-L-M5F-Q4-P10	10
G thread												
G1/8	4	2.5	10.5	24	17.5	9	8	14	14.67	8113002	NPQE-L-G18F-Q4-P10	10
	6	4.5	12.5	25.4	18.7	9	8	14	16.97	8113003	NPQE-L-G18F-Q6-P10	10
	8	6	14	28.3	22.5	9	8	14	20.2	8113004	NPQE-L-G18F-Q8-P10	10
	10	8	18	27.3	27.2	9	8	17	28.25	8113005	NPQE-L-G18F-Q10-P10	10
G1/4	6	4.5	12.5	28.4	18.7	12	11	17	22.97	8113006	NPQE-L-G14F-Q6-P10	10
	8	6	14	31.3	22.5	12	11	17	25.7	8113007	NPQE-L-G14F-Q8-P10	10
	10	8.5	18	35.3	27.2	12	11	17	33.76	8113008	NPQE-L-G14F-Q10-P10	10
G3/8	8	6	14	33	22.5	13	12	21	36.2	8113009	NPQE-L-G38F-Q8-P5	5
	10	8	18	37.3	27.2	13	12	21	44.76	8113010	NPQE-L-G38F-Q10-P5	5

1) Pack size

Data sheet

Push-in L-connector NPQE-L



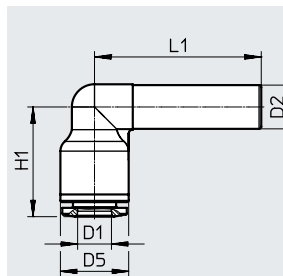
Dimensions and ordering data		Nominal width	Dimensions [mm]				Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	For tubing O.D.		D5 ø	D6 ø	H1	H2				
D1	D2	[mm]					[g]			
3	3	2.2	6.2	3.2	11.6	4.7	1.13	8113127	NPQE-L-Q3-E-P10	10
4	4	2.3	8.1	3.2	15.1	6	2.31	8113128	NPQE-L-Q4-E-P10 ²⁾	10
6	6	4	10.7	3.2	16.8	7	4.21	8113129	NPQE-L-Q6-E-P10 ²⁾	10
8	8	7.1	14	3.3	22.5	10	7	8113130	NPQE-L-Q8-E-P10	10
10	10	9.3	18	4.3	27.3	12	13.54	8113131	NPQE-L-Q10-E-P10	10
12	12	10	20.6	4.3	29.3	13.5	17.96	8113132	NPQE-L-Q12-E-P10	10
14	14	13	23.5	4.3	31.9	13.5	25.59	8113133	NPQE-L-Q14-E-P5	5
16	16	14.3	25	4.3	32.5	15.5	25	8113134	NPQE-L-Q16-E-P5	5

1) Pack size

2) Not suitable for safety clip NPAP-QE

Push-in L-connector NPQE-L

With push-in sleeve



Dimensions and ordering data		Nominal width	Dimensions [mm]			Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	Push-in sleeve		D5 ø	H1	L1				
D1	D2	[mm]				[g]			
3	QS-3	1.5	6.2	11.3	22.5	0.73	8113192	NPQE-L-Q3-S3-P10	10
	QS-4	2.2	6.2	11.3	25	0.93	8113193	NPQE-L-Q3-S4-P10	10
4	QS-4	2.5	8.1	14.9	25	1.41	8113194	NPQE-L-Q4-S4-P10 ²⁾	10
	QS-6	3	8.1	14.9	29.5	1.88	8113195	NPQE-L-Q4-S6-P10 ²⁾	10
6	QS-6	4	10.7	17.1	27	2.43	8113196	NPQE-L-Q6-S6-P10 ²⁾	10
	QS-8	4	12.5	20.1	30.5	3.67	8113197	NPQE-L-Q6-S8-P10	10
8	QS-8	6	14	22.5	30.5	4.71	8113198	NPQE-L-Q8-S8-P10	10
	QS-10	6	14	22.5	33.5	5.16	8113199	NPQE-L-Q8-S10-P10	10
10	QS-10	9.3	18	27	34.5	8.57	8113200	NPQE-L-Q10-S10-P10	10
	QS-12	9.3	18	27	39	8.84	8113201	NPQE-L-Q10-S12-P10	10
12	QS-12	9.5	20.6	28.5	39.2	12.04	8113202	NPQE-L-Q12-S12-P10	10

1) Pack size

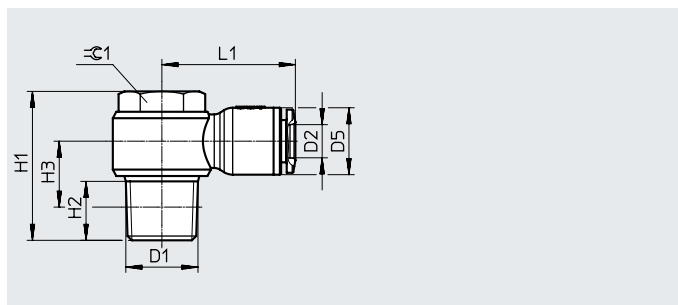
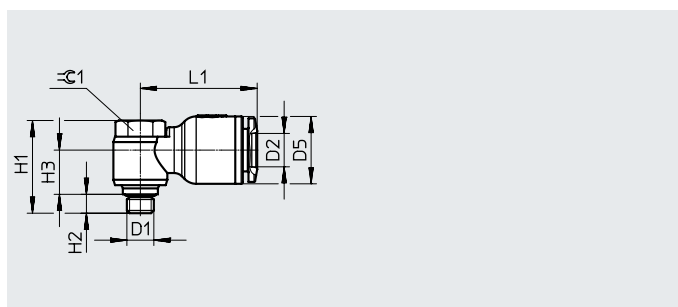
2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in L-fitting NPQE-LH

Hollow bolt with external hex

Can be aligned after mounting



Dimensions and ordering data												
Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 ø	H1	H2	H3	L1	≈ 1				
D1	D2	[mm]							[g]			
Metric thread with sealing ring												
M5	4	1.8	10.5	17.2	3.5	7.2	20	8	6.66	8113030	NPQE-LH-M5-Q4-P10	10
M5	6	1.8	12.5	17.2	3.5	8.2	21.9	8	7.06	8113031	NPQE-LH-M5-Q6-P10	10
R thread												
R1/8	4	3	10.5	24	8	11.5	22.3	10	11.35	8113032	NPQE-LH-R18-Q4-P10	10
	6	4	12.5	24	8	11.5	22.9	10	11.89	8113033	NPQE-LH-R18-Q6-P10	10
	8	4	14	24	8	12.3	25.3	10	12.71	8113034	NPQE-LH-R18-Q8-P10	10
	10	4	18	24	8	14.2	30.2	10	15.87	8113035	NPQE-LH-R18-Q10-P10	10
R1/4	4	3.5	10.5	27.8	11	12.3	24.1	14	23.2	8113036	NPQE-LH-R14-Q4-P10	10
	6	4	12.5	27.8	11	12.3	25	14	23.74	8113037	NPQE-LH-R14-Q6-P10	10
	8	5	14	27.8	11	13.3	28.4	14	24.54	8113038	NPQE-LH-R14-Q8-P10	10
	10	5	18	27.8	11	15	32	14	27.59	8113039	NPQE-LH-R14-Q10-P10	10
	12	5	20.6	27.8	11	16.3	33.2	14	29.64	8113040	NPQE-LH-R14-Q12-P10	10
R3/8	6	4	12.5	33.4	12	14.2	26.5	19	41	8113041	NPQE-LH-R38-Q6-P5	5
	8	5	14	33.4	12	14	29.3	19	41.8	8113042	NPQE-LH-R38-Q8-P5	5
	10	6.5	18	33.4	12	16	32.5	19	44.66	8113043	NPQE-LH-R38-Q10-P5	5
	12	6.5	20.6	33.4	12	17.3	35.3	19	46.87	8113044	NPQE-LH-R38-Q12-P5	5
R1/2	10	8	18	40.1	15	17.6	35.5	24	84.64	8113045	NPQE-LH-R12-Q10-P5	5
	12	8	20.6	40.1	15	18.9	36.3	24	85.18	8113046	NPQE-LH-R12-Q12-P5	5
	16	8	25	49	15	21.8	37.5	24	99.93	8113047	NPQE-LH-R12-Q16-P5	5

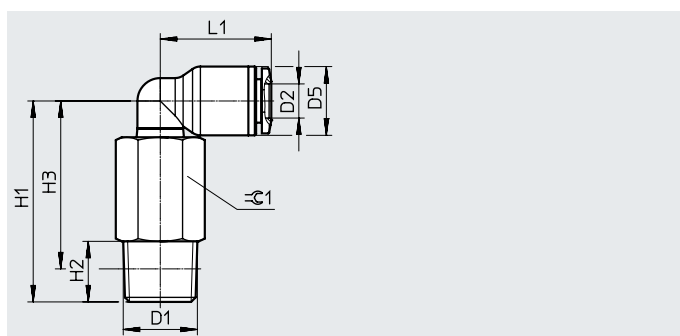
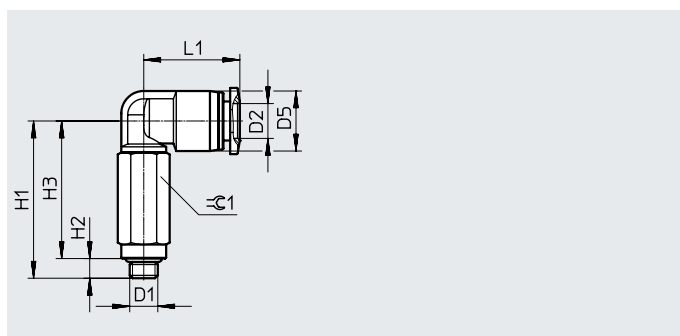
1) Pack size

Data sheet

Push-in L-fitting, long NPQE-LL

Male thread with external hex

Can be aligned after mounting



Dimensions and ordering data												
Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 ø	H1	H2	H3	L1	±0.1				
D1	D2	[mm]							[g]			
Metric thread with sealing ring												
M3	4	1	8.1	23.1	3	20.1	16.4	8	7.02	8113011	NPQE-LL-M3-Q4-P10 ²⁾	10
M5	4	2.3	8.1	26.3	3.5	22.8	16.4	8	8.79	8113012	NPQE-LL-M5-Q4-P10 ²⁾	10
	6	2.3	10.7	28	3.5	24.5	17.1	8	9.34	8113013	NPQE-LL-M5-Q6-P10 ²⁾	10
M7	4	2.3	8.1	29.1	6	23.1	16.4	10	14.09	8113014	NPQE-LL-M7-Q4-P10 ²⁾	10
	6	2.3	10.7	30.8	6	24.8	17.1	10	14.73	8113015	NPQE-LL-M7-Q6-P10 ²⁾	10
R thread												
R1/8	4	3.4	10.5	33	8	29	18.8	10	13.92	8113016	NPQE-LL-R18-Q4-P10	10
	6	4	12.5	34	8	30	20.1	10	14.86	8113017	NPQE-LL-R18-Q6-P10	10
	8	6	14	39.2	8	35.2	22.5	10	15.37	8113018	NPQE-LL-R18-Q8-P10	10
	10	6.5	18	47.3	8.5	43.3	26.9	17	51.29	8113019	NPQE-LL-R18-Q10-P10	10
	12	6.5	20.6	48.8	8.5	44.8	28.4	17	54.95	8113020	NPQE-LL-R18-Q12-P10	10
R1/4	4	3.4	10.5	35.5	11	29.5	18.8	14	29.73	8113021	NPQE-LL-R14-Q4-P10	10
	6	4	12.5	36.5	11	30.5	20	14	30.73	8113022	NPQE-LL-R14-Q6-P10	10
	8	6	14	38.8	11	32.8	22.5	14	32.39	8113023	NPQE-LL-R14-Q8-P10	10
	10	8.5	18	50.4	11.5	44.4	26.9	17	57.18	8113024	NPQE-LL-R14-Q10-P10	10
	12	8.5	20.6	51.9	11.5	45.9	28.4	17	60.84	8113025	NPQE-LL-R14-Q12-P10	10
R3/8	8	6	14	40.3	12	33.9	22.5	17	45.83	8113026	NPQE-LL-R38-Q8-P5	5
	10	9.3	18	48.4	12	42	26.9	17	54.49	8113027	NPQE-LL-R38-Q10-P5	5
	12	9.5	20.6	49.9	12	43.5	28.4	17	58.15	8113028	NPQE-LL-R38-Q12-P5	5
R1/2	12	9.5	20.6	52.9	15	44.7	28.4	21	82.54	8113029	NPQE-LL-R12-Q12-P5	5

1) Pack size

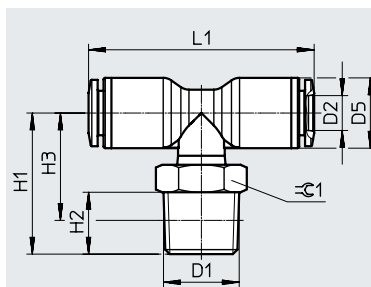
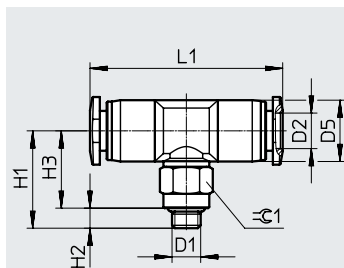
2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in T-fitting NPQE-T

Male thread with external hex

Can be aligned after mounting



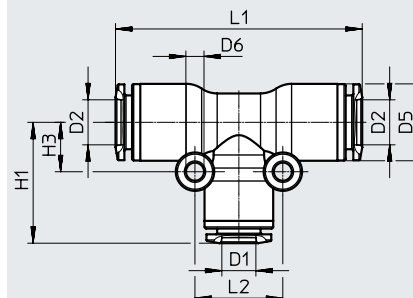
Dimensions and ordering data												
Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 ø	H1	H2	H3	L1	±1				
D1	D2	[mm]							[g]			
Metric thread with sealing ring												
M3	4	1	8.1	15.3	3	12.3	30.2	8	4.63	8113048	NPQE-T-M3-Q4-P10 ²⁾	10
M5	4	2.2	8.1	15.8	3.5	12.3	30.2	8	3.94	8113049	NPQE-T-M5-Q4-P10 ²⁾	10
	6	2.2	10.7	17	3.5	13.5	33.6	8	6.03	8113050	NPQE-T-M5-Q6-P10 ²⁾	10
R thread												
R1/8	4	3.4	10.5	21.5	8	17.5	36	10	8.93	8113051	NPQE-T-R18-Q4-P10	10
	6	4	12.5	22.6	8	18.6	40.2	10	10.34	8113052	NPQE-T-R18-Q6-P10	10
	8	6	14	27.1	8	23.1	45.4	10	12.67	8113053	NPQE-T-R18-Q8-P10	10
	10	6.5	18	28.5	8.5	24.5	54	17	26.64	8113054	NPQE-T-R18-Q10-P10	10
	12	6.5	20.6	29.8	8.5	25.8	58.8	17	32.06	8113055	NPQE-T-R18-Q12-P10	10
R1/4	4	3.4	10.5	24	11	18	36	14	16.32	8113056	NPQE-T-R14-Q4-P10	10
	6	4	12.5	25.1	11	19.1	40.2	14	17.84	8113057	NPQE-T-R14-Q6-P10	10
	8	6	14	26.7	11	20.7	45.4	14	18.2	8113058	NPQE-T-R14-Q8-P10	10
	10	8.5	18	31.6	11.5	25.6	54	17	30.34	8113059	NPQE-T-R14-Q10-P10	10
	12	8.5	20.6	32.9	11.5	26.9	58.8	17	35.76	8113060	NPQE-T-R14-Q12-P10	10
R3/8	8	6	14	28.2	12	21.8	45.4	17	26.2	8113061	NPQE-T-R38-Q8-P5	5
	10	9.3	18	29.6	12	23.2	54	17	30.44	8113062	NPQE-T-R38-Q10-P5	5
	12	9.5	20.6	30.9	12	24.5	58.8	17	35.86	8113063	NPQE-T-R38-Q12-P5	5
R1/2	10	9.3	18	32.6	15	24.4	54	21	46.14	8113064	NPQE-T-R12-Q10-P5	5
	12	9.5	20.6	33.9	15	25.7	58.8	21	51.56	8113065	NPQE-T-R12-Q12-P5	5
	16	13	25	40.7	15	32.5	69	21	65.6	8113066	NPQE-T-R12-Q16-P5	5

1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

Push-in T-connector NPQE-T



Dimensions and ordering data

Pneumatic connection		Nominal width [mm]	Dimensions [mm]						Weight/ piece [g]	Part no.	Type	ST ¹⁾
For tubing O.D. D1	For tubing O.D. D2		D5 ø	D6 ø	H1	H3	L1	L2				
3	3	2.2	6.2	3.2	11.6	4.7	23.2	9.4	1.69	8113135	NPQE-T-Q3-E-P10	10
4	4	2.3	8.1	3.2	15.1	6	30.2	12	3.46	8113137	NPQE-T-Q4-E-P10 ²⁾	10
6	6	4	10.7	3.2	16.8	7	33.6	14	6.76	8113140	NPQE-T-Q6-E-P10 ²⁾	10
8	8	7.1	14	3.3	22.5	9	44.9	18	12	8113144	NPQE-T-Q8-E-P10	10
10	10	9.3	18	4.3	28	12	56	24	20.41	8113148	NPQE-T-Q10-E-P10	10
12	12	12.3	20.6	4.3	29.4	13.5	58.8	27	26.89	8113152	NPQE-T-Q12-E-P10	10
16	16	14.3	25	4.3	32.5	15.5	65	31	37.85	8113154	NPQE-T-Q16-E-P5	5
Increasing												
3	4	2.2	8.1	3.2	14.6	6	30.2	12	3.31	8113136	NPQE-T-Q3-Q4-P10 ²⁾	10
4	6	2.3	10.7	3.2	16.6	7	33.6	14	5.12	8113139	NPQE-T-Q4-Q6-P10 ²⁾	10
	8	3.5	14	3.3	21	9	42.9	15	10.87	8113142	NPQE-T-Q4-Q8-P10	10
6	8	5.3	14	3.3	22	9	44.9	16	10.27	8113143	NPQE-T-Q6-Q8-P10	10
	10	5.3	18	4.3	23.1	11	52	18	18.01	8113146	NPQE-T-Q6-Q10-P10	10
8	10	7.1	18	4.3	27.5	11	56	18	17.84	8113147	NPQE-T-Q8-Q10-P10	10
	12	7.1	20.6	4.3	27	12.5	56.8	19	24.76	8113150	NPQE-T-Q8-Q12-P10	10
10	12	9.3	20.6	4.3	29	13.5	58.8	24	24.63	8113151	NPQE-T-Q10-Q12-P10	10
12	16	10	25	4.3	31.9	15.5	65	27	25.13	8113153	NPQE-T-Q12-Q16-P5	5
Reducing												
6	4	2.3	10.7	3.2	16.8	7	33.2	14	5.17	8113138	NPQE-T-Q6-Q4-P10 ²⁾	10
8	6	5.3	14	3.3	22.1	9	44.1	16	11.04	8113141	NPQE-T-Q8-Q6-P10	10
10	8	7.1	18	4.3	28	12	55	24	19.77	8113145	NPQE-T-Q10-Q8-P10	10
12	10	9.3	20.6	4.3	29.4	13.5	58	27	26.47	8113149	NPQE-T-Q12-Q10-P10	10

1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

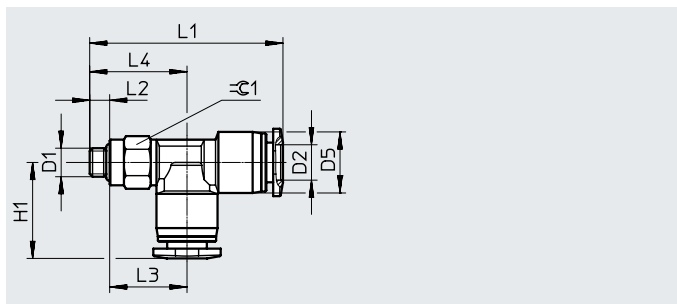
Push-in T-fitting NPQE-LQ

Male thread with external hex,
additional push-in connector, in-line

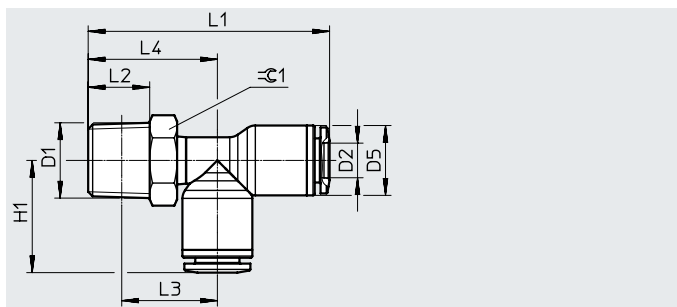
Can be aligned after mounting



M thread



R thread



Dimensions and ordering data													
Pneumatic connection		Nominal width	Dimensions [mm]							Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 Ø	H1	L1	L2	L3	L4	≈G 1				
D1	D2	[mm]								[g]			
Metric thread with sealing ring													
M5	4	2.2	8.1	15.1	30.9	3.5	12.3	15.8	8	4.64	8113067	NPQE-LQ-M5-Q4-P10 ²⁾	10
	6	2.2	10.7	16.8	33.9	3.5	13.6	17.1	8	5.83	8113068	NPQE-LQ-M5-Q6-P10 ²⁾	10
R thread													
R1/8	4	3.4	10.5	18	37.6	8	15.6	19.6	10	8.97	8113069	NPQE-LQ-R18-Q4-P10	10
	6	4	12.5	20.1	40.7	8	16.6	20.6	10	10.68	8113070	NPQE-LQ-R18-Q6-P10	10
	8	6	14	22.7	46.6	8	19.9	23.9	10	12.27	8113071	NPQE-LQ-R18-Q8-P10	10
	10	6.5	18	27	53.3	8.5	22.3	26.3	17	26.44	8113072	NPQE-LQ-R18-Q10-P10	10
	12	6.5	20.6	29.4	56.9	8.5	23.5	27.5	17	32.26	8113073	NPQE-LQ-R18-Q12-P10	10
R1/4	4	3.4	10.5	18	40.1	11	16.1	22.1	14	16.36	8113074	NPQE-LQ-R14-Q4-P10	10
	6	4	12.5	20.1	43.2	11	17.1	23.1	14	18.18	8113075	NPQE-LQ-R14-Q6-P10	10
	8	6	14	22.7	46.2	11	17.5	23.5	14	17.8	8113076	NPQE-LQ-R14-Q8-P10	10
	10	8.5	18	27	56.4	11.5	23.4	29.4	17	30.14	8113077	NPQE-LQ-R14-Q10-P10	10
	12	8.5	20.6	29.4	60	11.5	24.6	30.6	17	35.96	8113078	NPQE-LQ-R14-Q12-P10	10

1) Pack size

2) Not suitable for safety clip NPAP-QE

Data sheet

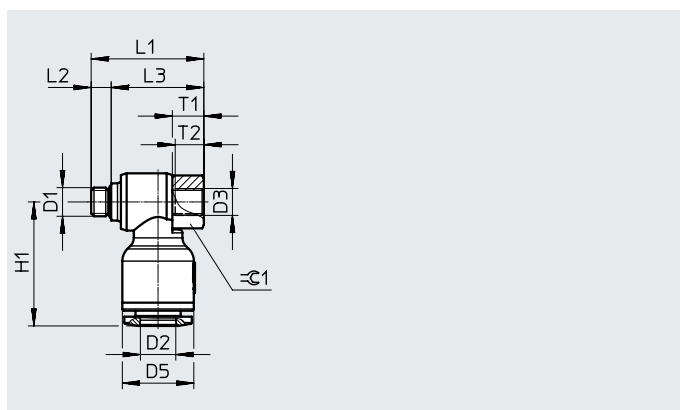
Push-in T-fitting NPQE-LT

Male thread with external hex,
additional connector, female thread,
in-line

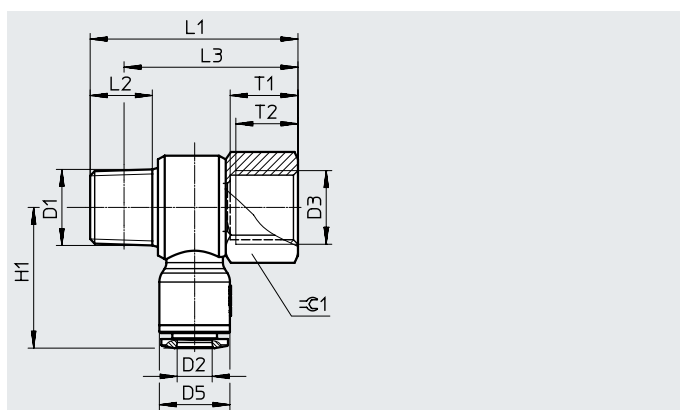
Can be aligned after mounting



M thread



R thread

**Dimensions and ordering data**

Pneumatic connection		Nominal width	Dimensions [mm]									Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D3	D5 Ø	H1	L1	L2	L3	T1	T2	±0.1				
D1	D2	[mm]										[g]			
Metric thread with sealing ring															
M5	4	1.8	M5	10.5	20	19.7	3.5	16.2	5.5	5	8	7.13	8113090	NPQE-LT-M5-Q4-P10	10
	6	1.8	M5	12.5	21.7	19.7	3.5	16.2	5.5	5	8	7.75	8113091	NPQE-LT-M5-Q6-P10	10
R thread															
R1/8	4	3	G1/8	10.5	22.3	31	8	27	9	8	14	18.85	8113092	NPQE-LT-R18-Q4-P10	10
	6	4	G1/8	12.5	22.9	31	8	27	9	8	14	19.39	8113093	NPQE-LT-R18-Q6-P10	10
	8	4	G1/8	14	25.3	31	8	27	9	8	14	20.21	8113094	NPQE-LT-R18-Q8-P10	10
	10	4	G1/8	18	30.2	31	8	27	9	8	14	23.37	8113095	NPQE-LT-R18-Q10-P10	10
R1/4	6	4	G1/4	12.5	24.9	36.8	11	30.8	12	11	17	34.73	8113096	NPQE-LT-R14-Q6-P10	10
	8	5	G1/4	14	28.4	36.8	11	30.8	12	11	17	35.53	8113097	NPQE-LT-R14-Q8-P10	10
	10	5	G1/4	18	32	36.8	11	30.8	12	11	17	38.58	8113098	NPQE-LT-R14-Q10-P10	10
	12	5	G1/4	20.6	33.2	36.8	11	30.8	12	11	17	40.63	8113099	NPQE-LT-R14-Q12-P10	10
R3/8	10	6.5	G3/8	18	32.5	42.9	12	36.5	13	12	21	57.77	8113100	NPQE-LT-R38-Q10-P5	5
	12	6.5	G3/8	20.6	35.3	42.9	12	36.5	13	12	21	59.98	8113101	NPQE-LT-R38-Q12-P5	5
R1/2	12	8	G1/2	20.6	36.3	50	15	41.8	15	14	24	92.17	8113102	NPQE-LT-R12-Q12-P5	5

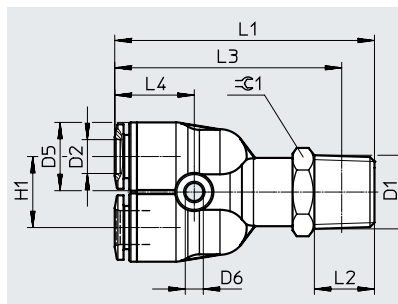
1) Pack size

Data sheet

Push-in Y-fitting NPQE-Y

Male thread with external hex

Can be aligned after mounting

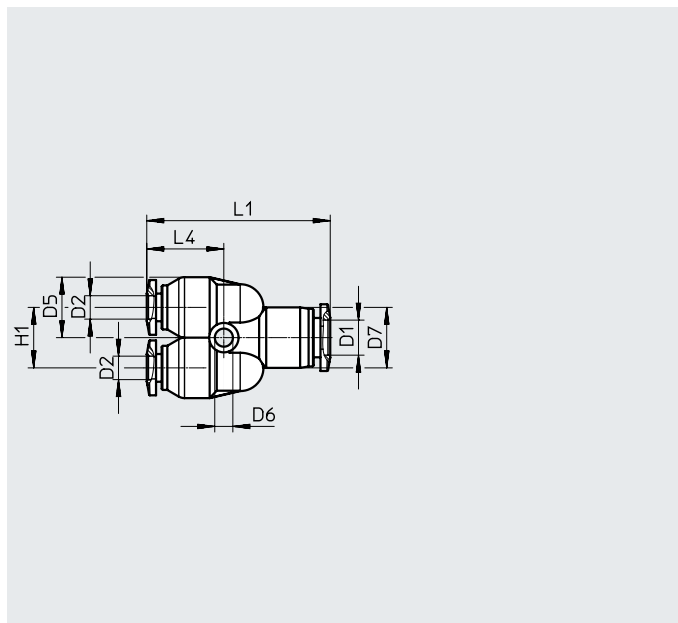


Dimensions and ordering data

Pneumatic connection		Nominal width	Dimensions [mm]								Weight/ piece	Part no.	Type	ST ¹⁾
Male thread	For tubing O.D.		D5 ø	D6 ø	H1	L1	L2	L3	L4	1/8"				
D1	D2	[mm]									[g]			
R thread														
R1/8	4	2.6	10.5	3.3	11	42.5	8	38.5	14	10	12.24	8113079	NPQE-Y-R18-Q4-P10	10
	6	4.6	12.5	3.3	13	44.4	8.5	40.4	14.6	12	14.75	8113080	NPQE-Y-R18-Q6-P10	10
	8	6	14	3.3	15	47.6	8.5	43.6	17.9	14	21.1	8113081	NPQE-Y-R18-Q8-P10	10
	10	5	18	4.3	18	56.8	8.5	52.8	20.4	17	35.84	8113082	NPQE-Y-R18-Q10-P10	10
R1/4	4	2.6	10.5	3.3	11	46.5	11	40.5	14	14	16.24	8113083	NPQE-Y-R14-Q4-P10	10
	6	4.6	12.5	3.3	13	47.6	11	41.6	14.6	14	19.84	8113084	NPQE-Y-R14-Q6-P10	10
	8	6	14	3.3	15	50.3	11	44.3	17.9	14	22.9	8113085	NPQE-Y-R14-Q8-P10	10
	10	8	18	4.3	18	59.8	11.5	53.8	20.4	17	39.14	8113086	NPQE-Y-R14-Q10-P10	10
R3/8	10	8	18	4.3	18	60.5	12	54.1	20.4	17	40.82	8113087	NPQE-Y-R38-Q10-P5	5
	12	9	20.6	4.3	21	64.6	12.5	58.2	21.3	21	58.54	8113088	NPQE-Y-R38-Q12-P5	5
R1/2	12	9	20.6	4.3	21	67.3	15	59.1	21.3	21	64.21	8113089	NPQE-Y-R12-Q12-P5	5

1) Pack size

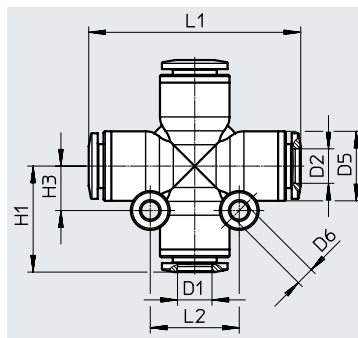
Push-in Y-connector NPQE-Y



- 1) Pack size
- 2) Not suitable for safety clip NPAP-OE

Data sheet

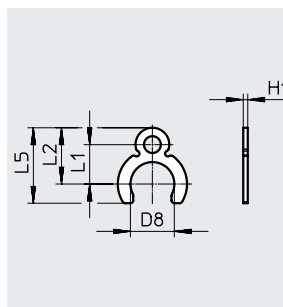
Push-in X connector NPQE-X



Pneumatic connection		Nominal width	Dimensions [mm]						Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.	For tubing O.D.		D5 ø	D6 ø	H1	H3	L1	L2				
D1	D2	[mm]							[g]			
3	3	2.2	6.2	3.2	12.3	4.9	24.6	9.8	2.23	8113177	NPQE-X-Q3-E-P10	10
4	4	3.5	10.5	3.3	17.5	7	35	14	7.77	8113178	NPQE-X-Q4-E-P10	10
6	6	5	12.5	3.3	19.1	8	38.2	16	10.38	8113179	NPQE-X-Q6-E-P10	10
8	8	7	14	3.3	22.5	9	44.9	18	13.7	8113180	NPQE-X-Q8-E-P10	10
10	10	9.3	18	4.3	28.1	12	56	24	26.68	8113181	NPQE-X-Q10-E-P10	10
12	12	10	20.6	4.3	29.4	13.5	58.8	27	34.62	8113182	NPQE-X-Q12-E-P10	10

1) Pack size

Safety clip NPAP-QE



Pneumatic connection		Dimensions [mm]					Weight/ piece	Part no.	Type	ST ¹⁾
For tubing O.D.		D8 ø	H1	L1	L2	L5				
4		5.5	0.8	6	9	12	0.06	8113228	NPAP-QE-S-Q4-P10	10
6		7.8	0.8	7	10	13.5	0.07	8113229	NPAP-QE-S-Q6-P10	10
8		9.7	1.2	8	11	15.3	0.11	8113230	NPAP-QE-S-Q8-P10	10
10		11.9	1.4	10	13.5	18.8	0.23	8113231	NPAP-QE-S-Q10-P10	10
12		14.8	1.6	11	14.5	20.5	0.28	8113232	NPAP-QE-S-Q12-P10	10
16		18.2	1.9	13.5	17.5	24.5	0.39	8113233	NPAP-QE-S-Q16-P10	10

1) Pack size