

Push-in fittings NPQH

FESTO



Push-in fittings NPQH

Key features

FESTO

Application



Effortless selection of the right fitting. Quick Star offers a secure solution for every connection. The convenient push-in fitting system includes well over 1000 types of standard and function fittings.

Overview of tubing/fitting combination			
Applications	Fitting	Tubing	Description
Economical	QS-B	PEN	The universal combination at an attractive price. Can be widely used thanks to resistant materials. Easy to install thanks to optimised bending radii. Limited reset effect.
	NPQM	PEN	Attractively priced: the universal solution for metal fittings. Perfect for standard pneumatic applications – in many different fields.
Wide range of variants	QS	PUN	Over 1000 types for maximum flexibility in standard applications.
Hydrolysis resistant	QS	PUN-H	For applications in damp environments or in contact with water at up to 60 °C. PUN-H - microbe-resistant thanks to modified plastic.
Resistant to pressure	QS	PAN	Secure connection when used with pressure ranges of up to 14 bar. Economical for pneumatic installations in the high pressure ranges.
	NPQH	PAN-R	The powerful combination for applications involving pressure ranges up to 16 bar: For example, for applications with the pressure booster DPA.
	QS	PAN-MF	Robust, flexible and reliable connection for the automotive industry. Fulfils the requirements according to DIN 73378.
Heat resistant	NPQH	PFAN	For reliable compressed air supply in high temperature ranges. Whether with 10 bar at 80 °C or 6 bar at 150 °C – always delivers maximum process security.
Anti-static	NPQM	PUN-CM	Electrically conductive tubing combined with a solid-metal fitting
Approved for the food industry	NPQH	PUN-H	Food and Drug Administration certification for use in the food industry: The hydrolysis-resistant combination with increased functions.
	CRQS	PFAN	Designed to meet the highest demands, thanks to maximum corrosion protection: This combination shines in applications which require the highest possible hygiene standards for food.
Resistant to cleaning agents	NPQP	PLN	The cost-effective alternative to stainless steel, perfect for e.g. critical environments such as the splash zone: resistant to practically all common cleaning agents, with maximum corrosion protection.
Resistant to media	NPQP	PFAN	Completely resistant to all cleaning agents and lubricants and even permits the transportation of acids and lyes without any problems.
Flame-retardant	NPQM	PUN-V0	Safe in areas where there is a risk of fire thanks to flame-retardant properties to UL94.
Resistant to welding spatter	NPQH	PUN-V0-C	The economical combination for applications not in close proximity to welding applications. Reliable thanks to a tubing wall thickness of 2 mm for all diameters.
	QS-V0	PAN-V0	Also reliable for applications in direct proximity to welding splatter. Double-sheathed tube and special fitting.

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Key features

Push-in fittings product range

QSM, Quick Star, Mini

Technical data → 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.Ø of 2, 3, 4 and 6 mm with connecting threads M3, M5, M6, M7, R $\frac{1}{8}$ and G $\frac{1}{8}$.

QS, Quick Star, standard

Technical data → 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.Ø of 4, 6, 8, 10, 12 and 16 mm with connecting threads R $\frac{1}{8}$... R $\frac{1}{2}$ and G $\frac{1}{8}$... G $\frac{1}{2}$.

QSM-B, Quick Star, Mini

Technical data → Internet: qsm-b



Miniature push-in fittings for maximum component density in confined spaces. For core pneumatic applications with a temperature range up to 60 °C and a pressure range up to 10 bar.
Tubing O.D.Ø of 3, 4 and 6 mm with connecting threads M3, M5, M7 and R $\frac{1}{8}$.

QS-B, Quick Star, standard

Technical data → Internet: qs-b



Push-in fittings for core pneumatic applications with a temperature range up to 60 °C and a pressure range up to 10 bar.
Tubing O.D.Ø of 4, 6, 8, 10, 12 and 16 mm with connecting threads M5 and R $\frac{1}{8}$... R $\frac{1}{2}$.

CRQS, Quick Star, stainless steel

Technical data → Internet: crqs



Stainless steel push-in fitting. High corrosion resistance (CRC4) 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.Ø of 4, 6, 8, 10, 12 and 16 mm with connecting threads M5 and R $\frac{1}{8}$... R $\frac{1}{2}$.

QS-V0, Quick Star, flame-retardant

Technical data → 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.Ø of 4, 6, 8, 10 and 12 mm with connecting threads R $\frac{1}{8}$... R $\frac{1}{2}$ and G $\frac{1}{8}$... G $\frac{1}{2}$.

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Key features

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Push-in fittings product range

NPQH

Technical data → Internet: npqh



All metal push-in fitting made of chemically nickel-plated brass. High corrosion resistance (CRC3) and chemical resistance with approval for use in the food and packaging industry. For pneumatic applications with a temperature range up to 150 °C and a pressure range up to 16 bar.
Tubing O.D.Ø of 4, 6, 8, 10, 12 and 14 mm with connecting threads M5, M7 and G1/8 ... G1/2.

NPQM

Technical data → 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.Ø of 3, 4, 6, 8, 10, 12 and 14 mm with connecting threads M5, M7 and G1/8 ... G1/2.

NPQP

Technical data → Internet: npqp



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

Functional push-in fittings product range

QSK, Quick Star, self-sealing push-in fitting

Technical data → 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.Ø of 4, 6, 8, 10 and 12 mm with connecting threads M5, R1/8 ... R1/2 and G1/8 ... G1/2.

QSR, Quick Star, rotary push-in fitting

Technical data → Internet: qsr



Push-in fitting with swivel connection, 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.Ø of 4, 6, 8, 10 and 12 mm with connecting threads M5, R1/8 ... R1/2 and G1/8 ... G1/2.

Push-in fittings NPQH

Technical data

General technical data	
Size	Standard
Design	Push-pull principle
Mounting position	Any
Type of seal on threaded plug	Sealing ring
Nominal tightening torque [Nm]	1 (±20%) at connecting thread M5
	7 (±20%) at connecting thread G1/8
	11 (±20%) at connecting thread G1/4
	18 (±20%) at connecting thread G3/8
Tubing insertion depth [mm]	13 at tubing O.D.Ø 4 mm
	15.8 at tubing O.D.Ø 6 mm
	16 at tubing O.D.Ø 8 mm
	18.3 at tubing O.D.Ø 10 mm
	19.5 at tubing O.D.Ø 12 mm
	22.5 at tubing O.D.Ø 14 mm

Operating and environmental conditions	
Operating pressure for entire temperature range [bar]	–0.95 ... +16
Operating medium	Compressed air to ISO 8573-1:2010 [7:–:–]
Note on operating/pilot medium	Lubricated operation possible
Ambient temperature ¹⁾ [°C]	0 ... +150
Corrosion resistance class CRC ²⁾	3
Suitable for use in the food industry	As per manufacturer's declaration

1) Observe the operating range of the plastic tubing.

2) Corrosion resistance class 3 according to Festo standard 940 070

Components subject to high corrosion stress. Externally visible parts with primarily functional surface requirements which are in direct contact with a normal industrial environment or media such as solvents and cleaning agents.









Materials	
Housing	Nickel-plated brass
Releasing ring	Nickel-plated brass
Threaded seal	FPM
Tubing seal	FPM
Note on materials	RoHS-compliant

Tube assembly/dismantling			
Assembly		Dismantling	
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 until the end stop. It is important to ensure that the tubing is inserted into the inside	2) Check that the tubing connector is securely held by pulling gently on the tube.	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.

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




Product range overview

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Design	Version	Type	Connection D1				Connection D2			→ Page/ Internet
			M thread	R thread	G thread	Tubing O.D.Ø	Push-in sleeve Ø	Tubing O.D.Ø	Push-in sleeve Ø	
Straight design	Push-in fitting – external thread with external hexagon									
		NPQH-D	M5	–	–	–	–	4, 6	–	9
			M7		–			4, 6		
			–		G1/8			4, 6, 8		
					G1/4			6, 8, 10, 12		
					G3/8			8, 10, 12, 14		
					G1/2			10, 12, 14		
			Push-in fitting – internal thread with external hexagon							
		NPQH-D	–	–	G1/8	–	–	4, 6, 8	–	10
					G1/4			4, 6, 8		
	Push-in fitting with push-in sleeve									
		NPQH-D	M5	–	–	–	–	–	4, 6	10
			–		G1/8			4, 6, 8		
					G1/4			6, 8, 10, 12		
					G3/8			10, 12		
					G1/2			12		
	Push-in fitting – external thread with internal hexagon									
		NPQH-DK	M5	–	–	–	–	4, 6	–	11
			M7		–			4, 6		
			–		G1/8			4, 6, 8		
					G1/4			8, 10		
					G3/8			12		
	Push-in connector									
	NPQH-D	–	–	–	4	–	–	–	12	
					6					
					8					
					10					
					12					
	NPQH-D reducing	–	–	–	6	–	4	–	12	
					8		6			
					12		8			
					14		10, 12			
					Push-in connector with push-in sleeve					
	NPQH-D	–	–	–	4	–	–	6	13	
					4, 6			8		
					4, 6, 8			10		
					6, 8, 10			12		
					6, 8, 10, 12			14		
Push-in sleeve										
	NPQH-D	–	–	–	–	4	–	–	13	
					6					
					8					
					10					
					12					
					14					

Push-in fittings NPQH

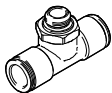

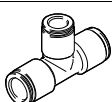
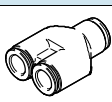
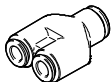
Product range overview

Design	Version	Type	Connection D1				Connection D2				→ Page/ Internet
			M thread	R thread	G thread	Tubing O.D.Ø	Push-in sleeve Ø	Tubing O.D.Ø	Push-in sleeve Ø		
Straight design	Push-in bulkhead fitting – internal thread with external hexagon										
		NPQH-H	–	–	G1/8	–	–	4, 6, 8	–	14	
					G1/4			6, 8			
	Push-in bulkhead connector										
		NPQH-H	–	–	–	4	–	–	–	14	
						6					
						8					
						10					
						12					
	Blanking plug										
	NPQH-P	–	–	–	–	4	–	–	15		
						6					
						8					
						10					
						12					
Plug screw		NPQH-BK	M5	–	–	–	–	–	–	15	
			M7		–						
			–		G1/8						
			G1/4								
			G3/8								
			G1/2								
L-shape	Push-in L-fitting, rotatable 360° – external thread with external hexagon										
		NPQH-L	M5	–	–	–	–	4, 6	–	16	
			M7		–			4, 6			
			–		G1/8			4, 6, 8			
					G1/4			6, 8, 10, 12			
					G3/8			8, 10, 12, 14			
					G1/2			10, 12, 14			
	Push-in L-fitting, long, rotatable 360° – external thread with external hexagon										
		NPQH-LL	–	–	G1/8	–	–	4, 6, 8	–	17	
					G1/4			6, 8, 10			
G3/8					12						
Push-in L-connector											
	NPQH-L	–	–	–	4	–	–	–	17		
					6						
					8						
					10						
					12						
					14						

Push-in fittings NPQH

Product range overview

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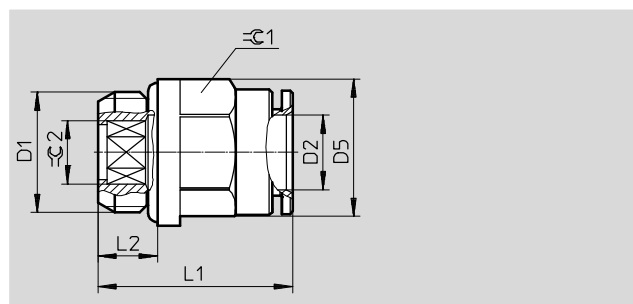
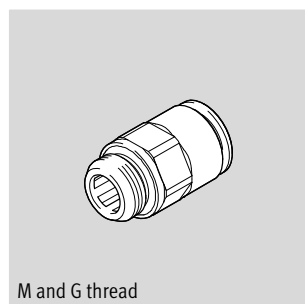
Design	Version	Type	Connection D1			Connection D2		Connection D2		→ Page/ Internet
			M thread	R thread	G thread	Tubing O.D.Ø	Push-in sleeve Ø	Tubing O.D.Ø	Push-in sleeve Ø	
T-shape	Push-in T-fitting, rotatable 360° – external thread with external hexagon									
		NPQH-T	M5	–	–	–	–	4, 6	–	18
			–		G1/8			4, 6, 8		
					G1/4			6, 8, 10, 12		
					G3/8			8, 10, 12		
					G1/2			10, 12		
	Push-in T-connector									
		NPQH-T	–	–	–	4	–	4	–	19
						6		6		
						8		8		
						10		10		
						12		12		
		NPQH-T reducing	–	–	–	6	–	4	–	19
						8		6		
						10		8		
						12		10		
Y-shape	Push-in Y-connector									
		NPQH-Y	–	–	–	6	–	6	–	20
						8		8		
						10		10		
		NPQH-Y reducing	–	–	–	6	–	4	–	20
						8		6		
						10		8		

Push-in fittings NPQH

Technical data

Push-in fitting NPQH-D

External thread
with external hexagon



Dimensions and ordering data											
Connection	Nominal size	Tubing O.D. Ø	D5 Ø	L1	L2	≈C1	≈C2	Weight/piece [g]	Part no.	Type	PU ¹⁾
D1	[mm]	D2									
M thread with sealing ring											
M5	–	4	8	21.5	4	9	2.5	–	578334	NPQH-D-M5-Q4-P10	10
	–	6	8	24	4	12	2.5	–	578335	NPQH-D-M5-Q6-P10	10
M7	–	4	9	20	5	9	3	–	578336	NPQH-D-M7-Q4-P10	10
	–	6	9	23	5	12	3	–	578337	NPQH-D-M7-Q6-P10	10
G thread with sealing ring											
G1/8	3	4	13	16.5	5	9	3	6.1	578338	NPQH-D-G18-Q4-P10	10
	4	6	13.5	19.5	5	12	4	9	578339	NPQH-D-G18-Q6-P10	10
	6	8	13	23.5	5	13	6	11.4	578340	NPQH-D-G18-Q8-P10	10
G1/4	4	6	16	19.5	6.5	12	4	12.7	578341	NPQH-D-G14-Q6-P10	10
	6	8	16	21.5	6.5	14	6	13.6	578342	NPQH-D-G14-Q8-P10	10
	8	10	16	27.5	6.5	15	8	17.4	578343	NPQH-D-G14-Q10-P10	10
	8	12	16	28.5	6.5	19	8	26.2	578344	NPQH-D-G14-Q12-P10	10
G3/8	6	8	20	21	7	14	6	20.1	578345	NPQH-D-G38-Q8-P10	10
	8	10	20	25	7	16	8	22.6	578346	NPQH-D-G38-Q10-P10	10
	10	12	20	28.5	7	19	8	28.9	578347	NPQH-D-G38-Q12-P10	10
	10	14	20	32	7	22	10	37.5	578348	NPQH-D-G38-Q14-P10	10
G1/2	8	10	25	25.5	8.5	16	8	34.5	578349	NPQH-D-G12-Q10	1
	10	12	25	26.5	8.5	19	8	36.1	578350	NPQH-D-G12-Q12	1
	12	14	25	32	8.5	22	12	42.4	578351	NPQH-D-G12-Q14	1

1) Packaging unit quantity

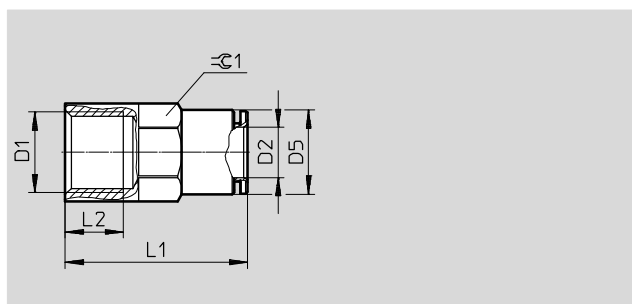
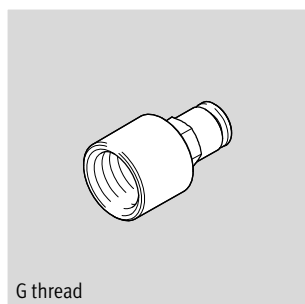
Push-in fittings NPQH

Technical data

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Push-in fitting NPQH-D

Internal thread
with external hexagon

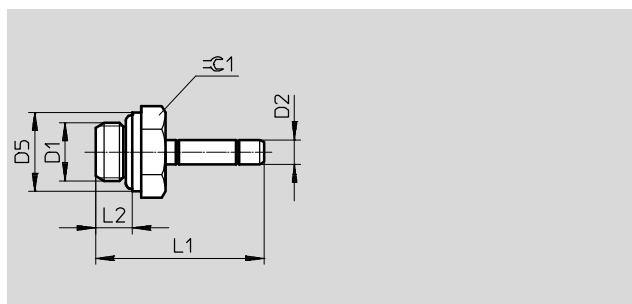
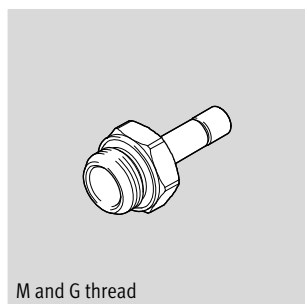


Dimensions and ordering data										
Connection	Nominal width	Tubing O.D. Ø	D5	L1	L2	C1	Weight/piece	Part no.	Type	PU ¹⁾
D1	[mm]	D2	Ø				[g]			
G thread with sealing ring										
G ¹ / ₈	3	4	9	23.5	7.5	9	10	578352	NPQH-D-G18F-Q4-P10	10
	5	6	12	26	7.5	12	15.1	578353	NPQH-D-G18F-Q6-P10	10
	7	8	14	26	7.5	14	17.5	578354	NPQH-D-G18F-Q8-P10	10
G ¹ / ₄	–	4	9	23	11	9	–	578355	NPQH-D-G14F-Q4-P10	10
	5	6	12	27.5	11	12	18.5	578356	NPQH-D-G14F-Q6-P10	10
	7	8	14	30	11	14	20.2	578357	NPQH-D-G14F-Q8-P10	10

1) Packaging unit quantity

Push-in fitting NPQH-D

with push-in sleeve



Dimensions and ordering data										
Connection	Nominal width	Push-in sleeve Ø	D5	L1	L2	C1	Weight/piece	Part no.	Type	PU ¹⁾
D1	[mm]	D2	Ø				[g]			
			±0.5	±0.5						
M thread with sealing ring										
M5	–	4	8	26	4	9	–	578358	NPQH-D-M5-S4-P10	10
	–	6	8	28	4	9	–	578359	NPQH-D-M5-S6-P10	10
G thread with sealing ring										
G ¹ / ₈	–	4	12.9	28	5	13	–	578360	NPQH-D-G18-S4-P10	10
	–	6	12.9	30	5	13	–	578361	NPQH-D-G18-S6-P10	10
	–	8	12.9	31	5	13	–	578362	NPQH-D-G18-S8-P10	10
G ¹ / ₄	–	6	16	32.5	5	16	–	578363	NPQH-D-G14-S6-P10	10
	–	8	16	33.5	5	16	–	578364	NPQH-D-G14-S8-P10	10
	–	10	16	34.5	6.5	16	–	578365	NPQH-D-G14-S10-P10	10
	–	12	16	37.5	6.5	16	–	578366	NPQH-D-G14-S12-P10	10
G ³ / ₈	–	10	20	35	6.5	20	–	578367	NPQH-D-G38-S10-P10	10
	–	12	20	38	6.5	20	–	578368	NPQH-D-G38-S12-P10	10
G ¹ / ₂	–	12	25	39.5	7	25	–	578369	NPQH-D-G12-S12	1

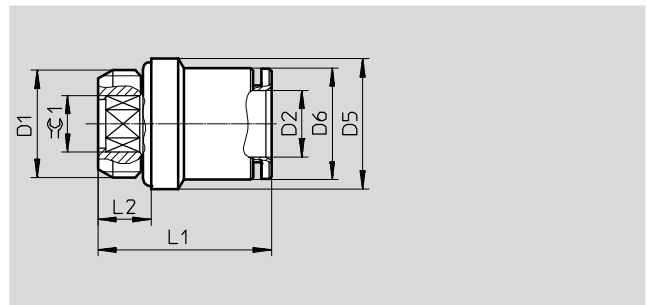
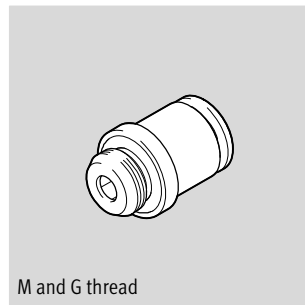
1) Packaging unit quantity

Push-in fittings NPQH

Technical data

Push-in fitting NPQH-DK

External thread
with internal hex



Dimensions and ordering data											
Connection	Nominal width [mm]	Tubing O.D. \varnothing D2	D5 \varnothing	D6 \varnothing	L1	L2	$\varnothing 1$	Weight/piece [g]	Part no.	Type	PU ¹⁾
M thread with sealing ring											
M5	2.5	4	8	9	19	4	2.5	4.6	578370	NPQH-DK-M5-Q4-P10	10
	2.5	6	8	12	22	4	2.5	8.6	578371	NPQH-DK-M5-Q6-P10	10
M7	3	4	9	9	20	5	3	6.4	578372	NPQH-DK-M7-Q4-P10	10
	3	6	9	12	23	5	3	9.4	578373	NPQH-DK-M7-Q6-P10	10
G thread with sealing ring											
G $\frac{1}{8}$	–	4	13	9	16.5	5	3	–	578374	NPQH-DK-G18-Q4-P10	10
	–	6	13	12	19.5	5	4	–	578375	NPQH-DK-G18-Q6-P10	10
	–	8	13	14	23.5	5	6	–	578376	NPQH-DK-G18-Q8-P10	10
G $\frac{1}{4}$	–	8	16	14	21.5	6.5	6	–	578377	NPQH-DK-G14-Q8-P10	10
	–	10	16	16	27.5	6.5	8	–	578378	NPQH-DK-G14-Q10-P10	10
G $\frac{3}{8}$	–	12	20	18	28.5	7	10	–	578379	NPQH-DK-G38-Q12-P10	10

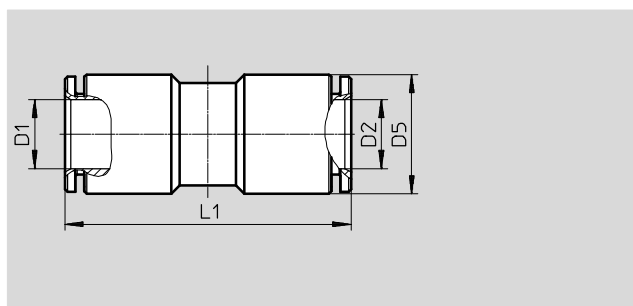
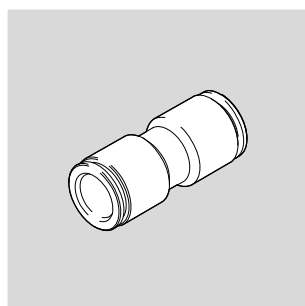
1) Packaging unit quantity

Push-in fittings NPQH

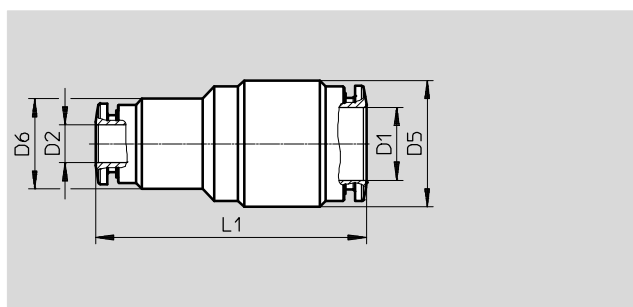
Technical data

FESTO

Push-in connector NPQH-D



Reducing



Dimensions and ordering data

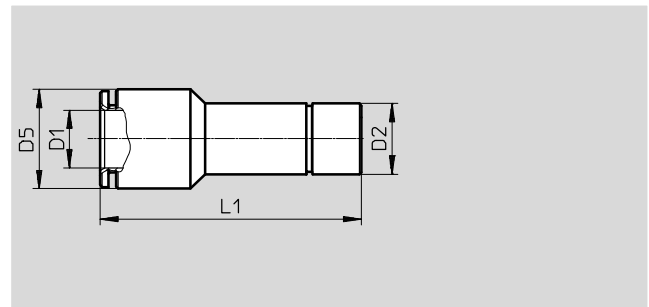
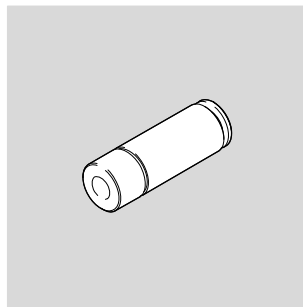
Tubing O.D.Ø D1	Nominal width [mm]	Tubing O.D.Ø D2	D5 Ø	D6 Ø	L1 ±1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
4	3	4	9	–	28	6.8	578323	NPQH-D-Q4-E-P10	10
6	5	6	12	–	33.5	15	578324	NPQH-D-Q6-E-P10	10
8	7	8	14	–	34	18	578325	NPQH-D-Q8-E-P10	10
10	9	10	16	–	38.5	22.5	578326	NPQH-D-Q10-E-P10	10
12	11	12	19	–	41	36.6	578327	NPQH-D-Q12-E-P10	10
14	13	14	22	–	47	47.4	578328	NPQH-D-Q14-E-P10	10
Reducing									
6	–	4	12	12	31	–	578329	NPQH-D-Q6-Q4-P10	10
8	–	6	14	14	34	–	578330	NPQH-D-Q8-Q6-P10	10
12	–	8	19	14	39	–	578331	NPQH-D-Q12-Q8-P10	10
14	–	10	22	16	44.5	–	578332	NPQH-D-Q14-Q10-P10	10
14	–	12	22	19	44.5	–	578333	NPQH-D-Q14-Q12-P10	10

1) Packaging unit quantity

Push-in fittings NPQH

Technical data

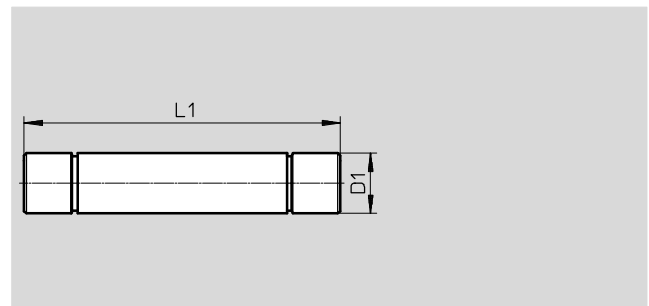
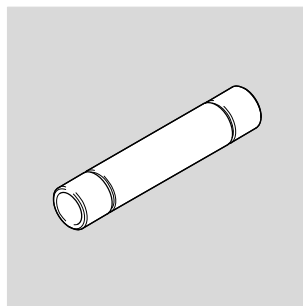
Push-in connector NPQH-D with push-in sleeve



Dimensions and ordering data								
Tubing O.D. Ø D1	Nominal width [mm]	Push-in sleeve Ø D2	D5 Ø	L1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
4	3	6	9	33.5	7	578304	NPQH-D-S6-Q4-P10	10
	3.5	8	9	33.5	10	578305	NPQH-D-S8-Q4-P10	10
	–	10	10	31.5	–	578307	NPQH-D-S10-Q4-P10	10
6	5	8	12	35	11.5	578306	NPQH-D-S8-Q6-P10	10
	5.5	10	12	36.5	15.5	578308	NPQH-D-S10-Q6-P10	10
	5.5	12	12	35.5	22.2	578310	NPQH-D-S12-Q6-P10	10
	5	14	14	37.5	25	578313	NPQH-D-S14-Q6-P10	10
8	7	10	14	37	15	578309	NPQH-D-S10-Q8-P10	10
	7	12	14	39	23	578311	NPQH-D-S12-Q8-P10	10
	7	14	14	38.5	31.5	578314	NPQH-D-S14-Q8-P10	10
10	9	12	16	42	20	578312	NPQH-D-S12-Q10-P10	10
	9	14	16	42	29.5	578315	NPQH-D-S14-Q10-P10	10
12	11	14	19	43	24	578316	NPQH-D-S14-Q12-P10	10

1) Packaging unit quantity

Push-in sleeve NPQH-D



Dimensions and ordering data						
Push-in sleeve Ø D1	Nominal width [mm]	L1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
4	2	35	2.8	578317	NPQH-D-S4-E-P10	10
6	4	40	5.5	578318	NPQH-D-S6-E-P10	10
8	6	42	7.5	578319	NPQH-D-S8-E-P10	10
10	8	50	11	578320	NPQH-D-S10-E-P10	10
12	10	53	14	578321	NPQH-D-S12-E-P10	10
14	12	54	18.5	578322	NPQH-D-S14-E-P10	10

1) Packaging unit quantity

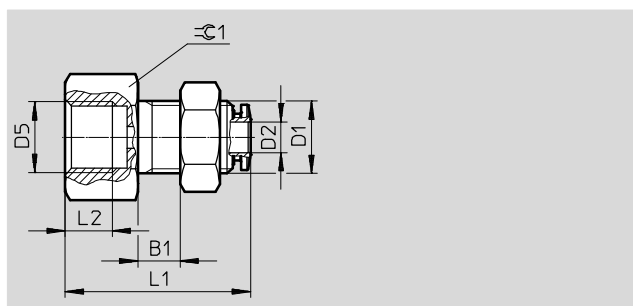
Push-in fittings NPQH

Technical data

FESTO

Push-in bulkhead fitting NPQH-H

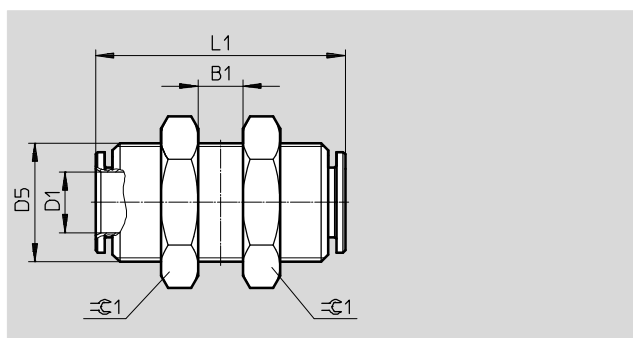
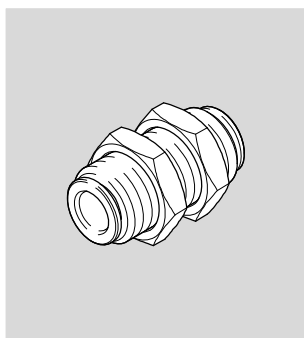
Internal thread with external hexagon



Dimensions and ordering data											
Connection	Nominal width [mm]	Tubing O.D. \varnothing	B1 max.	D5	L1 ± 0.5	L2	$\varnothing C1$	Weight/piece [g]	Part no.	Type	PU ¹⁾
D1		D2									
G thread with sealing ring											
G $\frac{1}{8}$	–	4	7	M12x1	23.5	7.5	16	–	578294	NPQH-H-G18F-Q4-P10	10
	–	6	10	M14x1	26.5	7.5	18	–	578295	NPQH-H-G18F-Q6-P10	10
	–	8	10	M16x1	26.5	7.5	20	–	578296	NPQH-H-G18F-Q8-P10	10
G $\frac{1}{4}$	–	6	10	M14x1	30.5	11	18	–	578297	NPQH-H-G14F-Q6-P10	10
	–	8	10	M16x1	30.5	11	20	–	578298	NPQH-H-G14F-Q8-P10	10

1) Packaging unit quantity

Push-in bulkhead connector NPQH-H



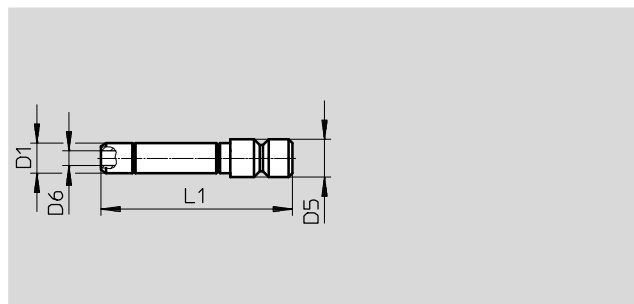
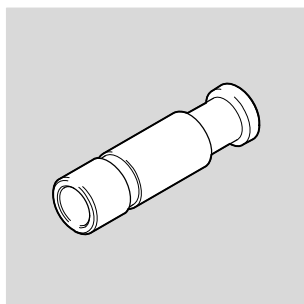
Dimensions and ordering data									
Tubing O.D.∅ D1	Nominal width [mm]	B1 max.	D5	L1	≡C1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
4	3	11	M12x1	28	16	23.5	578299	NPQH-H-Q4-E-P10	10
6	5	16	M14x1	34	18	33	578300	NPQH-H-Q6-E-P10	10
8	7	17	M16x1	34	20	39.5	578301	NPQH-H-Q8-E-P10	10
10	9	19	M18x1	39	22	51.5	578302	NPQH-H-Q10-E-P10	10
12	11	20	M20x1	41	24	60	578303	NPQH-H-Q12-E-P10	10

1) Packaging unit quantity

Push-in fittings NPQH

Technical data

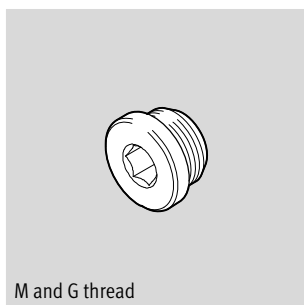
Blanking plug NPQH-P



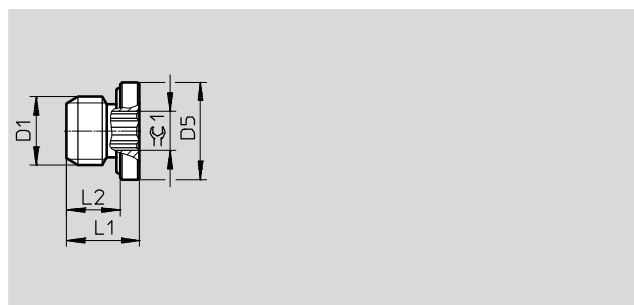
Dimensions and ordering data							
Push-in sleeve D1	D5 Ø	D6 Ø ±0.3	L1 ±0.5	Weight/piece [g]	Part no.	Type	PU ¹⁾
4	5	–	25	–	578257	NPQH-P-S4-P10	10
6	6	3.5	25	–	578258	NPQH-P-S6-P10	10
8	8	5.5	30	–	578259	NPQH-P-S8-P10	10
10	10	7.5	35	–	578260	NPQH-P-S10-P10	10
12	12	9.5	40	–	578261	NPQH-P-S12-P10	10
14	14	11	40	–	578262	NPQH-P-S14-P10	10

1) Packaging unit quantity

Plug screw NPQH-BK



M and G thread



Dimensions and ordering data								
Connection	D5 Ø	L1	L2	≈C1	Weight/piece [g]	Part no.	Type	PU ¹⁾
D1		max.						
M thread with sealing ring								
M5	8	5.5	4	2.5	–	578404	NPQH-BK-M5-P10	10
M7	9	7	5	3	–	578405	NPQH-BK-M7-P10	10
G thread with sealing ring								
G1/8	13	8.5	6	5	–	578406	NPQH-BK-G18-P10	10
G1/4	16	9.5	6.5	6	–	578407	NPQH-BK-G14-P10	10
G3/8	20	10	7	8	–	578408	NPQH-BK-G38-P10	10
G1/2	25	12	8.5	10	–	578409	NPQH-BK-G12	1

1) Packaging unit quantity

Push-in fittings NPQH

Technical data

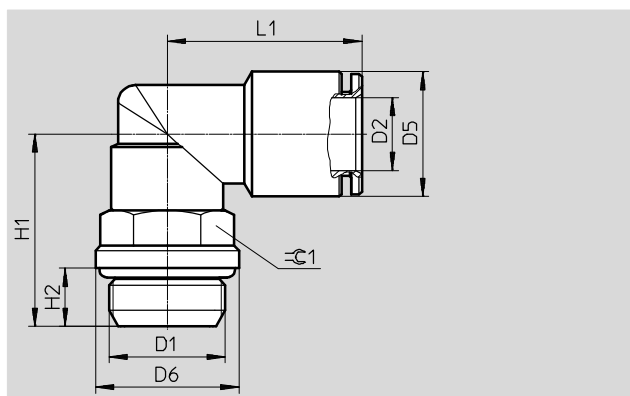
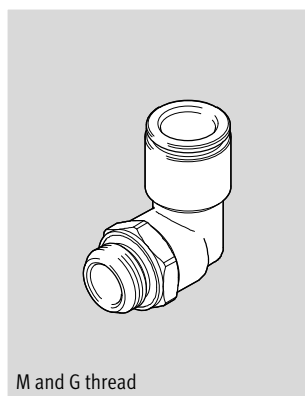
FESTO

Push-in L-fitting NPQH-L

Rotatable 360°

External thread

with external hexagon



Dimensions and ordering data												
Connection	Nominal width	Tubing O.D. Ø	D5 Ø	D6 Ø	H1	H2	L1	≈C1	Weight/piece	Part no.	Type	PU ¹⁾
D1	[mm]	D2							[g]			
M thread with sealing ring												
M5	3	4	9	8	14	4	17.5	9	8.8	578276	NPQH-L-M5-Q4-P10	10
	3.5	6	12	8	14	4	17.5	9	11.9	578277	NPQH-L-M5-Q6-P10	10
M7	–	4	9	9	15	5	17.5	9	–	578278	NPQH-L-M7-Q4-P10	10
	–	6	12	9	15	5	17.5	9	–	578279	NPQH-L-M7-Q6-P10	10
G thread with sealing ring												
G ¹ / ₈	3	4	9	13	18	5	19.5	13	15.7	578280	NPQH-L-G18-Q4-P10	10
	5	6	12	13	18	5	22	13	18.5	578281	NPQH-L-G18-Q6-P10	10
	5.5	8	14	13	18	5	22.5	13	22	578282	NPQH-L-G18-Q8-P10	10
G ¹ / ₄	5	6	12	16	21.5	6.5	22	16	21.8	578283	NPQH-L-G14-Q6-P10	10
	5.5	8	14	16	21.5	6.5	22.5	16	25.3	578284	NPQH-L-G14-Q8-P10	10
	8.5	10	16	16	22	6.5	26	16	34	578285	NPQH-L-G14-Q10-P10	10
	11	12	19	16	25.5	6.5	28.5	16	58.5	578286	NPQH-L-G14-Q12-P10	10
G ³ / ₈	6	8	14	20	25.5	7	23	20	37.7	578287	NPQH-L-G38-Q8-P10	10
	8.5	10	16	20	25.5	7	26	20	39.2	578288	NPQH-L-G38-Q10-P10	10
	11	12	19	20	26	7	28.5	20	56.1	578289	NPQH-L-G38-Q12-P10	10
	12	14	22	20	26	7	32	20	61.6	578290	NPQH-L-G38-Q14-P10	10
G ¹ / ₂	8.5	10	16	25	27.5	8.5	26	20	43.2	578291	NPQH-L-G12-Q10	1
	11	12	19	25	30.5	8.5	28.5	20	65.1	578292	NPQH-L-G12-Q12	1
	12	14	22	25	30.5	8.5	32	20	69.9	578293	NPQH-L-G12-Q14	1

1) Packaging unit quantity

Push-in fittings NPQH

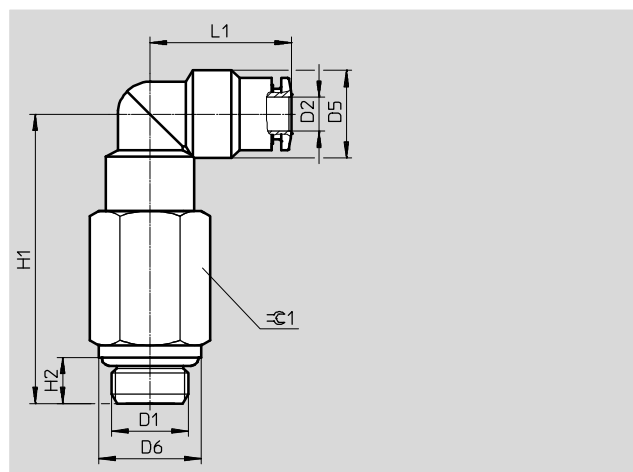
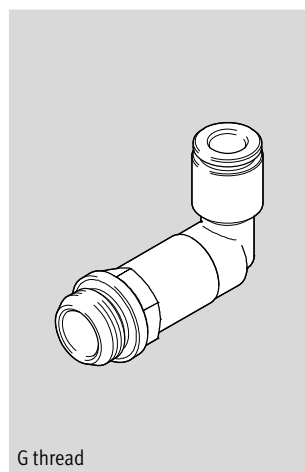
Technical data

Push-in L-fitting (long) NPQH-LL

Rotatable 360°

External thread

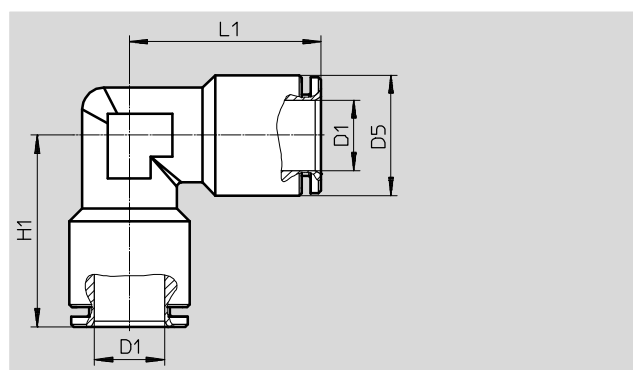
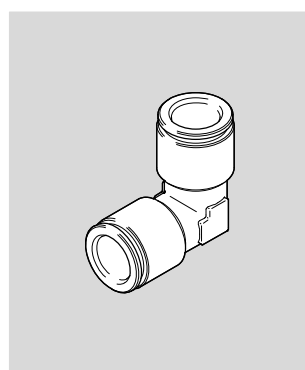
with external hexagon



Dimensions and ordering data												
Connection	Nominal width	Tubing O.D.Ø	D5 Ø	D6 Ø	H1	H2	L1	≈C1	Weight/piece [g]	Part no.	Type	PU ¹⁾
D1	[mm]	D2	±0.5	±0.5	±1		±1					
G thread with sealing ring												
G ¹ / ₈	–	4	9	13	29	5	19.5	13	–	578263	NPQH-LL-G18-Q4-P10	10
	–	6	12	13	32	5	22	13	–	578264	NPQH-LL-G18-Q6-P10	10
	–	8	14	13	34	5	22.5	13	–	578265	NPQH-LL-G18-Q8-P10	10
G ¹ / ₄	–	6	12	16	35.5	6.5	22	13	–	578266	NPQH-LL-G14-Q6-P10	10
	–	8	14	16	37.5	6.5	22.5	13	–	578267	NPQH-LL-G14-Q8-P10	10
	–	10	16	16	39	6.5	26	16	–	578268	NPQH-LL-G14-Q10-P10	10
G ³ / ₈	–	10	16	20	42.5	7	26	16	–	578269	NPQH-LL-G38-Q10-P10	10

1) Packaging unit quantity

Push-in L-connector NPQH-L



Dimensions and ordering data							
Tubing O.D.Ø	Nominal size	D5 Ø	H1	L1	Weight/piece [g]	Part no.	Type
D1	[mm]						PU ¹⁾
4	3	9	17.5	17.5	9	578270	NPQH-L-Q4-E-P10
6	5	12	20.5	20.5	16.5	578271	NPQH-L-Q6-E-P10
8	7	14	22.5	22.5	22	578272	NPQH-L-Q8-E-P10
10	9	16	25	25	29.5	578273	NPQH-L-Q10-E-P10
12	11	19	26.5	26.5	48.5	578274	NPQH-L-Q12-E-P10
14	12	22	31.5	31.5	58	578275	NPQH-L-Q14-E-P10

1) Packaging unit quantity

Push-in fittings NPQH

Technical data

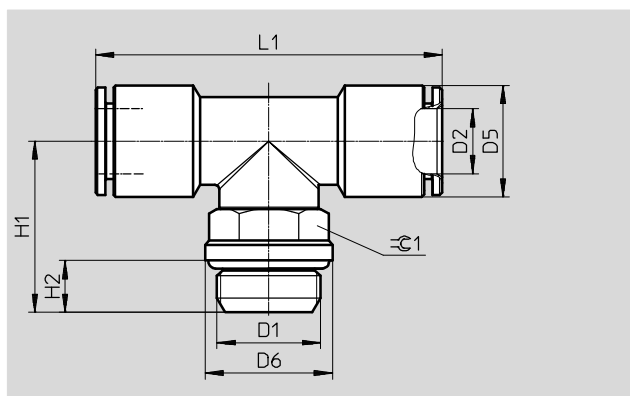
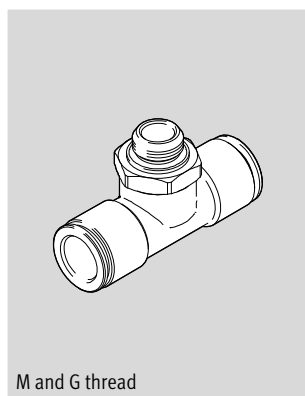
FESTO

Push-in T-fitting NPQH-T

Rotatable 360°

External thread

with external hexagon



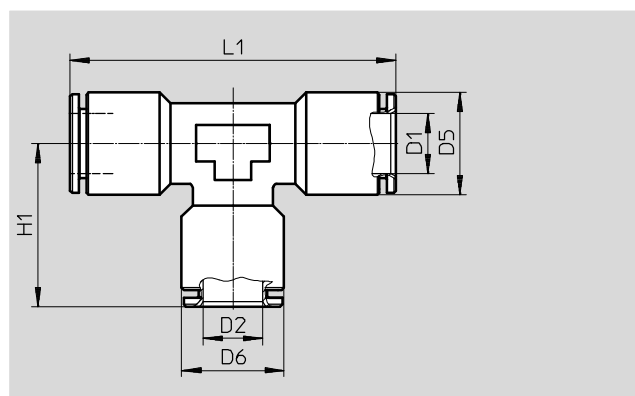
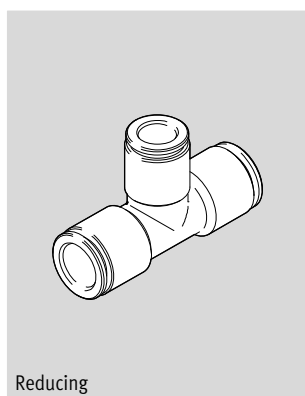
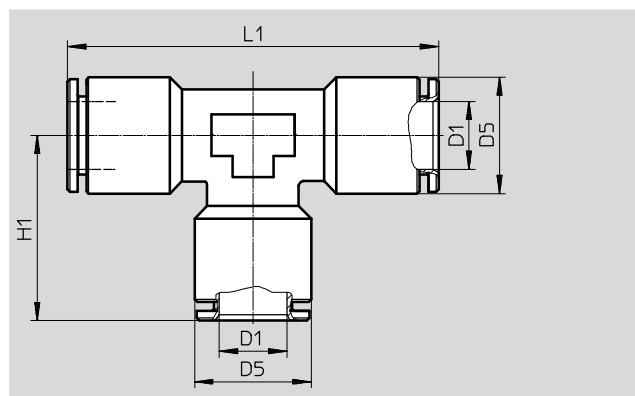
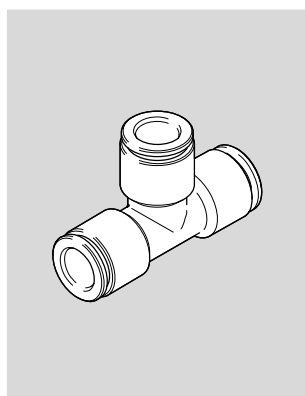
Dimensions and ordering data												
Connection	Nominal width	Tubing O.D. \varnothing	D5 \varnothing	D6 \varnothing	H1	H2	L1	$\varnothing C1$	Weight/piece [g]	Part no.	Type	PU ¹⁾
D1	[mm]	D2										
M thread with sealing ring												
M5	–	4	9	8	14.5	4	35	9	–	578390	NPQH-T-M5-Q4-P10	10
	–	6	12	8	14.5	4	41	9	–	578391	NPQH-T-M5-Q6-P10	10
G thread with sealing ring												
G $\frac{1}{8}$	3	4	9	13	18	5	39	13	20.2	578392	NPQH-T-G18-Q4-P10	10
	5	6	12	13	18	5	44	13	25.2	578393	NPQH-T-G18-Q6-P10	10
	5.5	8	14	13	18	5	45	13	30.7	578394	NPQH-T-G18-Q8-P10	10
G $\frac{1}{4}$	5	6	12	16	21.5	6.5	44	13	29.1	578395	NPQH-T-G14-Q6-P10	10
	5.5	8	14	16	21.5	6.5	45	13	33.6	578396	NPQH-T-G14-Q8-P10	10
	8.5	10	16	16	22	6.5	52	16	44.4	578397	NPQH-T-G14-Q10-P10	10
	–	12	19	16	25.5	6.5	57	20	–	578398	NPQH-T-G14-Q12-P10	10
G $\frac{3}{8}$	6	8	14	20	25.5	7	46	16	46.4	578399	NPQH-T-G38-Q8-P10	10
	8.5	10	16	20	25.5	7	52	16	49.7	578400	NPQH-T-G38-Q10-P10	10
	11	12	19	20	26	7	57	20	75.3	578401	NPQH-T-G38-Q12-P10	10
G $\frac{1}{2}$	–	10	16	25	27.5	8.5	52	16	–	578402	NPQH-T-G12-Q10	1
	11	12	19	25	30.5	8.5	57	20	82	578403	NPQH-T-G12-Q12	1

1) Packaging unit quantity

Push-in fittings NPQH

Technical data

Push-in T-connector NPQH-T



Reducing

Dimensions and ordering data										
Tubing O.D.Ø D1	Nominal width [mm]	Tubing O.D.Ø D2	D5 Ø	D6 Ø	H1	L1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
4	3	–	9	–	17.5	35	12.5	578380	NPQH-T-Q4-E-P10	10
6	5	–	12	–	20	40	22.5	578381	NPQH-T-Q6-E-P10	10
8	7	–	14	–	21	42	28.4	578382	NPQH-T-Q8-E-P10	10
10	9	–	16	–	24.5	49	39.2	578383	NPQH-T-Q10-E-P10	10
12	11	–	19	–	26	52	61.3	578384	NPQH-T-Q12-E-P10	10
14	12	–	22	–	30.5	61	77.1	578385	NPQH-T-Q14-E-P10	10
Reducing										
6	–	4	12	9	18	40	–	578386	NPQH-T-Q6-Q4-P10	10
8	–	6	14	12	20.5	42	–	578387	NPQH-T-Q8-Q6-P10	10
10	–	8	16	14	23	49	–	578388	NPQH-T-Q10-Q8-P10	10
12	–	10	19	16	26	52	–	578389	NPQH-T-Q12-Q10-P10	10

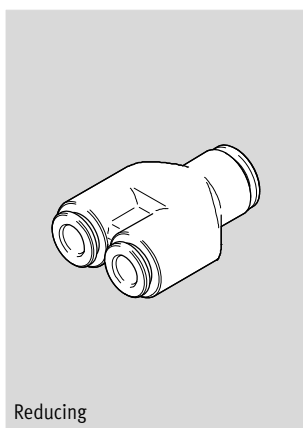
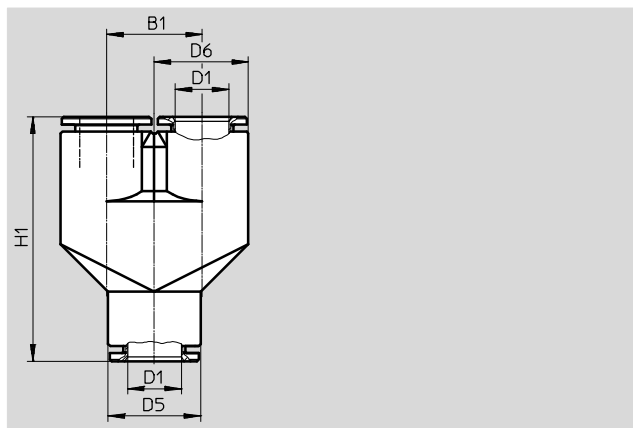
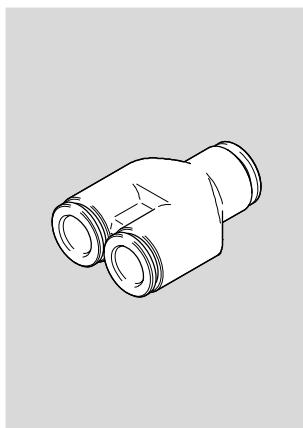
1) Packaging unit quantity

Push-in fittings NPQH

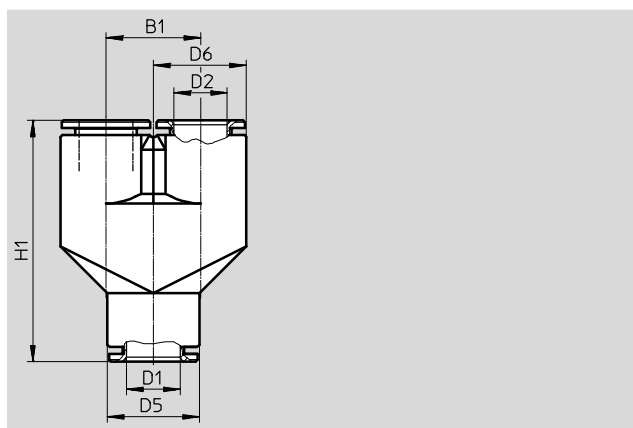
Technical data

FESTO

Push-in Y-connector NPQH-Y



Reducing



Dimensions and ordering data										
Tubing O.D.Ø D1	Nominal width [mm]	Tubing O.D.Ø D2	B1	D5 Ø	D6 Ø	H1	Weight/pie ce [g]	Part no.	Type	PU ¹⁾
6	5.5	–	12.5	12	12.3	36	32	578410	NPQH-Y-Q6-E-P10	10
8	7.5	–	14.5	14	14.3	37.5	42.5	578411	NPQH-Y-Q8-E-P10	10
10	9.5	–	16.5	16	16.3	44.5	–	578412	NPQH-Y-Q10-E-P10	10
Reducing										
6	3.5	4	12.5	12	12.3	34	–	578413	NPQH-Y-Q6-Q4-P10	10
8	5.5	6	14.5	14	14.3	37.5	–	578414	NPQH-Y-Q8-Q6-P10	10
10	7.5	8	16.5	16	16.3	44	–	578415	NPQH-Y-Q10-Q8-P10	10

1) Packaging unit quantity

Product Range and Company Overview

A Complete Suite and Company Overview

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components
Complete custom engineered solutions



Custom Control Cabinets
Comprehensive engineering support
and on-site services



Complete Systems
Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical
Electromechanical actuators, motors,
controllers & drivers



Pneumatics
Pneumatic linear and rotary actuators,
valves, and air supply



PLCs and I/O Devices
PLC's, operator interfaces, sensors
and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 16,000 employees in 60 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.

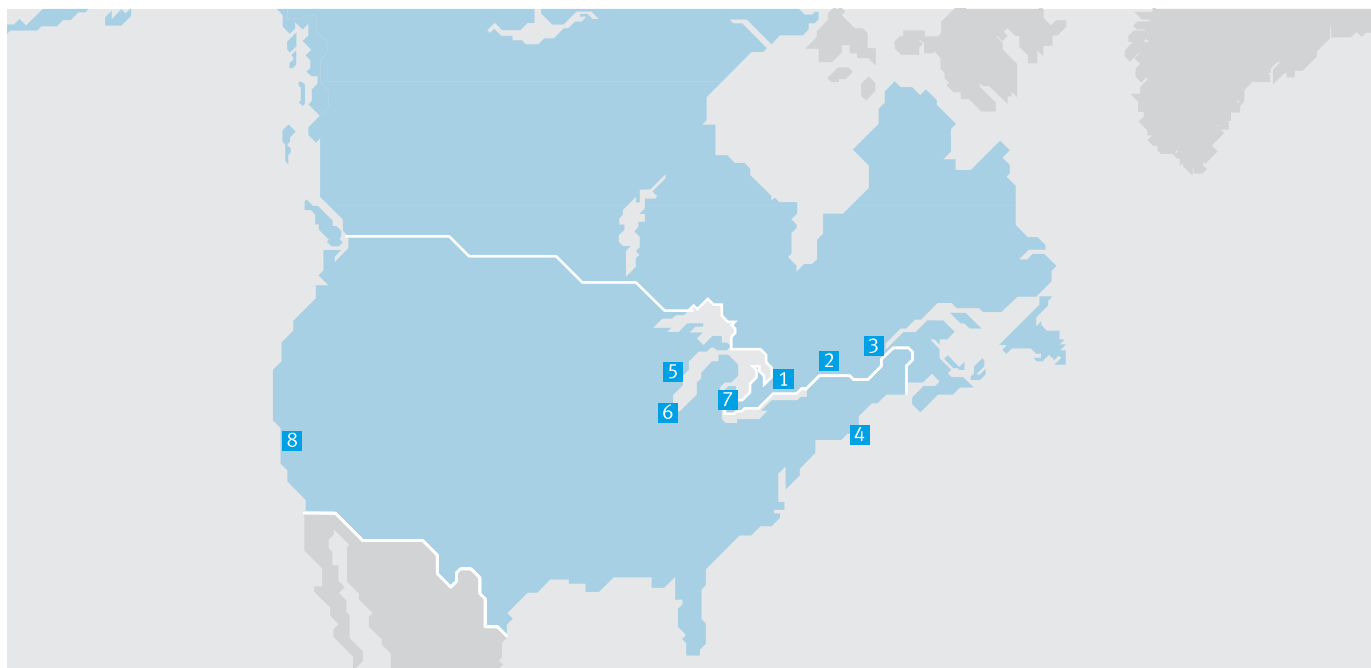


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