

Push-in fittings NPQP

FESTO



Push-in fittings NPQP

Technical data

FESTO

General technical data	
Size	Standard
Design	Push-pull principle

Materials	
Housing	PP
Tube retaining claw	High-alloy stainless steel
Note on materials	RoHS-compliant
	Contains PWIS (paint-wetting impairment substances)

Operating and environmental conditions		
Operating pressure	[bar]	–0.95 ... +10
Operating medium		Filtered compressed air, lubricated or unlubricated
		Vacuum
Ambient temperature	[°C]	–20 ... +60
		Extended temperature range on request
Corrosion resistance class	CRC ¹⁾	3

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

Components subject to high corrosion stress. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface.

 **Note**

Leaks can occur with large temperature fluctuations due to the high expansion coefficient of polypropylene in combination with the R thread.

To avoid this it is recommended to seal the thread with Loctite® 55 pipe sealing cord.

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Product range overview

Design	Version	Type	Connection D1		Push-in sleeve Ø	Connection D2		Push-in sleeve Ø	→ Page/ Internet
			R thread	Tubing O.D.		Tubing O.D.			
Inline	Push-in fitting – Male thread with external hex								
		NPQP-D	R1/8	–	–	4, 6, 8	–	5	
			R1/4			4, 6, 8, 10			
			R3/8			10, 12			
			R1/2			12			
	Push-in connector								
		NPQP-D	–	4	–	4	–	6	
			6	6					
			8	8					
			10	10					
			12	12					
		NPQP-D reducing	–	6	–	4	–	6	
			8	6					
			10	8					
			12	10					
	Push-in bulkhead connector								
	NPQP-H	–	4	–	–	–	7		
		6	–						
		8	–						
		10	–						
		12	–						
Push-in connector with push-in sleeve									
	NPQP-D-...-S	–	–	6	4	–	7		
		8	4, 6						
		10	6, 8						
		12	8, 10						
Blanking plug									
	NPQP-P	–	–	4	–	–	8		
		6	–						
		8	–						
		10	–						
		12	–						
L-shape	Push-in L-fitting – Male thread with external hex								
		NPQP-L	R1/8	–	–	4, 6, 8	–	9	
			R1/4			4, 6, 8, 10			
			R3/8			10, 12			
			R1/2			12			
	Push-in L-fitting – Male thread with external hex								
		NPQP-LQ	R1/8	–	–	4, 6, 8	–	9	
			R1/4			4, 6, 8, 10			
			R3/8			10, 12			
			R1/2			12			
	Push-in L-connector								
		NPQP-L	–	4	–	4	–	10	
			6	6					
			8	8					
			10	10					
			12	12					

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Product range overview

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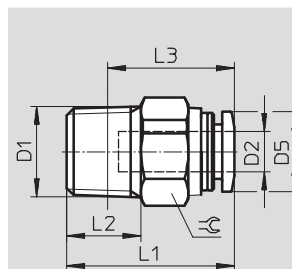
Design	Version	Type	Connection D1			Connection D2		→ Page/ Internet
			R thread	Tubing O.D.	Push-in sleeve Ø	Tubing O.D.	Push-in sleeve Ø	
T-shape	Push-in T-fitting – Male thread with external hex							
		NPQP-T	R1/8	–	–	4, 6, 8	–	11
			R1/4			4, 6, 8, 10		
			R3/8			10, 12		
			R1/2			12		
	Push-in T-connector							
		NPQP-T	–	4	–	4	–	12
			6	6				
			8	8				
			10	10				
			12	12				
		NPQP-T reducing	–	6	–	4	–	12
			8	6				
			10	8				
			12	10				
Y-shape	Push-in Y-fitting – Male thread with external hex							
		NPQP-Y	R1/8	–	–	4, 6, 8	–	13
			R1/4			4, 6, 8, 10		
			R3/8			10, 12		
			R1/2			12		
	Push-in Y-connector							
		NPQP-Y	–	4	–	4	–	14
			6	6				
			8	8				
			10	10				
			12	12				
		NPQP-Y reducing	–	6	–	4	–	14
			8	6				
			10	8				
			12	10				

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Push-in fitting NPQP-D

Male thread
with external hex



Dimensions and ordering data											
Connection	Nominal size	Tubing O.D.	D5	L1	L2	L3		Weight/piece	Part No.	Type	PU*
D1	[mm]	D2						[g]			
R $\frac{1}{8}$	2.1	4	9.9	21.1	8	17.1	9	2.5	132417	NPQP-D-R18-Q4	1
	3.4	6	11.8	22.8	8	18.8	14	3.0	132418	NPQP-D-R18-Q6	1
	5.3	8	13.8	27.9	8	23.9	17	4.5	132419	NPQP-D-R18-Q8	1
R $\frac{1}{4}$	2.1	4	9.9	22.3	11	16.3	14	3.5	132420	NPQP-D-R14-Q4	1
	3.4	6	11.8	24.8	11	18.8	14	3.5	132421	NPQP-D-R14-Q6	1
	5.3	8	13.8	26.6	11	20.6	17	4.5	132422	NPQP-D-R14-Q8	1
	6.2	10	16.8	32.6	11	26.6	19	7.0	132423	NPQP-D-R14-Q10	1
R $\frac{3}{8}$	6.2	10	16.8	33.6	12	27.3	19	8.0	132424	NPQP-D-R38-Q10	1
	7.2	12	19.8	37.6	12	31.3	22	12.0	132425	NPQP-D-R38-Q12	1
R $\frac{1}{2}$	7.2	12	19.8	34.1	15	25.9	22	12.0	132426	NPQP-D-R12-Q12	1

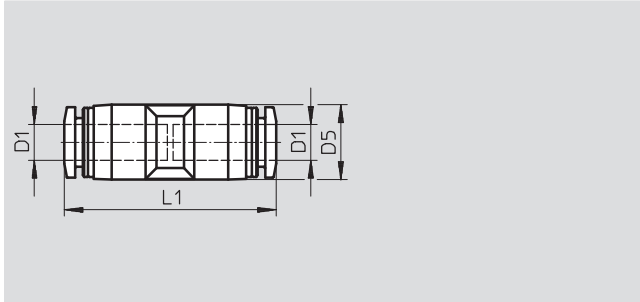
* Packaging unit

Push-in fittings NPQP

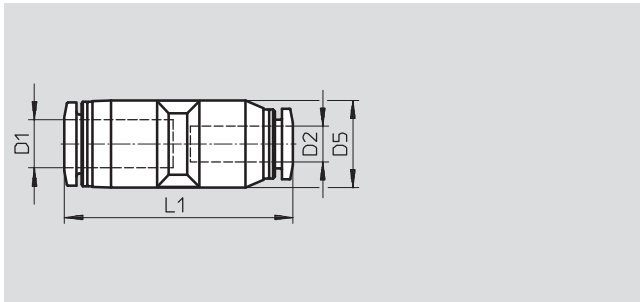
Technical data

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Push-in connector NPQD-D



Reducing



Dimensions and ordering data								
Tubing O.D. D1	Nominal size [mm]	Tubing O.D. D2	D5 Ø	L1	Weight/piece [g]	Part No.	Type	PU*
4	2.6	4	10.0	31.0	4.0	132537	NPQP-D-Q4-E	1
6	4.0	6	12.5	35.2	5.5	132538	NPQP-D-Q6-E	1
8	5.0	8	14.5	37.8	8.0	132539	NPQP-D-Q8-E	1
10	6.7	10	17.5	43.8	13.0	132540	NPQP-D-Q10-E	1
12	8.7	12	21.0	48.2	19.0	132541	NPQP-D-Q12-E	1
Reducing								
6	2.6	4	12.5	34.6	5.5	132543	NPQP-D-Q6-Q4	1
8	4.0	6	14.5	38.0	7.0	132544	NPQP-D-Q8-Q6	1
10	5.0	8	17.5	43.3	12.0	132545	NPQP-D-Q10-Q8	1
12	6.7	10	21.0	48.0	18.0	132546	NPQP-D-Q12-Q10	1

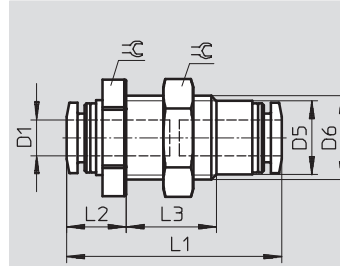
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Push-in bulkhead connector NPQP-H

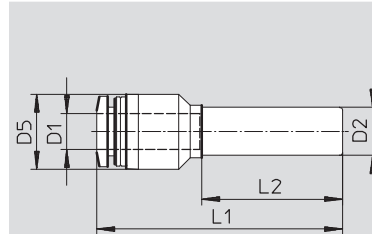


Dimensions and ordering data											
Tubing O.D.	Nominal size	D5 Ø	D6	L1	L2	L3	≈	Weight/piece	Part No.	Type	PU*
D1	[mm]							[g]			
4	2.3	10.0	M12x1.5	31.6	9.3	12.0	14	7.2	132548	NPQP-H-Q4-E	1
6	3.7	12.3	M14x1.5	35.8	9.9	15.0	17	10.2	132549	NPQP-H-Q6-E	1
8	4.9	14.2	M16x1.5	38.4	10.7	15.5	19	14.3	132550	NPQP-H-Q8-E	1
10	7.1	17.5	M20x2	43.4	13.2	18.5	24	24.4	132551	NPQP-H-Q10-E	1
12	7.8	21.0	M24x2	48.8	13.4	20.5	27	30.4	132552	NPQP-H-Q12-E	1

* Packaging unit

Push-in connector NPQP-D

with push-in sleeve



Dimensions and ordering data									
Tubing O.D.	Nominal size	Push-in sleeve Ø	D5 Ø	L1	L2	Weight/piece	Part No.	Type	PU*
D1	[mm]	D2				[g]			
4	2.5	6	10.0	37.8	22.3	2.4	132588	NPQP-D-Q4-S6	1
	2.4	8	12.5	40.3	23.3	3.0	132589	NPQP-D-Q4-S8	1
6	3.8	8	12.5	40.9	23.3	3.2	132590	NPQP-D-Q6-S8	1
	3.8	10	12.5	43.9	28.3	3.6	132591	NPQP-D-Q6-S10	1
8	5.4	10	14.5	43.7	24.8	4.7	132592	NPQP-D-Q8-S10	1
	5.4	12	14.5	49.7	33.5	5.4	132593	NPQP-D-Q8-S12	1
10	6.3	12	17.5	50.2	28.8	7.9	132594	NPQP-D-Q10-S12	1

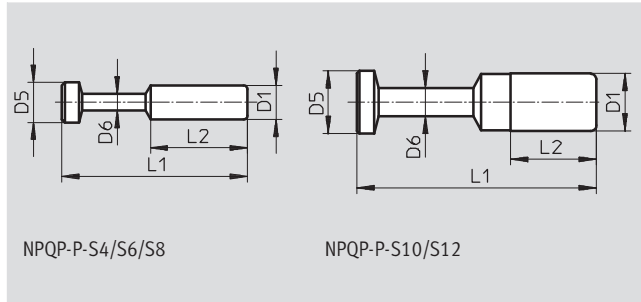
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Blanking plug NPQP-P



Dimensions and ordering data								
Push-in sleeve Ø D1	D5 Ø	D6 Ø	L1	L2	Weight/piece [g]	Part No.	Type	PU*
4	5	3	27.5	15.0	0.5	132582	NPQP-P-S4	1
6	7	3	32.5	17.0	0.5	132583	NPQP-P-S6	1
8	9	4	36.5	18.1	1.0	132584	NPQP-P-S8	1
10	11	5	42.0	20.2	2.0	132585	NPQP-P-S10	1
12	13	6	44.0	23.4	2.5	132586	NPQP-P-S12	1

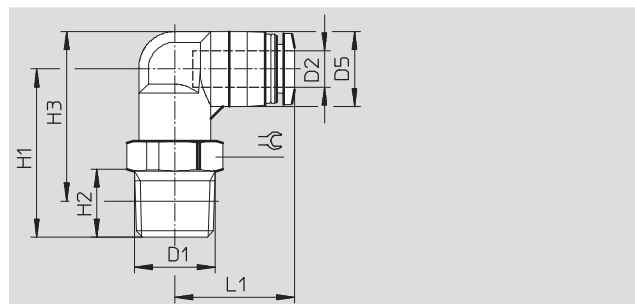
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Push-in fittings NPQP

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Push-in L-fitting NPQP-L

Male thread
with external hex

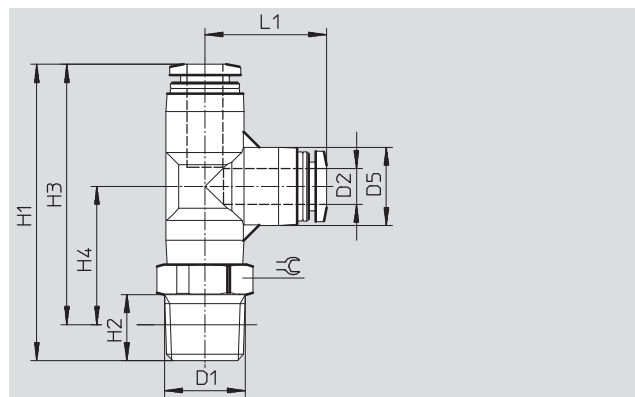


Dimensions and ordering data												
Connection	Nominal size	Tubing O.D.	D5	H1	H2	H3	L1		Weight/piece	Part No.	Type	PU*
D1	[mm]	D2							[g]			
R $\frac{1}{8}$	2.1	4	10.0	23.3	8	24.3	18.1	10	4.0	132428	NPQP-L-R18-Q4	1
	3.3	6	12.5	25.0	8	27.3	19.9	12	5.0	132429	NPQP-L-R18-Q6	1
	4.7	8	14.5	28.0	8	31.3	22.7	14	7.0	132430	NPQP-L-R18-Q8	1
R $\frac{1}{4}$	2.1	4	10.0	26.3	11	25.3	18.1	14	4.5	132431	NPQP-L-R14-Q4	1
	3.3	6	12.5	28.0	11	28.2	19.9	14	5.5	132432	NPQP-L-R14-Q6	1
	4.7	8	14.5	31.0	11	32.2	22.7	14	7.5	132433	NPQP-L-R14-Q8	1
	5.7	10	17.5	36.0	11	38.7	26.4	17	12.0	132434	NPQP-L-R14-Q10	1
R $\frac{3}{8}$	5.7	10	17.5	37.0	12	39.4	26.4	17	13.0	132435	NPQP-L-R38-Q10	1
	6.9	12	21.0	39.0	12	43.2	29.6	22	18.0	132436	NPQP-L-R38-Q12	1
R $\frac{1}{2}$	6.9	12	21.0	42.0	15	44.3	29.6	22	19.0	132437	NPQP-L-R12-Q12	1

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Push-in L-fitting NPQP-LQ

Male thread
with external hex



Dimensions and ordering data													
Connection	Nominal size	Tubing O.D.	D5	H1	H2	H3	H4	L1		Weight/ piece [g]	Part No.	Type	PU*
D1	[mm]	D2											
R1/8	2.0	4	10.0	40.2	8	36.2	19.2	17.0	10	6.0	132439	NPQP-LQ-R18-Q4	1
	3.3	6	13.0	46.3	8	42.3	22.0	20.2	12	8.0	132440	NPQP-LQ-R18-Q6	1
	4.8	8	15.0	50.4	8	46.4	24.2	22.2	14	11.0	132441	NPQP-LQ-R18-Q8	1
R1/4	2.0	4	10.0	43.2	11	37.2	20.2	17.0	14	6.5	132442	NPQP-LQ-R14-Q4	1
	3.3	6	13.0	49.3	11	43.3	23.0	20.2	14	8.5	132443	NPQP-LQ-R14-Q6	1
	4.8	8	15.0	53.4	11	47.4	25.2	22.2	14	12.0	132444	NPQP-LQ-R14-Q8	1
	5.8	10	17.5	61.4	11	55.4	30.0	25.4	17	18.0	132445	NPQP-LQ-R14-Q10	1
R3/8	5.8	10	17.5	62.4	12	56.1	30.7	25.4	17	19.0	132446	NPQP-LQ-R38-Q10	1
	6.9	12	21.0	67.8	12	61.5	32.9	28.4	22	26.0	132447	NPQP-LQ-R38-Q12	1
R1/2	6.9	12	21.0	70.8	15	62.6	34.0	28.4	22	28.0	132448	NPQP-LQ-R12-Q12	1

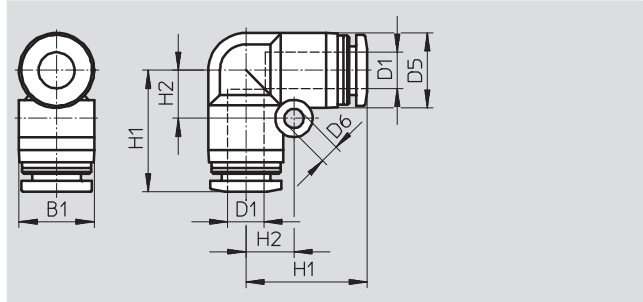
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Push-in fittings NPQP

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Push-in L-connector NPQP-L



Dimensions and ordering data											
Tubing O.D.	Nominal size	Tubing O.D.	D5 Ø	D6	B1	H1	H2	Weight/piece	Part No.	Type	PU*
D1	[mm]	D1						[g]			
4	2.3	4	10.0	3.2	10.0	17.0	6.5	4.5	132554	NPQP-L-Q4-E	1
6	3.6	6	12.5	3.2	12.5	20.2	8.0	6.0	132555	NPQP-L-Q6-E	1
8	4.6	8	15.0	4.2	15.6	22.4	10.0	9.0	132556	NPQP-L-Q8-E	1
10	6.2	10	17.5	4.2	18.2	26.4	12.0	14.0	132557	NPQP-L-Q10-E	1
12	7.7	12	21.0	4.2	21.7	29.6	14.0	20.0	132558	NPQP-L-Q12-E	1

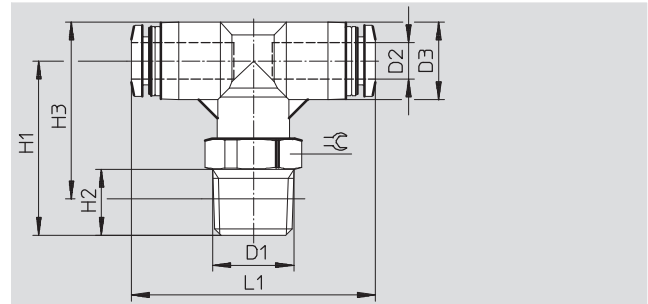
* Packaging unit

Push-in fittings NPQP

Technical data

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Push-in T-fitting NPQP-T



Dimensions and ordering data												
Connection	Nominal size	Tubing O.D.	D5	H1	H2	H3	L1		Weight/ piece [g]	Part No.	Type	PU*
D1	[mm]	D2										
R $\frac{1}{8}$	2.0	4	10.0	23.2	8	24.2	34.0	10	6.0	132450	NPQP-T-R18-Q4	1
	3.2	6	13.0	26.0	8	28.5	40.6	12	8.0	132451	NPQP-T-R18-Q6	1
	4.7	8	15.0	26.3	8	29.8	44.8	14	11.0	132452	NPQP-T-R18-Q8	1
R $\frac{1}{4}$	2.0	4	10.0	26.2	11	25..2	34.0	14	6.5	132453	NPQP-T-R14-Q4	1
	3.2	6	13.0	29.0	11	29.5	40.6	14	8.5	132454	NPQP-T-R14-Q6	1
	4.7	8	15.0	29.3	11	30.8	44.8	14	12.0	132455	NPQP-T-R14-Q8	1
	5.8	10	17.5	36.0	11	38.7	50.8	17	18.0	132456	NPQP-T-R14-Q10	1
R $\frac{3}{8}$	5.8	10	17.5	37.0	12	39.4	50.8	17	19.0	132457	NPQP-T-R38-Q10	1
	6.9	12	21.0	39.0	12	43.2	57.2	22	26.0	132458	NPQP-T-R38-Q12	1
R $\frac{1}{2}$	6.9	12	21.0	42.0	15	44.3	57.2	22	28.0	132459	NPQP-T-R12-Q12	1

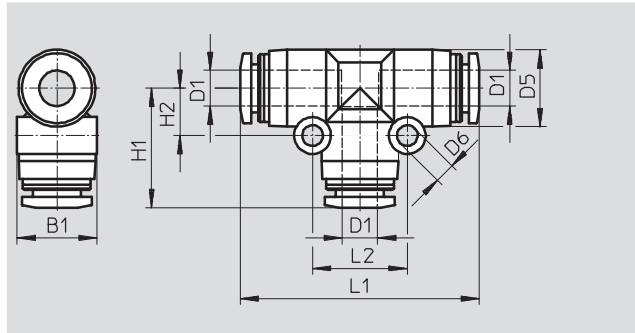
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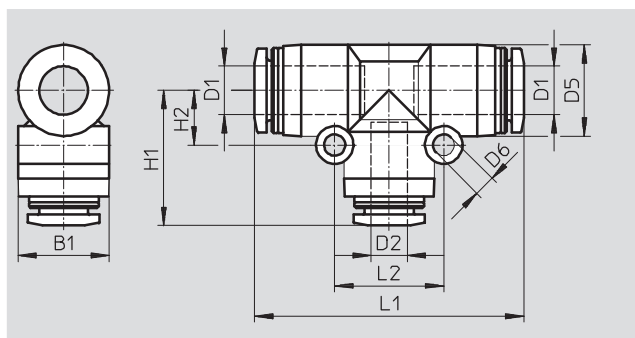
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Push-in T-connector NPQP-T



Reducing



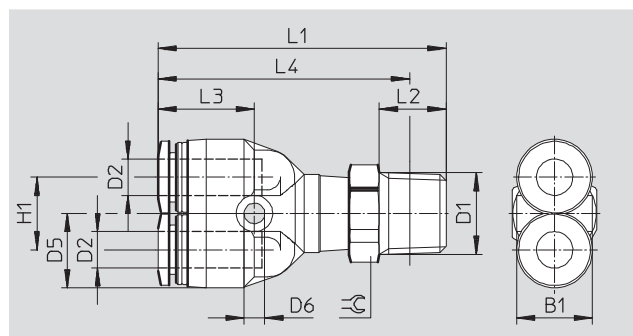
Dimensions and ordering data													
Connection	Nominal size	Tubing O.D.	D5 Ø	D6	B1	H1	H2	L1	L2	Weight/ piece [g]	Part No.	Type	PU*
D1	[mm]	D2											
4	2.6	4	10.0	3.2	10.0	17.0	6.5	34.0	13.0	6.5	132560	NPQP-T-Q4-E	1
6	4.0	6	13.0	3.2	13.5	20.2	8.0	40.4	16.0	9.0	132561	NPQP-T-Q6-E	1
8	5.0	8	15.0	3.2	15.0	22.2	9.0	44.4	18.0	13.0	132562	NPQP-T-Q8-E	1
10	6.7	10	17.5	4.2	17.5	25.4	12.0	50.8	24.0	21.0	132563	NPQP-T-Q10-E	1
12	8.7	12	21.0	4.2	21.7	28.4	14.0	57.2	28.0	30.0	132564	NPQP-T-Q12-E	1
Reducing													
6	2.3	4	13.0	3.2	13.5	19.6	8.0	40.4	16.0	9.0	132566	NPQP-T-Q6-Q4	1
8	3.6	6	15.0	3.2	15.0	22.4	9.0	44.4	18.0	12.0	132567	NPQP-T-Q8-Q6	1
10	5.0	8	17.5	4.2	17.5	24.9	12.0	50.8	24.0	19.5	132568	NPQP-T-Q10-Q8	1
12	6.4	10	21.0	4.2	21.7	28.2	14.0	57.2	28.0	28.0	132569	NPQP-T-Q12-Q10	1

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Push-in Y-fitting NPQP-Y



Dimensions and ordering data															
Connection	Nominal size [mm]	Tubing O.D.	D5	D6	B1	H1	L1	L2	L3	L4	⌀	Weight/ piece [g]	Part No.	Type	PU*
D1	D2														
R thread															
R $\frac{1}{8}$	2.0	4	10.0	3.4	10.0	11	40.7	8	14.2	36.7	10	6.5	132461	NPQP-Y-R18-Q4	1
	2.8	6	12.5	3.4	13.5	12	44.5	8	15.9	40.5	12	8.0	132462	NPQP-Y-R18-Q6	1
	4.5	8	14.5	3.4	14.5	14	48.7	8	17.2	44.7	14	12.0	132463	NPQP-Y-R18-Q8	1
R $\frac{1}{4}$	2.0	4	10.0	3.4	10.0	11	43.7	11	14.2	37.7	14	7.0	132464	NPQP-Y-R14-Q4	1
	2.8	6	12.5	3.4	13.5	12	47.5	11	15.9	41.5	14	8.5	132465	NPQP-Y-R14-Q6	1
	4.5	8	14.5	3.4	14.5	14	51.7	11	17.2	45.7	14	12.0	132466	NPQP-Y-R14-Q8	1
	5.3	10	18.0	4.5	18.0	18	58.5	11	19.7	52.5	17	20.0	132467	NPQP-Y-R14-Q10	1
R $\frac{3}{8}$	5.3	10	18.0	4.5	18.0	18	59.5	12	19.7	53.2	17	21.0	132468	NPQP-Y-R38-Q10	1
	6.2	12	21.0	4.2	21.0	20	64.7	12	22.4	58.4	22	28.0	132469	NPQP-Y-R38-Q12	1
R $\frac{1}{2}$	6.2	12	21.0	4.2	21.0	20	67.7	15	22.4	59.5	22	30.0	132470	NPQP-Y-R12-Q12	1

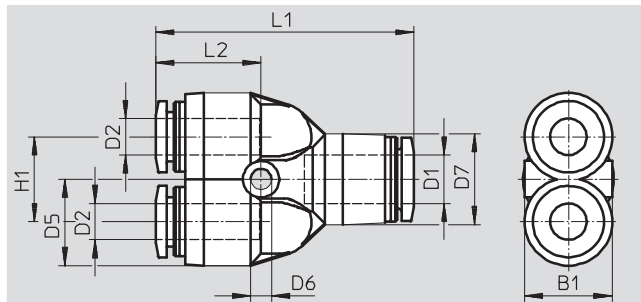
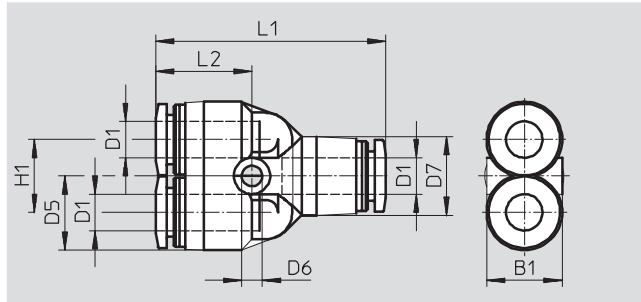
* Packaging unit

Push-in fittings NPQP

Technical data

FESTO

Push-in Y-connector NPQP-Y



Dimensions and ordering data													
Connection	Nominal size	Tubing O.D.	D5	D6	D7	B1	H1	L1	L2	Weight/ piece	Part No.	Type	PU*
D1	[mm]	D2	Ø							[g]			
4	2.3	4	10.0	3.4	10.0	10.0	11.0	33.0	14.2	6.5	132571	NPQP-Y-Q4-E	1
6	3.6	6	12.5	3.4	13.0	13.5	12.0	38.0	15.9	9.0	132572	NPQP-Y-Q6-E	1
8	4.6	8	14.5	3.4	15.0	14.5	14.0	42.4	17.2	13.0	132573	NPQP-Y-Q8-E	1
10	5.9	10	18.0	4.5	18.0	18.0	18.0	48.8	19.7	22.0	132574	NPQP-Y-Q10-E	1
12	7.0	12	21.0	4.2	21.5	21.0	20.0	55.2	22.4	31.0	132575	NPQP-Y-Q12-E	1
Reducing													
6	2.3	4	12.5	3.4	13.0	13.5	12.0	37.4	15.3	8.5	132577	NPQP-Y-Q6-Q4	1
8	3.6	6	14.5	3.4	15.0	14.5	14.0	42.6	17.4	11.5	132578	NPQP-Y-Q8-Q6	1
10	4.7	8	18.0	4.5	18.0	18.0	18.0	48.3	19.2	18.5	132579	NPQP-Y-Q10-Q8	1
12	5.9	10	21.0	4.2	21.5	21.0	20.0	55.0	22.2	28.5	132580	NPQP-Y-Q12-Q10	1

* Packaging unit