

Click fitting NPKA

FESTO



Characteristics

At a glance

- Lightweight, corrosion-free polymer click fitting.
- Simple tube installation thanks to the “one-click principle”
 - Free from copper, fluorine and silicone
 - Suitable for use in the food industry
 - Hydrolysis-resistant and suitable for water applications.
 - Operating medium: compressed air, vacuum, water
 - Cleanroom-compatible with suitable plastic tubing: PAN, PAN-R, PAN-MF, PAN-VO, PFAN, PEN, PLN, PUN, PUN-DUO, PUN-CM, PUN-H, PUN-H-DUO, PUN-H-F, PUN-H-SF, PUN-VO

Additional documents

Link [npka](#)



The additional document PUSH-IN-FITTINGS-ADD contains further information on tubing/fitting combinations and thread types, as well as installation instructions.

Design

[D] Straight	[L] L-shape
[T] T-shape	

Type code

001	Series	
NPKA	Click fitting	
002	Design	
D	Straight	
L	L-shape	
T	T-shape	

003	Pneumatic connection 1	
G18	G1/8	
Q6	Push-in connector 6 mm	

004	Pneumatic connection 2	
E	Same size as connection 1	
Q6	Push-in connector 6 mm	

005	Packaging quantity [pieces]	
P10	10	

Datasheet

General technical data

Size	Standard	
Pneumatic connection, port 1	Male thread G1/8	For tubing outside diameter of 6 mm
Pneumatic connection, port 2	For tubing outside diameter of 6 mm	
Nominal size	4 mm	
Tubing insertion depth	25.8 mm	
Mounting position	Any	
Design	Push-pull principle	
Type of seal on screwed plug	Sealing ring	–
Max. tightening torque	2 Nm	–
Nominal torque	1.25 Nm	–
Tolerance for nominal tightening torque	±20%	–
Size of pack	10	

Operating and environmental conditions

Operating pressure	-0.095 ... 1 MPa	
Operating pressure	-0.95 ... 10 bar	
Operating pressure	-13.775 ... 145 psi	
Note on operating pressure	Water: max. 0.6 MPa at 0 - 50°C	
Operating medium	Compressed air to ISO 8573-1:2010 [7:::] Water (liquid, ice-free)	
Note on operating and pilot medium	Lubricated operation possible	
Ambient temperature	-10 ... 60°C	
Suitable for use with food ²⁾	See supplementary material information	

2) Next information www.festo.com/catalogue/npka → Support/Downloads.

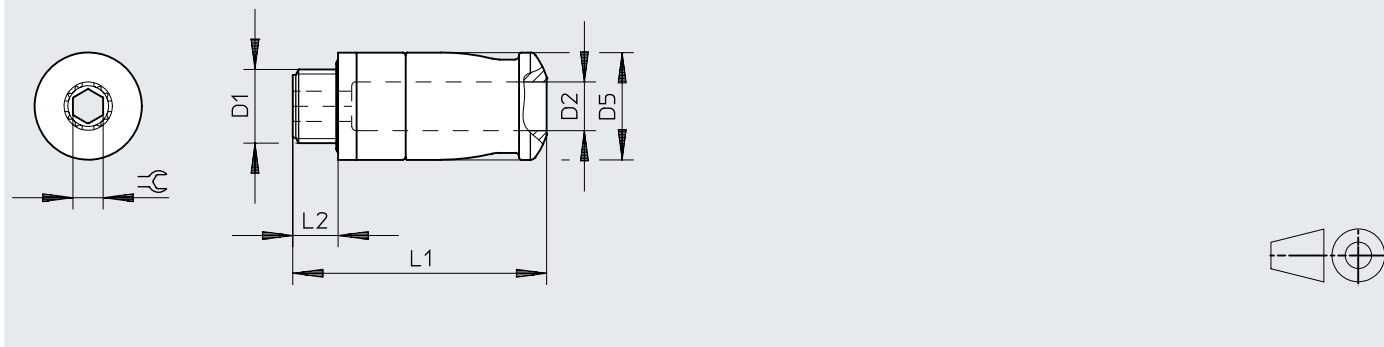
Materials

Material housing	PA66-GF30
Material thread seal	NBR
Material sleeve	POM
Material tubing seal	NBR
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Dimensions

Dimensions – Click fitting NPKA-D

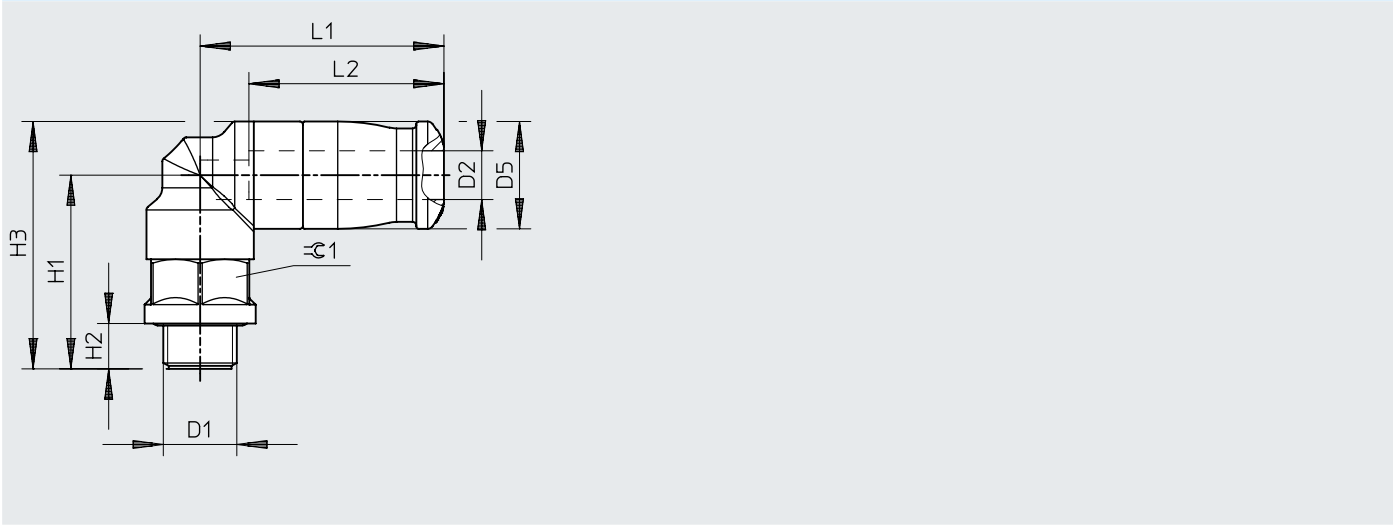
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	D1	D2	D5 ø	L1	L2	≡G
NPKA-D-G18-Q6-P10	G1/8	6	14,2	33,6	6	4

Dimensions

Dimensions – Elbow click fitting NPKA-L Download CAD data www.festo.com

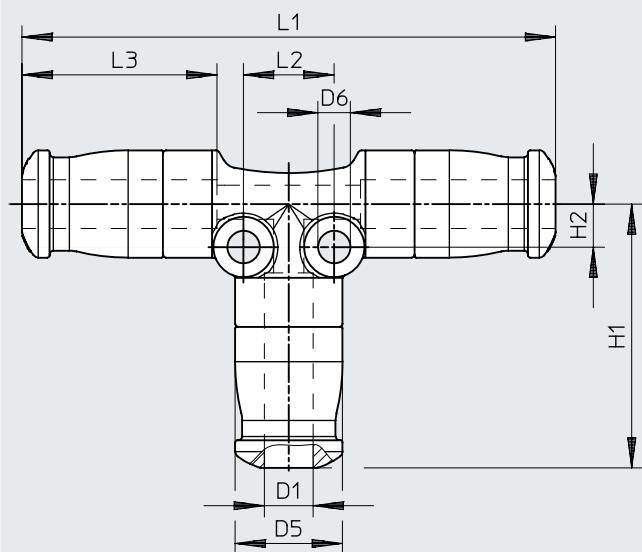


	D1	D2	D5 Ø	H1	H2	H3	L1	L2	13°
NPKA-L-G18-Q6-P10	G1/8	6	14,2	25,6	6	32,7	32,3	25,8	13

Dimensions

Dimensions – Click T-connector NPKA-T

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	D1	D5	D6	H1	H2	L1	L2	L3
NPKA-T-Q6-E-P10	6	14,2	4,3	35	5,7	70,6	12	25,8

Accessories

Ordering data – click fitting

	Pneumatic connection, port 1	Pneumatic connection, port 2	Size of pack	Product weight	Part no.	Type
	Male thread G1/8	For tubing outside diameter of 6 mm	10	4.2 g	1243489	NPKA-D-G18-Q6-P10

Ordering data – elbow click fitting

	Pneumatic connection, port 1	Pneumatic connection, port 2	Size of pack	Product weight	Part no.	Type
	Male thread G1/8	For tubing outside diameter of 6 mm	10	7.5 g	1655429	NPKA-L-G18-Q6-P10

Ordering data – click T-connector

	Pneumatic connection, port 1	Pneumatic connection, port 2	Size of pack	Product weight	Part no.	Type
	For tubing outside diameter of 6 mm	For tubing outside diameter of 6 mm	10	12.5 g	1590710	NPKA-T-Q6-E-P10