

Fitting NLFA

FESTO



Key features

At a glance

- Fittings for liquid media, especially suitable for laboratory applications
- Five different fittings for a range of tubing and dosing nozzles
- Intended use:

The fittings NLFA are intended for installation in laboratory devices. The fittings are used for mounting tubing or needles within the scope of their technical data. The chemical resistance of the fittings coming into contact with the media must be checked for each application. The application must be validated.

- Misuse:

Use with incompatible media (compatibility must be checked by the customer in advance). Please contact Festo for advice if you are unsure about the product's suitability for the planned application.

Type codes

001	Series	
NLFA	Fitting	
002	Design	
D	Straight	
003	Fluid connection 1	
U14	1/4-28 UNF	

004	Fluid connection 2	
B1.2	Barbed connector, 1.2 mm	
B2.1	Barbed connector, 2.1 mm	
K1.6	Clamped connection 1.6 mm	
K3	Clamped connection 3 mm	
K3.2	Clamped connection 3.2 mm	
005	Material, in contact with media	
PP	Polypropylene	
006	Packaging unit	
P10	10	

Data sheet

General technical data – Barbed connector	
Type ID code	NLFA
Design	Tubing mount via barbed connector
Fluid connection	UNF1/4-28
Fluid connection 2	For tubing I.D. 1.2 mm, for tubing I.D. 2.1 mm
Design	Straight design
Sealing principle	Hard
Mounting position	Any
Product weight	0.5 ... 1.06 g
Pack size	10

General technical data – Clamped connection	
Type ID code	NLFA
Design	Tubing mount via clamped connection
Fluid connection	UNF1/4-28
Fluid connection 2	For tubing O.D. 1.6 mm, for tubing O.D. 3 mm, for tubing O.D. 3.2 mm
Design	Straight design
Sealing principle	Hard
Mounting position	Any
Product weight	0.44 ... 0.53 g
Pack size	10

Operating and environmental conditions – Barbed connector	
Type ID code	NLFA
Medium	Liquid media, gaseous media
Note on the medium	Note resistance of materials in contact with the medium
Operating pressure for entire temperature range	-0.75 ... 4 bar
Temperature of medium	0 ... 35°C
Ambient temperature	0 ... 35°C
Storage temperature ¹⁾	-20 ... 70°C
Food-safe	See supplementary material information

1) Only valid for uninstalled state.

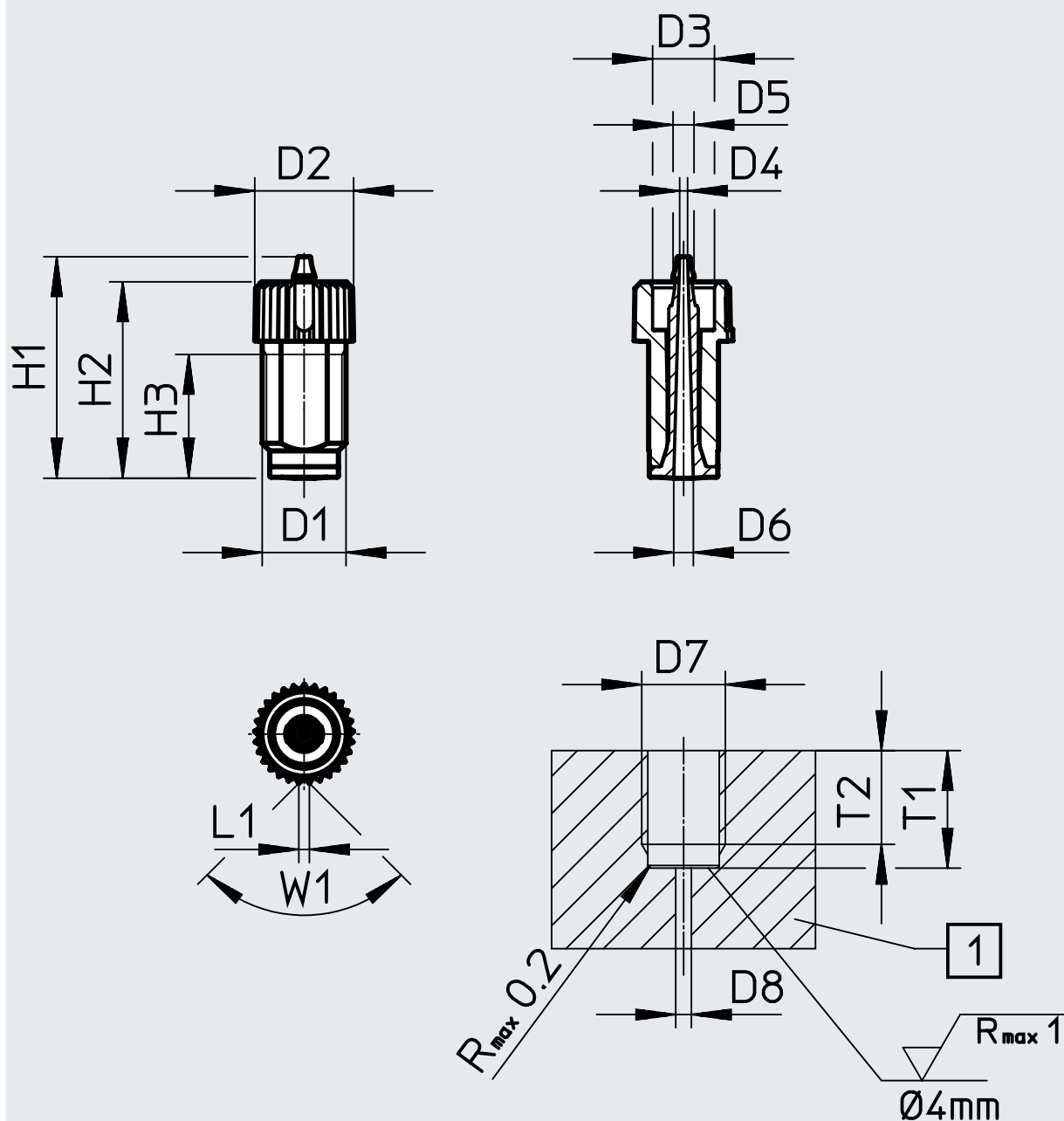
Operating and environmental conditions – Clamped connection	
Type ID code	NLFA
Medium	Liquid media, gaseous media
Note on the medium	Note resistance of materials in contact with the medium
Operating pressure for entire temperature range	-0.75 ... 6 bar
Temperature of medium	0 ... 50°C
Ambient temperature	0 ... 50°C
Storage temperature ¹⁾	-20 ... 70°C
Food-safe	See supplementary material information

1) Only valid for uninstalled state.

Materials	
Type ID code	NLFA
Screwed trunnion material	PA-reinforced
Note on materials	RoHS-compliant

Dimensions

Dimensions – With barbed connector

Download CAD data → www.festo.com

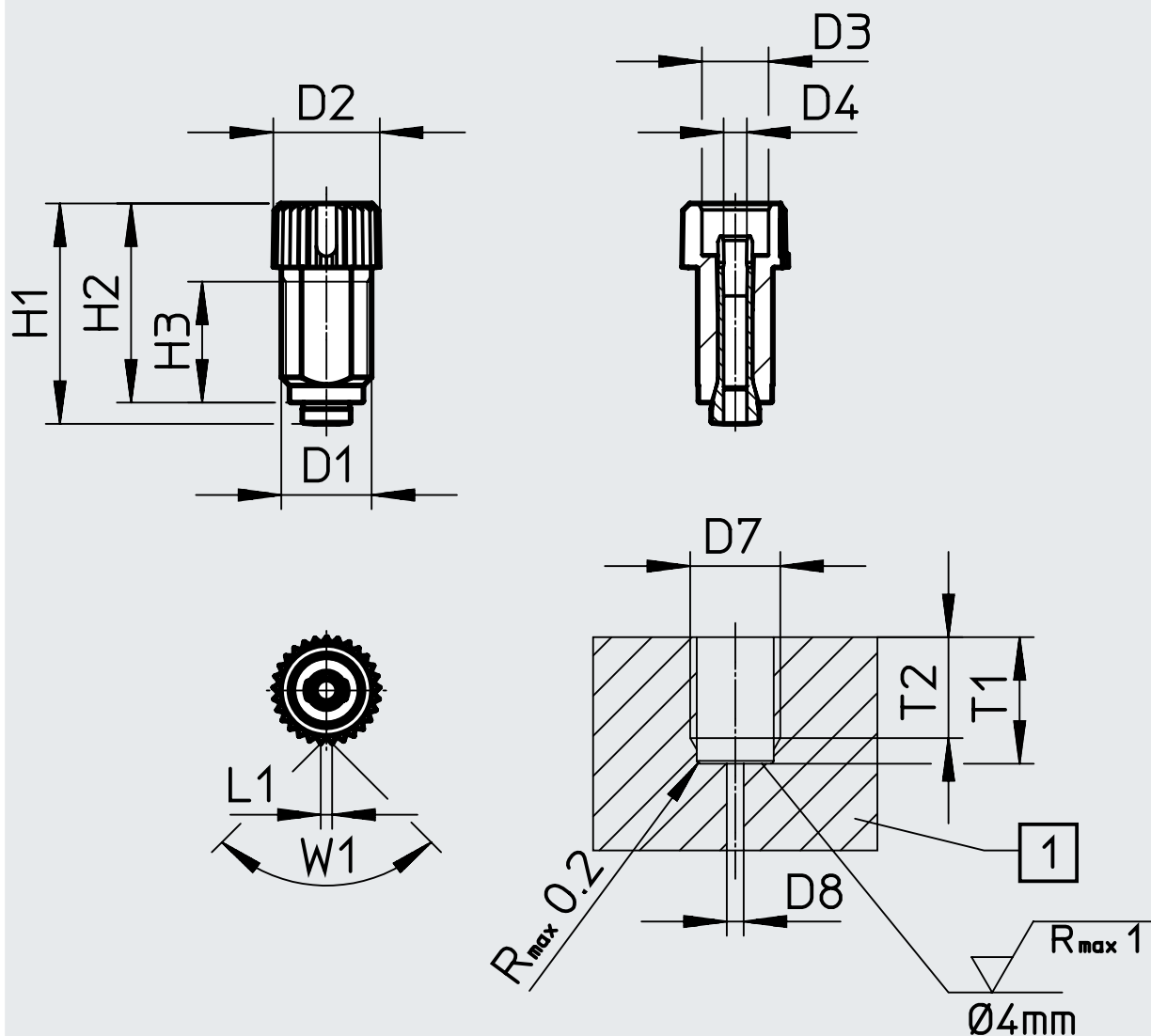
[1] Mounting surface

	D1	D2 Ø	D3 Ø	D4 Ø	D5 Ø	D6 Ø	D7	D8 Ø max.
NLFA-D-U14-B1.2-PP-P10	UNF1/4-28	7,5	4,7	0,6	1,6	1,5	UNF1/4-28	1,2
NLFA-D-U14-B2.1-PP-P10	UNF1/4-28	7,5	4,7	1,3	2,6	2,2	UNF1/4-28	2,4

	H1	H2	H3	L1	T1	T2	W1
NLFA-D-U14-B1.2-PP-P10	16,8	14,9	9,4	0,8	8,9	7,1	90°
NLFA-D-U14-B2.1-PP-P10	16,8	14,9	9,4	0,8	8,9	7,1	90°

Dimensions

Dimensions – With clamped connection

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[1] Mounting surface

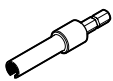
	D1	D2 Ø	D3 Ø	D4 Ø	D7	D8 Ø max.	H1
NLFA-D-U14-K1.6-PP-P10	UNF1/4-28	7,5	4,7	1,7	UNF1/4-28	1,2	15,5
NLFA-D-U14-K3-PP-P10	UNF1/4-28	7,5	4,7	3,1	UNF1/4-28	2,4	15,5
NLFA-D-U14-K3.2-PP-P10	UNF1/4-28	7,5	4,7	3,3	UNF1/4-28	2,4	15,5

	H2	H3	L1	T1	T2	W1
NLFA-D-U14-K1.6-PP-P10	14	8,5	0,8	8,9	7,1	90°
NLFA-D-U14-K3-PP-P10	14	8,5	0,8	8,9	7,1	90°
NLFA-D-U14-K3.2-PP-P10	14	8,5	0,8	8,9	7,1	90°

Ordering data

Ordering data			
Design	Fluid connection 2	Part no.	Type
Straight	Barbed connector, 1.2 mm	8104288	NLFA-D-U14-B1.2-PP-P10
	Barbed connector, 2.1 mm	8104289	NLFA-D-U14-B2.1-PP-P10
	Clamped connection 1.6 mm	8104285	NLFA-D-U14-K1.6-PP-P10
	Clamped connection 3 mm	8104286	NLFA-D-U14-K3-PP-P10
	Clamped connection 3.2 mm	8104287	NLFA-D-U14-K3.2-PP-P10

Accessories

Mounting accessories		Part no.	Type
Assembly tool			
	Screw-in adapter to an external hexagon, width across flats 6 mm	8146520	NPAT-FA-A-R75
Tubing			
Plastic tubing			
	Polyurethane; hydrolysis-resistant; tubing O.D. 2 mm; natural; 50 m	133038	PUN-H-2X0,4-NT
	Polyurethane; hydrolysis-resistant; tubing O.D. 3 mm; natural; 50 m	197375	PUN-H-3X0,5-NT