

FAST MOVING TECHNOLOGY

STÄUBLI

FHH quick-release coupling

All fluids | Stainless steel high-pressure



Easy, safe and long-lasting connections for your high-pressure lines

Applications

- High-pressure hydrogen lines
- Gas filling of cylinder racks
- Process industry
- Laboratories



Guarantee the safety of users and installations



Simplify connection operations



Improve your productivity



Optimize your costs

How Stäubli's design enhances your performance

Quality and robust materials

Stainless steel:

- Corrosion and high-pressure resistant
- Impact-resistant polymer operating sleeve with electrostatic dissipation



Ergonomic design

- One-hand connection and disconnection
- Lightweight, compact design for easy handling



Easy and safe locking system

- Simple push to lock
- Audible click
- No gas flow possible if the socket is not properly connected to the plug

Safe disconnection system

2 stage disconnection: no risk of unintentional disconnection

Step 1: push the socket towards the plug


Step 2: pull the socket sleeve



The opportunity to spend less and contribute to a sustainable development program.

With Stäubli, you can rely on the performance of your equipment, reliability of long-term investments and no workplace pollution.

Technical characteristics

	FHH 08	FHH 11
Nominal diameter DN	8 mm	11 mm
Maximum allowable pressure PS*	1000 bar (14500 psi)	700 bar (10150 psi)
CV on both direction	1.92	3.41
Minimum and maximum allowable temperatures TS	-40 to +85 °C (-40 to +185 °F)	
Shutoff double		

- Compliant with the European Pressure Equipment Directive 2014/68/UE
- Designed for incorporation in accordance with the Directive on Explosive Atmospheres 2014/34/UE (ATEX)

Material

Mainly high-strength austenitic stainless steel.
Hydrogen resistant sealing material.

Tightness

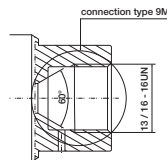
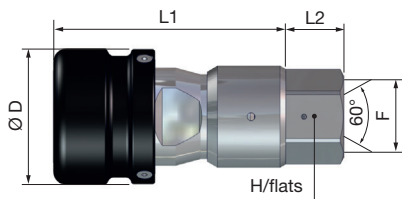
$1 \cdot 10^{-4}$ N.cm³ / s. in connected and disconnected position.



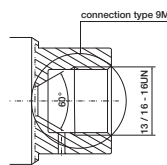
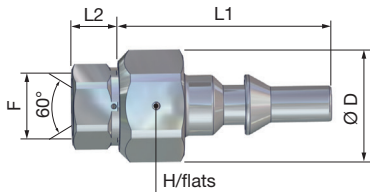
Part numbers

FHH 08

Description	Fittings F	Dimensions				Part numbers
		Ø	L1	L2	H/flats	
Socket, female cone and thread connection	UN 13/16-16"	51.5	87.8	22.0	32	100049704

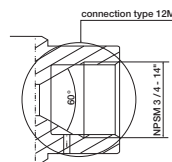
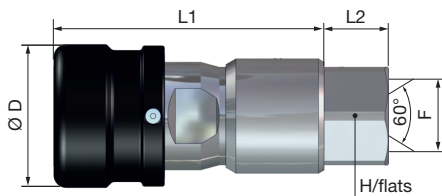


Plug, female cone and thread connection	UN 13/16-16"	42	79.5	17.3	29	100049702
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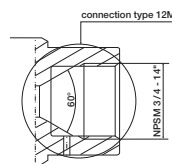
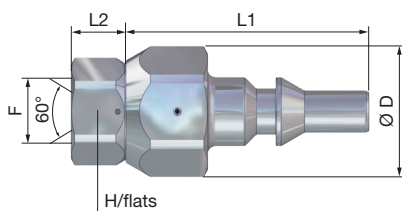


FHH 11

Description	Fittings F	Dimensions				Part numbers
		Ø	L1	L2	H/flats	
Socket, female cone and thread connection	NPSM 3/4 - 14"	55.5	104.6	25.0	38	100042825

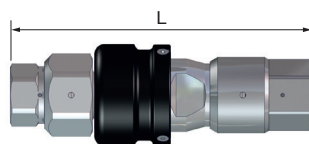


Plug, female cone and thread connection	NPSM 3/4 - 14"	51	95.0	21.5	38	100042824
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Total length in connected position

Model	L (mm)
FHH 08	153.4
FHH 11	187.1





● Stäubli Units ○ Representatives/Agents

Global presence of the Stäubli Group

www.staubli.com