

# F11 Compression Adapter for Metal Pipes

## Product Description

Elastic sealing 2-stage compression adapter with fixed stop for G 3/4", male thread with Euro taper according to DIN EN 16313.

1. Stage - seal; 2. Stage - clamp. The 2-stage function causes a precisely predetermined compression of the sealing element as well as a precisely defined tensioning of the clamp ring, which cannot be influenced by the assembly operative. Extended clamp ring for extremely high pulling forces. Support sleeves are not required. Sealing element with optimal properties with respect to heat stability and resistance to ageing.

## Technical Data

**Max. operating temperature:**

110 °C permanent temperature  
(short-term 130 °C)

**Max. operating pressure:**

10 bar

**Operating medium:**

Heating water in accordance with VDI 2035

**Surface finish:**

nickel-plated or chrome-plated

**Euro taper:**

DIN EN 16313

## Appropriate Pipes

- Copper pipes (blank, nickled, chromed\*) according to DIN EN 1057 (soft, semi-hard, hard)
- Carbon steel pipe (blank, galvanised) according to DIN EN 10305
- Stainless steel pipe according to DIN EN 10312

\* Limitations for chrome-plated copper pipes:  
Dimension 14-18 mm for semi-hard and hard copper pipes

## Materials

**Nut:**

Nickel-plated or chrome-plated brass

**Bracket:**

Brass

**Clamp ring:**

Brass

**Sealing taper:**

EPDM

**Locking ring:**

Stainless steel

## Area of Application



Heating systems

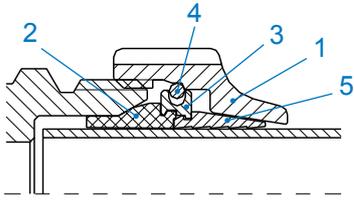


## Versions

Art. no.	Dimensions	Version
F11121	12 x 1 mm x G3/4f Euro taper	nickel-plated
F11122	14 x 1 mm x G3/4f Euro taper	nickel-plated
F11120	15 x 1 mm x G3/4f Euro taper	nickel-plated
F11132	15 x 1 mm x G3/4f Euro taper	chrome-plated
F11123	16 x 1 mm x G3/4f Euro taper	nickel-plated
F11124	18 x 1 mm x G3/4f Euro taper	nickel-plated

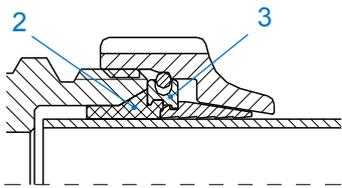
# F11 Compression Adapter

## Function



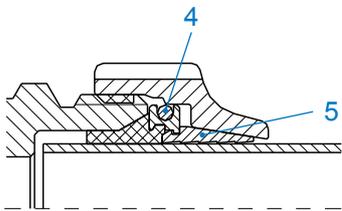
### Starting state

1 nut, 2 elastic sealing taper,  
3 bracket, 4 locking ring, 5 clamp ring



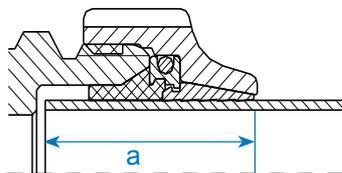
### Step 1: Sealing

When tightening the screw in the 1st step the elastic sealing element (2) is compressed until the bracket (3) reaches the Euro taper.



### Step 2: Clamping

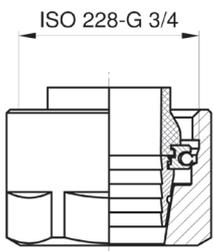
By overcoming a slight resistance during tightening, the locking ring (4) inserts the groove of the bracket and the 2nd step becomes possible. Thereby, the clamp ring (5) is tensioned over the cone of the nut along the total length.



### Final state

The nut is tightened to the stop.  
a = minimum insertion length

## Dimensional Drawing



Art. no.	Connection Dimension	Thread	SW	Min. Insertion Length
F11121	12 x 1	G3/4f Euro taper	27	23
F11122	14 x 1	G3/4f Euro taper	27	23
F11120	15 x 1	G3/4f Euro taper	27	23
F11132	15 x 1	G3/4f Euro taper	27	23
F11123	16 x 1	G3/4f Euro taper	27	23
F11124	18 x 1	G3/4f Euro taper	27	23

Gf= parallel female thread in inches ["] according to DIN EN ISO 228-1

SW = wrench size

Data in mm

All technical data is non-binding and does not represent guaranteed properties of the goods. The illustrations are symbolic and may differ from the respective product. Additional information is available upon request. It is the responsibility of the processor to select products in accordance with their properties. Installation instructions must be followed. Errors and technical changes reserved.