

Product Data Sheet

5/12/2026

Seals & Fittings

CLEVERFIT Radial Coupling

Romania - Purmo



- Enhanced Durability
- Leak-Before-Press
- User-friendly Installation
- Versatile Application
- Certified Safety

Description

CLEVERFIT Radial Coupling features a robust PPSU body, ensuring durability under high stress and temperatures. With deep-seated O-rings and a special viewing window, it simplifies installation while guaranteeing a reliable seal. The "Leak Before Press" functionality helps detect unpressed connections early, preventing costly future repairs. Suitable for various applications, it meets rigorous certifications for drinking water safety.

Area of Application

CLEVERFIT Radial Coupling is suitable for heating and water supply systems. It's ideal for both cold and hot water installations, with a temperature range up to 90°C and project pressure up to 10 bar. Certified for drinking water systems in compliance with DIN EN 21003, DVGW and local standards.

Selection Criteria

Select based on system specifications for pressure and temperature. Use our design service or brochure for quick selection.

Basic User Instructions

To install CLEVERFIT Radial Coupling, ensure the pipe is cut square, calibrated, and the edges are deburred. Insert the pipe fully into the coupling until it reaches the inspection window. Use appropriate jaw profiles to press the connection securely. Verify the connection by checking for any leaks.

Prescription text specifiers

The CLEVERFIT Radial Coupling is made from robust PPSU, resistant to high stress, temperatures up to 90°C, and pressures up to 10 bar. It features deep-seated O-rings, ensuring secure and durable connections, a special viewing window for installation verification, and the Leak-Before-Press function to detect unpressed fittings. This coupling is suitable for both heating and potable water systems, compliant with DVGW and PZH certifications for drinking water applications. Use the Multitool function to apply TH and U profiles for pressing connections. Available in diameters from 16mm to 32mm.

Warranty

Specification

| Feature | Unit | Value |
|--|-----------------|--|
| Etim Class | | EC003024 - Fitting with 2 connections |
| Depth | Millimetre (mm) | 20, 22, 23.3, 23.4, 25 ... 54.5, 57.4, 61.3, 70, 80 |
| Weight | Kilogram (kg) | 0.0204, 0.0207, 0.0267, 0.0274, 0.036 ... 0.4981, 0.5511, 0.6816, 0.6886, 0.7399 |
| Height | Millimetre (mm) | 22, 23.3, 23.4, 25, 27 ... 47.4, 54.5, 57.4, 61.3, 70 |
| Model | | 1-part, 2-part |
| Shape | | Straight |
| Connection 1 | | Press sleeve |
| Connection 2 | | Internal thread metric, Press sleeve |
| Length | Millimetre (mm) | 101, 103, 109, 49.5, 50.4 ... 77, 81, 90.1, 95, 99 |
| Surface protection connection 1 | | Nickel-plated, Untreated |
| Surface treatment connection 1 | | Pickled, Untreated |
| Surface protection connection 2 | | Galvanic/electrolytic zinc plated, Nickel-plated, Untreated |
| Surface treatment connection 2 | | Pickled, Untreated |
| Contour code connection 1 | | Several, TH, TH/U |
| Contour code connection 2 | | Other, Several, TH, TH/U |
| Max. operating pressure at max. medium temperature | Bar (bar) | 10 |
| Main colour fitting | | Other |
| With connection indicator | | Yes |
| Zeta value | | 0.2, 0.4, 0.5, 0.6, 0.75 ... 2.1, 2.4, 4.9, 5.4, 5.8 |
| Capped | | No |
| With sealing rings/gaskets | | Yes |
| Nominal diameter connection 2 | | 1 1/2 inch (40), 1 1/4 inch (32), 1 inch (25), 1/2 inch (15), 2 inch (50), 3/4 inch (20), DN 12, DN 15, DN 20, DN 25, DN 32, DN 40, DN 50, Other |
| Eccentric | | No |
| With drain valve | | No |
| With de-aerator | | No |
| Outer pipe diameter connection 1 | Millimetre (mm) | 14, 16, 20, 26, 32, 40, 50, 63 |
| Outer pipe diameter connection 2 | Millimetre (mm) | 14, 15, 16, 18, 20, 22, 25, 26, 28, 32, 40, 50, 63 |

| Feature | Unit | Value |
|----------------------------------|----------------------|--|
| With buffer stud | | No |
| Wall thickness, connection 1 | Millimetre (mm) | 2, 3, 3.5, 4, 4.5 |
| Material sealing | | Ethylene-propylene diene monomer rubber (EPDM) |
| Reducing | | No, Yes |
| Max. operating pressure at 20 °C | Bar (bar) | 10 |
| Medium temperature (continuous) | Degrees celsius (°C) | 70, 95 |
| Nominal diameter connection 1 | | DN 10, DN 12, DN 15, DN 20, DN 25, DN 32, DN 40, DN 50 |
| With thermal insulation | | No |
| High tensile strength | | Yes |
| System specific | | Yes |
| Material connection 1 | | Brass, Polyphenylsulfone (PPSU) |
| Material connection 2 | | Brass, Copper, Polyphenylsulfone (PPSU) |
| Material quality connection 1 | | CuZn39Pb3 (CW617N), Other |
| Material quality connection 2 | | CuZn39Pb3 (CW617N), CuZn40Pb2 (CW617N), Other |

Resources

| Document Description | Document Type | Link |
|----------------------|---------------|------|
|----------------------|---------------|------|

Items

| Global Item Code | Item Description |
|------------------|-----------------------------------|
| FAZ4A12F16A000E0 | Coupling CFpress F 16x1/2" |
| FAZ4A12F20A000E0 | Coupling CFpress F 20x1/2" |
| FAZ4A34F16A000E0 | Coupling CFpress F 16x3/4" |
| FAZ4A34F20A000E0 | Coupling CFpress F 20x3/4" |
| FAZ4A34F26A000E0 | Coupling CFpress F 26x3/4" |
| FAZ4A44F26A000E0 | Coupling CFpress F 26x1" |
| FAZ4A44F32A000E0 | Coupling CFpress F 32x1" |
| FAZ4A54F40A000E0 | Coupling CFpress F 40x5/4" |
| FAZ4C12M16A000E0 | Coupling CFpress M 16x1/2" |
| FAZ4C12M20A000E0 | Coupling CFpress M 20x1/2" |
| FAZ4C12M26A000E0 | Coupling CFpress M 26x1/2" |
| FAZ4C14A14A000P0 | Fitting Pipe-Pipe Sitec 14x14 |
| FAZ4C15K16A000E0 | Radial Coupling copper 16x15 |
| FAZ4C16A16A000E0 | Coupling CFpress 16x16 |
| FAZ4C18K20A000E0 | Radial Coupling copper 20x18 |
| FAZ4C20A16A000E0 | Red coupling CFpress 20x16 |
| FAZ4C20A20A000E0 | Coupling CFpress 20x20 |
| FAZ4C22K20A000E0 | Radial Coupling copper 20x22 |
| FAZ4C22K26A000E0 | Radial Coupling copper 26x22 |
| FAZ4C26A16A000E0 | Red coupling CFpress 26x16 |
| FAZ4C26A20A000E0 | Red coupling CFpress 26x20 |
| FAZ4C26A26A000E0 | Coupling CFpress 26x26 |
| FAZ4C28K32A000E0 | Radial Coupling copper 32x28 |
| FAZ4C32A16A000E0 | Red coupling CFpress 32x16 |
| FAZ4C32A20A000E0 | Red coupling CFpress 32x20 |
| FAZ4C32A26A000E0 | Red coupling CFpress 32x26 |
| FAZ4C32A32A000E0 | Coupling CFpress 32x32 |
| FAZ4C34F16A000E0 | ScrCon CFpress F flat 16x3/4" |
| FAZ4C34F20A000E0 | ScrCon CFpress F 20x3/4" |
| FAZ4C34M16A000E0 | Coupling CFpress M 16x3/4" |
| FAZ4C34M20A000E0 | Coupling CFpress M 20x3/4" |
| FAZ4C34M26A000E0 | Coupling CFpress M 26x3/4" |
| FAZ4C40A26A000E0 | Red coupling CFpress 40x26 |
| FAZ4C40A32A000E0 | Red coupling CFpress 40x32 |
| FAZ4C40A40A000E0 | Coupling CFpress 40x40 |

| Global Item Code | Item Description |
|------------------|------------------------------------|
| FAZ4C44F26A000E0 | ScrCon CFpress F flat 26x1" |
| FAZ4C44M26A000E0 | Coupling CFpress M 26x1" |
| FAZ4C44M32A000E0 | Coupling CFpress M 32x1" |
| FAZ4C50A32A000E0 | Red coupling CFpress 50x32 |
| FAZ4C50A40A000E0 | Red coupling CFpress 50x40 |
| FAZ4C54M40A000E0 | Coupling CFpress M 40x5/4" |
| FAZ4C63A40A000E0 | Red coupling CFpress 63x40 |
| FAZ4C63A50A000E0 | Red coupling CFpress 63x50 |
| FAZ4C63A63A000E0 | Coupling CFpress 63x63 |
| FAZ4C64F50A000E0 | Coupling CFpress F 50x3/2" |
| FAZ4C64M50A000E0 | Coupling CFpress M 50x3/2" |
| FAZ4C84F63A000E0 | Coupling CFpress F 63x2" |
| FAZ8A16A20A000E0 | RedCoupling PPSU CFpress 16x20 |
| FAZ8A32A26A000E0 | RedCoupling PPSU CFpress 32x26 |
| FAZ8C12M16A000E0 | Coupling PPSU CFpress M16x1/2" |
| FAZ8C16A16A000E0 | Coupling PPSU CFpress 16x16 |
| FAZ8C20A20A000E0 | Coupling PPSU CFpress 20x20 |
| FAZ8C26A16A000E0 | RedCoupling PPSU CFpress 26x16 |
| FAZ8C26A20A000E0 | RedCoupling PPSU CFpress 26x20 |
| FAZ8C26A26A000E0 | Coupling PPSU CFpress 26x26 |
| FAZ8C32A32A000E0 | Coupling PPSU CFpress 32x32 |