

# Product Data Sheet

1/12/2026

Seals & Fittings

## CLEVERFIT Radial Elbow

Romania - Purmo



- Leak Before Press Feature
- High Durability
- Dual O-Ring Seal
- Multiprofile Compatibility
- Certified for Use in Potable Water Systems

## Description

The CLEVERFIT Radial Elbow is a key component in modern plumbing systems, designed to ensure robust and secure connections. Constructed from high-performance PPSU material, it offers excellent resistance to high temperatures and aggressive water properties. The unique design includes dual o-rings and a 'Leak Before Press' feature that ensures any incomplete pressing is evident through visible leakage, avoiding the risk of hidden faults. This product facilitates installations in both heating and potable water systems, certified to meet stringent health standards.

## Area of Application

CLEVERFIT Radial Elbow 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

For product selection, use our design service or refer to our brochure for a quick selection guide. Ensure compatibility with pipe diameter and pressure requirements.

## Basic User Instructions

Ensure the pipe is cut cleanly and deburred. Insert the pipe fully into the CLEVERFIT Radial Elbow until it is clearly visible in the control window. Use suitable pressing tools with appropriate profiles (TH or U). Perform a pressure test after installation to verify the connection. Do not use under extreme temperatures without consulting the guidelines.

## Prescription text specifiers

CLEVERFIT Radial Elbow constructed from PPSU provides reliable, leak-proof connections in heating and potable water installations. It supports pipe diameters of 16-32 mm, operates under a maximum pressure of 10 bar, and temperatures up to 90°C. The integrated 'Leak Before Press' feature ensures any incomplete pressing is immediately evident through visible leakage, ensuring the reliability of the installation. Certified for potable water use, it meets stringent health standards, ensuring safety and performance in all applications. Suitable for commercial and residential systems, making it versatile and high-performing.

## Warranty

# Specification

| Feature  | Unit            | Value  |
|--|-----------------|--|
| Etim Class   |                 | EC003024 - Fitting with 2 connections  |
| Depth  | Millimetre (mm) | 23.3, 23.4, 26.3, 27.3, 27.4 ... 39.3, 39.7, 47.4, 57.4, 70  |
| Weight   | Kilogram (kg)   | 0.0225, 0.0263, 0.0351, 0.058, 0.0708 ... 0.2473, 0.2742, 0.4436, 0.6435, 0.9184                     |
| Height   | Millimetre (mm) | 23.3, 27.3, 33.3, 34, 35.15 ... 54.65, 56, 57.4, 57.65, 70   |
| Model  |                 | 2-part   |
| Shape  |                 | Elbow (fitting)  |
| Connection 1                                       |                 | Press sleeve   |
| Connection 2                                       |                 | Internal thread metric, Press sleeve   |
| Length   | Millimetre (mm) | 113.5, 52, 54, 55.2, 57.15 ... 75.5, 75.85, 76.35, 86, 99.5  |
| Bend angle   | Degrees (°)     | 90   |
| 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                     |                 | Other, Pickled, Untreated  |
| Contour code connection 1                          |                 | Several, TH, TH/U  |
| Contour code connection 2                          |                 | Several, TH, TH/U  |
| Max. operating pressure at max. medium temperature | Bar (bar)       | 10   |
| Main colour fitting                                |                 | Other  |
| With connection indicator                          |                 | Yes  |
| Zeta value   |                 | 1.1, 1.5, 11.5, 2.73, 3.1, 4.3, 5.2, 5.97  |
| Capped   |                 | No   |
| With sealing rings/gaskets                         |                 | Yes  |
| Nominal diameter connection 2                      |                 | 1 inch (25), 1/2 inch (15), 3/4 inch (20), 7/8 inch, DN 12, DN 15, DN 20, DN 25, DN 32, DN 40, DN 50 |
| Eccentric  |                 | No   |
| With drain valve                                   |                 | No   |
| With de-aerator                                    |                 | No   |
| Outer pipe diameter connection 1                   | Millimetre (mm) | 16, 20, 26, 32, 40, 50, 63   |
| Outer pipe diameter connection 2                   | Millimetre (mm) | 15, 16, 20, 25, 26, 32, 40, 50, 63   |
| With buffer stud                                   |                 | No   |
| Wall thickness, connection 1                       | Millimetre (mm) | 2, 3, 3.5, 4, 4.5  |

| Feature                          | Unit                 | Value   |
|----------------------------------|----------------------|---|
| 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 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, Polyphenylsulfone (PPSU)                 |
| Material quality connection 1    |                      | CuZn39Pb3 (CW617N), Other                       |
| Material quality connection 2    |                      | CuZn39Pb2 (CW612N), Other                       |

# Resources

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

## Items

| Global Item Code | Item Description             |
|------------------|------------------------------|
| FAZ4E12F16A000E0 | Elbow CFpress F 16x1/2"      |
| FAZ4E12F20A000E0 | Elbow CFpress F 20x1/2"      |
| FAZ4E12M16A000E0 | Elbow CFpress M 16x1/2"      |
| FAZ4E12M20A000E0 | Elbow CFpress M 20x1/2"      |
| FAZ4E16A16A000E0 | Elbow CFpress 16x16          |
| FAZ4E20A20A000E0 | Elbow CFpress 20x20          |
| FAZ4E26A26A000E0 | Elbow CFpress 26x26          |
| FAZ4E32A32A000E0 | Elbow CFpress 32x32          |
| FAZ4E34F16A000E0 | Radial Elbow F 16x3/4"       |
| FAZ4E34F20A000E0 | Elbow CFpress F 20x3/4"      |
| FAZ4E34F26A000E0 | Elbow CFpress F 26x3/4"      |
| FAZ4E34M16A000E0 | Radial Elbow M 16x3/4"       |
| FAZ4E34M20A000E0 | Elbow CFpress M 20x3/4"      |
| FAZ4E34M26A000E0 | Elbow CFpress M 26x3/4"      |
| FAZ4E40A40A000E0 | Elbow CFpress 40x40          |
| FAZ4E44F32A000E0 | Elbow CFpress F 32x1"        |
| FAZ4E44M26A000E0 | Elbow CFpress M 26x1"        |
| FAZ4E44M32A000E0 | Elbow CFpress M 32x1"        |
| FAZ4E50A50A000E0 | Elbow CFpress 50x50          |
| FAZ4E63A63A000E0 | Elbow CFpress 63x63          |
| FAZ8E12M16A000E0 | Elbow PPSU CFpress M16x1/2"; |
| FAZ8E16A16A000E0 | Elbow PPSU CFpress 16x16     |
| FAZ8E20A20A000E0 | Elbow PPSU CFpress 20x20     |
| FAZ8E26A26A000E0 | Elbow PPSU CFpress 26x26     |
| FAZ8E32A32A000E0 | Elbow PPSU CFpress 32x32     |