

Plumbing Press Fittings Data Sheet **CORE[®]**



The CORE Copper Press range is available in sizes 15mm - 108mm. Perfect for heat-free installation in potable water, heating, and cooling applications; this innovative product comes with an unbeatable 30-year warranty, showcasing our commitment to quality and reliability.



| | |
|---------------------|--|
| CORE Press Fittings | 15mm - 108mm |
| Applications | Potable water, Heating and Cooling, Hot water services |
| Market Segment | Domestic and Commercial |
| Approvals | KIWA REG4 and WRAS |

| | |
|--|---|
| Materials | CW024A Copper and CW602N DZR Brass |
| Sealing | EPDM O-Ring |
| Press Configuration | M-Profile |
| Maximum Operating Pressure (Liquid) | 16 bar (-20°C to 110°C) |
| Maximum Operating Pressure (Negative Pressure) | >0.2 bar (-20°C to 110°C) |
| Dimensions | See sbscore.co.uk |
| Product Marking | Size, LTC Logo, EN1254, Unique batch coding |
| Warranty | 30 Years (See website for T&Cs) |
| Electrical Continuity | Yes |
| Thread Specification | Male- ISO 7/EN10226-1 Female - BS EN ISO 228 |
| Assembly Instructions | See Press Fit IOM - sbscore.co.uk/technical-documents |
| Features | Leak before Press O-Ring (up to and including 54mm) Press Indicator (Black) No Solder Required No hot works permits needed |
| Standard | EN 1254-7 |

Disclaimer: The information within this document is believed to be correct at the time of publication; however, the document is for guideline use only. For complete accuracy, always check the product with a CORE representative. Missing information was either not available or disclosed. It is your responsibility that any product meets the necessary requirements. Any reliance placed upon this information will be totally at the user's risk.

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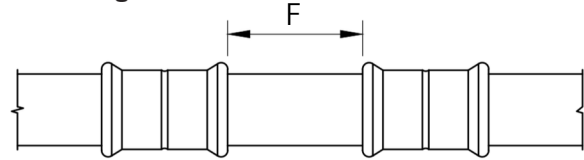
Copper Tube Compatibility

Copper Tube to BS EN1057
Temper: R250 - Half-hard,
bendable R290 - Hard,
unbendable

| Outside diameter | 0.7mm | 0.9mm | 1.0mm | 1.2mm | 1.5mm | 2.0mm | 2.5mm |
|------------------|--------------|--------------|--------------|--------------|-------|-------|-------|
| 15mm | R250 R290 | | R250 R290 | | | | |
| 22mm | | R250 R290 | | R250 R290 | | | |
| 28mm | | R250 R290 | | R250 R290 | | | |
| 35mm | | | R290 | R290 | R290 | | |
| 42mm | | | R290 | R290 | R290 | | |
| 54mm | | | R290 | R290 | R290 | | |
| 66.7mm | | | | R290 | | R290 | |
| 76.1mm | | | | | R290 | R290 | |
| 108mm | | | | | R290 | | R290 |

Distance between fittings:

It is recommended to maintain a minimum distance between each fitting to account for the deformation of the tube profile when pressed. This also applies to localised annealing.



| Tube Size | Minimum Clearance F (mm) |
|-----------|--------------------------|
| 15mm | 13 |
| 22mm | 13 |
| 28mm | 13 |
| 35mm | 13 |
| 42mm | 16 |
| 54mm | 20 |
| 66.7mm | 30 |
| 76.1mm | 40 |
| 108mm | 50 |

Dissimilar metals:

Installations containing mixed metals are generally to be avoided. Metals that are not close to each other on the galvanic scale can corrode when connected directly together. If dissimilar metals are required in the same system, we recommend the Water Regulations Guide is adhered to.

Tools approved for use with CORE Tube Press Fittings

It is imperative that matching tools, adaptors, pressing jaws and slings from a single manufacturer are used during installation.

| Manufacturer | Model | Diameters (mm) | Pressing Jaws | Adaptors | Sling |
|--------------|------------|----------------|--------------------|----------------|---------------------------------|
| Novopress | ACO103 | 15 - 28 | PB1 M15 - M28 | — | — |
| | ACO203 | 15 - 35 | PB2 M15 - M35 | — | — |
| | | 42 - 54 | — | ZB203 | PSL M42 - M54 |
| | ACO203XL | 15 - 35 | PB2 M15 - M35 | — | — |
| | | 42 - 54 | — | ZB203 | PSL M42 - M54 |
| | | 66.7 - 76.1 | — | ZB221 | PSL M67 - M76 |
| | | 108 | — | ZB221 + ZB2221 | PSL 108 Copper only PSL M108 |
| Rothenberger | Compact TT | 15 - 28 | Compact M15 - M28 | — | — |
| | Compact 3 | 15 - 35 | Compact M15 - M35 | — | — |
| | Romax 4000 | 15 - 35 | Standard M15 - M35 | — | — |
| | | 42 - 54 | — | ZBS1 | M42 - M54 |
| Rems | Mini-Press | 15 - 28 | M15 - M28 | — | — |
| | Akku-Press | 15 - 28 | M15 - M28 | — | — |

1. ZB221 and ZB222 act as the first and second stages respectively during the two-stage pressing process for M108 collar.

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