



Function

Luxor manufactures a wide range of compression fittings to fit all types of installation. This includes fittings for copper (or mild steel) pipes, polyethylene pipes (polybutene or polypropylene) and multilayer pipes (PEX-AL-PEX).

All internal surfaces are free from galvanic treatments in compliance with Italian regulation D.M. 174 on the transport of drinking water.

Technical data

| | |
|-----------------------------|--|
| Max. working pressure: | 10 bar |
| Max. differential pressure: | 1 bar |
| Max. working temperature: | 120 °C |
| Working fluids: | Water in compliance with UNI 8065:1989 |

Materials

| | |
|--------------------|---------------------------------|
| Nut: | CW 617 N – DW UNI-EN 12165:2016 |
| Components: | CW 614 N – DW UNI-EN 12164:2016 |
| Gaskets: | Peroxide cured EPDM |
| Insulation gasket: | Polyethylene |

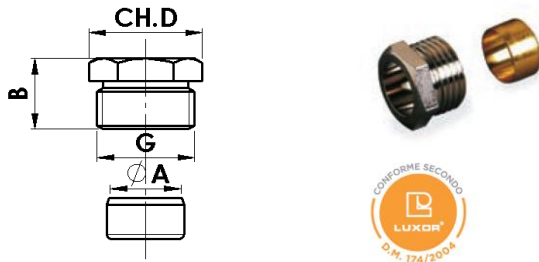
Surface treatment

Nickel-plating (only external)

Dimensional Drawings

TR 92

Compression fitting with brass olive.
Connection G1/2 - copper and mild steel pipe.



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|----|------|
| 67611400 | 14 mm | 14 | 15.5 | - | 21 | G1/2 |
| 67611500 | 15 mm | 15 | 15.5 | - | 21 | G1/2 |

TR 94

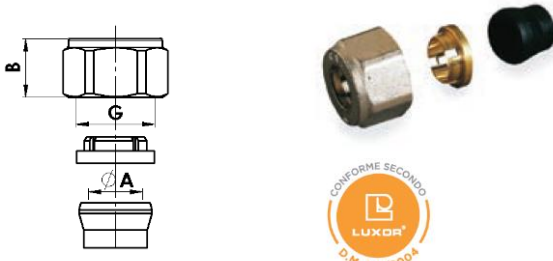
Compression fitting with brass olive and O-ring.
Connection G1/2 - copper and mild steel pipe.



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|---|------|
| 67621500 | 15 mm | 15 | 14.5 | - | - | G1/2 |

TR 91

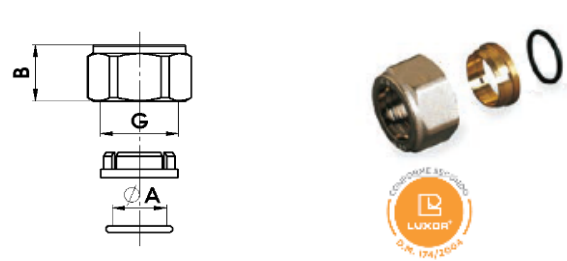
Compression fitting with soft peroxide cured EPDM olive.
Connection W24x19 - copper pipe



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|---|--------|
| 67760010 | 10 mm | 10 | 16.5 | - | - | W24x19 |
| 67760012 | 12 mm | 12 | 16.5 | - | - | W24x19 |
| 67760014 | 14 mm | 14 | 16.5 | - | - | W24x19 |
| 67760015 | 15 mm | 15 | 16.5 | - | - | W24x19 |
| 67760016 | 16 mm | 16 | 16.5 | - | - | W24x19 |

TR 91

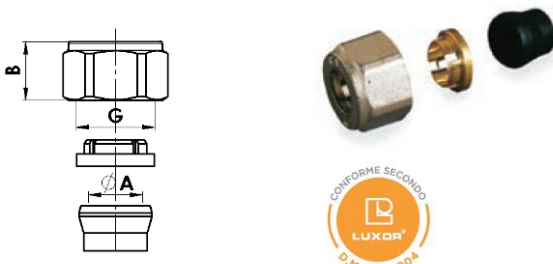
Compression fitting with peroxide cured EPDM O-ring.
Connection W24x19 - copper pipe



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|---|--------|
| 67760018 | 18 mm | 18 | 16.5 | - | - | W24x19 |

TR 91/A

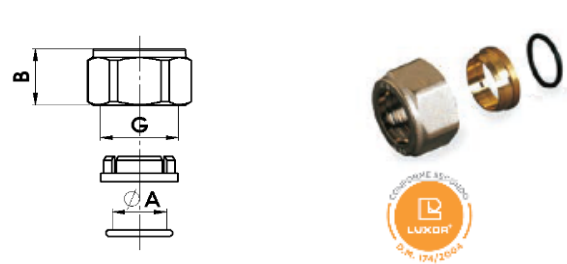
Compression fitting with soft peroxide cured EPDM olive.
Connection 3/4 Eurokonus - copper pipe



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|----|--------|
| 67761000 | 10 mm | 10 | 18.5 | - | 27 | G3/4Ek |
| 67761200 | 12 mm | 12 | 18.5 | - | 27 | G3/4Ek |
| 67761400 | 14 mm | 14 | 18.5 | - | 27 | G3/4Ek |
| 67761500 | 15 mm | 15 | 18.5 | - | 27 | G3/4Ek |
| 67761600 | 16 mm | 16 | 18.5 | - | 27 | G3/4Ek |

TR 91/A

Compression fitting with peroxide cured EPDM O-ring.
Connection 3/4 Eurokonus - copper pipe



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|----|--------|
| 67761800 | 18 mm | 18 | 18.5 | - | 27 | G3/4Ek |

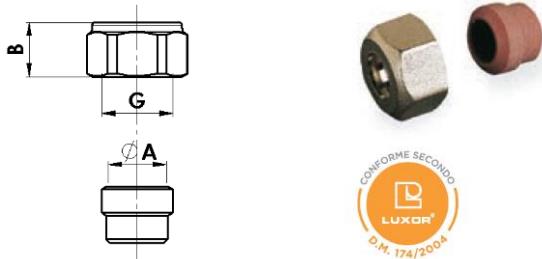
TR 890

Compression fitting with soft PTFE/CV olive.

TP 93

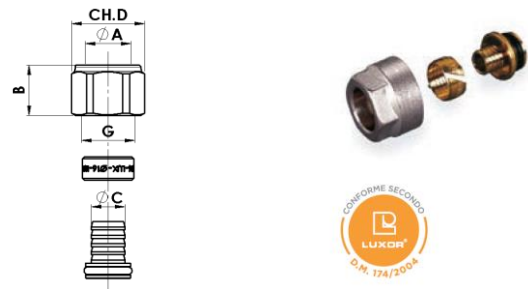
Compression fitting.

Connection G1/2 - copper pipe



| Code | Size | A | B | C | D | G |
|----------|-------|----|------|---|---|------|
| 68720010 | 10 mm | 10 | 14.5 | - | - | G1/2 |
| 68720012 | 12 mm | 12 | 14.5 | - | - | G1/2 |
| 68720014 | 14 mm | 14 | 14.5 | - | - | G1/2 |
| 68720016 | 16 mm | 16 | 14.5 | - | - | G1/2 |

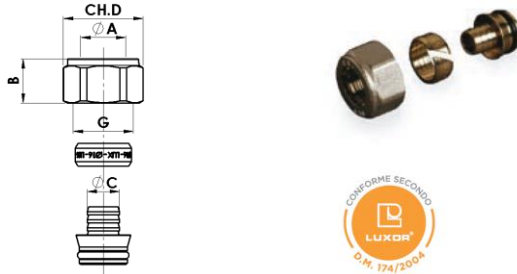
Connection G1/2 - polyethylene, polybutene and polypropylene pipe



| Code | Size | A | B | C | D | G |
|----------|----------|----|------|------|----|------|
| 67801208 | 12 x 2 | 12 | 18.5 | 8 | 26 | G1/2 |
| 67801510 | 15 x 2.5 | 15 | 18.5 | 10 | 26 | G1/2 |
| 67801612 | 16 x 2 | 16 | 18.5 | 12 | 26 | G1/2 |
| 67801616 | 16 x 2.2 | 16 | 18.5 | 11.6 | 26 | G1/2 |

TP 95

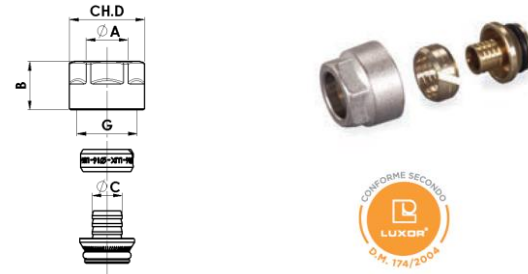
Compression fitting.
Connection W24x19 - polyethylene, polybutene and polypropylene pipe



| Code | Size | A | B | C | D | G |
|----------|-------------|------|------|------|----|--------|
| 67781008 | 10.5 x 1.25 | 10.5 | 16.5 | 8 | 27 | W24x19 |
| 67781210 | 12 x 1 | 12 | 16.5 | 10 | 27 | W24x19 |
| 67781209 | 12 x 1.5 | 12 | 16.5 | 9 | 27 | W24x19 |
| 67781208 | 12 x 2 | 12 | 16.5 | 8 | 27 | W24x19 |
| 67781410 | 14 x 2 | 14 | 16.5 | 10 | 27 | W24x19 |
| 67781511 | 15 x 2 | 15 | 16.5 | 11 | 27 | W24x19 |
| 67781510 | 15 x 2.5 | 15 | 16.5 | 10 | 27 | W24x19 |
| 67781613 | 16 x 1.5 | 16 | 16.5 | 13 | 27 | W24x19 |
| 67781612 | 16 x 2 | 16 | 16.5 | 12 | 27 | W24x19 |
| 67781616 | 16 x 2.2 | 16 | 16.5 | 11.6 | 27 | W24x19 |
| 67781611 | 16 x 2.5 | 16 | 16.5 | 11 | 27 | W24x19 |
| 67781628 | 16 x 2.8 | 16 | 16.5 | 10.4 | 27 | W24x19 |
| 67781713 | 17 x 2 | 17 | 16.5 | 13 | 27 | W24x19 |
| 67781814 | 18 x 2 | 18 | 16.5 | 14 | 27 | W24x19 |
| 67781813 | 18 x 2.5 | 18 | 16.5 | 13 | 27 | W24x19 |
| 67782016 | 20 x 2 | 20 | 20.5 | 16 | 27 | W24x19 |
| 67782017 | 20 x 2.8 | 20 | 20.5 | 14.4 | 27 | W24x19 |
| 67782034 | 20 x 3.4 | 20 | 20.5 | 13.2 | 27 | W24x19 |

TP 98

Compression fitting.
Connection G3/4 Eurokonus - polyethylene, polybutene and polypropylene pipe

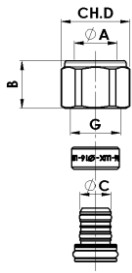


| Code | Size | A | B | C | D | E |
|----------|----------|----|------|------|----|--------|
| 67841007 | 10 x 1.2 | 10 | 18.5 | 7.6 | 27 | G3/4Ek |
| 67841209 | 12 x 1.5 | 12 | 18.5 | 9 | 27 | G3/4Ek |
| 67841208 | 12 x 2 | 12 | 18.5 | 8 | 27 | G3/4Ek |
| 67841410 | 14 x 2 | 14 | 18.5 | 10 | 27 | G3/4Ek |
| 67841510 | 15 x 2.5 | 15 | 18.5 | 10 | 27 | G3/4Ek |
| 67841613 | 16 x 1.5 | 16 | 18.5 | 13 | 27 | G3/4Ek |
| 67841618 | 16 x 1.8 | 16 | 18.5 | 12.4 | 27 | G3/4Ek |
| 67841612 | 16 x 2 | 16 | 18.5 | 12 | 27 | G3/4Ek |
| 67841616 | 16 x 2.2 | 16 | 18.5 | 11.6 | 27 | G3/4Ek |
| 67841713 | 17 x 2 | 17 | 18.5 | 13 | 27 | G3/4Ek |
| 67841814 | 18 x 2 | 18 | 18.5 | 14 | 27 | G3/4Ek |
| 67842016 | 20 x 2 | 20 | 18.5 | 16 | 27 | G3/4Ek |
| 67842028 | 20 x 2.8 | 20 | 18.5 | 14.4 | 27 | G3/4Ek |
| 67842034 | 20 x 3.4 | 20 | 18.5 | 13.2 | 27 | G3/4Ek |

TP 96

Compression fitting.

Connection G1/2 - PEX-AL-PEX multilayer pipe

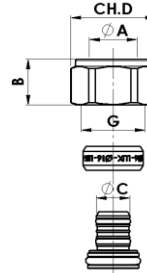


| Code | Size | A | B | C | D | G |
|----------|-----------|----|------|------|----|------|
| 67871410 | 14 x 2 | 14 | 18.5 | 10 | 24 | G1/2 |
| 67871612 | 16 x 2 | 16 | 18.5 | 12 | 24 | G1/2 |
| 67871611 | 16 x 2.25 | 16 | 18.5 | 11.5 | 24 | G1/2 |

TP 97

Compression fitting.

Connection W24x19 - PEX-AL-PEX multilayer pipe

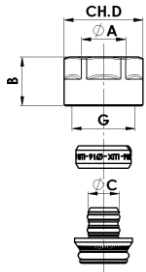


| Code | Size | A | B | C | D | E |
|----------|-----------|------|------|------|----|--------|
| 67821410 | 14 x 2 | 14 | 16.5 | 10 | 27 | W24x19 |
| 67821612 | 16 x 2 | 16 | 16.5 | 12 | 27 | W24x19 |
| 67821611 | 16 x 2.25 | 16 | 16.5 | 11.5 | 27 | W24x19 |
| 67821626 | 16.2 x 3 | 16.2 | 16.5 | 10.5 | 27 | W24x19 |
| 67821711 | 17 x 2.75 | 17 | 16.5 | 11.5 | 27 | W24x19 |
| 67821713 | 17 x 2 | 17 | 16.5 | 13 | 27 | W24x19 |
| 67821712 | 17 x 2.5 | 17 | 16.5 | 12 | 27 | W24x19 |
| 67821814 | 18 x 2 | 18 | 16.5 | 14 | 27 | W24x19 |
| 67822016 | 20 x 2 | 20 | 20.5 | 16 | 27 | W24x19 |
| 67822017 | 20 x 2.25 | 20 | 20.5 | 15.5 | 27 | W24x19 |
| 67822015 | 20 x 2.5 | 20 | 20.5 | 15 | 27 | W24x19 |
| 67822014 | 20 x 3 | 20 | 20.5 | 14 | 27 | W24x19 |

TP 99

Compression fitting.

Connection 3/4 Eurokonus - PEX-AL-PEX multilayer pipe

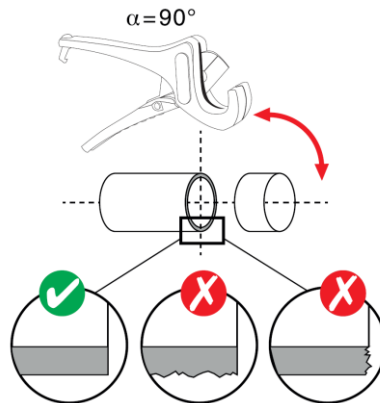


| Code | Size | A | B | C | D | G |
|----------|------------|------|------|------|----|--------|
| 67861210 | 12.2 x 1.3 | 12.2 | 18.5 | 10 | 27 | G3/4Ek |
| 67861410 | 14 x 2 | 14 | 18.5 | 10 | 27 | G3/4Ek |
| 67861512 | 15 x 1.5 | 15 | 18.5 | 12 | 27 | G3/4Ek |
| 67861612 | 16 x 2 | 16 | 18.5 | 12 | 27 | G3/4Ek |
| 67861611 | 16 x 2.25 | 16 | 18.5 | 11.5 | 27 | G3/4Ek |
| 67861610 | 16.2 x 3 | 16.2 | 18.5 | 10.5 | 27 | G3/4Ek |
| 67861713 | 17 x 2 | 17 | 18.5 | 13 | 27 | G3/4Ek |
| 67861712 | 17 x 2.5 | 17 | 18.5 | 12 | 27 | G3/4Ek |
| 67861711 | 17 x 2.75 | 17 | 18.5 | 11.5 | 27 | G3/4Ek |
| 67861814 | 18 x 2 | 18 | 18.5 | 14 | 27 | G3/4Ek |
| 67862016 | 20 x 2 | 20 | 18.5 | 16 | 27 | G3/4Ek |
| 67862017 | 20 x 2.25 | 20 | 18.5 | 15.5 | 27 | G3/4Ek |
| 67862015 | 20 x 2.5 | 20 | 18.5 | 15 | 27 | G3/4Ek |
| 67862014 | 20 x 3 | 20 | 18.5 | 10.5 | 27 | G3/4Ek |

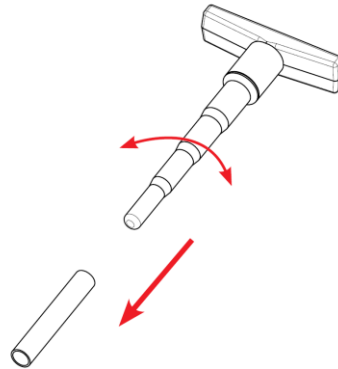
Working Instructions

To avoid inconveniences caused by an improper installation, which could be very costly, it is advisable to follow the below instructions:

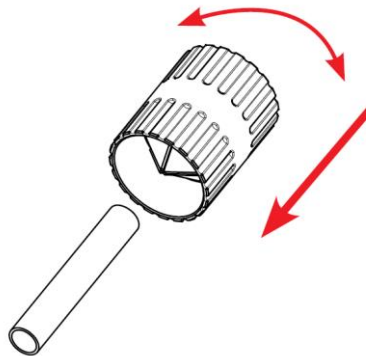
- **How to prepare the pipe.**



1. Cutting the pipe. For a correct cut, use suitable shears so as to avoid the ovalization of the pipe and take care that the cut is perpendicular to the pipe axis.



2. Calibration. This operation guarantees to obtain a correct internal diameter.



3. Flaring. This operation creates an internal chamfer which eases the insertion of the fitting in the pipe and avoids the displacement of the O-rings from their seat.

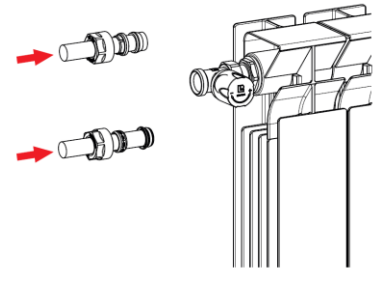
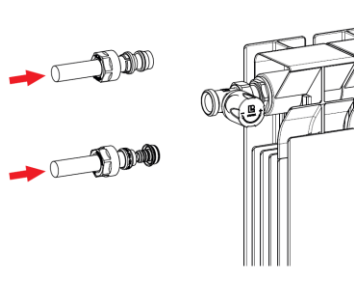
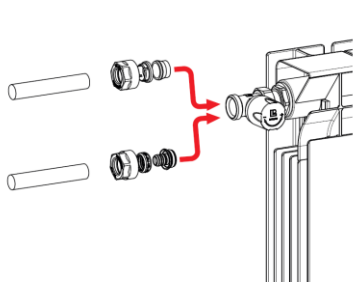
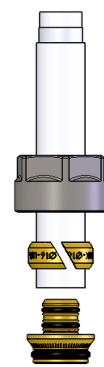
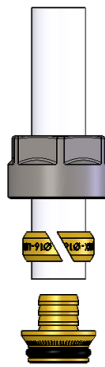
- **Correct assembly of the compression fitting**

Assemble the parts of the fitting in the same order and direction shown in the pictures.

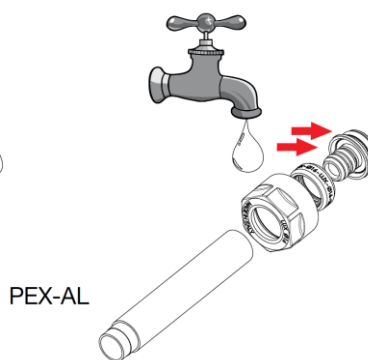
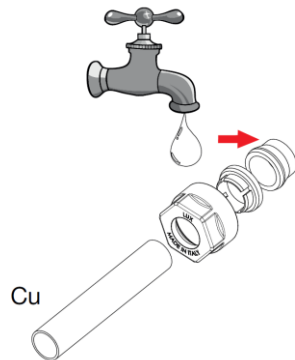
Fittings for copper pipe TR 91/AC

Fittings for plastic pipe TP 98/C

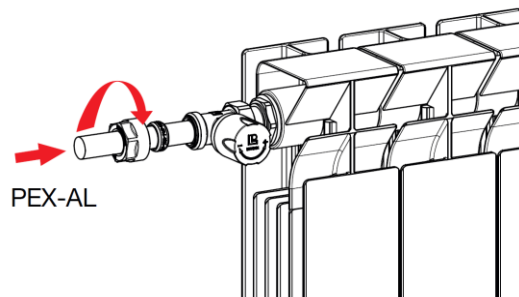
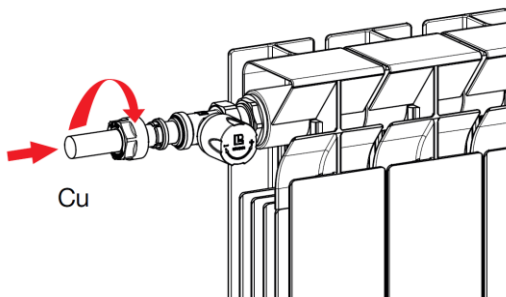
Fittings for multilayer pipe TP 99/C



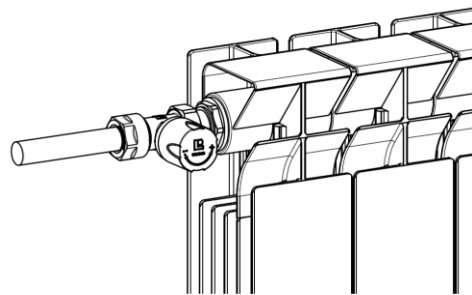
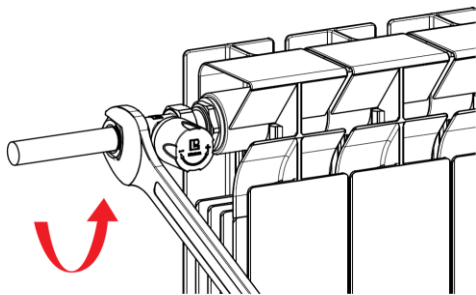
Insert the pipe with its rubber holder inside the fitting, making sure that this part is clean and avoiding to pinch the O-ring.



Do not lubricate the rubber parts with oil or mineral based grease: the EPDM compound is compatible only with silicone based lubricants. To avoid any possible mistake, it is advisable to lubricate these parts simply with water.



Insert the nut and screw it manually as much as possible and then with a CH 110 key.



For a correct use of the fittings it is necessary to observe the below chart concerning the nuts torque according to the type of fitting and the type of pipe.

| MISURA TUBO TUBE SIZE | RAME RICOTTO ANNEALED COPPER | RAME SEMIDURO SEMI-SOFT COPPER | ACCIAIO DOLCE MILD STEEL | POLIETILENE POLIPROPILENE POLIBUTENE POLYETHYLENE, POLYPROPYLENE POLYBUTENE | MULTISTRATO PEX-AL-PEX MULTILAYER PEX-AL-PEX |
|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|---|
| Fino a / Up to Ø 18 mm | Da 35 a 45 Nm from 35 to 45 Nm | Da 60 a 80 Nm from 60 to 80 Nm | Da 60 a 70 Nm from 60 to 70 Nm | Da 30 a 40 Nm from 30 to 40 Nm | Da 25 a 35 Nm from 25 to 35 Nm |
| Oltre / Above Ø 18 mm | - | - | - | Da 40 a 50 Nm from 40 to 50 Nm | Da 25 a 35 Nm from 25 to 35 Nm |

Item Specifications

TR 92

Fitting for copper or mild steel pipe for continuous high temperature use. G1/2 male thread.

TR 94

Fitting for copper or mild steel pipe for continuous high temperature use. G1/2 male thread.

TR 890

Fitting for copper pipe for continuous high temperature use. G1/2 thread.

TR 91

Fitting for copper pipe for continuous high temperature use. W24x19 thread.

TR 91/A

Fitting for copper pipe for continuous high temperature use. G3/4 Eurokonus thread.

TP 93

Fitting for polyethylene, polybutene and polypropylene pipe for continuous high temperature use. G1/2 thread.

TP 95

Fitting for polyethylene, polybutene and polypropylene pipe for continuous high temperature use. W24x19 thread.

TP 98

Fitting for polyethylene, polybutene and polypropylene pipe for continuous high temperature use. G3/4 Eurokonus thread.

TP 96

Fitting for multilayer pipe for continuous high temperature use. G1/2 thread.

TP 97

Fitting for multilayer pipe for continuous high temperature use. W24x19 thread.

TP 99

Fitting for multilayer pipe for continuous high temperature use. G3/4 Eurokonus thread.



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