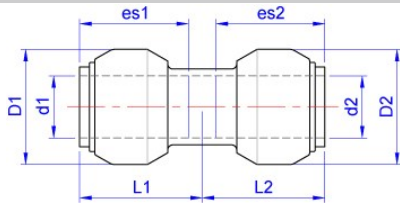




# Tectite

Slip coupling, push-fit x push-fit

TS1S/TS270S Coupling



| Code  | Description      | d1 | d2 | l1 | l2 | D1 | D2 | es1 | es2 |
|-------|------------------|----|----|----|----|----|----|-----|-----|
| 25141 | 15mm TS1S/TS270S | 15 | 15 | 25 | 25 | 26 | 26 | 24  | 24  |
| 25142 | 18mm TS1S/TS270S | 18 | 18 | 25 | 25 | 29 | 29 | 24  | 24  |
| 25143 | 22mm TS1S/TS270S | 22 | 22 | 30 | 30 | 34 | 34 | 29  | 29  |
| 25144 | 28mm TS1S/TS270S | 28 | 28 | 33 | 33 | 42 | 42 | 32  | 32  |

*Pegler Yorkshire reserve the right to change specifications*

### Pegler Yorkshire Tectite Sprint, Classic, Pro and 316 Guarantee - Terms and Conditions

Products are subject to a guarantee that is between Pegler Yorkshire and the final purchaser of the product. When correctly assembled with the stated tubes and pipe the length of guarantee is as follows:

**25 Years** Where Tectite Sprint, Tectite Classic, Tectite Pro and Tectite 316 fittings, Tectite-PEX barrier pipe and 316 System tube are installed in pipelines with products from other manufacturers, they are guaranteed for 25 years.

**30 Years** Where pipelines are constructed exclusively using Tectite fittings and recommended tubes, the resulting installations will be deemed Tectite Systems and qualify for a 30 year guarantee.

Qualifying systems are:

- Tectite Sprint fittings with Yorkex copper tube and/or Tectite-PEX pipe
- Tectite Classic fittings with Yorkex copper tube and/or Tectite-PEX pipe
- Tectite Pro fittings with Yorkex copper tube and/or Tectite-PEX pipe
- Tectite 316 fittings and stainless steel 316 System tube.

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects when installed in accordance with our instructions on specified tube materials and applications, and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the Guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble-free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

The extent of this liability is limited to the cost of the replacement of the defective item and not to installation or consequential damages.

| Tectite Fitting | Tube/pipe used with | Min temperature |               |               | Max temperature |
|-----------------|---------------------|-----------------|---------------|---------------|-----------------|
| 316 up to 28mm  | Stainless Steel     | -24°C at 20bar  | 30°C at 20bar | 65°C at 16bar | 114°C at 10bar  |
| 316 over 35mm   | Stainless Steel     | -24°C at 16bar  | 30°C at 16bar | 65°C at 10bar | 90°C at 6bar    |



**Pressure Loss Tables: Stainless Steel Water**

#### Care

No regular aesthetic care is required for this product

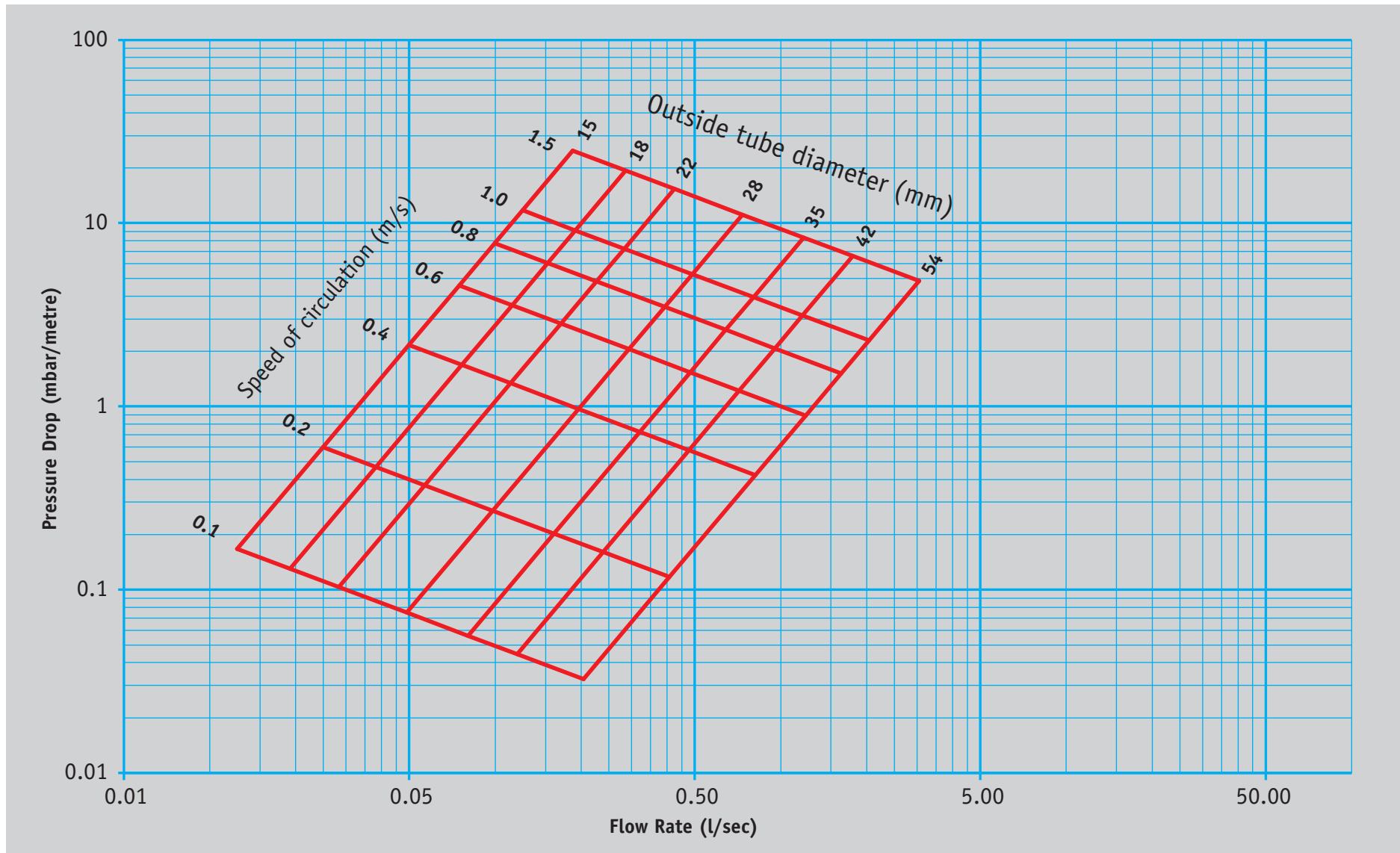
#### Maintenance

No regular maintenance is required for this product.

For any further help please contact the Service Support Team on: 0800 1560050.

| Component      | Material              |
|----------------|-----------------------|
| Body           | Stainless steel (316) |
| O ring         | EPDM                  |
| Pipe guide     | Glass filled nylon 6  |
| Demount collar | Brass tin plated      |
| Grab ring      | Stainless steel       |

Pegler Yorkshire Group Ltd, St Catherine's Ave, Doncaster, S Yorkshire, DN4 8DF  
Telephone: Phone +44 (0) 844 243 4400 Fax: +44 (0) 844 243 9870 Website: [www.pegler.yorkshire.co.uk](http://www.pegler.yorkshire.co.uk)  
Registered office : Pegler Yorkshire Group Ltd, St Catherine's Ave, Doncaster, S Yorkshire, DN4 8DF Company no : 00401507

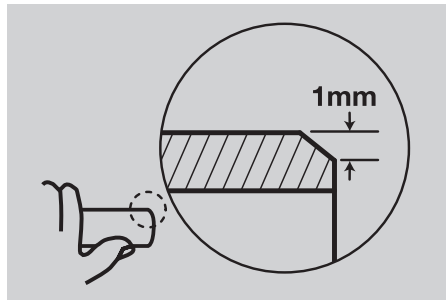


### For joints 10 to 54mm

Always cut the tube square, using a rotary tube cutter whenever possible. Ensure the cutter wheel appropriate for the material been cut (Carbon steel requires a higher grade of cutter wheel, Pegler Yorkshire recommend using the TC155 with a REMS Cento)

If you are using PEX or PB pipe cut the pipe using pipe shears. When using plastic coated carbon steel tube remove the coating using the S115 stripping tool.

Deburr the tube end, both internally and externally to create a 1mm chamfer on the outside of the tube.



Check the tube ends are free from damage and clean, wiping away any swarf to avoid damaging the 'O' ring on tube insertion. Tube end must also be free from stickers, tape and adhesive residues.

Where using PEX or PB you must use always insert a support liner ensuring it is the correct liner as specified by the pipe manufacturer. If the pipe has been used on previous installations you will need to cut it back to behind the teeth or score marks.

Mark the socket depth with a marker.

#### Fitting socket depths for Tectite:

| Size | Sprint | Classic, PRO & 316 | Carbon |
|------|--------|--------------------|--------|
| 10mm | 15mm   | 23mm               | -      |
| 12mm | 17mm   | 23mm               | -      |
| 15mm | 16mm   | 23mm               | 28mm   |
| 18mm | -      | 23mm               | 28mm   |
| 22mm | 19mm   | 27mm               | 30mm   |
| 28mm | 20mm   | 31mm               | 32mm   |
| 35mm | -      | 57mm               | 40mm   |
| 42mm | -      | 62mm               | 42mm   |
| 54mm | -      | 68mm               | 45mm   |

For chrome plated copper tube you must scribe the tube using the correct Tectite Scribing tool.

Select the correct type and size of fitting for pipework.

The fitting should be kept in its bag until point of use to protect the 'O' ring.

Check the fitting ensuring the grab rings/'O'rings have not been contaminated with grit or debris.

Insert the tube/pipe firmly with a slight twisting action until it reaches the tube stop with a positive "click".

Ensure the depth insertion mark corresponds with the mouth of the fitting, then pull firmly on the tube/pipe to ensure the fitting is secure.

**Note: Tectite Sprint and Tectite Carbon fittings must not be used with male ended fittings from other Tectite ranges (except T526S). Other third party male ended products should not be used with any Tectite fittings.**

**Do not use Tectite fittings on gas services.**

**Tectite Classic fittings do not provide electrical continuity, other Tectite fittings only provide electrical continuity when installed with metal tube.**

### De-mounting Tectite fittings

| Range   | De-mountability |
|---------|-----------------|
| Sprint  | No              |
| Classic | Yes             |
| PRO     | Yes             |
| 316     | Yes             |
| Carbon  | No              |

### For sizes 10mm to 28mm

Place the forks of the disconnecting tool around the fitting assembly. The fork side carrying the Tectite brand logo should be positioned around the tube/pipe with the opposite side around the neck of the fitting.

Squeeze the disconnecting tool with one hand until the release collar in the fitting is compressed. With the other hand, twist out the tube/pipe using the thumb as a lever against the tool to assist disconnection.

Check the fitting and tube/pipe for damage before remaking the joint.

The plastic disconnecting clip may be used where only an occasional disconnecting facility is needed.

### For sizes 35mm to 54mm

Have replacement parts for the discarded items ready for insertion. Using a spanner on the fitting flats to prevent the fitting from rotating, insert the Tectite DTX end cap tool into the slots in the end cap. Turn the tool anti-clockwise to unscrew the end cap and slide it along the tube away from the fitting body.

Pull the tube out of the fitting body.

Remove and discard the 'O' ring.

Remove and retain the alignment ring.

Snip off the grab ring with side cutters and discard. Before re-assembly replace the discarded parts, Tectite Pro grab rings (TX105) and Tectite 316 grab rings (TS106) these are not interchangeable.

The components must be clean and the 'O' ring lubricated using S130 Silicone lubricant. Replace the components in the correct order, as shown, and check they are fully seated in the fitting body.



Screw the end cap back into the fitting until hand tight. If resistance is felt and the end cap is not flush with the fitting body, remove the end cap and ensure the grab ring is fully located i.e. fully in contact with the alignment ring. Again screw the end cap into the fitting until hand tight. Temporarily insert a 300mm length of deburred tube into the fitting BUT NOT THROUGH the grab ring to help locate the demount tool. Tighten the end cap a further 8mm to 10mm (radically). Remove the tube.

Before reinstalling the fitting back into the system, check the end of the tube for damage. If the tube is scored or damaged, remove the affected section with a tube cutter and prepare the tube end as described in preliminaries and tube preparation.

### The advantages of Tectite

- A totally heat-free jointing solution
- Major reductions in installation times provides major installed cost savings
- No need for hot works permits or additional costly insurance
- Sizes from 10mm up to 54mm
- Systems have an exceptionally clean bore with no flux residues
- System guarantees\* of up to 30 Years for Tectite Sprint, Tectite Classic, Tectite Pro Tectite 316 and 20 Years for Tectite Carbon and Tectite Flexifit connectors

| Tectite Fitting        | Tube/Pipe used with | Min Performance |        | Max Performance |        |
|------------------------|---------------------|-----------------|--------|-----------------|--------|
| Classic                | Copper              | -24°C           | 30°C   | 65°C            | 95°C   |
|                        |                     | 16 bar          | 16 bar | 10 bar          | 6 bar  |
| Sprint & Classic       | PEX & PB            | -20°C           | 20°C   | 65°C            | 92°C   |
|                        |                     | 12 bar          | 12 bar | 6 bar           | 3 bar  |
| Sprint & PRO upto 28mm | Copper              | -24°C           | 30°C   | 65°C            | 114°C  |
|                        |                     | 20 bar          | 20 bar | 16 bar          | 10 bar |
| PRO over 35mm          | Copper              | -24°C           | 30°C   | 65°C            | 90°C   |
|                        |                     | 16 bar          | 16 bar | 10 bar          | 6 bar  |
| 316 upto 28mm          | Stainless steel     | -24°C           | 30°C   | 65°C            | 114°C  |
|                        |                     | 20 bar          | 20 bar | 16 bar          | 10 bar |
| 316 over 35mm          | Stainless steel     | -24°C           | 30°C   | 65°C            | 90°C   |
|                        |                     | 16 bar          | 16 bar | 10 bar          | 6 bar  |
| Carbon                 | Carbon Steel        | -24°C           | 30°C   | 65°C            | 114°C  |
|                        |                     | 20 bar          | 20 bar | 16 bar          | 10 bar |



CERT

# DVGW-Baumusterprüfzertifikat

## DVGW type examination certificate

**DW-8511BO0199**

Registration Number  
Registriernummer

|   |   |
|---|---|
| <b>Field of Application</b><br><i>Anwendungsbereich</i> | products of water supply<br><i>Produkte der Wasserversorgung</i>  |
| <b>Owner of Certificate</b><br><i>Zertifikatinhaber</i> | Pegler Yorkshire Group Ltd.<br>Haigh Park Road, GB- Stourton; Leeds LS10 1RT  |
| <b>Distributor</b><br><i>Vertreiber</i>                 | Pegler Yorkshire Group Ltd.<br>Haigh Park Road, GB- Stourton; Leeds LS10 1RT  |
| <b>Product Category</b><br><i>Produktart</i>            | installation systems and system joints: pipe joint for pipes in drinking water installation systems (8511)  |
| <b>Product Description</b><br><i>Produktbezeichnung</i> | push connector type M-MM, made of stainless steel for pipes made of stainless steel according to DVGW GW 541 and pipes made of copper according to DVGW GW 392 (semi-hard, R 250 or hard, R 290)  |
| <b>Model</b><br><i>Modell</i>                           | Tectite 316   |
| <b>Test Reports</b><br><i>Prüfberichte</i>              | supplement test: 120004471 from 25.09.2014 (MPM)<br>laboratory control test: 120001607-12 L from 10.07.2012 (MPM)<br>laboratory control test: 120001607-12 B from 10.07.2012 (MPM)<br>type testing: 22 0002907 from 22.12.2003 (MPM)<br>KTW testing: K-235415-13-Bs/st from 15.10.2013 (WHY)<br>hygienic testing: MO 272/10 from 24.06.2011 (TZW) |
| <b>Test Basis</b><br><i>Prüfgrundlagen</i>              | DVGW W 534 (01.05.2004)<br>BGA KTW (12.12.1985)<br>DVGW W 270 (01.11.2007)  |

**Date of Expiry / File No.** 18.06.2018 / 14-0442-WNA  
**Ablaufdatum / Aktenzeichen**

14.01.2015 GI A-1/2

Date, issued by, Sheet, Head of Certification Body  
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle

DVGW CERT GmbH is an accredited body by DAkkS according to EN 45011:1998 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN 45011:1998 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.



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Zertifizierungsstelle

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info@dvgw-cert.com

# WRAS<sup>®</sup>

Water Regulations Advisory Scheme

*This certifies that*

**PEGLER YORKSHIRE GROUP LTD.**

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*has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations/Scottish Water Byelaws.*

**TECTITE 316 RANGE OF STAINLESS STEEL PUSH-FIT FITTINGS FOR USE WITH STAINLESS STEEL PIPES**

*This certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))*

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*The product so mentioned will be listed in the Water Fittings and Materials Directory for a period until:*

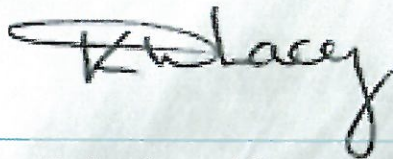
**31 MARCH 2019**

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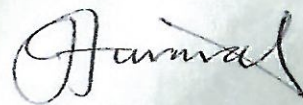
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*Certificate No.*



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*Chairman, Product Approval Group*



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*Secretary*

**WRAS**  
APPROVED  
PRODUCT

**GODKENDELSESINDEHAVER:**  
Pegler Yorkshire Ltd.  
St. Catherines Avenue  
GB-DN4 8DF Doncaster  
Telefon +44 113 2701104  
Telefax: +44 113 2725291  
Internet: pegleryorkshire.co.uk

**Dokumentation af mekaniske/fysiske karakteristika for:**  
**Stikfittings til kobberør og PEX-rør**  
**TECTITE CLASSIC og TECTITE 316**  
**dim. 10 – 28 mm**

**FABRIKAT:**  
Pegler Yorkshire Limited, England

**MÆRKNING:**

- Fabrikantmærke: TECTITE
- Dimension
- Godkendelsesnummer
- Godkendelsesmærke: 

**KVALITETSKONTROL:**

Godkendelsesindehaver opretholder  
Obligatorisk kontrolaftale med  
Teknologisk Institut, Aarhus.

Der er med denne godkendelse alene taget stilling til Bygningsreglementets krav om dokumentation af de mekaniske/fysiske karakteristika jf. § 8.4.1, stk. 5.

Godkendelsesindehaver er pligtig til, jf. Bygningsreglementets krav jf. § 8.2.4.2, stk. 2, at byggevaren er godkendt af Energistyrelsen, ifølge bekendtgørelse om udstedelse af godkendelser for byggevarer i kontakt med drikkevand.

**BETINGELSER FOR MONTERING OG BRUG:**

Højeste forekommende driftstryk i installationen må ikke overstige 1000 kPa.

For rør i bygning skal samlingerne være udskiftelige og anbragt, så de er fritliggende, eller monteret i udsparinger eller foringsrør på en måde, så eventuelle utætheder umiddelbart kan konstateres.

TECTITE stikfittings anvendes i brugsvandsinstallationer til samling af hårde og bløde kobberør i dimensionerne 10 – 28 mm samt PEX-rør i dimensionerne 12 – 28 mm.

Ved samling af bløde kobberør og PEX-rør skal den til koblingen hørende støttebøsning anvendes.

Samlingen udføres i øvrigt i overensstemmelse med godkendelsesindehaverens monteringsvejledning.

**BESKRIVELSE OG TEKNISKE DATA:**

|           |   |
|-----------|---|
| Udførelse | Koblingen består af 6 dele, koblingshus, tætningsring, støttering, låsering og udløserring. Låseringen er konisk og radielt opslidset, så der dannes tænder mod centrum. Efter indstikning af kobberøret fastholdes dette af låseringens tænder. Samlingen kan demonteres ved at presse udløserringen ind i koblingen, hvorved låseringens tænder frigøres. |
| Materiale | Koblings hus er af afzinkningsbestandigt messing, rustfrit stål (AISI 316) eller rødgoods, låsering er af stål, tætningsring er af EPDM-gummi, støttering og udløserring er af plast.   |
| Dimension | Hårde og bløde kobberør: 10 – 28 mm<br>Forkromede kobberør: 10 – 15 mm<br>PEX-rør: 12 – 28 mm   |

  
Thomas Bruun