

# VSH Tectite

Obtuse elbow push-fit x push-fit

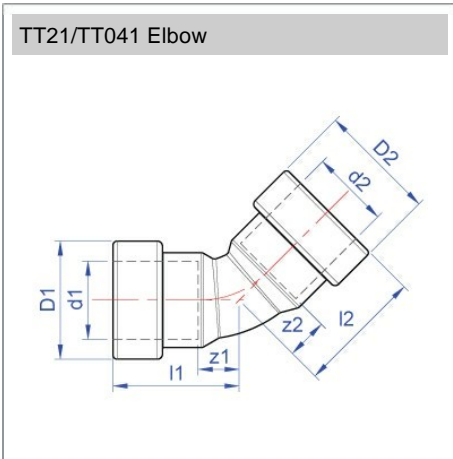
TT21/TT041 Elbow



## General Information

Size	Pattern No.	Pack		Code	Barcode	Price (£) each ex VAT	Disc(Out Stock)
		1 Qty	2 Qty				
15mm	TT21/TT041	10	150	<u>75551</u>	5022050190628	£2.70	
16mm	TT21/TT041	10	150	<u>75703</u>	5022050181855	£5.83	
18mm	TT21/TT041	5	100	<u>75704</u>	5022050182050		Discontinued 16/02/2021
22mm	TT21/TT041	5	80	<u>75552</u>	5022050190963	£3.69	
28mm	TT21/TT041	5	40	<u>75553</u>	5022050191328	£11.12	
35mm	TT21/TT041	5	15	<u>75927</u>	5022050367327	£15.84	
42mm	TT21/TT041	1	8	<u>75928</u>	5022050573322	£26.35	
54mm	TT21/TT041	1	4	<u>75929</u>	5022050573339	£37.49	

TT21/TT041 Elbow



## Dimensions

Code	Description	d1	d2	l1	l2	D1	D2	z1	z2
75551	15mm TT21/TT041	15	15	28	28	22	22	12	12
75703	16mm TT21/TT041	16	16	28	28	23	23	13	13
75552	22mm TT21/TT041	22	22	34	34	30	30	17	17
75553	28mm TT21/TT041	28	28	44	44	37	37	22	22
75927	35mm TT21/TT041	35	35	57	57	46	46	17	17
75928	42mm TT21/TT041	42	42	62	62	54	54	20	20
75929	54mm TT21/TT041	54	54	72	72	67	67	27	27

Pegler Yorkshire reserve the right to change specifications

## Guarantee

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

Products are subject to a guarantee that is between Pegler 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.

## Pressure and Temperature

<b>Tectite Fitting</b>	<b>Tube/pipe used with</b>	<b>Min temperature</b>			<b>Max temperature</b>
Sprint	Copper	-24°C* at 20bar	30°C at 20bar	65°C at 16bar	114°C at 10bar
Sprint	PB/PEX	-20°C* at 12bar	20°C at 12bar	65°C at 6bar	92°C at 3bar



**Pressure Loss Tables: Copper Water**

## Care and Maintenance

### **Care**

No regular aesthetic care is required for this product

### **Maintenance**

No regular maintenance is required for this product.

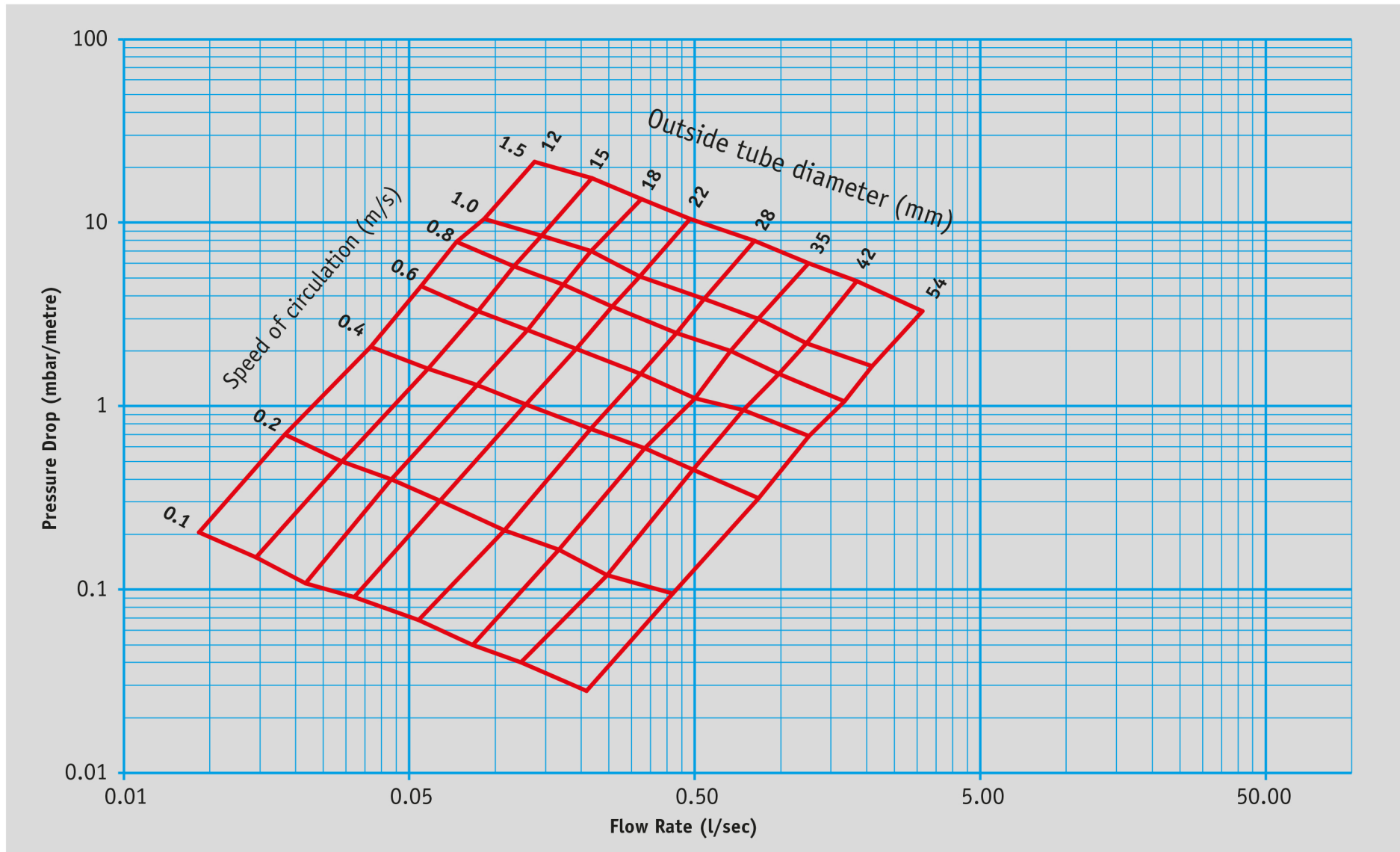
For any further help please contact the Service Support Team on: 0800 1560050.

## Materials

<b>Component</b>	<b>Material</b>
Body	Copper
'O' ring	EPDM
Pipe guide	Glass filled nylon 6
Grab ring	Stainless steel
Protection ring	Nylon

# VSH Tectite

Flow charts - Head loss/Pressure loss  
When used with copper tube



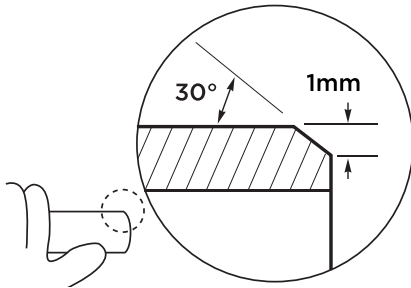
# installation instructions

## for joints 10mm to 54mm

Always cut the tube square, using a rotary tube cutter whenever possible. Ensure the cutter wheel appropriate for the material been cut.

If you are using PEX or PB pipe cut the pipe using pipe shears.

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.

When using PEX or PB pipe you must 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 on the pipe with a marker.

## fitting socket depths for VSH Tectite

Size	Sprint	*Classic, Pro & 316
10mm	15mm	23mm
15mm	16mm	23mm
22mm	18mm	27mm
28mm	20mm	31mm
35mm	-	57mm
42mm	-	62mm
54mm	-	68mm

\*Classic only available up to 28mm

For chrome plated copper tube you must scribe the tube using the correct VSH 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:

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

Do not use VSH Tectite fittings on gas services.

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

## de-mounting VSH Tectite fittings

Range	De-mountability
Sprint	No
Classic	Yes
Pro	Yes
316	Yes

## for sizes 10mm to 28mm

Place the forks of the disconnecting tool around the fitting assembly. The fork side carrying the VSH 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 VSH 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, VSH Tectite Pro grab rings (TX105) and VSH 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 VSH 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 VSH Tectite Sprint, VSH Tectite Classic, VSH Tectite Pro VSH Tectite 316 and 20 Years for VSH Tectite Flexifit connectors

Last revised 01 August 2012

\*The definition of what constitutes a VSH Tectite System can be found in the Guarantee section of the VSH Tectite databook

VSH Tectite fitting	Tube/pipe used with	Min performance		Max performance	
Classic	Copper	-24°C 16 bar	30°C 16 bar	65°C 10 bar	95°C 6 bar
Sprint & Classic	PEX & PB	-20°C 12 bar	20°C 12 bar	65°C 6 bar	92°C 3 bar
Sprint & Pro up to 28mm	Copper	-24°C 20 bar	30°C 20 bar	65°C 16 bar	114°C 10 bar
Pro over 35mm	Copper	-24°C 16 bar	30°C 16 bar	65°C 10 bar	90°C 6 bar
316 upto 28mm	Stainless steel	-24°C 20 bar	30°C 20 bar	65°C 16 bar	114°C 10 bar
316 over 35mm	Stainless steel	-24°C 16 bar	30°C 16 bar	65°C 10 bar	90°C 6 bar

## further details

### Aalberts Integrated Piping Systems Ltd

St. Catherine's Avenue / Doncaster

South Yorkshire / DN4 8DF / England

**tel:** +44 (0) 800 1560 050

**email:** [technical@aalberts-ips.com](mailto:technical@aalberts-ips.com)

[www.pegler.co.uk](http://www.pegler.co.uk)



*This certifies that*

**AALBERTS INTEGRATED PIPING SYSTEMS LTD.**

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*has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.*

*Model Numbers*

**'TECTITE SPRINT' RANGE OF PUSHFIT FITTINGS  
(FOR  
MODELS AND SIZES COVERED BY THE SCOPE OF THIS  
APPROVAL PLEASE CONSULT THE WRAS ONLINE DIRECTORY  
AND/OR ACCOMPANYING WRAS APPROVAL LETTER)**

*The 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 Approvals Directory ([www.wras.co.uk/directory](http://www.wras.co.uk/directory))*

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*The product so mentioned will be valid until the end of:*

**January 2027**

*Certificate No.*

**2201049**

A handwritten signature in blue ink, appearing to read 'Ian Hughes', written in a cursive style.

Ian Hughes,  
WRAS Approvals Manager



9<sup>th</sup> May 2022

Aalberts Integrated Piping Systems Ltd.  
St. Catherines Avenue  
Doncaster  
South Yorkshire  
United Kingdom  
DN4 8DF

Water Regulations Approval Scheme Ltd.  
Unit 13, Willow Road,  
Pen y Fan Industrial Estate,  
Crumlin,  
Gwent,  
NP11 4EG

## Approval Number 2201049

Dear Sir/Madam

Production samples of the products described in the **Approval Information** section below ("Products"), have been subjected to the relevant mechanical and water quality tests as defined in Regulation 4 (2) and Schedule 2 to demonstrate a product is of an **appropriate quality or standard** for the purposes of a WRAS Approval application.

1. After considering the test reports and examining the Product/s, The Water Regulations Approval Scheme Ltd. ("WRAS Ltd" / "WRAS") finds that:  
The product is of an appropriate quality and standard as defined in The Water Supply (Water Fittings) Regulations 1999, The Water Supply (Water Fittings) (Scotland) Byelaws 2014, The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009 and all other applicable WRAS requirements,  
The non-metallic materials of construction, in contact with the water, are suitable for contact with wholesome water intended for domestic purposes having met the requirements of BS 6920-1: 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.  
WRAS Approvals are granted subject to, and in accordance with, the Standard Terms and Conditions of WRAS Approvals Schemes (WRAS.Cust-401) as amended from time to time ("Standard Terms of Approval").  
You have confirmed your acceptance of the Standard Terms of Approval by submitting your application for WRAS Approval. A copy of the current Standard Terms of Approval are available from the WRAS website: [www.wrasapprovals.co.uk](http://www.wrasapprovals.co.uk).  
Terms defined in the Standard Terms of Approval shall have the same meaning in this letter unless the context otherwise requires.
3. Installation Requirements & Notes (IRNs) are set out in Appendix A. A Product only qualifies for Approval if WRAS is satisfied that the relevant Product complies with Regulation 4(1)(a) and the requirements of the Scheme when installed in accordance with the manufacturer's instructions and any applicable Approval Scheme Installation Requirements and Notes.  
Since the incorrect installation of Products will not be within the scope of an approval and may result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any IRNs applied.**
4. Please note that the use of the Products described in any particular area of supply is at the discretion of the Water Company (water undertaker) in that area.
5. Approval Holders may quote in their sales literature that their product is WRAS approved. A WRAS product approval demonstrates that a water fitting is of a suitable quality and standard, provided that it meets the requirements of the Scheme when installed in accordance with the manufacturer's instructions and any applicable Approval Scheme Installation Requirements and Notes
6. The "WRAS Approved Product" logos are certification marks registered under the Trade Marks Act 1994 ("Certification Marks"). Approval Holders may use the Certification Marks in accordance with the Standard Terms of Approval.
7. Please verify the details of your Product as set out in the approval information and advise us of any discrepancies by no later than **9<sup>th</sup> June 2022**.

Yours Faithfully

**Ian Hughes**  
**WRAS Approvals Manager**

**APPROVAL INFORMATION**

Validity dates:	This approval is valid for fittings (as listed below in model) manufactured AND installed between January 2022 & January 2027
Section Number:	<b>1180</b>
Section title:	<b>FITTINGS FOR USE WITH TUBE AND PIPE COUPLINGS. UNLESS SPECIFIED IN THE INDIVIDUAL APPROVAL, THE PRODUCTS WITHIN THIS SECTION ARE NOT SUITABLE FOR BELOW GROUND USE</b>
Installation requirement notes:	<b>R001</b> (IRN's are set out in Appendix A)
Product description:	'Tectite Sprint' range of pushfit fittings with copper or DZR brass bodies.  10mm, 15mm, 22mm & 28mm pushfit fittings are for use with copper pipe (manufactured to BS EN 1057) and polybutylene barrier pipe and cross linked PEX barrier pipe (manufactured to BS 7291).  35mm, 42mm & 54mm pushfit fittings are for use with copper pipe (manufactured to BS EN 1057) only.  When used with PB & PEX pipes operating parameter are: 12.0 bar@cold water. 3.0 bar@92°C.  When used with copper pipes operating parameter are: 20.0 bar@cold water. 10.0 bar@100°C.
Size:	See model
Identification Marking:	YF logo (abbreviation of Yorkshire Fittings, a brand of Aalberts Integrated Piping Systems Ltd) and size on body
Factor:	Aalberts Integrated Piping Systems Ltd.
Model:	'Tectite Sprint' range: Copper Models: 75500 TT1/TT270 10mm Coupling, 75660 TT1/TT270 12mm Coupling, 75661 TT1/TT270 14mm Coupling, 75501 TT1/TT270 15mm Coupling, 75662 TT1/TT270 16mm Coupling, 75663 TT1/TT270 18mm Coupling, 75502 TT1/TT270 22mm Coupling, 75503 TT1/TT270 28mm Coupling, 75900 TT1/TT270 35mm Coupling, 75901 TT1/TT270 42mm Coupling, 75902 TT1/TT270 54mm Coupling, 75530 TT12/TT090 10mm Elbow, 75689 TT12/TT090 12mm Elbow, 75690 TT12/TT090 14mm Elbow, 75531 TT12/TT090 15mm Elbow, 75691 TT12/TT090 16mm Elbow, 75692 TT12/TT090 18mm Elbow, 75532 TT12/TT090 22mm Elbow, 75533 TT12/TT090 28mm Elbow, 75921 TT12/TT090 35mm Elbow, 75922 TT12/TT090 42mm Elbow, 75923 TT12/TT090 54mm Elbow, 75852 TT12CP/TT090 12mm Elbow, 75853 TT12CP/TT090 15mm Elbow, 75854 TT12CP/TT090 22mm Elbow, 75535 TT12S/TT092 10mm Street Elbow, 75536 TT12S/TT092 10mm x 15mm Strt Red Elbow, 75693 TT12S/TT092 12mm Street Elbow, 75537 TT12S/TT092 15mm Street Elbow,

75695 TT12S/TT092 16mm Street Elbow,  
75696 TT12S/TT092 18mm Street Elbow,  
75538 TT12S/TT092 22mm Street Elbow,  
75924 TT12S/TT092 35mm Street Elbow,  
75925 TT12S/TT092 42mm Street Elbow,  
75926 TT12S/TT092 54mm Street Elbow,  
75838 TT1CP/TT270 15mm Coupling,  
75839 TT1CP/TT270 22mm Coupling,  
75551 TT21/TT041 15mm Obtuse Elbow,  
75703 TT21/TT041 16mm Obtuse Elbow,  
75704 TT21/TT041 18mm Obtuse Elbow,  
75552 TT21/TT041 22mm Obtuse Elbow,  
75553 TT21/TT041 28mm Obtuse Elbow,  
75927 TT21/TT041 35mm Obtuse Elbow,  
75928 TT21/TT041 42mm Obtuse Elbow,  
75929 TT21/TT041 54mm Obtuse Elbow,  
75705 TT21S/TT040 12mm Obtuse Street El,  
75585 TT21S/TT040 15mm Obtuse Street El,  
75708 TT21S/TT040 18mm Obtuse Street El,  
75586 TT21S/TT040 22mm Obtuse Street El,  
75587 TT21S/TT040 28mm Obtuse Street El,  
75930 TT21S/TT040 35mm Obtuse Street Elbow,  
75931 TT21S/TT040 42mm Obtuse Street Elbow,  
75932 TT21S/TT040 54mm Obtuse Street Elbow,  
75555 TT24/TT130 10mm Equal Tee,  
75709 TT24/TT130 12mm Equal Tee,  
75710 TT24/TT130 14mm Equal Tee,  
75556 TT24/TT130 15mm Equal Tee,  
75712 TT24/TT130 18mm Equal Tee,  
75557 TT24/TT130 22mm Equal Tee,  
75558 TT24/TT130 28mm Equal Tee,  
75933 TT24/TT130 35mm Equal Tee,  
75934 TT24/TT130 42mm Equal Tee,  
75935 TT24/TT130 54mm Equal Tee,  
75861 TT24CP/TT130 15mm Equal Tee,  
75862 TT24CP/TT130 22mm Equal Tee,  
75565 TT25/TT130 15mm x 15mm x 10mm/TT130 15mm x 10mm x 15mm Tee,  
75714 TT25/TT130 15mm x 15mm x 12mm/TT130 15mm x 12mm x 15mm Tee,  
75719 TT25/TT130 18mm x 18mm x 15mm/TT130 18mm x 15mm x 18mm Tee,  
75566 TT25/TT130 22 mm x 22mm x 10mm/TT130 22mm x 10mm x 22mm Tee,  
75567 TT25/TT130 22 mm x 22mm x 15mm/TT130 22mm x 15mm x 22mm Tee,  
75722 TT25/TT130 22 mm x 22mm x 18mm/TT130 22mm x 18mm x 22mm Tee,  
75568 TT25/TT130 28 mm x 28mm x 15mm /TT130 28mm x 15mm x 28mm Tee,  
75569 TT25/TT130 28 mm x 28mm x 22mm /TT130 28mm x 22mm x 28mm Tee,  
75937 TT25/TT130 35 mm x 35mm x 22mm Tee,  
75940 TT25/TT130 42 mm x 42mm x 22mm Tee,  
75944 TT25/TT130 54 mm x 54mm x 22mm Tee,  
75865 TT25CP 22mm x 22mm x 15mm /TT130 22mm x 15mm x 22mm Tee,  
75724 TT26 15mm x 12mm x 15mm/TT130 15mm x 15mm x 12mm Tee,  
75573 TT26 22mm x 15mm x 22mm/TT130 22mm x 22mm x 15mm Tee,  
75574 TT26 28mm x 15mm x 28mm/TT130 28mm x 28mm x 15mm Tee,  
75575 TT26 28mm x 22mm x 28mm/TT130 28mm x 28mm x 22mm Tee,  
75869 TT26CP 22mm x 15mm x 22mm/TT130 22mm x 22mm x 15mm Tee,  
75582 TT27/TT130 22mm x 15mm x 15mm Tee RedEndBch,  
75584 TT27/TT130 28mm x 22mm x 22mm Tee RedEndBch,  
75870 TT27CP/TT130 22mm x 15mm x 15mm RedEndBch,  
75520 TT5 15mm x 1/2" BSP (M) Tank Coupling,  
75521 TT5 22mm x 3/4" BSP (M) Tank Coupling,  
75523 TT6/TT243 15mm x 10mm Reducer,  
75524 TT6/TT243 15mm x 12mm Reducer,  
75525 TT6/TT243 22mm x 15mm Reducer,  
75526 TT6/TT243 28mm x 15mm Reducer,  
75527 TT6/TT243 28mm x 22mm Reducer,  
75909 TT6/TT243 35mm x 15mm Reducer,  
75910 TT6/TT243 35mm x 22mm Reducer,  
75911 TT6/TT243 35mm x 28mm Reducer,  
75913 TT6/TT243 42mm x 22mm Reducer,  
75914 TT6/TT243 42mm x 28mm Reducer,  
75915 TT6/TT243 42mm x 35mm Reducer,



75917 TT6/TT243 54mm x 22mm Reducer,  
75918 TT6/TT243 54mm x 28mm Reducer,  
75919 TT6/TT243 54mm x 35mm Reducer,  
75920 TT6/TT243 54mm x 42mm Reducer,  
75590 TT61/TT301 10mm Stop End,  
75731 TT61/TT301 12mm Stop End,  
75732 TT61/TT301 14mm Stop End,  
75591 TT61/TT301 15mm Stop End,  
75733 TT61/TT301 16mm Stop End,  
75734 TT61/TT301 18mm Stop End,  
75592 TT61/TT301 22mm Stop End,  
75593 TT61/TT301 28mm Stop End,  
75868 TT61CP/TT301 15mm Stop End,  
75600 TT62/TT062 10mm x 1/2" BSP (M) Str Tap Conn,  
75736 TT62/TT062 12mm x 3/8" BSP (M) Str Tap Conn,  
75601 TT62/TT062 15mm x 1/2" BSP (M) Str Tap Conn,  
75740 TT62/TT062 16mm x 3/4" BSP (M) Str Tap Conn,  
75603 TT62/TT062 22mm x 3/4" BSP (M) Str Tap Conn,  
75604 TT63/TT063 10mm x 1/2" BSP (M) Bent Tap Conn,  
75605 TT63/TT063 15mm x 1/2" BSP (M) Bent Tap Conn,  
75850 TT6CP/TT243 22mm x 15mm Reducer.

Brass Models:

75540 TT13/TT092G 15mm x 1/2" BSP (M) Male Elbow,  
75833 TT13/TT092G 22mm x 3/4" BSP (M) Male Elbow,  
75697 TT14/TT090G 14mm x 1/2" BSP (F) Female Elbow,  
75545 TT14/TT090G 15mm x 1/2" BSP (F) Female Elbow,  
75698 TT14/TT090G 16mm x 1/2" BSP (F) Female Elbow,  
75831 TT14/TT090G 22mm x 3/4" BSP (F) Female Elbow,  
75548 TT15/TT471G 12mm x 1/2" BSP (F) Backplate ELB,  
75550 TT15/TT471G 15mm x 1/2" BSP (F) Backplate ELB,  
75664 TT1R/TT240 14mm x 12mm Red Coupling,  
75504 TT1R/TT240 15mm x 10mm Red Coupling,  
75665 TT1R/TT240 15mm x 12mm Red Coupling,  
75667 TT1R/TT240 16mm x 14mm Red Coupling,  
75668 TT1R/TT240 18mm x 15mm Red Coupling,  
75505 TT1R/TT240 22mm x 15mm Red Coupling,  
75671 TT1R/TT240 22mm x 18mm Red Coupling,  
75840 TT1RCP/TT240 15mm x 10mm Red Coupling,  
75673 TT2/TT270G 12mm x 1/2" BSP (F) Female Cplng,  
75675 TT2/TT270G 14mm x 1/2" BSP (F) Female Cplng,  
75674 TT2/TT270G 14mm x 3/8" BSP (F) Female Cplng,  
75510 TT2/TT270G 15mm x 1/2" BSP (F) Female Cplng,  
75676 TT2/TT270G 16mm x 1/2" BSP (F) Female Cplng,  
75677 TT2/TT270G 18mm x 1/2" BSP (F) Female Cplng,  
75835 TT2/TT270G 18mm x 3/4" BSP (F) Strt Female Con,  
75511 TT2/TT270G 22mm x 3/4" BSP (F) Female Cplng,  
75678 TT2/TT270G 28mm x 1" BSP (F) Female Cplng,  
75903 TT2/TT270G 35mm x 1.1/4" BSP (F) Str Fem Con,  
75904 TT2/TT270G 42mm x 1.1/2" BSP (F) Str Fem Con,  
75905 TT2/TT270G 54mm x 2" BSP (F) Str Fem Con,  
75843 TT2CP/TT270G 15mm x 1/2" BSP (F) Female Coup,  
75680 TT3/TT243G 10mm x 1/2" BSP (M) Male Coupling,  
75679 TT3/TT243G 10mm x 3/8" BSP (M) Male Coupling.

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## APPENDIX A

### INSTALLATION REQUIREMENTS & NOTES

You are advised to draw customers' attention to the installation requirements and notes set out below which must be followed to ensure that the fittings described above are installed in accordance with the requirements of the Regulations and Byelaws:

#### **IRN R001**

See text of entry for Installation Requirements or Notes.

## APPENDIX B - Standard Terms of Approval

### 1. WRAS Approvals Schemes

- 1.1. The WRAS Approval Schemes (“the Schemes”) and the WRAS Products and Materials Directory are owned and operated by the Water Regulations Approval Scheme Ltd (“WRAS Ltd” or “WRAS”).
- 1.2. To be eligible for WRAS approval products or materials must be capable of lawfully installed or used in the UK.
- 1.3. The WRAS Approvals Scheme Requirements & Code of Practice (WRAS.Cust-402) sets out what an Approval is.
- 1.4. WRAS is not responsible for enforcement of the Regulations, nor does it have any statutory powers. A WRAS Approval does not guarantee a water fitting will be accepted by Water Companies or that enforcement actions will not be taken. Site specific circumstances will be relevant such as aspects of the plumbing system design in which the fitting is installed, as well as water company terms and condition of consent.
- 1.5. Installation Requirement Notes (IRNs) applied to an Approval are designed to help installers, but do not guarantee all site-specific requirements are covered.
- 1.6. These Standard Terms and Conditions of Approval (T&Cs) and the Scheme Requirements form the agreement between WRAS and the Applicant / Approval Holder in respect of applications and Approvals.
- 1.7. The definitions in document WRAS.Gen-601: “WRAS Approvals Terms & Definitions” shall apply throughout.
- 1.8. In the event of any conflict between these T&Cs and any of the documents referred to in them, the T&Cs shall take precedence.

### 2. Obligations of the Applicant & Approval Holder

- 2.1. It is the responsibility of Applicants to ensure that they are familiar with, accept and comply at all times with the requirements of the Scheme as detailed in these Standard Terms and Conditions, the Code of Practice (WRAS.Cust-402) and the WRAS Scheme guidance. This includes, but is not limited to, the following documents:
  - i WRAS Approval Scheme Brand Guidelines
  - ii WRAS Approvals Guides
  - iii Test Code Sheet Matrix.
  - iv Guidance for non-metallic materials in fittings
  - v Sampling Matrix
  - vi Installation Requirement Notes (IRNs).

These are available for download from the WRAS website [www.wrasapprovals.co.uk](http://www.wrasapprovals.co.uk).

- 2.2. The Applicant guarantees the accuracy and completeness of all information contained in the Application and any other information now or subsequently provided by the Applicant or its Agents to WRAS and/or the Recognised Test Laboratory in pursuance of the application and confirms that none of this information is or may be construed as misleading in any way. WRAS accepts no liability for any losses or any other damage arising from incomplete or incorrect information provided by the Applicant.
- 2.3. The Applicant must implement suitable quality assurance methods / Factory Production Control (fpc), in order to ensure that the characteristics verified during certification remain of the same quality throughout the period of approval. This may be ensured through direct self-monitoring, as well as through measures under a quality management system in accordance with ISO 9001/ CE Mark. Assurance records and details of any investigations into complaints relating to Approved Products shall be presented to WRAS on request. The records shall be retained by the Applicant for ten years.
- 2.4. Approvals granted shall be subject to surveillance by WRAS, either as part of routine or investigative auditing activity. The Approval Holder shall co-operate fully with WRAS for this purpose, including accommodating inspection observers if necessary. The Approval Holder shall reimburse WRAS for all reasonable costs incurred in connection with surveillance & audit activities.
- 2.5. WRAS reserves the right to undertake unannounced audits of Approval Holders’ facilities as part of investigations.
- 2.6. In order to maintain an Approval, the self-declaration of continued compliance must be completed annually by the Approval Holder in accordance with the Scheme Requirements. If these requirements are not met sanctions will be applied to the Approval.

### 3. Pre-Application Advice

- 3.1. Applicants may seek pre-application advice before submitting an application for WRAS Approvals
- 3.2. WRAS Product Approval will only be granted to production samples. Prototype or pre-production samples may be submitted for pre-application advice however additional testing may be required when subsequently submitted for full approval as a production sample.
- 3.3. Any pre-application advice is provided on the basis of the preliminary information provided. This advice should not be taken as guaranteeing that a product will be granted a WRAS approval nor that no enforcement action will be taken in respect of it by water companies. WRAS Approvals will carry out a full assessment of the product when an approval application is submitted.
- 3.4. No reliance should be placed on any pre-application advice for the purposes of designing or producing any product. WRAS accepts no liability for loss of goodwill, business, revenue or profits, anticipated savings or wasted expenditure (whether reasonably foreseeable or not) or indirect or consequential loss arising from or in connection with such advice.

#### **4. Applications**

- 4.1. All applications for WRAS Approval must be submitted using the appropriate official WRAS Application form.
- 4.2. Applications for WRAS Material Approval for non-metallic materials must be supported by test certificates to BS 6920, instructions and data safety sheets where required.
- 4.3. All applications for a WRAS Product Approval must be supported by schematic diagrams, technical drawings, photographs of product and markings, and installation manuals where appropriate. These must illustrate the arrangement of the product, clearly showing the water supply connections, discharge points (including overflows and waste discharges) and the water pathway through the product.
- 4.4. Product Approval applicants must provide a schedule of materials. All component parts of a product (including solder, thread sealant tape, lubricant and grease) which come into contact with wholesome water must be listed.
- 4.5. The Application Form must include details of any Agents appointed by the Applicant detailing the scope of the Agent's authority. The Applicant takes responsibility for all acts of their Agent in connection with the Application / Approval and indemnifies WRAS for any losses incurred as a result of any breach of these T&Cs by the Applicant or its Agent(s).
- 4.6. Applications are valid for a period of 12 months from the date of which they are verified by the applicant, after which time confirmation will be required that the information provided is up-to-date.
- 4.7. WRAS reserves the right to reject an application if it has reasonable grounds to believe the terms and conditions and other scheme requirements will not be met.

#### **5. Application Fees**

- 5.1. WRAS charges an administration fee ("WRAS Fee") for processing an Application. Details of the WRAS Fee are available from WRAS website and can be confirmed on request. Where applicants are using a Recognised Test Laboratory to project manage their application, WRAS will collect this fee from the Recognised Test Laboratory. In such cases, this fee is usually included in the charges made by the Recognised Test Laboratory to the Applicant, but it is the Applicant's responsibility to confirm this and to ensure that the WRAS Fee is discharged in full.
- 5.2. The Applicant will commit to pay WRAS fees within 30 days of the invoice. This includes surveillance fees and any third-party payments e.g. bank charges and additional courier charges. WRAS shall apply an additional administration fee for processing third party payments. Approval may be suspended if payment is not received on time. New applications will not be processed until overdue debts are paid.
- 5.3. The Applicant accepts responsibility for any import duties for samples supplied.

#### **6. Termination**

- 6.1. Either party may close an application at any time upon giving the other party written notice.
- 6.2. In the event that an applicant withdraws an application they shall pay to WRAS all sums due or committed up to the date of withdrawal.
- 6.3. Termination of this agreement shall not affect the rights and liabilities of either party accrued prior to termination.

#### **7. Intellectual Property and Ownership of documents**

- 7.1. All intellectual property owned by either party or any third independent party shall remain exclusively the property of the owner.
- 7.2. The Applicant grants to WRAS a perpetual, world-wide, non-exclusive, royalty-free licence to use any materials supplied by or on behalf of the Applicant for the purpose of administering the Scheme and exercising WRAS's rights and performing WRAS's obligations under this agreement. This licence includes the right to copy and modify the licenced materials, and to grant sub licences.
- 7.3. Subject to any confidential information or other intellectual property belonging to the Applicant, all application forms are the property of WRAS.

#### **8. Confidentiality**

- 8.1. Subject to the remaining terms of this clause 8, both WRAS and the Applicant undertake not to divulge to any third party, any information which was designated as confidential by the other party at the time it was made available ("Confidential Information"), without prior written consent of that other party.
- 8.2. WRAS may make information relating to granted and expired Approvals available to the Water Companies. This includes information which is, or was, published in the public directory and photographs that could help to identify a product. This includes the dates any modifications, suspensions or withdrawals were implemented.
- 8.3. WRAS may publish in the Directory any information that these T&Cs, the Scheme Requirements, or any of the other Scheme documents state will be published in the Directory. Any information that is published in the Directory shall be treated as being in the public domain even after the expiry, suspension or withdrawal of an Approval.
- 8.4. It is acknowledged and agreed that WRAS shall be entitled to retain all information provided by an Applicant for the entire duration of the Approval Period (including any renewal period granted by WRAS) and for up to seven years following the expiry of any granted Approvals. This includes, but is not limited to, test results and analyses of Confidential Information, provided that the Confidential Information is kept secure at all times.
- 8.5. Nothing in this agreement shall prevent a party from disclosing or otherwise using information if (i) the information is in, or enters, the public domain other than as a result of a breach of this agreement, (ii) the information was known to that party prior to receiving it from the other party, (iii) the information is received from a third party not subject to a duty of confidentiality, or (iv) such disclosure or use of the information is required by any rule of law or the order or direction of a court or regulatory body of competent jurisdiction, or (v) such disclosure is permitted by any other term of this agreement.

**9. Performance Testing**

- 9.1. WRAS will only accept Applications which include test reports from a Recognised Test Laboratory which cover in full, the Scheme's acceptance criteria.
- 9.2. Products must be tested in accordance with the requirements identified in the Test Code Sheet (TCS) matrix published on the WRAS website, against appropriate standards or in accordance with relevant harmonised standards and additional scheme requirements as notified by WRAS.
- 9.3. Where a product is an assembly of components, all individual constituent components must satisfy the requirements applicable to that component and unless already WRAS Approved will require testing.
- 9.4. In the case of non-standard products clarification of the testing required should be sought from WRAS in advance.
- 9.5. The scope of an Approval is restricted to those conditions applied during testing. Applications should include all scenarios and variations the applicant wishes to be covered in the Approval.
- 9.6. Mechanical testing of products must have been completed no more than two years before the report is presented for Approval.
- 9.7. WRAS shall exercise reasonable skill and care in applying its policies for the recognition of test laboratories, as set out in the Requirements Documents. WRAS shall require every Recognised Test Laboratory to enter into a contract with WRAS requiring the laboratory to comply with the Requirements Documents.

**10. Test Samples**

- 10.1. A sample on which a WRAS Approval is to be based should have been manufactured no more than 12 months before the date of its receipt by the Recognised Test Laboratory.

**11. Markings**

- 11.1. It is a condition of WRAS Product Approval that all products be adequately and consistently marked to facilitate identification.

**12. Testing Failure**

- 12.1. Should a product undergoing mechanical performance testing fail to satisfy the requirements of an individual test then a record of the failure will be reported to WRAS by the Recognised Test Laboratory. Complete retesting of a new sample will be required unless WRAS accepts that replacement of the failed component or product would not affect the performance of the other tests already carried out on the sample that failed.
- 12.2. Should a replacement sample subsequently fail the same test then it is deemed to be an outright failure and will be reported as such to WRAS by the Recognised Test Laboratory. If the replacement fails a different test it is considered to be a first failure and treated as a failure during testing.

**13. Modified replacement samples**

- 13.1. If a product fails to satisfy the requirements of an individual test and is then modified, the Applicant must provide a declaration detailing the nature and full extent of all modifications. In such cases the status of any earlier testing should be clarified with WRAS.
- 13.2. Where a modified product is re-tested it is only deemed to be an outright failure if two failures are recorded for the same test.

**14. Failure of samples representing a product range**

- 14.1. Failure of one sample from amongst a number of samples representing a product range will be treated as a first failure of that particular model/size. In this circumstance the same variant should be retested. An outright failure would only occur if the replacement example failed the same test.

**15. Failure of early audits**

- 15.1. The failure of a product submitted for early audit will at the discretion of WRAS render the current Approval null and void and will result in the Approval being removed from the Directory.

**16. Certificates**

- 16.1. WRAS will normally issue a certificate within two weeks of a product gaining Approval.
- 16.2. Approval Holders must not use old versions of any WRAS certificate or modify any WRAS certificate. Any certificate provided by an Approval Holder to a third party must be current and in the full and complete form as issued by WRAS, including any IRNs and conditions attached.
- 16.3. A certificate issued by WRAS shall remain the property of WRAS at all times.

**17. Directory entries**

- 17.1. Duplicate Directory entries for Products are not permitted.
- 17.2. All recently approved WRAS listings will normally be added to the Directory within two weeks of them gaining Approval.
- 17.3. All expired Approvals will be removed from the Directory following their expiry dates.

**18. Alterations and additions to an existing approval**

- 18.1. All requests for alterations or addition to a current Approval should be made directly to WRAS.
- 18.2. There are no restrictions on the number of revisions that can be made to an Approval during its lifetime provided that the conditions of the Scheme are complied with.
- 18.3. An application fee for alterations and additions to existing approvals will be applied regardless of outcome.
- 18.4. Additions to an existing Approval without the need for additional testing of the Product will only be permitted if the Scheme's sampling acceptance criteria are satisfied.



**19. Secondary Approvals**

- 19.1. Applicants for Secondary Approvals do not need to be the Primary Approval holder. In all circumstances the Applicant must obtain the written consent of the Primary Approval holder before submitting an application for a Secondary Approval.
- 19.2. Any changes made to a Primary Approval (including the withdrawal of that Approval) shall automatically apply to any Secondary Approval based on that Primary Approval. WRAS shall notify the Secondary Approval holder of the change, but shall not be obliged to disclose the reasons for the change.

**20. Registered Certification Marks**

- 20.1. The "WRAS Approved Product" and "WRAS Approved Material" logos are certification marks registered under the Trade Marks Acts 1994 ("Certification Marks"). Approval Holders shall be entitled to use the Certification Marks upon the licence terms set out in this clause 20 ("Licence Terms"). The Brand Guidelines can be found on the WRAS Website.
- 20.2. The Approval Holder acknowledges that WRAS is the owner of the Certification Marks and the Approval Holder shall not do anything which may be taken to indicate the Approval Holder has any right or interest in the Certification Marks other than as set out in these T&Cs.
- 20.3. Prior to an Approval being granted Applicants shall not use the Certification Marks or the WRAS name or logo in any publication or suggest or imply any endorsement of a particular product or range of products by the Scheme either verbally, in writing or by any other means.
- 20.4. Approval Holders may use the Certification Marks only in respect of those Approved Products listed in the Approval Letter and only for the duration of the Approval Period applicable to those Approved Products. Where Approval has lapsed or is withdrawn, the Approval Holder must immediately stop using the Certification Marks in relation to the relevant Product.
- 20.5. Subject to the rest of these Licence Terms, Approval Holder may use the Certification Marks on the packaging, promotional literature and point of sale advertising for the relevant Approved Products.
- 20.6. If the Approval Holder's right to use the Certification Marks in relation to a Product ends then the Approval Holder must remove the Certification Mark from or destroy the packaging, promotional literature, point of sale advertising and any other materials relating to that Product. The Approval Holder shall ensure that its Factors also comply with this clause 20.6.
- 20.7. Where a Certification Mark is used, it must be replicated without adaptation or alteration, save that reproducing the logo in black and white as opposed to colour is permissible.
- 20.8. The Certification Marks may only be used in connection with a product range where each individual product and/or material and/or component within that product range has been granted individual WRAS Approval.
- 20.9. The Approval Holder shall inform its Factors and agents that any Modification or other alteration to the Approved Product may invalidate the Approval and shall inform WRAS of any Modification or other alteration as soon as this comes to the Approval Holder's attention.
- 20.10. The Approval Holder shall not sub-licence, assign, transfer or otherwise deal with the Certification Marks other than on these Licence Terms.
- 20.11. The Approval Holder shall adhere to the terms of all brand guidelines issued by WRAS from time to time. Failure to comply with all brand guidelines will immediately invalidate a previously granted Approval.
- 20.12. The Approval Holder at all times remains responsible for the correct use of the Certification Marks by its Factors.

**21. Complaint Management**

- 21.1. The Approval Holder shall be required to keep a record of all the complaints made known to it in respect of an Approved Product during the validity of the Approval, and retain such record for ten years from the end of that period. The Approval Holder shall provide WRAS with a copy of the record referred to in clause 21.1 upon WRAS's request at any time during the period the Approval Holder is required to keep and retain that record.

**22. WRAS Approval Schemes Sanctions**

- 22.1. WRAS reserves the right to suspend, amend or withdraw an Approval or to amend or remove details of it from the WRAS Product and Materials Directory in the following circumstances:
  - i where there has been a breach by the Applicant / Approval Holder of any of its obligations detailed in the Scheme Requirements or any other provision of these T&Cs;
  - ii where WRAS considers this necessary as result of a change in any relevant law, regulation, specification, standard or any other requirement which affects the issue of WRAS Approvals.
  - iii where WRAS is no-longer satisfied that the relevant Product or material complies with Regulation 4(1)(a), Schedule 2 paragraph 2 of the Regulations or the Scheme Requirements.
- 22.2. WRAS reserves the right to notify the Water Companies of suspensions, amendments and withdrawals.
- 22.3. At its sole discretion, WRAS may publish details of the withdrawal, amendment or suspension of an Approval.

**23. Limitation of Liability**

- 23.1. Nothing in this agreement shall limit or exclude WRAS's liability for:
- i death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;
  - ii fraud or fraudulent misrepresentation; or
  - iii any other liability that cannot be so limited or excluded under law.
- 23.2. WRAS shall not be liable to the Applicant or Approval Holder, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any:
- i loss of profits or revenue;
  - ii loss of sales or business;
  - iii loss of opportunity or contracts;
  - iv loss of or damage to goodwill or reputation; or
  - v indirect or consequential loss;

(in each case) arising under or in connection with this agreement or any Application, suspension, amendments or withdrawal of Approval.

- 23.3. WRAS shall have no liability whether in contract, tort (including negligence), breach of statutory duty, or otherwise arising out of or in connection with the acts or omissions of any Recognised Test Laboratory, except to the extent that such liability arises from WRAS's failure to perform its obligations under clause 9.7 in relation to that laboratory.
- 23.4. WRAS shall not be liable for any delays in processing Applications which are beyond its control, including those which are attributable to test laboratories or arise from an applicant's failure to respond to WRAS's queries, provide requested information or failure to satisfy the Scheme's acceptance criteria.
- 23.5. WRAS's total liability to the Applicant / Approval Holder whether in contract, tort (including negligence), breach of statutory duty, or otherwise arising under or in connection with this Agreement or any Application, suspension, amendments or withdrawal of Approval shall not exceed £1,000,000.
- 23.6. The limit of liability set out in clause 23.5 is based on the limits of the relevant insurance policies that WRAS has obtained. The Applicant / Approval Holder acknowledges that this is a commercially reasonable limit. WRAS may agree a higher limit, subject to being able to obtain appropriate insurance cover up to that higher limit and subject to the Applicant / Approval Holder agreeing to pay any additional costs that WRAS incurs in obtaining that insurance. Any such agreement concerning a higher limit of liability shall be effective only if made in writing signed by WRAS and the Applicant / Approval Holder.
- 23.7. WRAS shall exercise reasonable skill and care in performing its obligations under the agreement. Except as set out in these T&Cs, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded.

**24. Complaints**

- 24.1. WRAS has a complaints process for the resolution of disputes regarding decisions that WRAS makes on the following matters:
- i Refusal to grant an Approval,
  - ii Suspension or withdrawal of an Approval
  - iii Conditions attached to an Approval,
  - iv Other aspects of the WRAS Approval Scheme,
- 24.2. If the Applicant / Approval Holder disputes a decision that is subject to the complaints process the Applicant / Approval holder agrees to refer the dispute to the complaints process. The Applicant / Approval holder shall not seek any other remedy (including commencing any court proceedings) until the Applicant / Approval holder has exhausted the complaints process.
- 24.3. To refer a dispute to the complaints, process the Applicant / Approval Holder shall notify the WRAS Approvals Manager in writing setting out why the Applicant / Approval Holder disputes the relevant decision.
- 24.4. Where a dispute is referred to the complaints process WRAS and the Applicant / Approval Holder shall comply with the following process:

Stage 1: The WRAS Approvals Manager will review the complaint and take such action as he or she considers appropriate to resolve the complaint.

Stage 2: Where the Applicant / Approval Holder is not satisfied with the outcome of Stage 1, the Applicants/Approval Holders shall write to the Managing Director of WRAS setting out details of the complaint and why the Applicant / Approval Holder is not satisfied with the outcome of Stage 1. The Managing Director shall review the complaint and take such action as he or she considers appropriate to resolve it.

Stage 3: If an Applicant/Approval Holder is dissatisfied with the way a complaint has been dealt with by the Managing Director, the Applicant/Approval Holder shall request a review by the WRAS Chairman. The Chairman may appoint a panel with relevant experience to investigate the complaint and make a recommendation. The WRAS Chairman shall take such action as he or she considers appropriate to resolve the complaint.

Each stage of the complaints process shall be complete when the WRAS decision-maker responsible for that stage provides a written notice to the Applicant / Approval Holder setting out the action he or she considers appropriate to resolve the complaint and confirming that stage of the complaints process has been completed.

**25. Impartiality**

- 25.1. WRAS shall ensure that it and its staff comply with its Impartiality Policy (WRAS.Admin-103) in relation to each Application and Approval.

**26. Revisions to the Scheme documents**

- 26.1. WRAS may amend these T&Cs and the Scheme Requirements from time to time. Such amendments shall take effect between WRAS and the Approval Holder when the Approval Holder completes the annual Approval self-declaration process referred to in the Scheme Requirements, except where clause 26.2 applies.
- 26.2. If WRAS amends these T&Cs or the Scheme Requirements in order to reflect changes in applicable law or regulation or ISO/EN 17065 then such amendment shall take effect on the date that WRAS gives the Applicant / Approval Holder written notice or publishes the amended document at [www.wras.co.uk](http://www.wras.co.uk) (whichever is sooner).

**27. General**

- 27.1. Any decision, requirement or notification under these T&Cs shall be given by in writing (which shall include email) by or on behalf of the party giving it.
- 27.2. WRAS will not be liable or responsible for any failure to perform, or delay in performance of any of its obligations to Applicants or Approval Holders that is caused by an Event Outside Our Control.
- 27.3. These T&Cs and any disputes or claims arising out of or in connection with them or their subject matter (including non-contractual disputes or claims) shall be governed by, and construed in accordance with the laws of England and Wales and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

**28. Severance**

- 28.1. If any provision or part-provision of this agreement is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of the agreement.
- 28.2. If any provision or part-provision of this agreement is deemed deleted under clause 28.1 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the intended commercial result of the original provision.

**29. Entire Agreement**

- 29.1. This agreement constitutes the entire agreement between WRAS and the Applicant / Approval Holder and supersedes and extinguishes all previous agreements, promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.
- 29.2. The Applicant / Approval Holder agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this agreement. The Applicant / Approval Holder agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in this agreement.

**30. Waiver**

- 30.1. No failure or delay by a party to exercise any right or remedy provided under this agreement or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.



CERT

# DVGW type examination certificate

## DVGW-Baumusterprüfzertifikat

**DW-8511BU0144**

Registration Number  
Registriernummer

<b>Field of Application</b> <i>Anwendungsbereich</i>	products of water supply <i>Produkte der Wasserversorgung</i>
<b>Owner of Certificate</b> <i>Zertifikatinhaber</i>	Pegler Yorkshire Group Ltd St. Catherine's Avenue, GB- Doncaster DN4 8DF
<b>Distributor</b> <i>Vertreiber</i>	Pegler Yorkshire SDH 46, rue de l'industrie, F-45550 Saint-Denis de L'Hotel
<b>Product Category</b> <i>Produktart</i>	installation systems and system joints: pipe joint for pipes in drinking water installation systems (8511)
<b>Product Description</b> <i>Produktbezeichnung</i>	system joints as plug in fitting made of copper for pipes made of copper according to DVGW working sheet GW 392
<b>Model</b> <i>Modell</i>	Tectite Sprint
<b>Test Reports</b> <i>Prüfberichte</i>	laboratory control test: 120001607-18 from 04.09.2018 (MPM) type testing: 120001607-14 from 03.07.2014 (MPM) type testing: 120003296 from 01.04.2009 (MPM)
<b>Test Basis</b> <i>Prüfgrundlagen</i>	DVGW W 534 (01.05.2004) DVGW CERT ZP 8500 (09.03.2017) UBA METALLE (21.11.2018) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)

**Date of Expiry / File No.** 01.04.2024 / 19-0185-WNV  
**Ablaufdatum / Aktenzeichen**

25.03.2019 LE 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 DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.

DVGW CERT GmbH ist von der DAkkS nach DIN EN ISO/IEC 17065:2013 akkreditierte Stelle für die Zertifizierung von Produkten der Energie- und Wasserversorgung.



DVGW CERT GmbH  
Zertifizierungsstelle

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Fax +49 228 91 88 - 993

www.dvgw-cert.com  
info@dvgw-cert.com



<b>Type</b> <b>Typ</b>	<b>Technical Data</b> <b>Technische Daten</b>	<b>Remarks</b> <b>Bemerkungen</b>
Tectite Sprint	diameter: 12 mm	type: M-MM
Tectite Sprint	diameter: 15 mm	type: M-MM
Tectite Sprint	diameter: 18 mm	type: M-MM
Tectite Sprint	diameter: 22 mm	type: M-MM
Tectite Sprint	diameter: 28 mm	type: M-MM

**certified Components****zertifizierte Bauteile / Werkstoffe**

<b>Registr. No.</b> <b>Registr.-Nr.</b>	<b>Component</b> <b>Bauteil (Produktart)</b>	<b>Model/Type</b> <b>Modell/Typ</b>	<b>Manufacturer</b> <b>Hersteller</b>
NW-5253BP5648	sealing material for drinking water installations	EP 1/1/5/EP 1/1/5	Superior Seals Ltd.

**Hints of Utilization / Remarks****Verwendungshinweise / Bemerkungen**

The type testing was made with pipes made of copper according to DVGW working sheet GW 392.



**Strojírenský zkušební ústav, s.p.**  
**(Engineering Test Institute, Public Enterprise)**  
Authorized Body 202  
Hudcova 424/56b, 621 00 Brno, Czech Republic  
Authorization Decision 4/2017 of 16 January 2017

# PRODUCT CERTIFICATE

## 202/C5/2019/B-02431-19

In compliance with the provisions of Section 5 (a) of Government Regulation 163/2002 Coll., laying down technical requirements for selected construction products, as amended by Government Regulation 312/2005 Coll. and Government Regulation 215/2016 Coll., the Authorized Body hereby confirms that for the following construction products

Tectite fittings

Type designation: Tectite PRO, Tectite CLASSIC, Tectite 316, Tectite SPRINT

Versions: see Pages 2 to 4

Manufacturer: Pegler Yorkshire Group Limited  
St. Catherines Avenue  
DN4 8DF Doncaster, South Yorkshire  
UNITED KINGDOM

Place of manufacture: YORKSHIRE Fittings Gyártó Kft.  
Maglódi út 16., H-1106 Budapest  
HUNGARY

it has reviewed the background materials submitted by the Manufacturer, carried out the initial product type test on sample, initial audit at the manufacturing plant and has assessed the factory production control system and ascertained that the products concerned meet the requirements related to essential requirements of the abovementioned Government Regulation set by technical regulations and by Technical Construction Certificate 202-STO-B-01635-19 of 2019-02-18 issued by the Authorised Body 202 and valid until 2022-06-30, and that the factory production system is consistent with the relevant technical documentation and ensures that the products being placed on the market meet the requirements laid down by the abovementioned technical regulations and by Technical Construction Certificate and that they are consistent with the technical documentation pursuant to Section 4 (3) of the aforesaid Government Regulation.

An integral part of this Certificate is Final Report 30-14197/MZ of 2019-08-30, which contains the conclusions drawn from the ascertainment, verifications, test results and the essential description of the certificated product, necessary for its identification.

This Certificate was first issued on 2019-09-17 and will remain valid as long as the requirements that are laid down by the specified standards and technical regulations, to which reference is made, or the production conditions at the manufacturing plant or the factory production control system remain substantially unchanged, unless this Certificate is amended or cancelled by the Authorized Body.

At least once every 12 months, the Authorized Body performs surveillance of proper operation of the factory production control system at the Manufacturer's premises pursuant to provisions of Section 5 (4) of the abovementioned Government Regulation, takes samples of the products at the manufacturing plant, tests these samples and assesses whether the characteristics of the products comply with the specified standards and technical regulations. The Authorised Body shall issue a report on evaluation of the surveillance and pass it to the Manufacturer.

Brno, 2019-09-17

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Ing. Aleš Onderek  
Deputy Director



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[www.szutest.cz](http://www.szutest.cz)



Specification of types and versions:

Fittings	Pipes	Temperature			
		-24°C	30°C	65°C	95°C
<b>Tectite CLASSIC</b>	Copper	16 bar	16 bar	10 bar	6 bar
<b>Tectite CLASSIC</b>	PB or PEX	12 bar	12 bar	6 bar	3 bar
<b>Tectite SPRINT</b>	Copper	20 bar	20 bar	16 bar	10 bar
<b>Tectite SPRINT</b>	PB or PEX	12 bar	12 bar	6 bar	3 bar
<b>Tectite PRO up to 28 mm</b>	Copper	20 bar	20 bar	16 bar	10 bar
<b>Tectite PRO 35 mm +</b>	Copper	16 bar	16 bar	10 bar	6 bar
<b>Tectite 316 up to 28 mm</b>	Stainless steel	20 bar	20 bar	16 bar	10 bar
<b>Tectite 316 35 mm +</b>	Stainless steel	16 bar	16 bar	10 bar	6 bar

Type	Name	Dimension
<b>Tectite SPRINT</b>		
TT1	Straight coupling	10+28
TT1R	Reducing coupling	15+22x10+18
TT2	Straight female connector	10+28x1/2"+1"
TT3	Straight male connector	10+28x1/2"+1"
TT5	Tank connector	15x1/2", 22x3/4"
TT6	Reducer	15+28x10+22
TT12	Elbow	10+28
TT12S	Street elbow	10+22x10+22
TT13	Male elbow	15x1/2"
TT14	Female elbow	14+16x1/2"
TT15	Backplate elbow	12+15x1/2"
TT21	Obtuse elbow	12+28
TT21S	Obtuse street elbow	12+28
TT24	Equal tee	10+28
TT25	Tee, reduced branch	14+28x14+28x12+22
TT26	Tee, one end reduced	15+28x12+22x15+28
TT27	Tee, one end and branch reduced	16+28x14+22x14+22
TT61	Stop end	10+28
TT62	Tap connector	10+22x1/2"+3/4"
TT63	Bent tap connector	10+18x1/2"
<b>Tectite CLASSIC</b>		
T1	Straight coupling	10+28
T1R	Reducing coupling	12+28x10+22
T2	Straight female connector	10+28x3/8"+1"
T3	Tapered male connector	10+28x3/8"+1"
T3P	Straight male connector	12+28x3/8"+1"
T5	Tank connector	15x1/2", 22x1/2", 28x1"
T6	Reducer	12+28x10+22
T12	Elbow	10+28
T12S	Street elbow	10+28





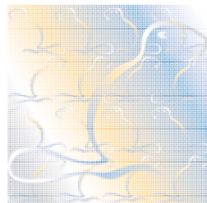
Type	Name	Dimension
T13	Male elbow	10+28x3/8"+1"
T14	Female elbow	10+28x3/8"+1
T15	Backplate elbow	10+22x1/2"+3/4"
T21	Obtuse elbow	12+28
T21S	Obtuse street elbow	12+28
T24	Equal tee	10+28
T25	Tee, reduced branch	12+28x12+28x10+22
T26	Tee, one end reduced	15+28x10+22x15+28
T27	Tee, one end and branch reduced	15+28x10+22x10+22
T30	Female branch tee	12+22x12+22x1/2"+3/4"
T61	Stop end	10+28
T62	Tap connector	10+22x1/2"+3/4"
T62S	Tap connector	15+22x1/2"+3/4"
T63	Bent tap connector	10+22x1/2"+3/4"
T68FF	Flat faced union adaptor	15x3/4"
<b>Tectite PRO</b>		
TX1	Straight coupling	15+54
TX1	Slip straight coupling, slip pattern	15+54
TX2	Straight female connector	15+54x1/2"+2"
TX3	Tapered male connector	15+54x1/2"+2"
TX3P	Straight male connector	15+28x1/2"+1"
TX6	Reducer	22+54x15+42
TX12	Elbow	15+54
TX12S	Street elbow	15+28
TX13	Male elbow	15+28x1/2"+1"
TX14	Female elbow	15+28x1/2"+1
TX15	Backplate elbow	15x1/2"
TX21	Obtuse elbow	15+54
TX21S	Obtuse street elbow	15+54
TX24	Equal tee	15+54
TX25	Tee, reduced branch	22+54x22+54x15+35
TX26	Tee, one end reduced	22+28x15+22x22+28
TX27	Tee, one end and branch reduced	22x15x15, 28x22x22
TX30	Female branch tee	15+42x15+42x1/2"
TX61	Stop end	15+54
TX62	Tap connector	15+22x1/2"+3/4"
TX63	Bent tap connector	15+22x1/2"+3/4"
TX68FF	Flat faced union adaptor	15x3/4"
TX68S	Cylinder union	22x1"
<b>Tectite 316</b>		
TS1	Straight coupling	15+54
TS2	Straight female connector	15+54x1/2"+2"
TS3	Tapered male connector	15+54x1/2"+2"
TS6	Reducer	18+54x15+42
TS12	Elbow	15+54



Type	Name	Dimension
TS12S	Street elbow	15+28
TS13	Male elbow	15+28x1/2"+1"
TS14	Female elbow	15+28x1/2"+1
TS15	Backplate elbow	15x1/2", 18x1/2", 22x3/4"
TS21	Obtuse elbow	15+54
TS21S	Obtuse street elbow	15+54
TS24	Equal tee	15+54
TS25	Tee, reduced branch	18+54x18+54x15+42
TS30	Female branch tee	15+42x15+42x1/2"
TS61	Stop end	15+54
TS62	Tap connector	15+22x1/2"+3/4"







## Product certificate K12080/10

Issued 2020-07-15

Replaces K12080/09

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### Tectite Push-fit fittings

#### STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

### Pegler Yorkshire Group Ltd.

as specified in this product certificate and marked with the Kiwa<sup>®</sup>-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K640 "Fittings to be tightened with matching compression tool, compression- and push fit fittings as part of appliances and installations" dated 02-10-2019.

Ron Scheepers  
Kiwa

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

# CERTIFICATE

286180711

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

## Tectite Push-fit fittings

## PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

## Tectite Sprint Series

## TT1 Straight coupling

Art. no.	Size
75500	10mm
75501	15mm
75502	22mm
75503	28mm

## TT2 Straight female connector

Art. no.	Size
75510	15mm x 1/2"
75511	22mm x 3/4"

## TT21 Obtuse elbow

Art. no.	Size
75701	12mm
75702	14mm
75551	15mm
75703	16mm
75704	18mm
75552	22mm
75553	28mm

## TT5 Tank connector

Art. no.	Size
75520	15mm x 1/2"
75521	22mm x 3/4"

## TT12 Elbow

Art. no.	Size
75530	10mm
75531	15mm
75532	22mm
75533	28mm

## TT13 Male elbow

Art. no.	Size
75540	15mm x 1/2"

## TT15 Backplate elbow

Art. no.	Size
75550	15mm x 1/2"

## TT26 Tee, one end reduced

Art. no.	Size
75582	22 x 15 x 15mm
75584	28 x 22 x 22mm

## TT25 Tee, reduced branch

Art. no.	Size
75565	15 x 15 x 10mm
75566	22 x 22 x 10mm
75567	22 x 22 x 15mm
75568	28 x 28 x 15mm
75569	28 x 28 x 22mm

## TT1R Reducing coupling

Art. no.	Size
75504	5 x 10mm
75505	22 x 15mm

## TT3 Straight male connector

Art. no.	Size
75515	15mm x 1/2"
75516	22mm x 3/4"
75518	28mm x 1"

## TT21S Obtuse street elbow

Art. no.	Size
75705	12mm
75706	14mm
75585	15mm
75707	16mm
75708	18mm
75586	22mm
75587	28mm

## TT6 Reducer

Art. no.	Size
75523	15 x 10mm
75525	22 x 15mm
75526	28 x 15mm
75527	28 x 22mm

## TT12S Street elbow

Art. no.	Size
75535	10mm
75536	10 x 15mm
75537	15mm
75538	22mm

## TT14 Female elbow

Art. no.	Size
75545	15mm x 1/2"

## TT24 Equal tee

Art. no.	Size
75555	10mm
75556	15mm
75557	22mm
75558	28mm

## TT26 Tee, one end reduced

Art. no.	Size
75573	22 x 15 x 22mm
75574	28 x 15 x 28mm
75575	28 x 22 x 28mm

## Tectite Push-fit fittings

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### Tectite Sprint series (continued)

#### TT62 Tap connector

Art. no.	Size
75600	10mm x 1/2"
75601	15mm x 1/2"
75603	22mm x 3/4"

#### TT61 Stop end

Art. no.	Size
75590	10mm
75591	15mm
75592	22mm
75593	28mm

#### TT63 Bent tap connector

Art. no.	Size
75604	10mm x 1/2"
75605	15mm x 1/2"

## Tectite Push-fit fittings

## Tectite Pro Series

## TX1 Straight coupling

Art. no.	Size
65114	15mm
65121	22mm
65123	28mm
65126	35mm
65128	42mm
65130	54mm

## TX1 Slip straight coupling, slip pattern

Art. no.	Size
65141	15mm
65143	22mm
65144	28mm
65145	35mm
65146	42mm
65147	54mm

## TX2 Straight female connector

Art. no.	Size
65206	15mm x 1/2"
65222	22mm x 3/4"
65223	22mm x 1"
65225	28mm x 1"
45230	35mm x 1 3/4"
45232	42mm x 1 1/2"
45234	54mm x 2"

## TX3 Tapered male connector

Art. no.	Size
65267	15mm x 1/2"
65292	22mm x 3/4"
65294	22mm x 1"
65296	28mm x 1"
45310	35mm x 1 1/4"
45312	42mm x 1 1/2"
45314	54mm x 2"

## TX3P Straight male connector

Art. no.	Size
65358	15mm x 1/2"
65366	22mm x 3/4"
65368	22mm x 1"
65370	28mm x 1"

## TX6 Reducer

Art. no.	Size
65426	22 x 15mm
65435	28 x 15mm
65438	28 x 22mm
45450	35 x 15mm
45452	35 x 22mm
45454	35 x 28mm
45456	42 x 15mm
45458	42 x 22mm
45460	42 x 28mm
45462	42 x 35mm
45464	54 x 15mm
45466	54 x 22mm
45468	54 x 28mm
45470	54 x 35mm
45472	54 x 42mm

## TX12 Elbow\*

Art. no.	Size
65516	15mm
65524	22mm
65526	28mm
45530	35mm
45532	42mm
45334	54mm

## TX13 Male elbow

Art. no.	Size
65561	15mm x 1/2"
65576	22mm x 3/4"
65578	28mm x 1"

## TX15 Backplate elbow

Art. no.	Size
65646	15mm x 1/2"

## TX21S Obtuse street elbow

Art. no.	Size
65542	15mm
65545	22mm
65546	28mm
45547	35mm
45548	42mm
45549	54mm

## TX12S Street elbow

Art. no.	Size
65496	15mm
65500	22mm
65502	28mm

## TX14 Female elbow

Art. no.	Size
65606	15mm x 1/2"
65620	22mm x 3/4"
65622	28mm x 1"

## TX21 Obtuse elbow

Art. no.	Size
65535	15mm
65538	22mm
65539	28mm
45540	35mm
45541	42mm
45558	54mm

## Tectite Push-fit fittings

## Tectite Pro series (continued)

**TX27 Tee, one end branch reduced**

Art. no.	Size
65820	22 x 15 x 15mm
65822	28 x 22 x 22mm

**TX25 Tee, reduced branch**

Art. no.	Size
65737	22 x 22 x 15mm
65744	28 x 28 x 15mm
65746	28 x 28 x 22mm
45750	35 x 35 x 15mm
45752	35 x 35 x 22mm
45753	35 x 35 x 28mm
45754	42 x 42 x 15mm
45756	42 x 42 x 22mm
45758	42 x 42 x 28mm
45760	54 x 54 x 15mm
45762	54 x 54 x 22mm
45764	54 x 54 x 28mm
45765	54 x 54 x 35mm

**TX61 Stop end**

Art. no.	Size
65866	15mm
65874	22mm
65876	28mm
65878	35mm
65880	42mm
65882	54mm

**TX62 Tap connector**

Art. no.	Size
65902	15mm x 1/2"
65171	15mm x 3/4"
65903	22mm x 3/4"

**TX24 Equal tee**

Art. no.	Size
65666	15mm
65676	22mm
65680	28mm
45680	35mm
45682	42mm
45684	54mm

**TX26 Tee, one end reduced**

Art. no.	Size
65786	22 x 15 x 22mm
65790	28 x 15 x 28mm
65793	28 x 22 x 28mm

**TX30 Female branch tee**

Art. no.	Size
65840	15 x 15 x 1/2"
65845	22 x 22 x 1/2"
65848	35 x 35 x 1/2"
65850	42 x 42 x 1/2"

**TX68S Cylinder union**

Art. no.	Size
65930	22mm x 1"

**TX68FF Flat faced union adaptor**

Art. no.	Size
65759	15mm x 3/4"

**TX63 Bent tap connector**

Art. no.	Size
65922	15mm x 1/2"
65924	22mm x 3/4"

## Tectite Push-fit fittings

## Tectite Classic series

## T1 Straight coupling

Art. no.	Size
45108	10mm
45110	12mm
45112	14mm
45114	15mm
45116	16mm
45118	18mm
45120	20mm
45121	22mm
45123	28mm

## T1R Reducing coupling

Art. no.	Size
45155	12 x 10mm
45157	14 x 12mm
45159	15 x 10mm
45161	15 x 12mm
45163	16 x 12mm
45165	16 x 14mm
45167	18 x 15mm
45168	20 x 18mm
45170	22 x 10mm
45172	22 x 15mm
45174	22 x 18mm
45178	28 x 22mm

## T2 Straight female connector

Art. no.	Size
45190	10mm x $\frac{3}{8}$ "
45192	10mm x $\frac{1}{2}$ "
45194	12mm x $\frac{3}{8}$ "
45196	12mm x $\frac{1}{2}$ "
45200	14mm x $\frac{3}{8}$ "
45202	14mm x $\frac{1}{2}$ "
45204	15mm x $\frac{3}{8}$ "
45206	15mm x $\frac{1}{2}$ "
45208	15mm x $\frac{3}{4}$ "
45210	18mm x $\frac{1}{2}$ "
45212	18mm x $\frac{3}{4}$ "
45220	22mm x $\frac{1}{2}$ "
45222	22mm x $\frac{3}{4}$ "
45223	22mm x 1"
45224	28mm x $\frac{3}{4}$ "
45225	28mm x 1"

## T3 Tapered male connector

Art. no.	Size
45250	10mm x $\frac{3}{8}$ "
45252	10mm x $\frac{1}{2}$ "
45254	12mm x $\frac{3}{8}$ "
45256	12mm x $\frac{1}{2}$ "
45265	15mm x $\frac{3}{8}$ "
45267	15mm x $\frac{1}{2}$ "
45286	18mm x $\frac{1}{2}$ "
45288	18mm x $\frac{3}{4}$ "
45290	22mm x $\frac{1}{2}$ "
45292	22mm x $\frac{3}{4}$ "
45294	22mm x 1"
45296	28mm x 1"

## T3P Straight male connector

Art. no.	Size
45350	12mm x $\frac{3}{8}$ "
45354	14mm x $\frac{3}{8}$ "
45356	14mm x $\frac{1}{2}$ "
45358	15mm x $\frac{1}{2}$ "
45360	15mm x $\frac{3}{4}$ "
45362	16mm x $\frac{1}{2}$ "
45364	22mm x $\frac{1}{2}$ "
45366	22mm x $\frac{3}{4}$ "
45368	22mm x 1"
45370	28mm x 1"

## T5 Tank connector

Art. no.	Size
45390	15mm x $\frac{1}{2}$ "
45394	22mm x $\frac{1}{2}$ "
45396	28mm x 1"

## T12 Elbow

Art. no.	Size
45510	10mm
45512	12mm
45514	14mm
45516	15mm
45518	16mm
45520	18mm
45522	20mm
45524	22mm
45526	28mm



## Tectite Push-fit fittings

## Tectite Classic series (continued)

## T12S Street elbow

Art. no.	Size
45490	10mm
45492	12mm
45494	10 x 15mm
45496	15mm
45498	18mm
45500	22mm
45502	28mm

## T13 Male elbow

Art. no.	Size
45550	10mm x $\frac{3}{8}$ "
45552	10mm x $\frac{1}{2}$ "
45554	12mm x $\frac{3}{8}$ "
45556	12mm x $\frac{1}{2}$ "
45560	14mm x $\frac{1}{2}$ "
45561	15mm x $\frac{1}{2}$ "
45563	16mm x $\frac{1}{2}$ "
45564	16mm x $\frac{3}{4}$ "
45569	18mm x $\frac{1}{2}$ "
45570	18mm x $\frac{3}{4}$ "
45576	22mm x $\frac{3}{4}$ "
45578	28mm x 1"

## T21 Obtuse elbow

Art. no.	Size
45531	12mm
45533	14mm
45535	15mm
45536	16mm
45537	18mm
45538	22mm
45539	28mm

## T24 Equal tee

Art. no.	Size
45660	10mm
45662	12mm
45664	14mm
45666	15mm
45668	16mm
45670	18mm
45674	20mm
45676	22mm
45678	28mm

## T6 Reducer

Art. no.	Size
45410	12 x 10mm
45414	14 x 12mm
45416	15 x 10mm
45418	15 x 12mm
45420	16 x 12mm
45421	16 x 14mm
45423	18 x 12mm
45424	18 x 15mm
45425	22 x 12mm
45426	22 x 15mm
45430	22 x 18mm
45435	28 x 15mm
45437	28 x 18mm
45438	28 x 22mm

## T15 Backplate elbow

Art. no.	Size
45630	10mm x $\frac{1}{2}$ "
45638	12mm x $\frac{1}{2}$ "
45640	14mm x $\frac{1}{2}$ "
45646	15mm x $\frac{1}{2}$ "
45648	16mm x $\frac{1}{2}$ "
45650	18mm x $\frac{1}{2}$ "
45652	18mm x $\frac{3}{4}$ "
45654	22mm x $\frac{3}{4}$ "

## T21S Obtuse street elbow

Art. no.	Size
45528	12mm
45529	14mm
45542	15mm
45543	16mm
45544	18mm
45545	22mm
45546	28mm

## T25 Tee, reduced branch

Art. no.	Size
45700	12 x 12 x 10mm
45710	14 x 14 x 12mm
45715	15 x 15 x 10mm
45717	15 x 15 x 12mm
45719	16 x 16 x 12mm
45722	16 x 16 x 14mm
45724	18 x 18 x 14mm
45726	20 x 20 x 16mm
45730	22 x 22 x 10mm
45736	22 x 22 x 14mm
45737	22 x 22 x 15mm
45739	22 x 22 x $\tilde{16}$ mm
45742	22 x 22 x 18mm
45744	28 x 28 x 15mm
45745	28 x 28 x $\tilde{18}$ mm
45746	28 x 28 x $\tilde{22}$ mm

## Tectite Push-fit fittings

## Tectite Classic series (continued)

## T26 Tee, one end reduced

Art. no.	Size
45780	15 x 10 x 15mm
45786	22 x 15 x 22mm
45788	22 x 18 x 22mm
45790	28 x 15 x 28mm
45792	28 x 18 x 28mm
45793	28 x 22 x 28mm

## T30 Female branch tee

Art. no.	Size
45823	12 x 12mm x 1/2"
45840	15 x 15mm x 1/2"
45825	16 x 16mm x 1/2"
45845	22 x 22mm x 1/2"
45846	22 x 22mm x 3/4"

## T14 Female elbow

Art. no.	Size
45590	10mm x 3/8"
45592	10mm x 1/2"
45594	12mm x 3/8"
45596	12mm x 1/2"
45600	14mm x 1/2"
45606	15mm x 1/2"
45608	16mm x 1/2"
45609	16mm x 3/4"
45614	18mm x 1/2"
45615	18mm x 3/4"
45620	22mm x 3/4"
45622	28mm x 1"

## T62S Tap connector

Art. no.	Size
45910	15mm x 1/2"
45912	15mm x 3/4"
45914	22mm x 3/4"

## T68FF Flat faced union adaptor\*

Art. no.	Size
4075	15mm x 3/4"

## TM81 Manifold

Art. no.	Size
45942	22 x 22 x 10 x 10mm

## T27 Tee, one end and branch reduced

Art. no.	Size
45810	15 x 10 x 10mm
45812	15 x 12 x 12mm
45815	16 x 14 x 14mm
45819	22 x 18 x 18mm
45820	22 x 15 x 15mm
45821	28 x 18 x 18mm
45822	28 x 22 x 22mm

## T61 Stop end

Art. no.	Size
45860	10mm
45862	12mm
45864	14mm
45866	15mm
45868	16mm
45870	18mm
45872	20mm
45874	22mm
45876	28mm

## T62 Tap connector

Art. no.	Size
45900	10mm x 1/2"
45902	15mm x 1/2"
45171	15mm x 3/4"
45903	22mm x 3/4"

## T63 Bent tap connector

Art. no.	Size
45920	10mm x 1/2"
45922	15mm x 1/2"
45924	22mm x 3/4"

## TM80 Manifold\*

Art. no.	Size
45940	22 x 22 x 10mm

## Tectite Push-fit fittings

## Tectite 316 SS series\* (stainless steel)

**TS1 Straight coupling**

Art. no.	Size
25114	15mm
25118	18mm
25121	22mm
25123	28mm
25126	35mm
25128	42mm
25130	54mm

**TS3 Tapered male connector**

Art. no.	Size
25267	15mm x 1/2"
25286	18mm x 1/2"
25288	18mm x 3/4"
25292	22mm x 3/4"
25296	28mm x 1"
25310	35mm x 1 1/4"
25312	42mm x 1 1/2"
25314	54mm x 2"

**TS12 Elbow**

Art. no.	Size
25516	15mm
25520	18mm
25524	22mm
25528	28mm
25530	35mm
25532	42mm
25334	54mm

**TS13 Male elbow**

Art. no.	Size
25561	15mm x 1/2"
25569	18mm x 1/2"
25576	22mm x 3/4"
25578	28mm x 1"

**TS15 Back plate elbow**

Art. no.	Size
25646	15mm x 1/2"
25650	18mm x 1/2"
25654	22mm x 3/4"

**TS2 Straight female connector**

Art. no.	Size
25206	15mm x 1/2"
25210	18mm x 1/2"
25212	18mm x 3/4"
25220	22mm x 1/2"
25222	22mm x 3/4"
25225	28mm x 1"
25230	35mm x 1 1/4"
25232	42mm x 1 1/2"
25234	54mm x 2"

**TS6 Reducer**

Art. no.	Size
25424	18 x 15mm
25426	22 x 15mm
25430	22 x 18mm
25435	28 x 15mm
25437	28 x 18mm
25438	28 x 22mm
25452	35 x 22mm
25454	35 x 28mm
25458	42 x 22mm
25460	42 x 28mm
25462	42 x 35mm
25470	54 x 35mm
25472	54 x 42mm

**TS12S Street elbow**

Art. no.	Size
25496	15mm
25498	18mm
25500	22mm
25502	28mm

**TS14 Female elbow**

Art. no.	Size
25606	15mm x 1/2"
25614	18mm x 1/2"
25615	18mm x 3/4"
25620	22mm x 3/4"
25622	28mm x 1"

**TS21 Obtuse elbow**

Art. no.	Size
26043	15mm
26045	18mm
26047	22mm
26048	28mm
26049	35mm
26050	42mm
26051	54mm

## Tectite Push-fit fittings

## Tectite 316 SS series (continued)

**TS12S Obtuse street elbow**

Art. no.	Size
26063	15mm
26065	18mm
26067	22mm
26068	28mm
26069	35mm
26010	42mm
26071	54mm

**TS25 Tee, reduced branch**

Art. no.	Size
25725	18 x 18 x 15mm
25737	22 x 22 x 15mm
25742	22 x 22 x 18mm
25744	28 x 28 x 15mm
25745	28 x 28 x 18mm
25746	28 x 28 x 22mm
25750	35 x 35 x 15mm
25752	35 x 35 x 22mm
25753	35 x 35 x 28mm
25756	42 x 42 x 22mm
25758	42 x 42 x 28mm
25762	54 x 54 x 22mm
25764	54 x 54 x 28mm
25765	54 x 54 x 35mm
25766	54 x 54 x 42mm

**TS61 Stop end**

Art. no.	Size
25866	15mm
25870	18mm
25874	22mm
25876	28mm
25878	35mm
25880	42mm
25882	54mm

**TS24 Equal tee**

Art. no.	Size
25666	15mm
25670	18mm
25676	22mm
25678	28mm
25680	35mm
25682	42mm
25684	54mm

**TS30 Female branch tee**

Art. no.	Size
25840	15 x 15mm x 1/2"
25843	18 x 18mm x 1/2"
25845	22 x 22mm x 1/2"
25846	22 x 22mm x 3/4"
25847	28 x 28mm x 1/2"
25848	35 x 35mm x 1/2"
25850	42 x 42mm x 1/2"

**TS62 Tap connector**

Art. no.	Size
25902	15mm x 1/2"
25903	22mm x 3/4"

## Tectite Push-fit fittings

**TS1 Straight coupling**

Art. no.	Size
25114	15mm
25118	18mm
25121	22mm
25123	28mm
25126	35mm
25128	42mm
25130	54mm

**TS2 Straight female connector**

Art. no.	Size
25206	15mm x 1/2"
25210	18mm x 1/2"
25212	18mm x 3/4"
25220	22mm x 1/2"
25222	22mm x 3/4"
25225	28mm x 1"
25230	35mm x 1 1/4"
25232	42mm x 1 1/2"
25234	54mm x 2"

**TS3 Tapered male connector**

Art. no.	Size
25267	15mm x 1/2"
25286	18mm x 1/2"
25288	18mm x 3/4"
25292	22mm x 3/4"
25296	28mm x 1"
25310	35mm x 1 1/4"
25312	42mm x 1 1/2"
25314	54mm x 2"

**TS6 Reducer**

Art. no.	Size
25424	18 x 15mm
25426	22 x 15mm
25430	22 x 18mm
25435	28 x 15mm
25437	28 x 18mm
25438	28 x 22mm
25452	35 x 22mm
25454	35 x 28mm
25458	42 x 22mm
25460	42 x 28mm
25462	42 x 35mm
25470	54 x 35mm
25472	54 x 42mm

**TS12 Elbow**

Art. no.	Size
25516	15mm
25520	18mm
25524	22mm
25528	28mm
25530	35mm
25532	42mm
25334	54mm

**TS12S Street elbow**

Art. no.	Size
25496	15mm
25498	18mm
25500	22mm
25502	28mm

**TS13 Male elbow**

Art. no.	Size
25561	15mm x 1/2"
25569	18mm x 1/2"
25576	22mm x 3/4"
25578	28mm x 1"

**TS14 Female elbow**

Art. no.	Size
25606	15mm x 1/2"
25614	18mm x 1/2"
25615	18mm x 3/4"
25620	22mm x 3/4"
25622	28mm x 1"

**TS15 Back plate elbow**

Art. no.	Size
25646	15mm x 1/2"
25650	18mm x 1/2"
25654	22mm x 3/4"

**TS21 Obtuse elbow**

Art. no.	Size
26043	15mm
26045	18mm
26047	22mm
26048	28mm
26049	35mm
26050	42mm
26051	54mm

## Tectite Push-fit fittings

## Tectite 316 SS series (continued)

**TS12S Obtuse street elbow**

Art. no.	Size
26063	15mm
26065	18mm
26067	22mm
26068	28mm
26069	35mm
26010	42mm
26071	54mm

**TS25 Tee, reduced branch**

Art. no.	Size
25725	18 x 18 x 15mm
25737	22 x 22 x 15mm
25742	22 x 22 x 18mm
25744	28 x 28 x 15mm
25745	28 x 28 x 18mm
25746	28 x 28 x 22mm
25750	35 x 35 x 15mm
25752	35 x 35 x 22mm
25753	35 x 35 x 28mm
25756	42 x 42 x 22mm
25758	42 x 42 x 28mm
25762	54 x 54 x 22mm
25764	54 x 54 x 28mm
25765	54 x 54 x 35mm
25766	54 x 54 x 42mm

**TS61 Stop end**

Art. no.	Size
25866	15mm
25870	18mm
25874	22mm
25876	28mm
25878	35mm
25880	42mm
25882	54mm

**TS24 Equal tee**

Art. no.	Size
25666	15mm
25670	18mm
25676	22mm
25678	28mm
25680	35mm
25682	42mm
25684	54mm

**TS30 Female branch tee**

Art. no.	Size
25840	15 x 15mm x 1/2"
25843	18 x 18mm x 1/2"
25845	22 x 22mm x 1/2"
25846	22 x 22mm x 3/4"
25847	28 x 28mm x 1/2"
25848	35 x 35mm x 1/2"
25850	42 x 42mm x 1/2"

**TS62 Tap connector**

Art. no.	Size
25902	15mm x 1/2"
25903	22mm x 3/4"



Tectite Push-fit fittings

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## Tectite 2013 series

**T1/T270 Coupling**

Art. no.	Size
45114	15 mm
45121	22 mm

**T3P Male Coupling**

Art. no.	Size
45358	15 mm x ½

**T6/T243 Reducer**

Art. no.	Size
45426	22 x 15 mm

**T12/T090 Elbow**

Art. no.	Size
45516	15 mm
45524	22 mm

**T12S/T092 Street Elbow**

Art. no.	Size
45496	15 mm
45500	22 mm

**T24/T130 Equal Tee**

Art. no.	Size
45666	15 mm
45676	22 mm

**T25/T130 Tee**

Art. no.	Size
45737	22 x 22 x 15 mm / 22 x 15 x 22 mm

**T26/T130 Tee**

Art. no.	Size
45786	22 x 15 x 22 mm / 22 x 22 x 15 mm

**T27/T130 Tee Reduced End Branch**

Art. no.	Size
45820	22 x 15 x 15 mm

**T61/T301 Stop end**

Art. no.	Size
45866	15 mm
45874	22 mm

**T62/T062 Tap Connector**

Art. no.	Size
45902	15 mm x ½ St
45171	15 mm x ¾ St
45903	22 mm x ¾

## Tectite Push-fit fittings

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### Fitness for contact with drinking water



This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

### MARKING

The Kiwa®-mark products are marked with the word mark "KIWA  or the abbreviated word mark . Place of the mark: on the fitting.

\*) for small fittings marking with only KK is permitted

Compulsory specifications:

- name or mark of manufacturer: on the fitting;
- nominal diameter of the connecting pipe: on the fitting.

Method of marking:

- Non-erasable;
- visible after assembly.

### APPLICATION AND USE

Fittings to be tightened with matching compression tool, compression- and push fit fittings as part of an appliance or installation are to be applied in tap water installations with a maximum working pressure of 1000 kPa and a maximum water temperature of 90°C.

### RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Pegler Yorkshire Group Ltd.
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.

# Tectite Sprint, Push-fit fittings

Holder/Issued to

## Pegler Yorkshire Group Ltd

St. Catherine's Avenue, Doncaster, South Yorkshire, DN4 8DF.

VAT nr: GB 418013192.

Phone: +44 1302 560 240, Fax: +44 1302 560 203.

Web: [www.pegleryorkshire.co.uk](http://www.pegleryorkshire.co.uk)

### Product description

Tectite Sprint push-fit fitting consists of body manufactured from copper or DZR brass alloy, grab ring of stainless steel and O-ring of EPDM rubber.

Fittings are available with different design in following sizes: 10, 12, 15, 18, 22 and 28mm.

At installation with chrome plated tubes scribe tool recommended by approval holder needs to be used.

### Intended use

Push-fit fittings for hot and cold drinking water as well as closed heating systems where the water quality is comparable with water from the municipal facility. The maximum operating pressure is 1.0 MPa where water temperature momentarily does not exceed 95 ° C or continuously does not exceed 70 ° C.

Push-fit fittings with dimension 10, 12, 15, 18, 22 and 28 mm are intended for jointing soft (R220), half hard (R250) and hard (R290) unplated copper tubes.

Push-fit fittings with dimensions 10, 12, 15, 18 and 22 mm are intended for chrome plated copper tubes.

When jointing soft copper tubes, inserts needs to be used.

### Trade name

Tectite Sprint.

### Approval

The products satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Tap water installations\*

6:62, 1<sup>st</sup> sentence and paragraph  
and 2<sup>nd</sup> paragraph and general  
recommendation

Design

6:625, 1<sup>st</sup> and 4<sup>th</sup> paragraph

\*Fittings complies with Boverkets (the National Board of Housing, Building and Planning) updated threshold value for max. amount of dissolved lead as described in BBR 21, 2014-06-17.

### Associated documents

Installation instruction Tectite, dated 2012-04-04.

Type approval SC0381-10 | 2017-11-17

RISE Research Institutes of Sweden AB | Certification  
Box 857, SE-501 15 Borås, Sweden  
Phone: +46 10-516 50 00  
certifiering@ri.se | www.ri.se

2017-07-05



7P01500 (PX04724)



## Control

The factory production control (FPC) is monitored by an independent inspection body.  
Control agreement: no. 127894 with appendix dated 2010-08-30. Inspection body: MPA NRW.

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

## Manufacturing place

Production control includes the following place:  
Pegler Yorkshire Budapest, Hungary.

## Marking

The products are to be marked at the factory. The marking consists of a text on fittings and a label on every packing supplied and includes:

### Fittings are marked with:

Brand name  
Dimension

### Packagings are marked with:

Approval holder  
Boverket's registered trademark  
Certification body and accreditation number  
Product type designation  
Approval number  
Dimension  
Consecutive manufacture date  
Inspection body

**TECTITE SPRINT**  
**mm**

**Pegler Yorkshire Ltd**  
**✚**  
**RISE Certifying 1002**  
**product type**  
**SC0381-10**  
**mm**  
**date**  
**MPA NRW**

## Basis for judgement/approval

Report no. 467200-1, 467200-2 and 479157 from DTI, Denmark.  
Report no. 120004810-3 from MPA, Germany.  
Report no. 98E13192A from SP Technical Research Institute of Sweden.

## Comments

The Push-fit fittings are approved in accordance with NKB Product Rules no. 12 "Mechanical couplings of metal for copper pipes for drinking water installations," dated October 1989. This approval supersedes the previous approval with the same number dated 24 May 2012

### Validity

Valid through 2022-11-16.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Stefan Coric

Marcus Tillman

*This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.*

# CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R\*.1321-52 du code de la santé publique

## ATTESTATION DE CONFORMITE SANITAIRE Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé

Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

**Coordonnées du demandeur d'ACS / Contact details of the ACS owner :**

**Pegler Yorkshire Group Ltd**  
**St Catherines Avenue, Doncatser**  
**DN4 8DF, Royaume-Uni**

**Nom de l'accessoire représentatif / Reference of the representative accessory :**

**Raccord en cuivre / Copper fitting Tectite Sprint 75500 TT1/TT270 10mm Coupling**

**N° de dossier attribué par le laboratoire habilité / File reference :** **20 ACC LY 595**

**Date de réalisation des essais d'inertie selon la norme XP P41-280 : aucun essai de migration n'est nécessaire**

**Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS**

**Commentaires : Les composants organiques sont conformes à l'arrête du 29 mai 1997 modifié. Les composants métalliques sont conformes à l'arrêté du 25 juin 2020**

**Comments : Organic components are compliant with the decree dated 29th May 1997 modified. Metallic components are compliant with the decree dated 25th June 2020.**

**Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :**

**Raccords en cuivre / Copper fittings**

**Références / References :**

**Voir Annexe Jointe / See Annex Enclosed**

**( 3 pages)**

**Attestation délivrée par / Certificate issued by :**

**Christelle AUTUGELLE**

**Signature :**

**Responsable MCDE**

**CARSO - L.S.E.H.L.**

**Date de délivrance / Date of issue :** **23 Novembre 2020**

**Date d'expiration / Expiry date :** **14 Septembre 2024**

**Commentaires / Comments :** **Renouvellement / Renewal 15 ACC LY 092**



ANNEXE à l'ACS 20 ACC LY 595

Raccords en cuivre couverts par / *Copper fittings covered with*  
ACS 20 ACC LY 595

75500	TT1/TT270 10mm Coupling
75501	TT1/TT270 15mm Coupling
75502	TT1/TT270 22mm Coupling
75503	TT1/TT270 28mm Coupling
75504	TT1R/TT240 15x10mm Red Coupling
75505	TT1R/TT240 22x15mm Red Coupling
75510	TT2/TT270G 15X1/2 FEMALE CPLNG
75511	TT2/TT270G 22X3/4 FEMALE CPLNG
75515	TT3/TT243G 15X1/2 MALE COUPLING
75516	TT3/TT243G 22X3/4 MALE COUPLING
75518	TT3/TT243G 28X1 MALE COUPLING
75520	TT5 15X1/2 TANK COUPLING
75521	TT5 22x3/4 Tank Coupling
75523	TT6/TT243 15x10mm Reducer
75524	TT6/TT243 15x12mm Reducer
75525	TT6/TT243 22x15mm Reducer
75526	TT6/TT243 28x15mm Reducer
75527	TT6/TT243 28x22mm Reducer
75530	TT12/TT090 10mm Elbow
75531	TT12/TT090 15mm Elbow
75532	TT12/TT090 22mm Elbow
75533	TT12/TT090 28mm Elbow
75535	TT12S/TT092 10mm Street Elbow
75536	TT12S/TT092 10x15S Strt Red Elbow
75537	TT12S/TT092 15mm Street Elbow
75538	TT12S/TT092 22mm Street Elbow
75540	TT13/TT092G 15X1/2 MALE ELBOW
75545	TT14/TT090G 15X1/2 FEMALE ELBOW
75548	TT15/TT471G 12X1/2 BACKPLATE ELB
75550	TT15/TT471G 15X1/2 BACKPLATE ELB
75551	TT21/TT041 15mm Obtuse Elbow
75552	TT21/TT041 22mm Obtuse Elbow
75553	TT21/TT041 28mm Obtuse Elbow
75555	TT24/TT130 10mm Equal Tee
75556	TT24/TT130 15mm Equal Tee
75557	TT24/TT130 22mm Equal Tee
75558	TT24/TT130 28mm Equal Tee
75565	TT25 15x15x10 /TT130 15x10x15 Tee

75566	TT25 22x22x10/TT130 22x10x22 Tee
75567	TT25 22x22x15/TT130 22x15x22 Tee
75568	TT25 28x28x15/TT130 28x15x28 Tee
75569	TT25 28x28x22 /TT130 28x22x28 Tee
75573	TT26 22x15x22/TT130 22x22x15 Tee
75574	TT26 28x15x28/TT130 28x28x15 Tee
75575	TT26 28x22x28/TT130 28x28x22 Tee
75582	TT27/TT130 22x15x15 Tee RedEndBch
75584	TT27/TT130 28x22x22 Tee RedEndBch
75585	TT21S/TT040 15mm Obtuse Street El
75586	TT21S/TT040 22mm Obtuse Street El
75587	TT21S/TT040 28mm Obtuse Street El
75590	TT61/TT301 10mm Stop End
75591	TT61/TT301 15mm Stop End
75592	TT61/TT301 22mm Stop End
75593	TT61/TT301 28mm Stop End
75600	TT62/TT062 10MMX1/2 STR TAP CONN
75601	TT62/TT062 15MMX1/2 STR TAP CONN
75603	TT62/TT062 22MMX3/4 STR TAP CONN
75604	TT63/TT063 10X1/2 BENT TAP CONN
75605	TT63/TT063 15X1/2 BENT TAP CONN
75660	TT1/TT270 12mm Coupling
75661	TT1/TT270 14mm Coupling
75663	TT1/TT270 18mm Coupling
75664	TT1R/TT240 14x12mm Red Coupling
75665	TT1R/TT240 15x12mm Red Coupling
75667	TT1R/TT240 16x14mm Red Coupling
75668	TT1R/TT240 18x15mm Red Coupling
75671	TT1R/TT240 22x18mm Red Coupling
75673	TT2/TT270G 12X1/2 FEMALE CPLNG
75674	TT2/TT270G 14X3/8 FEMALE CPLNG
75675	TT2/TT270G 14X1/2 FEMALE CPLNG
75676	TT2/TT270G 16X1/2 FEMALE CPLNG
75677	TT2/TT270G 18X1/2 FEMALE CPLNG
75678	TT2/TT270G 28X1 FEMALE CPLNG
75679	TT3/TT243G 10x3/8 Male Coupling
75680	TT3/TT243G 10X1/2 MALE COUPLING
75681	TT3/TT243G 12X3/8 MALE COUPLING

ANNEXE à l'ACS 20 ACC LY 595

Raccords en cuivre couverts par / *Copper fittings covered with*  
ACS 20 ACC LY 595 (suite / 1<sup>st</sup>)

75682	TT3/TT243G 12X1/2 MALE COUPLING
75683	TT3/TT243G 14X3/8 MALE COUPLING
75684	TT3/TT243G 14X1/2 MALE COUPLING
75685	TT3/TT243G 16X1/2 MALE COUPLING
75687	TT3/TT243G 18X3/4 MALE COUPLING
75689	TT12/TT090 12mm Elbow
75690	TT12/TT090 14mm Elbow
75691	TT12/TT090 16mm Elbow
75692	TT12/TT090 18mm Elbow
75693	TT12S/TT092 12mm Street Elbow
75696	TT12S/TT092 18mm Street Elbow
75697	TT14/TT090G 14X1/2 FEMALE ELBOW
75698	TT14/TT090G 16X1/2 FEMALE ELBOW
75704	TT21/TT041 18mm Obtuse Elbow
75705	TT21S/TT040 12mm Obtuse Street El
75708	TT21S/TT040 18mm Obtuse Street El
75709	TT24/TT130 12mm Equal Tee
75710	TT24/TT130 14mm Equal Tee
75712	TT24/TT130 18mm Equal Tee
75714	TT25 15x15x12/TT130 15x12x15 Tee
75719	TT25 18x18x15/TT130 18x15x18 Tee
75722	TT25 22x22x18/TT130 22x18x22 Tee
75724	TT26 15x12x15/TT130 15x15x12 Tee
75731	TT61/TT301 12mm Stop End
75732	TT61/TT301 14mm Stop End
75733	TT61/TT301 16mm Stop End
75734	TT61/TT301 18mm Stop End
75736	TT62/TT062 12MMX3/8 STR TAP CONN
75740	TT62/TT062 16mmx3/4 Str Tap Conn
75831	TT14/TT090G 22x3/4 Female Elbow
75833	TT13/TT092G 22x3/4 Male Elbow
75835	TT2/TT270G 18x3/4 Strt Female Con
75900	TT1 35mm Coupling
75901	TT1 42mm Coupling
75902	TT1 54mm Coupling
75903	TT2/TT270G 35 x 1 1/4 Str Fem Con
75904	TT2/TT270G 42 x 1 1/2 Str Fem Con
75905	TT2/TT270G 54 x 2 Str Fem Con

75906	TT3 35 x 1 1/4 Str Male Con
75907	TT3 42 x 1 1/2 Str Male Con
75908	TT3 54 x 2 Str Male Con
75909	TT6 35x15mm Reducer
75910	TT6 35x22mm Reducer
75911	TT6 35x28mm Reducer
75913	TT6 42x22mm Reducer
75914	TT6 42x28mm Reducer
75915	TT6 42x35mm Reducer
75917	TT6 54x22mm Reducer
75918	TT6 54x28mm Reducer
75919	TT6 54x35mm Reducer
75920	TT6 54x42mm Reducer
75921	TT12 35mm Elbow
75922	TT12 42mm Elbow
75923	TT12 54mm Elbow
75924	TT12S 35mm Street Elbow
75925	TT12S 42mm Street Elbow
75926	TT12S 54mm Street Elbow
75927	TT21 35mm Obtuse Elbow
75928	TT21 42mm Obtuse Elbow
75929	TT21 54mm Obtuse Elbow
75930	TT21S 35mm Obtuse Street Elbow
75931	TT21S 42mm Obtuse Street Elbow
75932	TT21S 54mm Obtuse Street Elbow
75933	TT24 35mm Equal Tee
75934	TT24 42mm Equal Tee
75935	TT24 54mm Equal Tee
75937	TT25 35x35x22mm Tee
75940	TT25 42x42x22mm Tee
75944	TT25 54x54x22mm Tee
75959	TT30 35x35x1/2 FI Tee
75960	TT30 42x1/2 FI Tee
75961	TT30 54x1/2 FI Tee
75965	TT69 35 x 1.1/4 Str M/Union
75966	TT69 42 x 1.1/2 Str M/Union
75967	TT69 54 x 2 Str M/Union
75968	TT30 35 x 35x 3/4 FEM Tee

ANNEXE à l'ACS 20 ACC LY 595

Raccords en cuivre couverts par / *Copper fittings covered with*  
ACS 20 ACC LY 595 (suite et fin / *2<sup>nd</sup> and end*)

75969	TT30 42 x 42 x 3/4 FEM Tee
75970	TT30 54 x 54 x 3/4 FEM Tee
75971	TT30 54 x 54 x 1 FEM Tee
75852	TT12CP/TT090 12mm Elbow
75853	TT12CP/TT090 15mm Elbow
75854	TT12CP/TT090 22mm Elbow
75838	TT1CP/TT270 15mm Coupling
75839	TT1CP/TT270 22mm Coupling
75840	TT1RCP/TT240 15x10mm Red Coupling
75861	TT24CP/TT130 15mm Equal Tee
75862	TT24CP/TT130 22mm Equal Tee
75865	TT25CP 22x22x15/TT130 22x15x22 T
75869	TT26CP 22x15x22/TT130 22x22x15 T
75870	TT27CP/TT130 22x15x15 RedEndBch
75843	TT2CP/TT270G 15X1/2 FEMALE COUP
75845	TT3CP/TT243G 12x3/8 Male Coup
75847	TT3CP/TT243G 15X1/2 MALE COUP
75868	TT61CP/TT301 15mm Stop End
75850	TT6CP/TT243 22x15mm Reducer
75662	TT1/TT270 16mm Coupling
75695	TT12S/TT092 16mm Street Elbow
75703	TT21/TT041 16mm Obtuse Elbow

Christelle AUTUGELLE  
Responsable Laboratoire MCDE  
A la date du : 23 Novembre 2020

Signature :



**GODKENDELSESINDEHAVER:**

Aalberts Integrated Piping Systems UK  
St. Catherines Avenue  
GB-DN4 8DF Doncaster  
Telefon +44 113 2701104  
Telefax: +44 113 2725291  
Internet: www.pegleryorkshire.co.uk

**Dokumentation af mekaniske/fysiske karakteristika for:**

**Stikfittings til kobberør**

**TECTITE CLASSIC**

dim. 15 – 28 mm

**TECTITE SPRINT**


dim. 15 – 54 mm

**FABRIKAT:**

Aalberts Integrated Piping Systems UK

Der er med denne godkendelse alene taget stilling til Bygningsreglementets krav om dokumentation af de mekaniske/fysiske karakteristika jf. § 418.

**MÆRKNING:**

- Fabrikantmærke: TECTITE
- Dimension
- Godkendelsesnummer
- Godkendelsesmærke: 

Godkendelsesindehaver er pligtig til at sikre at kravene i Bygningsreglementets § 417 er opfyldt.

**BETINGELSER FOR MONTERING OG BRUG:**

Højeste forekommende driftstryk i installationen må ikke overstige 1000 kPa.

**KVALITETSKONTROL:**

Godkendelsesindehaver opretholder Obligatorisk kontrolaftale med Teknologisk Institut, Aarhus.

For rør i bygning skal samlingerne være udskiftelige og anbragt, så de er fritliggende, eller monteret i udspæringer 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.

Ved samling af bløde kobberør 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, type CW602N, CW724R, CW626N, CW617N, 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: 15 – 28 mm Forkromede kobberør: 15 – 15 mm

# NSF International

Recognises that

## Aalberts integrated piping systems Ltd

Has had the following products certified as complying with:

The mechanical requirements of Regulation 4.1.a of the Water Supply (Water Fittings) Regulations 1999 in England and Wales, the Water Supply (Water Fittings) (Scotland) Byelaws 2014 and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009

### 'Tectite Sprint' range of pushfit fittings

Copper Models: 75500 TT1/TT270 10mm Coupling, 75660 TT1/TT270 12mm Coupling, 75661 TT1/TT270 14mm Coupling, 75501 TT1/TT270 15mm Coupling, 75662 TT1/TT270 16mm Coupling, 75663 TT1/TT270 18mm Coupling, 75502 TT1/TT270 22mm Coupling, 75503 TT1/TT270 28mm Coupling, 75900 TT1/TT270 35mm Coupling, 75901 TT1/TT270 42mm Coupling, 75902 TT1/TT270 54mm Coupling, 75530 TT12/TT090 10mm Elbow, 75689 TT12/TT090 12mm Elbow, 75690 TT12/TT090 14mm Elbow, 75531 TT12/TT090 15mm Elbow, 75691 TT12/TT090 16mm Elbow, 75692 TT12/TT090 18mm Elbow, 75532 TT12/TT090 22mm Elbow, 75533 TT12/TT090 28mm Elbow, 75921 TT12/TT090 35mm Elbow, 75922 TT12/TT090 42mm Elbow, 75923 TT12/TT090 54mm Elbow, 75852 TT12CP/TT090 12mm Elbow, 75853 TT12CP/TT090 15mm Elbow, 75854 TT12CP/TT090 22mm Elbow, 75535 TT12S/TT092 10mm Street Elbow, 75536 TT12S/TT092 10mm x 15mm Strt Red Elbow, 75693 TT12S/TT092 12mm Street Elbow, 75537 TT12S/TT092 15mm Street Elbow, 75695 TT12S/TT092 16mm Street Elbow, 75696 TT12S/TT092 18mm Street Elbow, 75538 TT12S/TT092 22mm Street Elbow, 75924 TT12S/TT092 35mm Street Elbow, 75925 TT12S/TT092 42mm Street Elbow, 75926 TT12S/TT092 54mm Street Elbow, 75838 TT1CP/TT270 15mm Coupling, 75839 TT1CP/TT270 22mm Coupling, 75551 TT21/TT041 15mm Obtuse Elbow, 75703 TT21/TT041 16mm Obtuse Elbow, 75704 TT21/TT041 18mm Obtuse Elbow, 75552 TT21/TT041 22mm Obtuse Elbow, 75553 TT21/TT041 28mm Obtuse Elbow, 75927 TT21/TT041 35mm Obtuse Elbow, 75928 TT21/TT041 42mm Obtuse Elbow, 75929 TT21/TT041 54mm Obtuse Elbow, 75705 TT21S/TT040 12mm Obtuse Street El, 75585 TT21S/TT040 15mm Obtuse Street El, 75708 TT21S/TT040 18mm Obtuse Street El, 75586 TT21S/TT040 22mm Obtuse Street El, 75587 TT21S/TT040 28mm Obtuse Street El, 75930 TT21S/TT040 35mm Obtuse Street Elbow, 75931 TT21S/TT040 42mm Obtuse Street Elbow, 75932 TT21S/TT040 54mm Obtuse Street Elbow, 75555 TT24/TT130 10mm Equal Tee, 75709 TT24/TT130 12mm Equal Tee, 75710 TT24/TT130 14mm Equal Tee, 75556 TT24/TT130 15mm Equal Tee, 75712 TT24/TT130 18mm Equal Tee, 75557 TT24/TT130 22mm Equal Tee, 75558 TT24/TT130 28mm Equal Tee, 75933 TT24/TT130 35mm Equal Tee, 75934 TT24/TT130 42mm Equal Tee, 75935 TT24/TT130 54mm Equal Tee, 75861 TT24CP/TT130 15mm Equal Tee, 75862 TT24CP/TT130 22mm Equal Tee, 75565 TT25/TT130 15mm x 15mm x 10mm /TT130 15mm x 10mm x 15mm Tee, 75714 TT25/TT130 15mm x 15mm x 12mm /TT130 15mm x 12mm x 15mm Tee, 75719 TT25/TT130 18mm x 18mm x 15mm /TT130 18mm x 15mm x 18mm Tee, 75566 TT25/TT130 22mm x 22mm x 10mm /TT130 22mm x 10mm x 22mm Tee, 75567 TT25/TT130 22mm x 22mm x 15mm /TT130 22mm x 15mm x 22mm Tee, 75722 TT25/TT130 22mm x 18mm /TT130 22mm x 18mm x 22mm Tee, 75568 TT25/TT130 28mm x 28mm x 15mm /TT130 28mm x 15mm x 28mm Tee, 75569 TT25/TT130 28mm x 28mm x 22mm /TT130 28mm x 22mm x 28mm Tee, 75937 TT25/TT130 35mm x 35mm x 22mm Tee, 75940 TT25/TT130 42mm x 42mm x 22mm Tee, 75944 TT25/TT130 54mm x 54mm x 22mm Tee, 75865 TT25CP 22mm x 22mm x 15mm /TT130 22mm x 15mm x 22mm Tee, 75724 TT26 15mm x 12mm x 15mm /TT130 15mm x 15mm x 12mm Tee, 75573 TT26 22mm x 15mm x 22mm /TT130 22mm x 22mm x 15mm Tee, 75574 TT26 28mm x 15mm x 28mm /TT130 28mm x 28mm x 15mm Tee, 75575 TT26 28mm x 22mm x 28mm /TT130 28mm x 22mm x 28mm Tee, 75869 TT26CP 22mm x 15mm x 22mm /TT130 22mm x 22mm x 15mm Tee, 75582 TT27/TT130 22mm x 15mm x 15mm Tee RedEndBch, 75584 TT27/TT130 28mm x 22mm x 22mm Tee RedEndBch, 75870 TT27CP/TT130 22mm x 15mm x 15mm RedEndBch, 75520 TT5 15mm x 1/2" BSP (M) TANK COUPLING, 75521 TT5 22mm x 3/4" BSP (M) Tank Coupling, 75523 TT6/TT243 15mm x 10mm Reducer, 75524 TT6/TT243 15mm x 12mm Reducer, 75525 TT6/TT243 22mm x 15mm Reducer, 75526 TT6/TT243 28mm x 15mm Reducer, 75527 TT6/TT243 28mm x 22mm Reducer, 75909 TT6/TT243 35mm x 15mm Reducer, 75910 TT6/TT243 35mm x 22mm Reducer, 75911 TT6/TT243 35mm x 28mm Reducer, 75913 TT6/TT243 42mm x 22mm Reducer, 75914 TT6/TT243 42mm x 28mm Reducer, 75915 TT6/TT243 42mm x 35mm Reducer, 75917 TT6/TT243 54mm x 22mm Reducer, 75918 TT6/TT243 54mm x 28mm Reducer, 75919 TT6/TT243 54mm x 35mm Reducer, 75920 TT6/TT243 54mm x 42mm Reducer, 75590 TT61/TT301 10mm Stop End, 75731 TT61/TT301 12mm Stop End, 75732 TT61/TT301 14mm Stop End, 75591 TT61/TT301 15mm Stop End, 75733 TT61/TT301 16mm Stop End, 75734 TT61/TT301 18mm Stop End, 75592 TT61/TT301 22mm Stop End, 75593 TT61/TT301 28mm Stop End, 75868 TT61CP/TT301 15mm Stop End, 75600 TT62/TT062 10mm x 1/2" BSP (M) STR TAP CONN, 75736 TT62/TT062 12mm x 3/8" BSP (M) STR TAP CONN, 75601 TT62/TT062 15mm x 1/2" BSP (M) STR TAP CONN, 75740 TT62/TT062 16mm x 3/4" BSP (M) Str Tap Conn, 75603 TT62/TT062 22mm x 3/4" BSP (M) STR TAP CONN, 75604 TT63/TT063 10mm x 1/2" BSP (M) BENT TAP CONN, 75605 TT63/TT063 15mm x 1/2" BSP (M) BENT TAP CONN, 75850 TT6CP/TT243 22mm x 15mm Reducer. Brass Models: 75540 TT13/TT092G 15mm x 1/2" BSP (M) MALE ELBOW, 75833 TT13/TT092G 22mm x 3/4" BSP (M) Male Elbow, 75697 TT14/TT090G 14mm x 1/2" BSP (F) FEMALE ELBOW, 75545 TT14/TT090G 15mm x 1/2" BSP (F) FEMALE ELBOW, 75698 TT14/TT090G 16mm x 1/2" BSP (F) FEMALE ELBOW, 75831 TT14/TT090G 22mm x 3/4" BSP (F) Female Elbow, 75548 TT15/TT471G 12mm x 1/2" BSP (F) BACKPLATE ELB, 75550 TT15/TT471G 15mm x 1/2" BSP (F) BACKPLATE ELB, 75664 TT1R/TT240 14mm x 12mm Red Coupling, 75504 TT1R/TT240 15mm x 10mm Red Coupling, 75665 TT1R/TT240 15mm x 12mm Red Coupling, 75667 TT1R/TT240 16mm x 14mm Red Coupling, 75668 TT1R/TT240 18mm x 15mm Red Coupling, 75505 TT1R/TT240 22mm x 15mm Red Coupling, 75671 TT1R/TT240 22mm x 18mm Red Coupling, 75840 TT1RCP/TT240 15mm x 10mm Red Coupling, 75673 TT2/TT270G 12mm x 1/2" BSP (F) FEMALE CPLNG, 75675 TT2/TT270G 14mm x 1/2" BSP (F) FEMALE CPLNG, 75674 TT2/TT270G 14mm x 3/8" BSP (F) FEMALE CPLNG, 75510 TT2/TT270G 15mm x 1/2" BSP (F) FEMALE CPLNG, 75676 TT2/TT270G 16mm x 1/2" BSP (F) FEMALE CPLNG, 75677 TT2/TT270G 18mm x 1/2" BSP (F) FEMALE CPLNG, 75835 TT2/TT270G 18mm x 3/4" BSP (F) Strt Female Con, 75511 TT2/TT270G 22mm x 3/4" BSP (F), EMALE CPLNG, 75678 TT2/TT270G 28mm x 1" BSP (F) FEMALE CPLNG, 75903 TT2/TT270G 35mm x 1.1/4" BSP (F) Str Fem Con, 75904 TT2/TT270G 42mm x 1.1/2" BSP (F) Str Fem Con, 75905 TT2/TT270G 54mm x 2" BSP (F) Str Fem Con, 75843 TT2CP/TT270G 15mm x 1/2" BSP (F) FEMALE COUP, 75680 TT3/TT243G 10mm x 1/2" BSP (M) MALE COUPLING, 75679 TT3/TT243G 10mm x 3/8" BSP (M) Male Coupling.

Products appearing in the NSF official listing for the NSF REG4 Scheme are authorised to bear the NSF Mark below.



Certified Product to  
NSF REG4 S3

*Simon Warburton*

Simon Warburton – Certification Manager

Certificate: 391750/0122/S3  
Issue Date: 16<sup>th</sup> January 2022  
Expiry Date: Jan-2027



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