

**Tectite**  
METAL PUSH-FIT SYSTEM

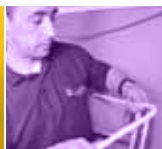
# Bending the rules of plumbing



[tectite.co.uk](http://tectite.co.uk)



Pegler Yorkshire



Every customer relies on you to do a good job, quickly, cleanly, cost-effectively and with no unexpected problems. You need to be sure that whatever you recommend and install today won't cause problems for you or your customers in the future. Your reputation depends on it.

Make sure you do it the Tectite way...

## All together better

Bringing the best of all worlds together in one place, that's the Tectite way.

- **Tectite Tube** - World's first Flexible Metal Tube in 15 and 22mm
- **Installed cost savings** - joints made in a fraction of the time
- **Heat free** - no hot work, so no risk of collateral damage to fixtures and fittings
- **Flux free** - less mess, less flush cleaning and less risk to heat exchangers and radiator valves
- **Rotatable joint** - makes working in confined spaces easier
- **Compatibility with pipe materials** - Copper, Stainless, Carbon, PEX and PB
- **Consistent visual appeal** - no verdigris, running solder or heat blackening
- **Low profile** - attractive and easy to insulate
- **High performance** - push fitting without compromising temperature and pressure capability: MOP 10 bar @ 114°C
- **Metal body** - resists rodent attack





**Page 4** **The Tectite System** - The Tectite system is a truly unique proposition offering you the performance and reliability of traditional metal systems and the flexibility of plastic push-fit

**Page 6** **Tectite Fittings** - fully demountable DZR brass fitting compatible with every domestic tube material on the market, including Tectite Flexible Metal Tube

**Page 16** **Tectite Tube** - manufactured with an integrated layer of Aluminium enabling the tube to retain the shape you mould it to, whether a 90° bend or a tight offset

**Page 19** **Tectite Valves** - Complete your flexible Metal Push-Fit system with a range of high quality valves including unique ball valves, TMV's and Tectite ended TRV's

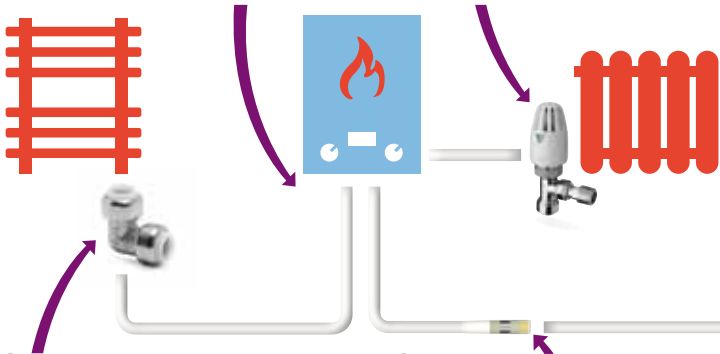
**Page 23** **Tectite Sprint** - A slim line, none demountable copper fitting offering superb value and impressive performance. Suitable for use with Copper, PB and PEX

**Page 30** **Tectite Tools and Accessories** - a range of tools designed to make installations more efficient and cost effective

# The Complete System

1 Connect Tectite Tube or fittings direct to the boiler\*

2 The valve range includes the Terrier thermostatic radiator valve with integrated Tectite connection. An energy efficient system upgrade with a time efficient installation



3 Performance and longevity aren't the only consideration in an installation, with Tectite Chrome fittings you can connect directly on to chrome tube providing a sleek and stylish finish

4 Tectite Tube offers installers the flexible installation of plastic with none of the compromise, suitable for use on central heating and potable water

\* Due to the Tectite Tube's metal construction and advanced TectSEAL™ 3PS there is no need for 1m of copper in some applications, connection is possible to a range of new boilers, consult the Tectite website for more guidance. Always refer to your boiler manufacturers installation instructions

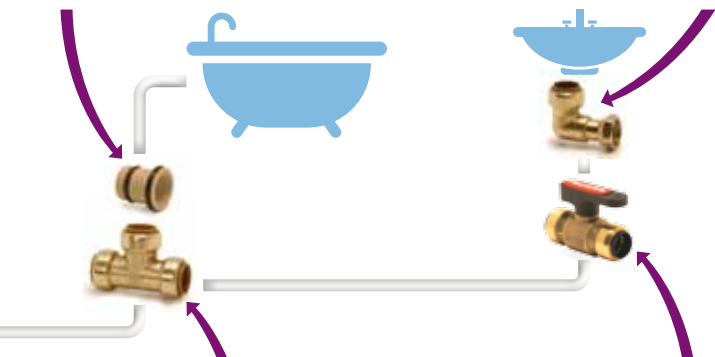
The Tectite Flexible Metal System offers you everything you need to provide your customers with the highest quality system on the market, from boiler\* to radiator and cylinder to tap.

5

TectSEAL™ 3PS features patented directional seals, pre-lubricated for reduced insertion force and a reliable seal every time

6

From tees to tap connectors, the Tectite range includes all of the fittings you need to install a high quality system



7

The Tectite Classic fitting provides the performance and reliability only metal can, an array of features ensure you leave the job today knowing it won't cause you problems tomorrow

8

The Tectite system draws on over 100 years of Pegler Yorkshire experience, with a range of Metal Push-Fit valves designed for performance and longevity



# Tectite Fitting

The Tectite fitting offers all the performance and integrity of metal, with the installation benefits of push-fit. Demountable, slim profile and compatible with most domestic tube materials, it's the only fitting you need to carry.



- 1 O Ring** - The pre-lubricated EPDM O Ring provides the water tight seal between the tube and fitting
- 2 Grab Ring** - The high performance stainless steel Grab Ring provides a mechanical grip on a variety of Tube materials, the grip first design prevents full bore failure once engaged
- 3 Metal Body** - The DZR brass body provides a stiff, strong and reliable joint with minimal expansion
- 4 Demountable** - Tectite Classic fittings are fully demountable, enabling system alterations, servicing or repairs. The polymer collar should be depressed using the Tectite demounting clip or tongs.

Compatible with:



**Tectite** Tube



Copper



PEX/PB



## DZR Copper and chrome plated push-fit fittings

		SIZE	BOX QTY	CODE
 <p><b>T1/T270</b> Straight Coupling Push-fit x push-fit</p>		10mm	10	45108
		15mm	10	45114
		22mm	5	45121
		28mm	5	45123
 <p><b>T1CP/T270</b> Straight Coupling Push-fit x push-fit</p>		10mm	10	45109
		15mm	10	45115
 <p><b>T1R/T240</b> Reducing Coupling Push-fit x push-fit</p>		15 x 10mm	10	45159
		22 x 10mm	5	45170
		22 x 15mm	5	45172
		28 x 22mm	2	45178
 <p><b>T1RCP/T240</b> Reducing Coupling Push-fit x push-fit</p>		15 x 10mm	10	45160
 <p><b>T1S/T270S</b> Slip Coupling Push-fit x push-fit</p>		15mm	10	45141
		22mm	5	45143
		28mm	5	45144



# Tectite Classic

		SIZE	BOX QTY	CODE
 <p><b>T2/T270G</b> <b>Straight Female Connector</b> Push-fit x BSP parallel female thread</p>		10mm x 3/8"	10	45190
		10mm x 1/2"	10	45192
		15mm x 3/8"	10	45204
		15mm x 1/2"	10	45206
		22mm x 1/2"	5	45220
		22mm x 3/4"	5	45222
		22mm x 1"	5	45223
		28mm x 3/4" 28mm x 1"	2 2	45224 45225
 <p><b>T2TCP/T270G</b> <b>Straight Female Connector</b> Push-fit x BSP parallel female thread</p>		10mm x 3/8"	10	45191
		10mm x 1/2"	10	45193
		15mm x 3/8"	10	45205
		15mm x 1/2"	10	45207
 <p><b>T3T/T243G</b> <b>Straight Male Connector</b> Push-fit x BSP taper male thread</p>		10mm x 3/8"	10	45250
		10mm x 1/2"	10	45252
		15mm x 3/8"	10	45265
		15mm x 1/2"	10	45267
		22mm x 1/2"	5	45290
		22mm x 3/4"	5	45292
		22mm x 1"	5	45294
		28mm x 1"	2	45296
 <p><b>T3TCP/T243G</b> <b>Straight Male Connector</b> Push-fit x BSP taper male thread</p>		10mm x 3/8"	10	45251
		10mm x 1/2"	10	45253
		15mm x 3/8"	10	45266
		15mm x 1/2"	10	45268
 <p><b>T3P/T243G</b> <b>Straight Male Connector</b> Push-fit x BSP parallel male thread</p>		10mm x 3/8"	10	45348
		10mm x 1/2"	10	45349
		15mm x 1/2"	10	45358
		22mm x 1/2"	5	45364
		22mm x 3/4"	5	45366
		22mm x 1"	5	45368
		28mm x 1"	2	45370





# Tectite Classic

		SIZE	BOX QTY	CODE
<b>T5</b> 	<b>Tank Connector</b> Push-fit x BSP parallel male thread with backnut	15mm x 1/2"	5	45390
		22mm x 3/4"	5	45394
		28mm x 1"	2	45396
<b>T6/T243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	15 x 10mm	10	45416
		22 x 15mm	5	45426
		28 x 15mm	5	45435
		28 x 22mm	5	45438
<b>T6CP/T243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	15 x 10mm	10	45417
<b>T12/T090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	45510
		15mm	10	45516
		22mm	5	45524
		28mm	5	45526
<b>T12CP/T090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	45511
		15mm	10	45517
<b>T12S/T092</b> 	<b>Street Elbow</b> Push-fit x male end for insertion into fitting	10mm	10	45490
		10 x 15mm	10	45494
		15mm	10	45496
		22mm	5	45500
		28mm	5	45502



# Tectite Classic

Demountable push-fit fittings for copper tube and plastic pipe

		SIZE	BOX QTY	CODE
	<b>Street Elbow</b> Push-fit x male end for insertion into fitting for use with radiator valves <i>Nickel plated finish</i>	10mm	10	45491
		10 x 15mm	10	45495
		15mm	10	45497
	<b>Male Elbow</b> Push-fit x BSP taper male thread	10mm x $\frac{3}{8}$ "	10	45550
		10mm x $\frac{1}{2}$ "	10	45552
		15mm x $\frac{1}{2}$ "	10	45561
		22mm x $\frac{3}{4}$ "	5	45576
		28mm x 1"	5	45578
	<b>Male Elbow</b> Push-fit x BSP taper male thread	10mm x $\frac{3}{8}$ "	10	45551
		10mm x $\frac{1}{2}$ "	10	45553
		15mm x $\frac{1}{2}$ "	10	45562
	<b>Female Elbow</b> Push-fit x BSP parallel female thread	10mm x $\frac{3}{8}$ "	10	45590
		10mm x $\frac{1}{2}$ "	10	45592
		15mm x $\frac{1}{2}$ "	10	45606
		22mm x $\frac{3}{4}$ "	5	45620
		28mm x 1"	2	45622
	<b>Female Elbow</b> Push-fit x BSP parallel female thread	10mm x $\frac{3}{8}$ "	10	45591
		10mm x $\frac{1}{2}$ "	10	45593
		15mm x $\frac{1}{2}$ "	10	45607
	<b>Backplate Elbow</b> Push-fit x BSP parallel female thread	15mm x $\frac{1}{2}$ "	5	45646
		22mm x $\frac{3}{4}$ "	5	45654

# Tectite Classic







		SIZE	BOX QTY	CODE
<b>T15CP/T471G</b> 	<b>Backplate Elbow</b> Push-fit x BSP parallel female thread	10mm x 1/2"	5	45631
		15mm x 1/2"	5	45647
<b>T21/T041</b> 	<b>Obtuse Elbow</b> Push-fit x push-fit	15mm	10	45535
		22mm	5	45538
		28mm	5	45539
<b>T21S/T040</b> 	<b>Obtuse Street Elbow</b> Push-fit x male end for insertion into fitting	15mm	10	45542
		22mm	5	45545
		28mm	5	45546
<b>T24/T130</b> 	<b>Equal Tee</b> Push-fit on all ends	10mm	10	45660
		15mm	10	45666
		22mm	5	45676
		28mm	2	45678
<b>T24CP/T130</b> 	<b>Equal Tee</b> Push-fit on all ends	10mm	10	45661
		15mm	10	45667
<b>T25/T130</b> 	<b>Tee, reduced branch</b> Push-fit on all ends	15 x 15 x 10mm	10	45715
		22 x 22 x 10mm	5	45730
		22 x 22 x 15mm	5	45737
		28 x 28 x 15mm	2	45744
		28 x 28 x 22mm	2	45746

# Tectite Classic

Demountable push-fit fittings for copper tube and plastic pipe

		SIZE	BOX QTY	CODE
 <p><b>T25CP/T130</b></p>	<p><b>Tee, reduced branch</b> Push-fit on all ends</p>	15 x 15 x 10mm	10	45716
 <p><b>T26/T130</b></p>	<p><b>Tee, one end reduced</b> Push-fit on all ends</p>	15 x 10 x 15mm 22 x 15 x 22mm 28 x 15 x 28mm 28 x 22 x 28mm	10 5 2 2	45780 45786 45790 45793
 <p><b>T27/T130</b></p>	<p><b>Tee, one end and branch reduced</b> Push-fit on all ends</p>	15 x 10 x 10mm 22 x 15 x 15mm 28 x 22 x 22mm	10 5 2	45810 45820 45822
 <p><b>T30/T130G</b></p>	<p><b>Female Branch Tee</b> Push-fit ends x BSP parallel female branch</p>	15 x 15mm x 1/2" 22 x 22mm x 1/2" 22 x 22mm x 3/4"	10 5 5	45840 45845 45846
 <p><b>T30CP/T130G</b></p>	<p><b>Female Branch Tee</b> Push-fit ends x BSP parallel female branch</p>	15 x 15mm x 1/2"	10	45841
 <p><b>T61/T301</b></p>	<p><b>Stop End</b> Push-fit ends for use on tube</p>	10mm 15mm 22mm 28mm	10 10 5 5	45860 45866 45874 45876

# Tectite Classic

		SIZE	BOX QTY	CODE
<b>T61CP/T301</b> 	<b>Stop End</b> Push-fit ends for use on tube	10mm	10	45861
		15mm	10	45867
<b>T61RV/T302</b> 	<b>Air Release Stop End</b> Push-fit x air release valve	10mm	10	45890
		15mm	10	45892
		22mm	5	45894
		28mm	5	45895
<b>T62/T062</b> 	<b>Tap Connector</b> Push-fit x BSP union nut. Spigot and washer joint	10mm x 1/2"	10	45900
		15mm x 1/2"	10	45902
		15mm x 3/4"	10	45171
		22mm x 3/4"	5	45903
<b>T62S</b> 	<b>Tap Connector</b> Male end for insertion into fitting x BSP union nut. Spigot and washer joint	15mm x 1/2"	10	45910
		15mm x 3/4"	10	45912
		22mm x 3/4"	5	45914
<b>T63/T063</b> 	<b>Bent Tap Connector</b> Push-fit x BSP union nut. Spigot and washer joint	10mm x 1/2"	10	45920
		15mm x 1/2"	10	45922
		15mm x 3/4"	5	45923
		22mm x 3/4"	5	45924
<b>T68FF</b> 	<b>Flat Faced Union Adaptor</b> Push-fit x BSP union nut. Suitable for use with water meters	15mm x 3/4"	10	40759

# Tectite Classic



**Bib Tap Kit**

	SIZE	BOX QTY	CODE
<b>Bib Tap Kit</b>			45070



**TX68S**

**Cylinder union**  
male end for insertion  
into fitting x BSP  
union nut

22mm x 1"

65930

# Tectite Classic flexifit



**TF90**

**Flexible Connector**  
Push-fit x push-fit.  
(10 year guarantee)

SIZE  
15mm (300mm long)  
22mm (300mm long)

BOX QTY  
1  
1

CODE  
45983  
45984



**TF92**

**Flexible Tap Connector**  
Push-fit x BSP parallel  
female thread. Spigot  
and washer joint  
(10 year guarantee)

SIZE  
15mm x 1/2"  
(300mm long)  
22mm x 3/4"  
(300mm long)

BOX QTY  
1  
1

CODE  
45985  
45986

# Tectite Classic push-fit manifolds



**TM80**

	SIZE	BOX QTY	CODE
<b>Manifold</b> Push-fit x male end for insertion into fitting x push-fit outlet	22 x 22 x 10mm	2	45940



**TM81**

	SIZE	BOX QTY	CODE
<b>Manifold</b> Push-fit x male end for insertion into fitting x 2 push-fit outlets	22 x 22 x 10 x 10mm	2	45942

# Tectite Classic system pex pipe



**TP520**

	SIZE	MTR	CODE
<b>Barrier Pipe</b> Straight lengths (use with T66 PEX liners)	15mm x 3m	3m	60029
	15mm x 6m	6m	60030
	22mm x 3m	3m	60037
	22mm x 6m	6m	60038
	28mm x 3m	3m	60041
	28mm x 6m	6m	60042



**TP525**

	SIZE	MTR	CODE
<b>Barrier Pipe</b> Coils (use with T66 PEX liners)	15mm x 25m	25m	60024
	15mm x 50m	50m	60025
	15mm x 100m	100m	60026
	22mm x 25m	25m	60033
	22mm x 50m	50m	60034



# Tectite Tube & TectSEAL™ 3PS

Tectite Tube is manufactured with an integrated layer of Aluminium offering unrivalled performance and a truly efficient installation. The metal element of the construction enables the pipe to retain the shape you manipulate it to, whether a 90° bend or a tight offset, Tectite Tube offer exceptional installation benefits. Combined with Tectite demountable brass fittings, the system is like nothing else on your merchant shelves.



- 1 PE-Xc** - Internal and external layers enable the tubes use on a variety of applications including potable water services, heating applications and low temperature and hot water services
- 2 Adhesive** - The connecting layer binds the PE-Xc and Aluminium together resulting in a vast reduction in thermal expansion
- 3 Aluminium layer** - The Aluminium layer provides Tectite Tube with its unique physical characteristics and superior performance.
- 4 Inner Seal** - EPDM seal angled in line with pipe insertion and pre-lubricated for ease of installation
- 5 Outer Seal** - EPDM seal angled in line with fitting insertion and pre-lubricated for ease of installation
- 6 Liner** - Stiff and strong Fortron PPS material ensures you make a reliable joint every time

**!** Only suitable for use with Tectite Fittings and TectSEAL™ 3PS



# Performance

Plastic bending radius is 8x external diameter

**Tectite** bending radius  
is **4X** external diameter

Reduces the number of fittings used by up to 40%

Operating maximum of 6 bar at 95°C and 16 bar at 30°C

8 x less expansion than plastic systems

No sagging under temperature due to metal construction

Rodent resistant metal construction

Mould into the tightest bends by hand

Clip only once per metre

Suitable for use on:



Hot and cold potable water



Central heating systems from boiler\* to radiator



Chilled water services

\* Due to the Tectite Tube's metal construction and advanced TectSEAL™ 3PS there is no need for 1m of copper in some applications, connection is possible to a range of new boilers, consult the Tectite website for more guidance. Always refer to your boiler manufacturers installation instructions

# Tectite

FLEXIBLE METAL TUBE

		SIZE	MTR	CODE
<b>TMLCPC</b> 	<b>Tectite Tube Coil</b>	15mm x 25m	25m	44909
		15mm x 50m	50m	44910
		22mm x 25m	25m	44911
		22mm x 50m	50m	44912
		15mm x 400m	400m	44913
		22mm x 400m	400m	44914
		<b>TMLCPS3</b> 	<b>Tectite Tube Straight Tube</b>	15mm x 3m
22mm x 3m	1			44916
<b>TMLCP3PS</b> 	<b>TectSEAL™ 3PS Liner</b> For insertion into Tectite Tube	15mm	50	44917
		22mm	26	44918



# Tectite Valves

Pegler Yorkshire has in excess of 100 years' experience in plumbing manufacture and that expertise has informed the development of Tectite valves.

Designed and manufactured for high performance and longevity coupled with the efficient installation you expect from Tectite.



- 1 O Ring** - Pre-lubricated EPDM O Ring for ease of assembly and long term sealing performance.
- 2 Grab Ring** - Specially treated Stainless Steel for high performance and electrical continuity.
- 3 Gunmetal Body** - To eliminate electrolytic corrosion.
- 4 Protection Ring** - engineering Polymer Protection Ring for pipe guidance and O Ring protection
- 5 Metal Cartridge** - Delivers high performance and electrical continuity
- 6 Demount Collar** - means valve can be removed and replaced if required





Compatible with:

**Tectite Tube**





**Copper**

**PEX/PB**

# Tectite Valves

		SIZE	BOX QTY	CODE
 <p><b>TX300</b> Full Bore Quarter Turn Lever Ball Valve Push-fit x push-fit</p>		15mm	1	66001
		22mm	1	66004
 <p><b>TX480</b> Servicing valve Push-fit x push-fit</p>		15mm	10	65950
 <p><b>T481</b> Servicing valve Push-fit x BSP union nut. Spigot and washer joint</p>		15mm x 1/2"	10	45954
 <p><b>TX526S/TX467</b> DZR draining tap Male end for insertion into fitting. Draining tap to BS 2879 Type 2</p>		15mm	10	65936
 <p><b>TX526S/TX467</b> DZR draining tap Male end for insertion into fitting. Draining tap to BS 2879 Type 2 Chrome plated</p>		15mm	10	65936CP

# Tectite Valves

		SIZE	BOX QTY	CODE
 <p><b>TX405</b> <b>In Line Thermostatic Controller</b> Push fit all ends</p>		15mm	1	5A1150
		22mm	1	5A1151
 <p><b>PT913</b> <b>Bronze Y pattern strainer</b> Push-fit x push-fit</p>		15mm	1	15480
		22mm	1	15482
		28mm	1	15483
 <p><b>PT500</b> <b>Brass chrome plated ball valve with lever full bore</b> Push-fit x push-fit</p>		15mm	1	242350
		22mm	1	242352
		28mm	1	242353
 <p><b>PT500T</b> <b>Brass full way gate valve</b> Push-fit x push-fit</p>		15mm	1	242350
		22mm	1	242352
		28mm	1	242353
 <p><b>PT1068</b> <b>Brass full way gate valve</b> Push-fit x push-fit</p>		15mm	1	203400
		22mm	1	203402
		28mm	1	203403

# Tectite Valves

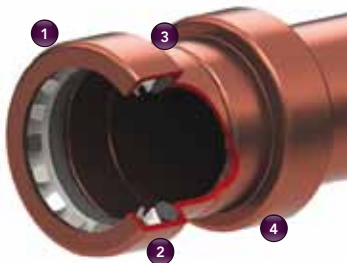
		SIZE	BOX QTY	CODE
<b>Terrier</b> 	<b>Angle Pattern TRV PF</b> Vertical or horizontal mounting	10mm x 1/2"	1	662203
		15mm x 1/2"	1	662204
<b>367PF CPWH</b> 	<b>Wheelhandle Radiator Valve Angle Pattern</b>	10mm x 1/2"	1	661203
		15mm x 1/2"	1	661204
<b>367PF CPLS</b> 	<b>Lockshield Radiator Valve Angle Pattern</b>	10mm x 1/2"	1	661207
		15mm x 1/2"	1	661208
<b>367PF CPDLS</b> 	<b>Angle Pattern with Drain Off</b>	15mm x 1/2"	10	661210
<b>Terrier</b> 	<b>Push Fit Elbow</b>	15mm x 10mm	10	7P1010
		15mm	10	7P1012



## ectite Sprint

The evolution of Yorkshire's solder ring fitting.

A slim line, non-demountable Copper fitting offering superb value and extremely high performance. Suitable for use with Copper, PB and PEX.



- 1 O Ring** - The pre-lubricated EPDM O Ring provides the water-tight seal between the tube and fitting
- 2 Grab Ring** - The high performance Stainless Steel Grab Ring provides a mechanical grip on a variety of tube materials, the grip first design prevents full bore failure once engaged.
- 3 Metal Body** - The Copper body provides a stiff, strong and slim joint with minimal exposure
- 4 Electrical Continuity** - When installed as part of a Copper system

Compatible with:



Copper



PEX/PB

# Tectite Sprint

Push-fit fittings for copper tube

		SIZE	BOX QTY	CODE
	<b>Straight Coupling</b> Push-fit x push-fit	10mm	10	75500
		15mm	10	75501
		22mm	5	75502
		28mm	5	75503
	<b>Straight Coupling</b> Push-fit x push-fit	10mm	10	75836
		15mm	10	75838
		22mm	5	75839
	<b>Reducing Coupling</b> Push-fit x push-fit	15 x 10mm	10	75504
		22 x 15mm	5	75505
	<b>Reducing Coupling</b> Push-fit x push-fit	15 x 10mm	10	75840
	<b>Straight Female Connector</b> Push-fit x BSP parallel female thread	10mm x 1/2"	10	75672
		15mm x 1/2"	10	75510
		22mm x 3/4"	5	75511
		28mm x 1"	2	75678
	<b>Straight Female Connector</b> Push-fit x BSP parallel female thread	15mm x 1/2"	10	75843









# Tectite Sprint

		SIZE	BOX QTY	CODE
<b>TT3/TT243G</b> 	<b>Straight Male Connector</b> Push-fit x BSP taper male thread	10mm x $\frac{3}{8}$ "	10	75679
		10mm x $\frac{1}{2}$ "	10	75680
		15mm x $\frac{1}{2}$ "	10	75515
		22mm x $\frac{3}{4}$ "	5	75516
		28mm x 1"	2	75518
<b>TT3CP/TT243G</b> 	<b>Straight Male Connector</b> Push-fit x BSP taper male thread	10mm x $\frac{1}{2}$ "	10	75844
		15mm x $\frac{1}{2}$ "	10	75847
<b>TT5</b> 	<b>Tank Connector</b> Push-fit x BSP parallel male thread with backnut	15mm x $\frac{1}{2}$ "	5	75520
		22mm x $\frac{3}{4}$ "	5	75521
<b>TT6/TT243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	15 x 10mm	10	75523
		22 x 15mm	5	75525
		28 x 15mm	5	75526
		28 x 22mm	5	75527
<b>TT6CP/TT243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	15 x 10mm	10	75848
		22 x 15mm	5	75850

# Tectite Sprint

		SIZE	BOX QTY	CODE
	<b>TT12/TT090</b>	<b>Elbow</b>	10	75530
		Push-fit x push-fit	10	75531
			5	75532
			5	75533
	<b>TT12CP/TT090</b>	<b>Elbow</b>	10	75851
		Push-fit x push-fit	10	75853
			5	75854
	<b>TT12S/TT092</b>	<b>Street Elbow</b>	10	75535
		Push-fit x male end for insertion into fitting	10	75536
			10	75537
			5	75538
	<b>TT13/TT092G</b>	<b>Male Elbow</b>	10	75540
		Push-fit x BSP taper male thread	5	75833
	<b>TT13CP/TT092G</b>	<b>Male Elbow</b>	10	75855
		Push-fit x BSP taper male thread		
	<b>TT14/TT090G</b>	<b>Female Elbow</b>	10	75545
		Push-fit x BSP parallel female thread	5	75831

# Tectite Sprint

		SIZE	BOX QTY	CODE
 <p><b>TT14CP/TT090G</b> <b>Female Elbow</b> Push-fit x BSP parallel female thread</p>		15mm x 1/2"	10	75856
 <p><b>TT15/TT471G</b> <b>Backplate Elbow</b> Push-fit x BSP parallel female thread</p>		15mm x 1/2"	5	75550
 <p><b>TT15CP/TT471G</b> <b>Backplate Elbow</b> Push-fit x BSP parallel female thread</p>		15mm x 1/2"	5	75858
 <p><b>TT21/TT041</b> <b>Obtuse Elbow</b> Push-fit x push-fit</p>		15mm 22mm 28mm	10 5 5	75551 75552 75553
 <p><b>TT21S/TT040</b> <b>Obtuse Street Elbow</b> Push-fit x male end</p>		15mm 22mm 28mm	10 5 5	75585 75586 75587
 <p><b>TT24/TT130</b> <b>Equal Tee</b> Push-fit on all ends</p>		10mm 15mm 22mm 28mm	10 10 5 2	75555 75556 75557 75558

# Tectite Sprint

TT24CP/TT130



	SIZE	BOX QTY	CODE
<b>Equal Tee</b> Push-fit on all ends	10mm	10	75859
	15mm	10	75861
	22mm	5	75862

TT25/TT130



<b>Tee, reduced branch</b> Push-fit on all ends	15 x 15 x 10mm	10	75565
	22 x 22 x 10mm	5	75566
	22 x 22 x 15mm	5	75567
	28 x 28 x 15mm	2	75568
	28 x 28 x 22mm	2	75569

TT25CP/TT130



<b>Tee, reduced branch</b> Push-fit on all ends	15 x 15 x 10mm	10	75863
	22 x 22 x 15mm	5	75865

TT26/TT130



<b>Tee, one end reduced</b> Push-fit on all ends	22 x 15 x 22mm	5	75573
	28 x 15 x 28mm	2	75574
	28 x 22 x 28mm	2	75575

TT26CP/TT130



<b>Tee, one end reduced</b> Push-fit on all ends	22 x 15 x 22mm	5	75869
---	----------------	---	-------

TT27/TT130



<b>Tee, one end and branch reduced</b> Push-fit on all ends	22 x 15 x 15mm	5	75582
	28 x 22 x 22mm	2	75584

# Tectite Sprint

		SIZE	BOX QTY	CODE
<b>TT27CP/TT130</b> 	<b>Tee, one end and branch reduced</b> Push-fit on all ends	22 x 15 x 15mm	5	75870
<b>TT61/TT301</b> 	<b>Stop End</b> Push-fit end for use on tube	10mm 15mm 22mm 28mm	10 10 5 5	75590 75591 75592 75593
<b>TT61CP/TT301</b> 	<b>Stop End</b> Push-fit end for use on tube	10mm 15mm	10 10	75866 75868
<b>TT62/TT062</b> 	<b>Tap Connector</b> Push-fit x BSP union nut	10mm x 1/2" 15mm x 1/2" 22mm x 3/4"	10 10 5	75600 75601 75603
<b>TT63/TT063</b> 	<b>Bent Tap Connector</b> Push-fit x BSP union nut	10mm x 1/2" 15mm x 1/2"	10 10	75604 75605

# Tectite Accessories



**DT**

**Disconnecting Tool**  
For use with Tectite  
Classic, Tectite Pro and  
Tectite 316 fittings

SIZE  
10mm  
15mm  
22mm  
28mm

BOX QTY CODE  
1 45970  
1 45973  
1 45977  
1 45978



**DC**

**Disconnecting Clip**  
For use with Tectite  
Classic, Tectite Pro and  
Tectite 316 fittings

SIZE  
10mm  
15mm  
22mm  
28mm

BOX QTY CODE  
5 46100  
5 46103  
5 46107  
2 46108



**T66**

**PEX Liner**  
For insertion into  
PEX pipe

SIZE  
10mm  
15mm  
22mm  
28mm

BOX QTY CODE  
20 60100  
50 60103  
50 60105  
20 60106



**T67**

**Copper Liner**  
For insertion into  
copper tube

SIZE  
10mm

BOX QTY CODE  
20 60144



**T110**

**Deburring/Scribe Tool**  
For scribing chrome  
plated tube and brass  
drum ended fittings  
in 10, 12, 15, 22 and  
28mm sizes

SIZE  
10 - 28mm

BOX QTY CODE  
1 46132

# Tectite Accessories

		SIZE	BOX QTY	CODE
<b>T115</b> 	<b>Tectite Sprint</b> Deburring/Scribe Tool For scribing chrome plated tube and brass drum ends. Depth marking and deburring tube end	10 - 28mm	1	75640
<b>T125</b> 	<b>Bend Former</b> For use with PEX pipe	15mm	10	60130
<b>T140</b> 	<b>Pipe Cutter-ratchet</b> For use with PEX pipe	10 - 28mm	1	60120

# Tectite

FLEXIBLE METAL TUBE

		SIZE	BOX QTY	CODE
<b>T141</b>	<b>Tectite Tube Cutters</b>		1	44908
				
<b>T150</b>	<b>Kalispeed Calibration Tool Set</b> Power click handle, calibrators and case	15 and 22mm	1	44904
				
<b>T151</b>	<b>Kalispeed Single</b> For use with T152	15mm 22mm	1 1	44902 44903
				
<b>T152</b>	<b>Kalispeed Power click handle</b> For use with T151 Kalispeed Singles		1	44901
				
<b>T153</b>	<b>Hand Calibration Tool</b>	15 and 22mm	1	44900
				
	<b>Bending Spring</b> For use with Tectite Tube	15mm Internal 15mm External 22mm Internal	1 1 1	44930 44931 44932
				





## Iso from Tectite

### Tectite Pro

Fully demountable DZR brass fitting compatible with everything from Steel to PEX. Offering electrical continuity as part of a metal system and sizes up to 54mm. Operating pressures of 20bar and a maximum temperature of 114°C ensure this range can handle even the toughest commercial specifications.



### Tectite Carbon

The perfect solution for sealed heating systems where budget and efficient installation are primary drivers. Electrical continuity, tamper proof design and low scrap value make this range the ideal choice for social housing projects. Available sizes up to 54mm and tube lengths up to 6m.



### Tectite 316

Manufactured from Stainless Steel and offering all the features of Tectite Pro, 316 offers a Metal Push-Fit solution for applications where water hygiene is the utmost concern.



# Working Temperatures and Pressure tables

Tectite Fitting	Tube/pipe used with	Min. temperature		Max. temperature	
<b>Classic</b>	Copper or Tectite Tube	-24°C*	30°C	65°C	95°C
		16 bar	16 bar	10 bar	6 bar
<b>Classic</b>	PB or PEX	-20°C*	30°C	65°C	92°C
		12 bar	12 bar	6 bar	3 bar
<b>Sprint</b>	Copper	-24°C*	30°C	65°C	114°C
		20 bar	20 bar	16 bar	10 bar
<b>Flexible hoses</b> (15 and 22mm)	Copper	-20°C*	30°C	65°C	90°C
		16 bar	16 bar	10 bar	6 bar

For performance of Tectite valves please refer to Pegler Yorkshire

The maximum temperature and pressure range in any system is dictated by the component with the lowest performance rating. Remember to pressure test all systems thoroughly after completion. Tectite installations may be tested to 1.5 times their normal working pressure at ambient temperature.

## **Achieving low temperatures**

\*To achieve temperatures under 4°C antifreeze must be added to the system and threaded ended fittings wrapped with DENSO tape.

## **Pressure Equipment Directive**

Since 30th May 2002 most pressure equipment and assemblies on the market in the United Kingdom have had to comply with the Pressure Equipment Directive (P.E.D.) 1999. Fittings are exempt from the P.E.D. unless they are incorporated into pressure equipment, meaning that all Tectite fittings are exempt. Tectite valves are also exempt. For a detailed explanation please visit:

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

## Installation Guide

Tectite Metal Push-Fit is designed and built to provide exceptional performance and efficient installation, to achieve this, good joint preparation is key. The simple installation guide that follows, details exactly how the various tube materials should be prepared prior to making a Tectite joint.

### Stage 1; Cut

#### Copper

Cut the tube square using a rotary tube cutter wherever possible on copper.

Ensure pipe and fitting are clean, in good condition and free from damage, scores and imperfections. Do not use any additional lubricant or sealing compounds.

#### Tectite Tube and PEX

Cut the Tectite Tube with a hand tool.

Use good quality cutters, ensure the blade is sharp and the cut is square. Make sure the Tube is clean and free from damage.



### Stage 2a; Tube preparation

#### Copper and Pex

Remove any burrs or sharp edges from the external tube end.

Using the Tectite Scribe, debur and depth marking tools; T115 for Sprint or T110 for Classic installations. Also, ensure the internal bore adequately de-burred.

#### Tectite Tube

Use the Tectite Calibrating Tools to provide a clean, square pipe end with chamfered edges.

Calibration re-rounds the tube after cutting to prepare it for the TectSEAL™ and for push-fit jointing.



## Stage 2b; Liner insertion

T67 Liners are only required for copper on 10mm R220

### Tectite Tube

Push the patented TectSEAL™ 3PS into the Tube until the flange meets the tube end.

TectSEAL 3PS are pre-lubricated. Make sure all swarf is removed from the tube before fitting TectSEAL.



### PEX

Insert the liner as per tube manufacturers Instructions.

### Stage 3; Depth Mark

The tube must be fully inserted in the fitting until it meets the tube stop.

To confirm that this is the case, mark the socket depth on the tube Using a line and a V to aid visibility

This can of course be achieved using a tape measure, in addition the Tectite T115/ T110 can be used. Finally the Tectite Tube calibration Tool can be used.



### Stage 4; Insert

Push the Tube firmly into the fitting until the insertion depth mark reaches the demounting collar.

Pushing with a twist will ease insertion and Help prevent damaging the fitting.



### Stage 5; Check

Pull back on the pipe to check the joint is secure.

Tectite fittings allow the Tube to rotate after jointing.



## Demounting Guide

- 1. **Locate demounter.** Select either the plastic clip or metal forks and apply to the fitting. The clip simply slides up to the fitting and locates the collar. The forks are placed with one arm on the body of the fitting, the second arm on the pipe against the collar.



- 2. **Separate and inspect.** Squeeze the disconnecting tool with one hand until the release collar in the fitting is depressed. 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.



- NOTE:** TectSEAL™ 3PS liners will remain in the fitting following demounting. This fitting can still be used again with Tectite Tube, gently insert again with a twist observing the depth indicator.

## Warnings

1. Tectite Tube can only be installed with TectSEAL™ 3PS Liners and Tectite demountable fittings.
2. Do not push fingers into the fitting.
3. Do not use on gas installations.
4. Do not apply external heat within 1 Metre of the fitting.
5. Do not use with male ended fittings, other than Tectite fittings from within the same sub range.
6. Tectite Sprint fittings only provide electrical continuity when installed as part of a full copper system.

## Socket depths

Sizes	Size	Socket depth
<b>Tectite</b> CLASSIC	10-15mm	23mm
	22mm	27mm
	28mm	31mm
<b>Tectite</b> SPRINT	10mm	15mm
	15mm	16mm
	22mm	18mm
	28mm	20mm

## Best Practice

The Tectite jointing system has been designed with easy, efficient installation in mind

- The jointing procedures for Tectite Classic and Sprint fittings share many of the same steps. Where there are variations (such as calibrating Tectite Tube) these are shown in the installation instructions over previous pages.
- To ensure the fittings stay clean and the O Ring is protected from damage, never remove the fitting from its packaging until immediately prior to installation.
- The tube/pipe can be fully inserted by hand, a damaged tube/pipe end will require excessive force. If this is the case you should check the tube/pipe is round and de-burred before continuing. Tectite fittings with plain male ends must not be used directly with capillary fittings, since heating will damage the non-metallic parts. Neither should plain ends on capillary fittings be used with Tectite.
- Heat should not be applied to Tectite fittings, directly or indirectly. They should be disconnected (where applicable) to avoid any possible damage to non-metallic parts if they are to be used on a system in conjunction with capillary fittings.
- Similarly, re-connection must not be considered until the heated tubes have been allowed to cool and have been flushed to remove any flux residues. Use pipe clips to secure finished installations and prevent vibration or movement.

**Visit [www.tectite.co.uk](http://www.tectite.co.uk) to  
take the Tectite Test or to find  
your nearest merchant.**

Pegler Yorkshire Group Ltd  
St Catherine's Avenue  
Doncaster  
South Yorkshire  
DN4 8DF

Tel: 0844 243 4400  
Fax: 0844 243 9870

LIT.REF: 880145



**Pegler Yorkshire**

**Follow us on:**



All brand names and logo styles are registered trademarks. Maintaining a policy of continual product development, Pegler Yorkshire reserves the right to change specifications, design and materials of products listed in this publication without prior notice. Registered in England Company No. 00401507

