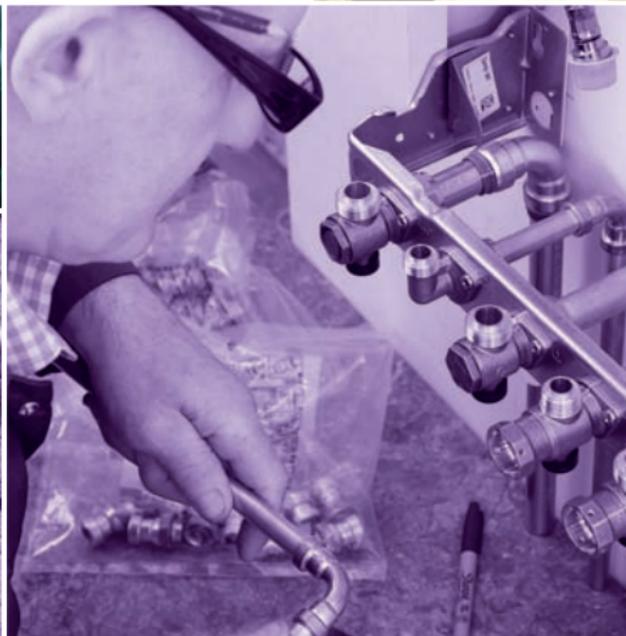


# Tectite

METAL PUSH-FIT



Pegler Yorkshire

## Confidence not compromise

Tectite is a proven technology, pushed to the limits in our Tectite Lab, then pushed even harder for years in real-world domestic and commercial applications. Tectite is a metal push-fitting developed for professionals, showcasing professional capabilities and helping to achieve the best job possible. As just one of many solutions brought to you by Pegler Yorkshire, you can rest assured our reputation and business depends on Tectite's excellent performance too.

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

## All together better

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

- 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 10bar @ 114°C
- Metal body – resists rodent attack

# Tectite CLASSIC



## Demountable push-fit fittings for copper tube and plastic pipe

Tectite Classic is available in sizes from 10mm to 28mm, and is ideal for joining plain and chrome plated copper tube to BS EN 1057, PEX – including Tectite PEX – and PB plastic pipes to BS 7291. Manufactured from DZR copper alloy, Tectite is ideal for use on hot and cold water services, in low-temperature hot water and heating. Tectite is not suitable for use on gas applications.

Tectite Classic fittings are guaranteed for 30 years against manufacturing defects when installed exclusively with Tectite PEX or Yorkex Copper Tube from Yorkshire Copper Tube Ltd, or for 25 years when used with other products.

Tectite Classic fittings are WRAS and DVGW approved.

Manufactured to Pegler Yorkshire's own exacting standards, Tectite Classic fittings are designed for sustained operation at the service temperatures and pressures shown below and overleaf.

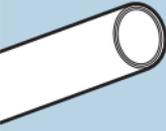
Tectite Classic performance when correctly assembled with copper tube to BS EN 1057

Size	Min† -24°C	Service temperature		
		30°C	65°C	Max 95°C
10 to 28mm	16 bar	16 bar	10 bar	6 bar

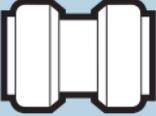
Tectite Classic performance when correctly assembled with Tectite PEX and other PEX and PB pipe to BS 7291 Parts 2 and 3

Size	Service temperature			
	Min† -20°C	20°C	65°C	Max 92°C
10 to 28mm	12 bar	12 bar	6 bar	3 bar
		SIZE	M	CODE

## System pex pipe

<b>TP520</b> 	<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
				SIZE
<b>TP525</b> 	<b>Barrier Pipe</b> Coils (use with T66 PEX liners)	12mm x 50m	50m	60020
		12mm x 100m	100m	60021
		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
		SIZE	BOX QTY	CODE

## DZR Copper and chrome plated push-fit fittings

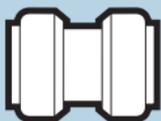
<b>T1/T270</b> 	<b>Straight Coupling</b> Push-fit x push-fit	10mm	10	45108
		12mm	10	45110
		14mm	10	45112
		15mm	10	45114
		16mm	10	45116
		18mm	5	45118
		20mm	5	45120
		22mm	5	45121
		28mm	5	45123
		SIZE	BOX QTY	CODE

SIZE

BOX QTY

CODE

**T1CP/T270**

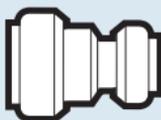


**Straight Coupling**  
Push-fit x push-fit

10mm  
12mm  
15mm

10 45109  
10 45111  
10 45115

**T1R/T240**

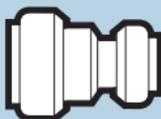


**Reducing Coupling**  
Push-fit x push-fit

12 x 10mm  
14 x 12mm  
15 x 10mm  
15 x 12mm  
16 x 12mm  
16 x 14mm  
18 x 15mm  
20 x 18mm  
22 x 10mm  
22 x 15mm  
22 x 18mm  
28 x 22mm

10 45155  
10 45157  
10 45159  
10 45161  
10 45163  
10 45165  
5 45167  
5 45168  
5 45170  
5 45172  
5 45174  
2 45178

**T1RCP/T240**

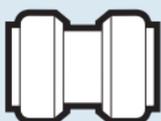


**Reducing Coupling**  
Push-fit x push-fit

12 x 10mm  
15 x 10mm  
15 x 12mm

10 45156  
10 45160  
10 45162

**T1S/T270S**



**Slip Coupling**  
Push-fit x push-fit

12mm  
15mm  
18mm  
22mm  
28mm

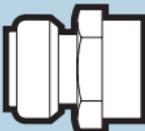
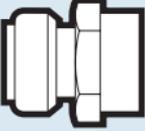
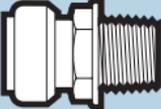
10 45140  
10 45141  
5 45142  
5 45143  
5 45144

# Tectite CLASSIC

Demountable push-fit fittings for copper tube and plastic pipe

SIZE

BOX QTY CODE

<b>T2/T270G</b> 	<b>Straight Female Connector</b> Push-fit x BSP parallel female thread	10mm x 3/8"	10	45190
		10mm x 1/2"	10	45192
		12mm x 3/8"	10	45194
		12mm x 1/2"	10	45196
		14mm x 3/8"	10	45200
		14mm x 1/2"	10	45202
		15mm x 3/8"	10	45204
		15mm x 1/2"	10	45206
		18mm x 1/2"	5	45210
		18mm x 3/4"	5	45212
		22mm x 1/2"	5	45220
		22mm x 3/4"	5	45222
		22mm x 1"	5	45223
		28mm x 3/4"	2	45224
28mm x 1"	2	45225		
<b>T2CP/T270G</b> 	<b>Straight Female Connector</b> Push-fit x BSP parallel female thread	10mm x 3/8"	10	45191
		10mm x 1/2"	10	45193
		12mm x 3/8"	10	45195
		12mm x 1/2"	10	45197
		15mm x 3/8"	10	45205
		15mm x 1/2"	10	45207
<b>T3T/T243G</b> 	<b>Straight Male Connector</b> Push-fit x BSP taper male thread	10mm x 3/8"	10	45250
		10mm x 1/2"	10	45252
		12mm x 3/8"	10	45254
		12mm x 1/2"	10	45256
		15mm x 3/8"	10	45265
		15mm x 1/2"	10	45267
		18mm x 1/2"	5	45286
		18mm x 3/4"	5	45288
		22mm x 1/2"	5	45290
		22mm x 3/4"	5	45292
		22mm x 1"	5	45294
		28mm x 1"	2	45296

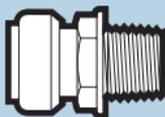
# Tectite CLASSIC

SIZE

BOX QTY

CODE

T3TCP/T243G

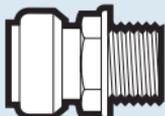


**Straight Male Connector**  
Push-fit x BSP taper male thread

10mm x 3/8"  
10mm x 1/2"  
12mm x 3/8"  
12mm x 1/2"  
15mm x 3/8"  
15mm x 1/2"

10 45251  
10 45253  
10 45255  
10 45257  
10 45266  
10 45268

T3P/T243G

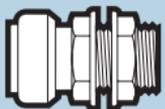


**Straight Male Connector**  
Push-fit x BSP parallel male thread

10mm x 3/8"  
10mm x 1/2"  
12mm x 3/8"  
14mm x 3/8"  
14mm x 1/2"  
15mm x 1/2"  
16mm x 1/2"  
18mm x 1/2"  
18mm x 3/4"  
22mm x 1/2"  
22mm x 3/4"  
22mm x 1"  
28mm x 1"

10 45348  
10 45349  
10 45350  
10 45354  
10 45356  
10 45358  
10 45362  
5 45367  
5 45369  
5 45364  
5 45366  
5 45368  
2 45370

T5



**Tank Connector**  
Push-fit x BSP parallel male thread with backnut

15mm x 1/2"  
22mm x 3/4"  
28mm x 1"

5 45390  
5 45394  
2 45396

T6/T243



**Reducer**  
Larger end male for insertion into fitting x push-fit

12 x 10mm  
15 x 10mm  
15 x 12mm  
18 x 15mm  
22 x 12mm  
22 x 15mm  
22 x 18mm  
28 x 15mm  
28 x 18mm  
28 x 22mm

10 45410  
10 45416  
10 45418  
5 45424  
5 45425  
5 45426  
5 45430  
5 45435  
5 45437  
5 45438

Demountable push-fit fittings for copper tube and plastic pipe

# Tectite CLASSIC

Demountable push-fit fittings for copper tube and plastic pipe

		SIZE	BOX QTY	CODE
<b>T6CP/T243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	12 x 10mm	10	45411
		15 x 10mm	10	45417
		15 x 12mm	10	45419
<b>T12/T090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	45510
		12mm	10	45512
		14mm	10	45514
		15mm	10	45516
		16mm	10	45518
		18mm	5	45520
		20mm	5	45522
		22mm	5	45524
		28mm	5	45526
<b>T12CP/T090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	45511
		12mm	10	45513
		15mm	10	45517
<b>T12S/T092</b> 	<b>Street Elbow</b> Push-fit x male end for insertion into fitting	10mm	10	45490
		12mm	10	45492
		10 x 15mm	10	45494
		15mm	10	45496
		18mm	5	45498
		22mm	5	45500
		28mm	5	45502
<b>T12SCP/T092</b> 	<b>Street Elbow</b> Push-fit x male end for insertion into fitting	15 x 12mm	10	45493

# Tectite CLASSIC

SIZE

BOX QTY

CODE

**T12SNP/T092**



**Street Elbow**  
Push-fit x male end for  
insertion into fitting for  
use with radiator valves  
*Nickel plated finish*

10mm  
10 x 15mm  
15mm

10 45491  
10 45495  
10 45497

**T13/T092G**



**Male Elbow**  
Push-fit x BSP taper  
male thread

10mm x 3/8"  
10mm x 1/2"  
12mm x 3/8"  
12mm x 1/2"  
14mm x 1/2"  
15mm x 1/2"  
16mm x 1/2"  
16mm x 3/4"  
18mm x 1/2"  
18mm x 3/4"  
22mm x 3/4"  
28mm x 1"

10 45550  
10 45552  
10 45554  
10 45556  
10 45560  
10 45561  
10 45563  
10 45564  
5 45569  
5 45570  
5 45576  
5 45578

**T13CP/T092G**



**Male Elbow**  
Push-fit x BSP taper  
male thread

10mm x 3/8"  
10mm x 1/2"  
12mm x 3/8"  
12mm x 1/2"  
15mm x 1/2"

10 45551  
10 45553  
10 45555  
10 45557  
10 45562

**T14/T090G**



**Female Elbow**  
Push-fit x BSP parallel  
female thread

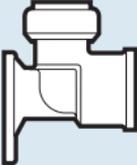
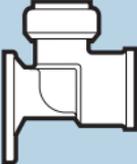
10mm x 3/8"  
10mm x 1/2"  
12mm x 3/8"  
12mm x 1/2"  
14mm x 1/2"  
15mm x 1/2"  
16mm x 1/2"  
16mm x 3/4"  
18mm x 1/2"  
18mm x 3/4"  
22mm x 3/4"  
28mm x 1"

10 45590  
10 45592  
10 45594  
10 45596  
10 45600  
10 45606  
10 45608  
10 45609  
5 45614  
5 45615  
5 45620  
2 45622

Demountable push-fit fittings for copper tube and plastic pipe

# Tectite CLASSIC

Demountable push-fit fittings for copper tube and plastic pipe

		SIZE	BOX QTY	CODE
	<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
		12mm x $\frac{3}{8}$ "	10	45595
		12mm x $\frac{1}{2}$ "	10	45597
		15mm x $\frac{1}{2}$ "	10	45607
	<b>Backplate Elbow</b> Push-fit x BSP parallel female thread	10mm x $\frac{1}{2}$ "	5	45630
		12mm x $\frac{1}{2}$ "	5	45638
		14mm x $\frac{1}{2}$ "	5	45640
		15mm x $\frac{1}{2}$ "	5	45646
		16mm x $\frac{1}{2}$ "	5	45648
		18mm x $\frac{1}{2}$ "	5	45650
		18mm x $\frac{3}{4}$ "	5	45652
22mm x $\frac{3}{4}$ "	5	45654		
	<b>Backplate Elbow</b> Push-fit x BSP parallel female thread	10mm x $\frac{1}{2}$ "	5	45631
		12mm x $\frac{1}{2}$ "	5	45639
		15mm x $\frac{1}{2}$ "	5	45647
	<b>Obtuse Elbow</b> Push-fit x push-fit	12mm	10	45531
		15mm	10	45535
		18mm	5	45537
		22mm	5	45538
		28mm	5	45539
	<b>Obtuse Street Elbow</b> Push-fit x male end for insertion into fitting	12mm	10	45528
		15mm	10	45542
		18mm	5	45544
		22mm	5	45545
		28mm	5	45546

**T24/T130**

**Equal Tee**

Push-fit on all ends

 10mm  
 12mm  
 14mm  
 15mm  
 16mm  
 18mm  
 20mm  
 22mm  
 28mm

 10 45660  
 10 45662  
 10 45664  
 10 45666  
 10 45668  
 5 45670  
 5 45674  
 5 45676  
 2 45678

**T24CP/T130**

**Equal Tee**

Push-fit on all ends

 10mm  
 12mm  
 15mm

 10 45661  
 10 45663  
 10 45667

**T25/T130**

**Tee, reduced branch**

Push-fit on all ends

 12 x 12 x 10mm  
 14 x 14 x 12mm  
 15 x 15 x 10mm  
 15 x 15 x 12mm  
 16 x 16 x 12mm  
 16 x 16 x 14mm  
 18 x 18 x 14mm  
 20 x 20 x 16mm  
 22 x 22 x 10mm  
 22 x 22 x 14mm  
 22 x 22 x 15mm  
 22 x 22 x 16mm  
 22 x 22 x 18mm  
 28 x 28 x 15mm  
 28 x 28 x 18mm  
 28 x 28 x 22mm

 10 45700  
 10 45710  
 10 45715  
 10 45717  
 10 45719  
 10 45722  
 5 45724  
 5 45726  
 5 45730  
 5 45736  
 5 45737  
 5 45739  
 5 45742  
 2 45744  
 2 45745  
 2 45746

**T25CP/T130**

**Tee, reduced branch**

Push-fit on all ends

 12 x 12 x 10mm  
 15 x 15 x 10mm  
 15 x 15 x 12mm

 10 45701  
 10 45716  
 10 45718

# Tectite CLASSIC

SIZE

BOX QTY CODE

T26/T130



**Tee, one end reduced**  
Push-fit on all ends

15 x 10 x 15mm  
22 x 15 x 22mm  
22 x 18 x 22mm  
28 x 15 x 28mm  
28 x 18 x 28mm  
28 x 22 x 28mm

10 45780  
5 45786  
5 45788  
2 45790  
2 45792  
2 45793

T27/T130



**Tee, one end and branch reduced**  
Push-fit on all ends

15 x 10 x 10mm  
15 x 12 x 12mm  
16 x 14 x 14mm  
22 x 15 x 15mm  
22 x 18 x 18mm  
28 x 18 x 18mm  
28 x 22 x 22mm

10 45810  
10 45812  
10 45815  
5 45820  
5 45819  
2 45821  
2 45822

T27CP/T130

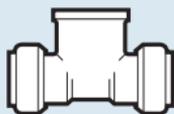


**Tee, one end and branch reduced**  
Push-fit on all ends

15 x 12 x 12mm

10 45813

T30/T130G

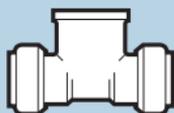


**Female Branch Tee**  
Push-fit ends x BSP parallel female branch

12 x 12mm x 1/2"  
15 x 15mm x 1/2"  
16 x 16mm x 1/2"  
22 x 22mm x 1/2"  
22 x 22mm x 3/4"

10 45823  
10 45840  
10 45825  
5 45845  
5 45846

T30CP/T130G



**Female Branch Tee**  
Push-fit ends x BSP parallel female branch

15 x 15mm x 1/2"

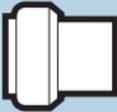
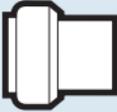
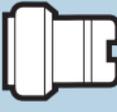
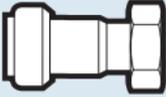
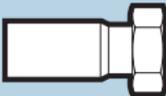
10 45841

Demountable push-fit fittings for copper tube and plastic pipe

SIZE

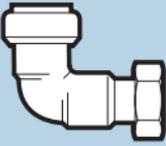
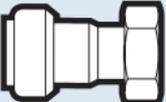
BOX QTY

CODE

<b>T61/T301</b> 	<b>Stop End</b> Push-fit ends for use on tube	10mm	10	45860
		12mm	10	45862
		14mm	10	45864
		15mm	10	45866
		16mm	10	45868
		18mm	5	45870
		20mm	5	45872
		22mm	5	45874
28mm	5	45876		
<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
		12mm	10	45891
		15mm	10	45892
		18mm	5	45893
		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

# Tectite CLASSIC

Demountable push-fit fittings for copper tube and plastic pipe

		SIZE	BOX QTY	CODE
<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 Flexifit performance when correctly assembled with copper tube to BS EN 1057

Size	Service temperature			
	Min† -20°C	30°C	65°C	Max 90°C
15mm	16 bar	16 bar	10 bar	6 bar
22mm	10 bar	10 bar	10 bar	6 bar

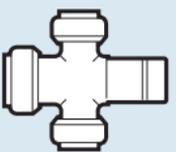
SIZE BOX QTY CODE

## Classic flexifit

<b>TF90</b> 	<b>Flexible Connector</b> Push-fit x push-fit. (10 year guarantee)	15mm (300mm long)	1	45983
		22mm (300mm long)	1	45984
<b>TF92</b> 	<b>Flexible Tap Connector</b> Push-fit x BSP parallel female thread. Spigot and washer joint (10 year guarantee)	15mm x 1/2" (300mm long)	1	45985
		22mm x 3/4" (300mm long)	1	45986

SIZE BOX QTY CODE

## Classic push-fit manifolds

<b>TM80</b> 	<b>Manifold</b> Push-fit x male end for insertion into fitting x push-fit outlet	22 x 22 x 10mm	2	45940
<b>TM81</b> 	<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 PRO



## Enhanced performance demountable push-fit fittings

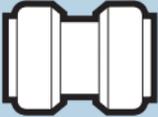
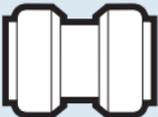
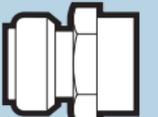
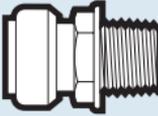
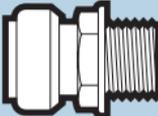
With the benefit of an extended size range from 15mm to 54mm, Tectite Pro provides enhanced performance and guaranteed electrical continuity. Designed for the professional heat-free jointing of either plain or chrome plated copper tube to BS EN 1057, Tectite Pro is designed to meet the rigorous demands of today's mechanical services systems. Tectite Pro fittings are not suitable for use on gas applications.

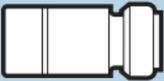
Guarantees for Tectite Pro fittings against manufacturing defects are for 30 years when installed exclusively with Yorkex Copper Tube from Yorkshire Copper Tube Ltd, or for 25 years when used with other tubes.

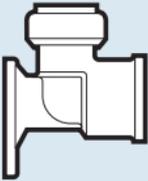
Tectite Pro fittings are WRAS approved. Manufactured to Pegler Yorkshire's own exacting standards, Tectite Pro fittings are designed for sustained operation at the service temperatures and pressures shown below.

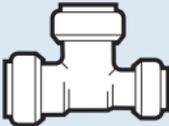
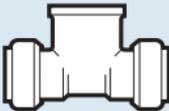
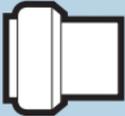
Tectite Pro performance when correctly assembled with copper tube to BS EN 1057

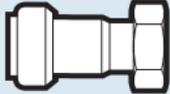
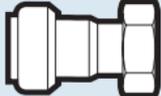
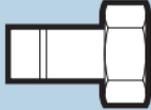
		Service temperature		
Size	Min†-24°C	30°C	65°C	Max 114°C
15 to 28mm	20 bar	20 bar	16 bar	10 bar
Size	Min†-24°C	30°C	65°C	Max 90°C
35 to 54mm	16 bar	16 bar	10 bar	6 bar

<p><b>TX1/TX270</b></p> 	<p><b>Straight Coupling</b> Push-fit x push-fit</p>	<p>15mm 22mm 28mm 35mm 42mm 54mm</p>	<p>10 5 5 1 1 1</p>	<p>65114 65121 65123 45126 45128 45130</p>
<p><b>TX1 Slip/TX270S</b></p> 	<p><b>Straight Coupling,</b> Slip Pattern Push-fit x push-fit</p>	<p>15mm 22mm 28mm 35mm 42mm 54mm</p>	<p>10 5 5 1 1 1</p>	<p>65141 65143 65144 45145 45146 45147</p>
<p><b>TX2/TX270G</b></p> 	<p><b>Straight Female Connector</b> Push-fit x BSP parallel female thread</p>	<p>15mm x 1/2" 22mm x 3/4" 22mm x 1" 28mm x 1" 35mm x 1 1/4" 42mm x 1 1/2" 54mm x 2"</p>	<p>10 5 5 2 1 1 1</p>	<p>65206 65222 65223 65225 45230 45232 45234</p>
<p><b>TX3/TX243G</b></p> 	<p><b>Straight Male Connector</b> Push-fit x BSP taper male thread</p>	<p>15mm x 1/2" 22mm x 3/4" 22mm x 1" 28mm x 1" 35mm x 1 1/4" 42mm x 1 1/2" 54mm x 2"</p>	<p>10 5 5 2 1 1 1</p>	<p>65267 65292 65294 65296 45310 45312 45314</p>
<p><b>TX3P/TX243G</b></p> 	<p><b>Straight Male Connector</b> Push fit x BSP parallel male thread</p>	<p>15mm x 1/2" 22mm x 1/2" 22mm x 3/4" 22mm x 1" 28mm x 1"</p>	<p>10 5 5 5 2</p>	<p>65358 65364 65366 65368 65370</p>

		SIZE	BOX QTY	CODE
<b>TX6/TX243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	22 x 15mm	5	65426
		28 x 15mm	5	65435
		28 x 22mm	5	65438
		35 x 15mm	1	45450
		35 x 22mm	1	45452
		35 x 28mm	1	45454
		42 x 15mm	1	45456
		42 x 22mm	1	45458
		42 x 28mm	1	45460
		42 x 35mm	1	45462
		54 x 15mm	1	45464
		54 x 22mm	1	45466
		54 x 28mm	1	45468
		54 x 35mm	1	45470
54 x 42mm	1	45472		
<b>TX12/TX090</b> 	<b>Elbow</b> Push-fit x push-fit	15mm	10	65516
		22mm	5	65524
		28mm	5	65526
		35mm	1	45530
		42mm	1	45532
		54mm	1	45534
<b>TX12S/TX092</b> 	<b>Street Elbow</b> Push-fit x male copper for insertion into fitting	15mm	10	65496
		22mm	5	65500
		28mm	5	65502
<b>TX13/TX092G</b> 	<b>Male Elbow</b> Push-fit x BSP taper male thread	15mm x 1/2"	10	65561
		22mm x 3/4"	5	65576
		28mm x 1"	5	65578

<p><b>TX14/TX090G</b></p> 	<p><b>Female Elbow</b> Push-fit x BSP parallel female thread</p>	<p>15mm x 1/2" 22mm x 3/4" 28mm x 1"</p>	<p>10 5 2</p>	<p>65606 65620 65622</p>
<p><b>TX15/TX471G</b></p> 	<p><b>Backplate Elbow</b> Push-fit x BSP parallel female thread</p>	<p>15mm x 1/2"</p>	<p>5</p>	<p>65646</p>
<p><b>TX21/TX041</b></p> 	<p><b>Obtuse Elbow</b> Push-fit x push-fit</p>	<p>15mm 22mm 28mm 35mm 42mm 54mm</p>	<p>10 5 5 1 1 1</p>	<p>65535 65538 65539 45540 45541 45558</p>
<p><b>TX21S/TX040</b></p> 	<p><b>Obtuse Street Elbow</b> Push-fit x male end for insertion into fitting</p>	<p>15mm 22mm 28mm 35mm 42mm 54mm</p>	<p>10 5 5 1 1 1</p>	<p>65542 65545 65546 45547 45548 45549</p>
<p><b>TX24/TX130</b></p> 	<p><b>Equal Tee</b> Push-fit on all ends</p>	<p>15mm 22mm 28mm 35mm 42mm 54mm</p>	<p>10 5 2 1 1 1</p>	<p>65666 65676 65678 45680 45682 45684</p>

		SIZE	BOX QTY	CODE
<b>TX25/TX130</b> 	<b>Tee, reduced branch</b> Push-fit on all ends	22 x 22 x 15mm	5	65737
		28 x 28 x 15mm	2	65744
		28 x 28 x 22mm	2	65746
		35 x 35 x 15mm	1	45750
		35 x 35 x 22mm	1	45752
		35 x 35 x 28mm	1	45753
		42 x 42 x 15mm	1	45754
		42 x 42 x 22mm	1	45756
		42 x 42 x 28mm	1	45758
		54 x 54 x 15mm	1	45760
		54 x 54 x 22mm	1	45762
54 x 54 x 28mm	1	45764		
54 x 54 x 35mm	1	45765		
<b>TX26/TX130</b> 	<b>Tee, one end reduced</b> Push-fit on all ends	22 x 15 x 22mm	5	65786
		28 x 15 x 28mm	2	65790
		28 x 22 x 28mm	2	65793
<b>TX27/TX130</b> 	<b>Tee, one end and branch reduced</b> Push-fit on all ends	22 x 15 x 15mm	5	65820
		28 x 22 x 22mm	2	65822
<b>TX30/TX130G</b> 	<b>Female Branch Tee</b> Push-fit ends x BSP parallel female branch	15 x 15mm x 1/2"	10	65840
		22 x 22mm x 1/2"	5	65845
		35 x 35mm x 1/2"	1	45848
		42 x 42mm x 1/2"	1	45850
<b>TX61/TX301</b> 	<b>Stop End</b> Push-fit ends for use on tubes	15mm	10	65866
		22mm	5	65874
		28mm	5	65876
		35mm	1	45878
		42mm	1	45880
		54mm	1	45882

		SIZE	BOX QTY	CODE
	<b>Air Release Stop End</b> Push-fit x air release valve	15mm 22mm 28mm	10 5 5	65892 65894 65895
	<b>Tap Connector</b> Push-fit x BSP union nut. Spigot and washer joint	15mm x 1/2" 15mm x 3/4" 22mm x 3/4"	10 10 5	65902 65171 65903
	<b>Bent Tap Connector</b> Push-fit x BSP union nut. Spigot and washer joint	15mm x 1/2" 22mm x 3/4"	10 5	65922 65924
	<b>Flat Faced Union Adaptor</b> Push-fit x BSP union nut. Suitable for use with water meters	15mm x 3/4" 22mm x 3/4"	10 10	65759 65760
	<b>Cylinder Union</b> Male end for insertion into fitting x BSP union nut	22mm x 1"	5	65930

Tectite Pro Flexifit performance when correctly assembled with copper tube to BS EN 1057

Size	Service temperature			
	Min† -20°C	30°C	65°C	Max 90°C
15mm	16 bar	16 bar	16 bar	13 bar
22mm	10 bar	10 bar	10 bar	10 bar

SIZE

BOX QTY CODE

## Pro flexifit

	<b>Flexible Connector</b> Push-fit x push-fit. (10 year guarantee)	15mm (300mm long)	1	65983
		22mm (300mm long)	1	65984
	<b>Flexible Tap Connector</b> Push-fit x BSP parallel female thread. Spigot and washer joint (10 year guarantee)	15mm x 1/2" (300mm long)	1	65985
		22mm x 3/4" (300mm long)	1	65986

# Tectite SPRINT



## Push-fit fittings for copper tube

Tectite Sprint is available in sizes from 10mm to 28mm, and is ideal for joining plain and chrome plated copper tube to BS EN 1057. Manufactured from copper and DZR brass, Tectite Sprint is ideal for use on hot and cold-water services, in low-temperature hot water and heating.

Tectite Sprint is NOT suitable for use on gas applications.

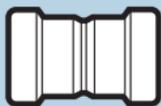
Tectite Sprint fittings are WRAS approved and guaranteed for 25 years against manufacturing defects when installed exclusively with Yorkex Copper Tube from Yorkshire Copper Tube Ltd, or for 25 years when used with other products.

Manufactured to Pegler Yorkshire's own exacting standards, Tectite Sprint fittings are designed for sustained operation at the service temperatures and pressures shown overleaf.

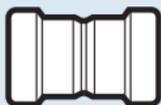
Tectite Sprint performance when correctly assembled with copper tube to BS EN 1057

Size	Service temperature			
	Min† -24°C	30°C	65°C	Max 114°C
10 to 28mm	20 bar	20 bar	16 bar	10 bar

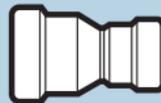
## Copper and chrome plated push-fit fittings

**TT1/TT270**

**Straight Coupling**  
 Push-fit x push-fit

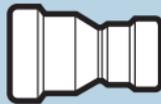
10mm	10	75500
12mm	10	75660
14mm	10	75661
15mm	10	75501
16mm	10	75662
18mm	5	75663
22mm	5	75502
28mm	5	75503

**TT1CP/TT270**

**Straight Coupling**  
 Push-fit x push-fit

10mm	10	75836
12mm	10	75837
15mm	10	75838

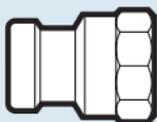
**TT1R/TT240**

**Reducing Coupling**  
 Push-fit x push-fit

14 x 12mm	10	75664
15 x 10mm	10	75504
15 x 12mm	10	75665
16 x 12mm	10	75666
16 x 14mm	10	75667
18 x 15mm	5	75668
18 x 16mm	5	75669
22 x 15mm	5	75505
22 x 16mm	5	75670
22 x 18mm	5	75671

**TT1RCP/TT240**

**Reducing Coupling**  
 Push-fit x push-fit

15 x 10mm	10	75840
15 x 12mm	10	75841

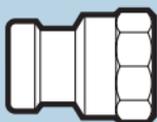
TT2/TT270G



**Straight Female Connector**  
Push-fit x BSP parallel female thread

10mm x 1/2"	10	75672
12mm x 1/2"	10	75673
14mm x 3/8"	10	75674
14mm x 1/2"	10	75675
15mm x 1/2"	10	75510
16mm x 1/2"	5	75676
18mm x 1/2"	5	75677
18mm x 3/4"	5	75835
22mm x 3/4"	5	75511
28mm x 1"	2	75678

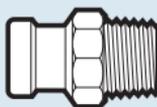
TT2CP/TT270G



**Straight Female Connector**  
Push-fit x BSP parallel female thread

12mm x 1/2"	10	75842
15mm x 1/2"	10	75843

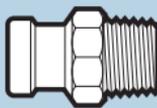
TT3/TT243G



**Straight Male Connector**  
Push-fit x BSP taper male thread

10mm x 3/8"	10	75679
10mm x 1/2"	10	75680
12mm x 3/8"	10	75681
12mm x 1/2"	10	75682
14mm x 3/8"	10	75683
14mm x 1/2"	10	75684
15mm x 1/2"	10	75515
16mm x 1/2"	10	75685
18mm x 3/4"	5	75687
22mm x 3/4"	5	75516
28mm x 1"	2	75518

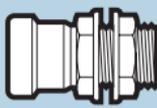
TT3CP/TT243G



**Straight Male Connector**  
Push-fit x BSP taper male thread

10mm x 1/2"	10	75844
12mm x 1/2"	10	75846
12mm x 3/8"	10	75845
15mm x 1/2"	10	75847

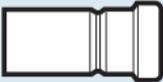
TT5



**Tank Connector**  
Push-fit x BSP parallel male thread with backnut

15mm x 1/2"	5	75520
22mm x 3/4"	5	75521

Push-fit fittings for copper tube

		SIZE	BOX QTY	CODE
<b>TT6/TT243</b> 	<b>Reducer</b> Larger end male for insertion into fitting x push-fit	15 x 10mm	10	75523
		15 x 12mm	10	75524
		18 x 15mm	5	75522
		22 x 14mm	5	75688
		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
		15 x 12mm	10	75849
		22 x 15mm	5	75850
<b>TT12/TT090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	75530
		12mm	10	75689
		14mm	10	75690
		15mm	10	75531
		16mm	10	75691
		18mm	5	75692
		22mm	5	75532
28mm	5	75533		
<b>TT12CP/TT090</b> 	<b>Elbow</b> Push-fit x push-fit	10mm	10	75851
		12mm	10	75852
		15mm	10	75853
		22mm	5	75854
<b>TT12S/TT092</b> 	<b>Street Elbow</b> Push-fit x male end for insertion into fitting	10mm	10	75535
		10 x 15mm	10	75536
		12mm	10	75693
		14mm	10	75694
		15mm	10	75537
		16mm	10	75695
		18mm	5	75696
22mm	5	75538		

SIZE

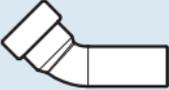
BOX QTY

CODE

<p><b>TT13/TT092G</b></p> 	<p><b>Male Elbow</b> Push-fit x BSP taper male thread</p>	<p>15mm x 1/2" 18mm x 1/2" 22mm x 3/4"</p>	<p>10 10 5</p>	<p>75540 75832 75833</p>
<p><b>TT13CP/TT092G</b></p> 	<p><b>Male Elbow</b> Push-fit x BSP taper male thread</p>	<p>15mm x 1/2"</p>	<p>10</p>	<p>75855</p>
<p><b>TT14/TT090G</b></p> 	<p><b>Female Elbow</b> Push-fit x BSP parallel female thread</p>	<p>14mm x 1/2" 15mm x 1/2" 16mm x 1/2" 18mm x 1/2" 22mm x 3/4"</p>	<p>10 10 10 10 5</p>	<p>75697 75545 75698 75830 75831</p>
<p><b>TT14CP/TT090G</b></p> 	<p><b>Female Elbow</b> Push-fit x BSP parallel female thread</p>	<p>15mm x 1/2"</p>	<p>10</p>	<p>75856</p>
<p><b>TT15/TT471G</b></p> 	<p><b>Backplate Elbow</b> Push-fit x BSP parallel female thread</p>	<p>12mm x 1/2" 14mm x 1/2" 15mm x 1/2" 18mm x 1/2"</p>	<p>5 5 5 5</p>	<p>75548 75699 75550 75834</p>
<p><b>TT15CP/TT471G</b></p> 	<p><b>Backplate Elbow</b> Push-fit x BSP parallel female thread</p>	<p>12mm x 1/2" 15mm x 1/2"</p>	<p>5 5</p>	<p>75857 75858</p>

# Tectite *SPRINT*

Push-fit fittings for copper tube

		SIZE	BOX QTY	CODE
<b>TT21/TT041</b> 	<b>Obtuse Elbow</b> Push-fit x push-fit	12mm	10	75701
		14mm	10	75702
		15mm	10	75551
		16mm	10	75703
		18mm	5	75704
		22mm	5	75552
		28mm	5	75553
<b>TT21S/TT040</b> 	<b>Obtuse Street Elbow</b> Push-fit x male end	12mm	10	75705
		14mm	10	75706
		15mm	10	75585
		16mm	10	75707
		18mm	5	75708
		22mm	5	75586
		28mm	5	75587
<b>TT24/TT130</b> 	<b>Equal Tee</b> Push-fit on all ends	10mm	10	75555
		12mm	10	75709
		14mm	10	75710
		15mm	10	75556
		16mm	10	75711
		18mm	5	75712
		22mm	5	75557
28mm	2	75558		
<b>TT24CP/TT130</b> 	<b>Equal Tee</b> Push-fit on all ends	10mm	10	75859
		12mm	10	75860
		15mm	10	75861
		22mm	5	75862

TT25/TT130



**Tee, reduced branch**  
Push-fit on all ends

14 x 14 x 12mm  
15 x 15 x 10mm  
15 x 15 x 12mm  
16 x 16 x 12mm  
16 x 16 x 14mm  
18 x 18 x 12mm  
18 x 18 x 14mm  
18 x 18 x 15mm  
22 x 22 x 10mm  
22 x 22 x 14mm  
22 x 22 x 15mm  
22 x 22 x 16mm  
22 x 22 x 18mm  
28 x 28 x 15mm  
28 x 28 x 18mm  
28 x 28 x 22mm

10 75713  
10 75565  
10 75714  
10 75715  
10 75716  
5 75717  
5 75718  
5 75719  
5 75566  
5 75720  
5 75567  
5 75721  
5 75722  
2 75568  
2 75723  
2 75569

TT25CP/TT130

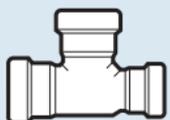


**Tee, reduced branch**  
Push-fit on all ends

15 x 15 x 10mm  
15 x 15 x 12mm  
22 x 22 x 15mm

10 75863  
10 75864  
5 75865

TT26/TT130



**Tee, one end reduced**  
Push-fit on all ends

15 x 12 x 15mm  
18 x 12 x 18mm  
18 x 15 x 18mm  
22 x 15 x 22mm  
22 x 18 x 22mm  
28 x 15 x 28mm  
28 x 22 x 28mm

10 75724  
5 75725  
5 75726  
5 75573  
5 75727  
2 75574  
2 75575

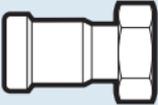
TT27/TT130



**Tee, one end and branch reduced**  
Push-fit on all ends

16 x 14 x 14mm  
22 x 15 x 15mm  
22 x 18 x 18mm  
28 x 18 x 18mm  
28 x 22 x 22mm

10 75728  
5 75582  
5 75729  
2 75730  
2 75584

		SIZE	BOX QTY	CODE
	<b>Stop End</b> Push-fit end for use on tube	10mm	10	75590
		12mm	10	75731
		14mm	10	75732
		15mm	10	75591
		16mm	10	75733
		18mm	5	75734
		22mm	5	75592
		28mm	5	75593
	<b>Stop End</b> Push-fit end for use on tube	10mm	10	75866
		12mm	10	75867
		15mm	10	75868
	<b>Tap Connector</b> Push-fit x BSP union nut	10mm x 1/2"	10	75600
		12mm x 3/8"	10	75736
		12mm x 1/2"	10	75735
		14mm x 3/8"	10	75738
		14mm x 1/2"	10	75737
		15mm x 1/2"	10	75601
		16mm x 1/2"	10	75739
		16mm x 3/4"	10	75740
		18mm x 1/2"	5	75741
		18mm x 3/4"	5	75742
		22mm x 3/4"	5	75603
	<b>Bent Tap Connector</b> Push-fit x BSP union nut	10mm x 1/2"	10	75604
		12mm x 1/2"	10	75743
		15mm x 1/2"	10	75605
		18mm x 1/2"	5	75744

# Tectite CARBON



## The carbon steel push-fit system

Tectite Carbon is available in sizes from 15mm to 54mm, for use on closed circuit heating and chilled water applications, and provides guaranteed electrical continuity. Tectite Carbon fittings are not suitable for use on gas applications.

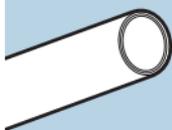
Tectite Carbon fittings are designed for use with our galvanised and plastic coated XPress Carbon Steel System tube. They can also be used with other thin-walled carbon steel tube to DIN 2394/NEN 1982. Fittings are guaranteed for 10 years against manufacturing defects when installed exclusively with XPress Carbon Steel System tube, or for 5 years when used with other products.

Tectite Carbon fittings are designed for sustained operation at the service temperatures and pressures shown below.

Tectite Carbon performance when correctly assembled with XPress Carbon System Tube and other carbon steel tube to DIN 2394/NEN 1982

Size	Service temperature			
	Min† -24°C	30°C	65°C	Max 114°C
15 to 54mm	20 bar	20 bar	16 bar	10 bar

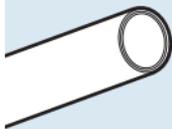
## Carbon steel system tube

**SC640**

**Galvanised Carbon Steel System Heating Tube**

Available in 3 and 6 metre lengths.

15mm x 1.2mm
18mm x 1.2mm
22mm x 1.5mm
28mm x 1.5mm
35mm x 1.5mm
42mm x 1.5mm
15mm x 1.2mm
18mm x 1.2mm
22mm x 1.5mm
28mm x 1.5mm
35mm x 1.5mm
42mm x 1.5mm
54mm x 1.5mm
66.7mm x 1.5mm
76mm x 2.0mm
89mm x 2.0mm
108mm x 2.0mm

3m	45080
3m	45081
3m	45082
3m	45083
3m	45084
3m	45086
6m	25080
6m	25081
6m	25082
6m	25083
6m	25084
6m	25085
6m	25086
6m	25090
6m	25087
6m	25088
6m	25089

**SC660**

**Plastic Coated Galvanised Carbon Steel System Heating Tube**

6 metre lengths. Wall thickness dimensions include plastic coating of 1mm thickness on all sizes

15mm x 2.2mm
18mm x 2.2mm
22mm x 2.5mm
28mm x 2.5mm
35mm x 2.5mm
42mm x 2.5mm
54mm x 2.5mm

6m	25060
6m	25061
6m	25062
6m	25063
6m	25064
6m	25065
6m	25066

## Carbon steel push-fit fittings

**TC1/TC270**

**Straight Coupling**  
 Push-fit x push-fit

15mm
18mm
22mm
28mm
35mm
42mm
54mm

10	76301
10	76302
5	76303
5	76304
5	76305
1	76306
1	76307

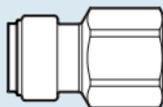
# Tectite CARBON

SIZE

BOX QTY

CODE

**TC2/TC270G**

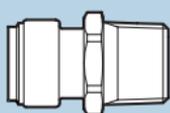


**Straight Female Connector**  
Push-fit x BSP parallel female thread

15mm x 1/2"  
18mm x 1/2"  
18mm x 3/4"  
22mm x 3/4"  
28mm x 1"  
35mm x 1 1/4"  
42mm x 1 1/2"

10 76336  
10 76337  
10 76338  
5 76339  
5 76340  
5 76341  
1 76342

**TC3/TC243G**

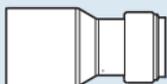


**Straight Male Connector**  
Push-fit x BSP taper male thread

15mm x 3/8"  
15mm x 1/2"  
18mm x 1/2"  
18mm x 3/4"  
22mm x 3/4"  
28mm x 1"  
35mm x 1 1/4"  
42mm x 1 1/2"  
54mm x 2"

10 76348  
10 76349  
10 76350  
10 76351  
5 76352  
5 76353  
5 76354  
1 76355  
1 76356

**TC6/TC243**



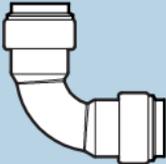
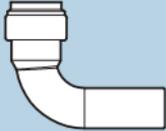
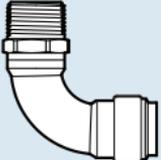
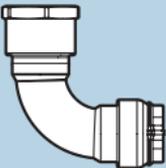
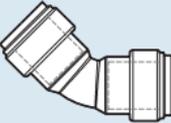
**Reducer**  
Larger end male for insertion into fitting x push-fit

18 x 15mm  
22 x 15mm  
22 x 18mm  
28 x 15mm  
28 x 18mm  
28 x 22mm  
35 x 15mm  
35 x 18mm  
35 x 22mm  
35 x 28mm  
42 x 22mm  
42 x 28mm  
42 x 35mm  
54 x 22mm  
54 x 28mm  
54 x 35mm  
54 x 42mm

10 76361  
5 76362  
5 76363  
5 76364  
5 76365  
5 76366  
5 76367  
5 76368  
5 76369  
5 76370  
1 76371  
1 76372  
1 76373  
1 76374  
1 76375  
1 76376  
1 76377

Galvanised carbon steel push-fit fittings

# Tectite CARBON

		SIZE	BOX QTY	CODE
	<b>Elbow</b> Push-fit x push-fit	15mm	10	76391
		18mm	10	76392
		22mm	5	76393
		28mm	5	76394
		35mm	5	76395
		42mm	1	76396
		54mm	1	76397
	<b>Street Elbow</b> Push-fit x male end for insertion into fitting	15mm	10	76406
		18mm	10	76407
		22mm	5	76408
		28mm	5	76409
		35mm	5	76410
		42mm	1	76411
		54mm	1	76412
	<b>Male Elbow</b> Push-fit x BSP taper male thread	15mm x 1/2"	10	76416
		18mm x 1/2"	10	76417
		22mm x 3/4"	5	76418
	<b>Female Elbow</b> Push-fit x BSP parallel female thread	15mm x 1/2"	10	76426
		18mm x 1/2"	10	76427
		22mm x 3/4"	10	76429
	<b>Obtuse Elbow</b> Push-fit x push-fit	15mm	10	76441
		18mm	10	76442
		22mm	5	76443
		28mm	5	76444
		35mm	5	76445
		42mm	1	76446
		54mm	1	76447

# Tectite CARBON

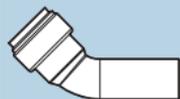
SIZE

BOX QTY

CODE

**TC21S/TC040**

**Obtuse Street Elbow**  
Push-fit x male end for  
insertion into fitting



15mm  
18mm  
22mm  
28mm  
35mm  
42mm  
54mm

10 76456  
10 76457  
5 76458  
5 76459  
5 76460  
1 76461  
1 76462

**TC24/TC130**

**Equal Tee**  
Push-fit on all ends



15mm  
18mm  
22mm  
28mm  
35mm  
42mm  
54mm

10 76466  
10 76467  
5 76468  
2 76469  
1 76470  
1 76471  
1 76472

**TC25/TC130**

**Tee, reduced branch**  
Push-fit on all ends



18 x 18 x 15mm  
22 x 22 x 15mm  
22 x 22 x 18mm  
28 x 28 x 15mm  
28 x 28 x 18mm  
28 x 28 x 22mm  
35 x 35 x 15mm  
35 x 35 x 18mm  
35 x 35 x 22mm  
35 x 35 x 28mm  
42 x 42 x 22mm  
42 x 42 x 28mm  
42 x 42 x 35mm  
54 x 54 x 22mm  
54 x 54 x 28mm  
54 x 54 x 35mm  
54 x 54 x 42mm

10 76482  
5 76483  
5 76484  
2 76485  
2 76486  
2 76487  
5 76488  
5 76489  
5 76490  
1 76491  
1 76492  
1 76493  
1 76494  
1 76495  
1 76496  
1 76497  
1 76498

**TC30/TC130G**

**Female Branch Tee**  
Push-fit ends x BSP  
parallel female branch

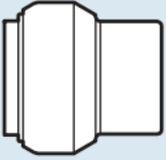
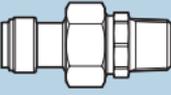


15 x 15mm x 1/2"  
18 x 18mm x 1/2"  
22 x 22mm x 1/2"  
28 x 28mm x 1/2"  
35 x 35mm x 1/2"  
42 x 42mm x 1/2"  
54 x 54mm x 1/2"

10 76536  
10 76537  
5 76538  
2 76539  
1 76540  
1 76541  
1 76542

Galvanised carbon steel push-fit fittings

# Tectite CARBON

		SIZE	BOX QTY	CODE
<b>TC61/TC301</b> 	<b>Stop End</b> Push-fit end for use on stainless steel tube	15mm*	10	25866
		18mm*	5	25870
		22mm*	5	25874
		28mm*	5	25876
		35mm*	1	25878
		42mm*	1	25880
		54mm*	1	25882
		<b>TC69/TC331G</b> 	<b>Straight Male</b> Union Connector Push-fit x BSP taper male thread	15mm x 1/2"
18mm x 1/2"	10			76572
22mm x 3/4"	5			76573
28mm x 1"	2			76574
35mm x 1 1/4"	1			76575
42mm x 1 1/2"	1			76576
54mm x 2"	1			76577

# Tectite 316



## Stainless steel push-fit fittings

Tectite 316 comprises stainless steel push-fit fittings to Tectite Pro specification, in sizes from 15mm to 54mm.

The range guarantees electrical continuity and is designed for use with stainless steel 316 System tube in potable water applications where water quality and hygiene are issues, particularly in the food and pharmaceutical industries. Tectite 316 fittings are not suitable for use on gas applications.

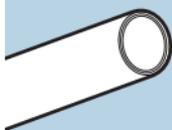
Tectite 316 fittings are guaranteed for 30 years against manufacturing defects when installed exclusively with stainless steel 316 System tube, or for 25 years when used with other stainless steel tube.

Tectite 316 fittings are WRAS and DVGW approved.

Tectile 316 performance when correctly assembled with stainless steel 316 System tube or other stainless steel System tubes to BS EN 10312 and DVGW GW541

Size	Min†-24°C	Service temperature		
		30°C	65°C	Max 114°C
15 to 28mm	20 bar	20 bar	16 bar	10 bar
Size	Min†-24°C	30°C	65°C	Max 90°C
35 to 54mm	16 bar	16 bar	10 bar	6 bar

## 316 System tube

**SS610**

**Stainless Steel**  
 316 HWG Tube  
 6 metre lengths

 15 x 0.6mm  
 18 x 0.6mm  
 18 x 0.7mm  
 22 x 0.6mm  
 22 x 0.7mm  
 28 x 0.8mm  
 35 x 1.0mm  
 42 x 1.0mm  
 42 x 1.1mm  
 54 x 1.0mm  
 54 x 1.2mm

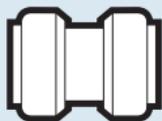
 6m 25010  
 6m 25012  
 6m 25001  
 6m 25014  
 6m 25002  
 6m 25016  
 6m 25018  
 6m 25020  
 6m 25019  
 6m 25022  
 6m 25021

SIZE

BOX QTY

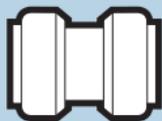
CODE

## 316 Stainless steel push-fit fittings

**TS1/TS270**

**Straight Coupling**  
 Push-fit x push-fit

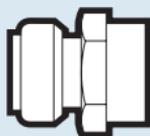
 15mm  
 18mm  
 22mm  
 28mm  
 35mm  
 42mm  
 54mm

 10 25114  
 5 25118  
 5 25121  
 5 25123  
 1 25126  
 1 25128  
 1 25130

**TS1S/TS270S**

**Slip Coupling**  
 Push-fit x push-fit

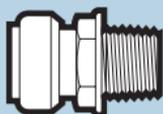
 15mm  
 18mm  
 22mm  
 28mm

 10 25141  
 5 25142  
 5 25143  
 5 25144

**TS2/TS270G**

**Straight Female Connector**  
 Push-fit x BSP parallel female thread

 15mm x 1/2"  
 18mm x 1/2"  
 18mm x 3/4"  
 22mm x 1/2"  
 22mm x 3/4"  
 22mm x 1"  
 28mm x 3/4"  
 28mm x 1"

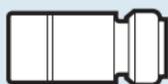
 10 25206  
 5 25210  
 5 25212  
 5 25220  
 5 25222  
 5 25223  
 2 25224  
 2 25225

**TS3/TS243G**

**Straight Male Connector**

Push-fit x BSP taper male thread

 15mm x 1/2"  
 18mm x 1/2"  
 18mm x 3/4"  
 22mm x 1/2"  
 22mm x 3/4"  
 28mm x 3/4"  
 28mm x 1"  
 35mm x 1 1/4"  
 42mm x 1 1/2"  
 54mm x 2"

 10 25267  
 5 25286  
 5 25288  
 5 25290  
 5 25292  
 2 25295  
 2 25296  
 1 25310  
 1 25312  
 1 25314

**TS6/TS243**

**Reducer**

Larger end male for insertion into fitting x push-fit

 18 x 15mm  
 22 x 15mm  
 22 x 18mm  
 28 x 15mm  
 28 x 18mm  
 28 x 22mm  
 35 x 22mm  
 35 x 28mm  
 42 x 22mm  
 42 x 28mm  
 42 x 35mm  
 54 x 35mm  
 54 x 42mm

 5 25424  
 5 25426  
 5 25430  
 5 25435  
 5 25437  
 5 25438  
 1 25452  
 1 25454  
 1 25458  
 1 25460  
 1 25462  
 1 25470  
 1 25472

**TS12/TS090**

**Elbow**

Push-fit x push-fit

 15mm  
 18mm  
 22mm  
 28mm  
 35mm  
 42mm  
 54mm

 10 25516  
 5 25520  
 5 25524  
 5 25528  
 1 25530  
 1 25532  
 1 25534

**TS12S/TS092**

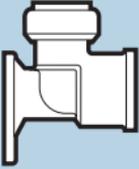
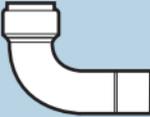
**Street Elbow**

Push-fit x male end for insertion into fitting

 15mm  
 18mm  
 22mm  
 28mm

 10 25496  
 5 25498  
 5 25500  
 5 25502

# Tectite 316

		SIZE	BOX QTY	CODE
	<b>Male Elbow</b> Push-fit x BSP taper male thread	15mm x 1/2"	10	25561
		18mm x 1/2"	5	25569
		22mm x 3/4"	5	25576
		28mm x 1"	5	25578
	<b>Female Elbow</b> Push-fit x BSP parallel female thread	15mm x 1/2"	10	25606
		18mm x 1/2"	5	25614
		18mm x 3/4"	5	25615
		22mm x 3/4"	5	25620
		28mm x 1"	2	25622
	<b>Backplate Elbow</b> Push-fit x BSP parallel female thread	15mm x 1/2"	5	25646
		18mm x 1/2"	5	25650
		22mm x 3/4"	5	25654
	<b>Slow Bend</b> Push-fit x push-fit	15mm	5	26003
		18mm	5	26005
		22mm	5	26007
		28mm	5	26008
		35mm	1	26009
		42mm	1	26010
		54mm	1	26011
	<b>Slow Street Bend</b> Push-fit x male end for insertion into fitting	15mm	5	26023
		18mm	5	26025
		22mm	5	26027
		28mm	5	26028

**TS21/TS041**

**Obtuse Elbow**

Push-fit x push-fit

 15mm  
 18mm  
 22mm  
 28mm  
 35mm  
 42mm  
 54mm

10	26043
5	26045
5	26047
5	26048
1	26049
1	26050
1	26051

**TS21S/TS040**

**Obtuse Street Elbow**

 Push-fit x male end for  
 insertion into fitting

 15mm  
 18mm  
 22mm  
 28mm  
 35mm  
 42mm  
 54mm

10	26063
5	26065
5	26067
5	26068
1	26069
1	26070
1	26071

**TS24/TS130**

**Equal Tee**

Push-fit on all ends

 15mm  
 18mm  
 22mm  
 28mm  
 35mm  
 42mm  
 54mm

10	25666
5	25670
5	25676
2	25678
1	25680
1	25682
1	25684

**TS25/TS130**

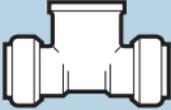
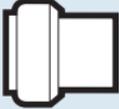
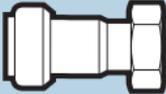
**Tee, reduced branch**

Push-fit on all ends

 18 x 18 x 15mm  
 22 x 22 x 15mm  
 22 x 22 x 18mm  
 28 x 28 x 15mm  
 28 x 28 x 18mm  
 28 x 28 x 22mm  
 35 x 35 x 15mm  
 35 x 35 x 22mm  
 35 x 35 x 28mm  
 42 x 42 x 22mm  
 42 x 42 x 28mm  
 54 x 54 x 22mm  
 54 x 54 x 28mm  
 54 x 54 x 35mm  
 54 x 54 x 42mm

5	25725
5	25737
2	25742
2	25744
2	25745
2	25746
1	25750
1	25752
1	25753
1	25756
1	25758
1	25762
1	25764
1	25765
1	25766

# Tectite 316

		SIZE	BOX QTY	CODE
<b>TS30/TS130G</b> 	<b>Female Branch Tee</b> Push-fit ends x BSP parallel female branch	15 x 15mm x 1/2"	10	25840
		18 x 18mm x 1/2"	5	25843
		22 x 22mm x 1/2"	5	25845
		22 x 22mm x 3/4"	5	25846
		28 x 28mm x 1/2"	2	25847
		35 x 35mm x 1/2"	1	25848
		42 x 42mm x 1/2"	1	25850
<b>TS61/TS301</b> 	<b>Stop End</b> Push-fit end for use on stainless steel tube	15mm	10	25866
		18mm	5	25870
		22mm	5	25874
		28mm	5	25876
		35mm	1	25878
		42mm	1	25880
54mm	1	25882		
<b>TS62/TS062</b> 	<b>Tap Connector</b> Push-fit x BSP union nut. Spigot and washer joint	15mm x 1/2"	10	25902
		22mm x 3/4"	5	25903

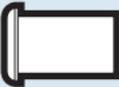
# **Tectite**



## **Tectite Accessories**

The Tectite range is complemented by a variety of accessories. These include deburring/scribe tools, disconnecting tools and clips, pipe clips, demounting end caps, grab rings and lubricant.

# Tectite

		SIZE	BOX QTY	CODE
<b>DT</b> 	<b>Disconnecting Tool</b> For use with Tectite Classic, Tectite Pro and Tectite 316 fittings	10mm	1	45970
		12mm	1	45971
		14mm	1	45972
		15mm	1	45973
		16mm	1	45974
		18mm	1	45975
		22mm	1	45977
		28mm	1	45978
<b>DC</b> 	<b>Disconnecting Clip</b> For use with Tectite Classic, Tectite Pro and Tectite 316 fittings	10mm	5	46100
		12mm	5	46101
		14mm	5	46102
		15mm	5	46103
		16mm	5	46104
		18mm	5	46105
		22mm	5	46107
		28mm	2	46108
<b>DTX</b> 	<b>Disconnecting Tool</b>	35 - 54mm	1	46145
<b>T66</b> 	<b>PEX Liner</b> For insertion into PEX pipe	10mm	20	60100
		15mm	50	60103
		22mm	50	60105
		28mm	20	60106
<b>T67</b> 	<b>Copper Liner</b> For insertion into copper tube	10mm	20	60144
<b>T110</b>	<b>Deburring/Scribe Tool</b> For scribing chrome plated tube and brass drum ended fittings in 10, 12, 15, 22 and 28mm sizes	10 - 28mm	1	46132

SIZE

BOX QTY

CODE

T115	<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
T125	 <b>Bend Former</b> For use with PEX pipe	15mm	10	60130
T140	 <b>Pipe Cutter-ratchet</b> For use with PEX pipe	10 - 28mm	1	60120
TCX	<b>End Cap</b>	35mm 42mm 54mm	1 1 1	46180 46181 46182
TDX	<b>Demounting End Cap</b>	35mm 42mm 54mm	1 1 1	46146 46151 46156
TX100	<b>Replacement 'O' Ring</b>	35mm 42mm 54mm	5 5 5	46147 46148 46149
TX105	<b>Replacement Grab Ring</b>	35mm 42mm 54mm	5 5 5	46135 46136 46137
TS106	<b>Replacement Grab Ring</b> For Tectite 316	35mm 42mm 54mm	5 5 5	46183 46184 46185

		SIZE	BOX QTY	CODE
S122	<b>Tube Preparation Kit</b>	35 - 54mm	1	39233
				
S130	<b>Silicone Lubricant Grease</b>	100g tub	1	39219
				
		SIZE	BOX QTY	CODE

## Tectite carbon push-fit accessories

TC143	<b>Internal Swivel Blade</b> Cobalt - For use with TC147	All tube sizes	10	76200
TC144	<b>Internal Swivel Blade</b> Carbide - BS2015 For use with TC147	All tube sizes	10	76201
TC145	<b>External Chamfer Bit</b> For use with TC146/148	15 - 22mm	1	76202
TC146	<b>Rotodrive Holder</b> For use with TC145/148		1	76203
TC147	<b>Noga 1000 Handle</b> For use with TC143/144		1	76208

SIZE

BOX QTY

CODE

TC148	<b>Noga 3000 Handle</b> For use with TC145/146		1	76206
TC150	<b>Noga External Chamfer Kit</b> Contains TC148/146/145		1	76207
TC155	<b>Carbon Cutter Wheel</b> For use with Rems Cento		1	76250
TC117	<b>Socket Depth Insertion Tool</b>	15 - 54mm	1	76121
S120	<b>Deburring Tool</b> For copper only	15 - 54mm	1	39168



## Tube compatibility and applications

### Tube compatibility

#### Fitting and tube compatibility

Tube/pipe type	Standard	Tectite Classic	Tectite Pro	Tectite Sprint	Tectite Carbon	Tectite 316
Copper tube	BS EN 1057	✓	✓	✓	–	✓
PB pipe (with liner)	BS 7291: Part 2	✓	✓	–	–	–
PEX pipe (with liner)	BS 7291: Part 3	✓	✓	–	–	–
Stainless steel tube	EN 10312	–	–	–	–	✓
Carbon steel tube	EN 10305-2	–	✓	–	✓	✓
Plastic coated carbon steel tube	EN 10305-2	–	–	–	✓	–

It is advisable to make copper to steel connections via gunmetal/copper alloy fittings.

#### Recommended Applications

Applications	Tectite Classic	Tectite Pro	Tectite Sprint	Tectite Carbon	Tectite 316
<b>Commercial mechanical services</b>					
Chilled	✗	✓	✓	✓	✗
Potable	✗	✓	✓	✗	✓
Heating	✗	✓	✓	✓	✗
Hot water services	✗	✓	✓	✗	✓
Food	✗	✗	✗	✗	✓
Brewery	✗	✗	✗	✗	✓
Gas	✗	✗	✗	✗	✗

## Recommended Applications

Applications	Tectite Classic	Tectite Pro	Tectite Sprint	Tectite Carbon	Tectite 316
<b>Domestic</b>					
Potable	✓	✗	✓	✗	✓
Heating	✓	✗	✓	✓	✓
Gas	✗	✗	✗	✗	✗
Hot water services	✓	✗	✓	✗	✗
Cold water services	✓	✗	✓	✗	✗
Grey/rain water	✓	✗	✓	✗	✗

## Materials specification and manufacturing standards

### Materials standards

Component	Tectite Classic	Tectite Pro	Tectite Sprint	Tectite Carbon	Tectite 316
Body	DZR brass or gunmetal	DZR brass or gunmetal	Copper or DZR brass	Carbon steel (Zinc plated)	Stainless steel (316)
'O' Ring	EPDM*	EPDM*	EPDM*	EPDM*	EPDM*
Alignment ring	Glass filled Nylon 6	Glass filled Nylon 6	Glass filled Nylon 6	Glass filled Nylon 6	Glass filled Nylon 6
Cartridge/ Demounting ring	Acetal copolymer	Up to 28mm cartridge ring brass	N/A	N/A	Up to 28mm cartridge ring brass
Grab ring	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
35-54mm End Cap	-	High performance nylon	-	-	High performance nylon
Shim	-	-	-	Mild steel (Zinc plated)	-

NB. The 'O' ring in all Tectite fittings is manufactured from Ethylene Propylene Diene Monomer (EPDM) and is supplied lubricated for easy tube insertion.

\*Ethylene Propylene Diene Monomer

## Materials standards

Component	Standard	Summary	Tectite Classic	Tectite Pro	Tectite Sprint	Tectite Carbon	Tectite 316
Taper end thread	ISO 7/EN10226-1 (formerly BS 21/ISO 7)	Pipe-threads, where pressure-tight joints are made on the threads (metric dimensions)	✓	✓	✓	✓	✓
Parallel end thread	BS EN ISO 228:2003 (formerly BS 2779/ ISO R228/1)	Pipe-threads, where pressure-tight joints are not made on the threads (metric dimensions)	✓	✓	✓	✓	✓



## Working temperatures and pressure tables

### Working temperatures and pressure tables

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

For products used in water systems, working temperatures of less than 4°C can only be achieved if antifreeze is added to the system.

#### 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)

## Working temperatures and pressure tables

Tectite Fitting	Tube/pipe used with	Min. temperature		Max. temperature	
Classic	Copper	-24°C*	30°C	65°C	95°C
		16 bar	16 bar	10 bar	16 bar
Classic	PB or PEX	-20°C*	20°C	65°C	92°C
		12 bar	12 bar	6 bar	16 bar
Pro up to 28mm	Copper	-24°C*	30°C	65°C	114°C
		20 bar	20 bar	16 bar	16 bar
Pro over 35mm	Copper	-24°C*	30°C	65°C	90°C
		16 bar	16 bar	10 bar	16 bar
Sprint	Copper	-24°C*	30°C	65°C	114°C
		20 bar	20 bar	16 bar	16 bar
Carbon	Stainless steel	-24°C	30°C	65°C	114°C
		20 bar	20 bar	16 bar	16 bar
Carbon	Plastic coated carbon steel	-24°C	30°C	65°C	114°C
		20 bar	20 bar	16 bar	16 bar
316 up to 28mm	Stainless steel	-24°C	30°C	65°C	114°C
		20 bar	20 bar	16 bar	16 bar
316 over 35mm	Stainless steel	-24°C	30°C	65°C	90°C
		16 bar	16 bar	10 bar	16 bar

\*Female T, TX and TT fittings to be DENSO® wrapped to avoid failure.

All performance figures based on correct assembly of fittings and tube/pipe as detailed in installation instructions.

### TECTITE CLASSIC & TECTITE PRO FLEXIBLE HOSE/TAP CONNECTORS:

Performance when correctly assembled with copper tube to BS EN 1057

Sizes	Min. temperature		Max. temperature	
15mm	-20°C*	30°C	65°C	90°C
	16 bar	16 bar	10 bar	6 bar
22mm	-20°C*	30°C	65°C	90°C
	10 bar	16 bar	10 bar	6 bar

### TECTITE PRO SERVICING VALVES:

Performance when correctly assembled with copper tube to BS EN 1057 and carbon steel System tube

Sizes	Min. temperature		Max. temperature	
15-54mm	-15°C*	30°C	65°C	90°C
	16 bar	16 bar	10 bar	6 bar



## Tubes, pipe and their compatibilities

### Copper tube



Compatible copper tube must meet the requirements of BS EN 1057 for copper and copper alloy – seamless round copper tubes for water (and gas) in sanitary and heating applications.

BS EN 1057 includes specified temper conditions (material strength) expressed as an 'R' number. Quite simply, the higher the number, the harder the material. As a result, tube diameter, wall thickness, length and the material temper must all be specified for full product designation.

All Tectite 316 fittings can be used with copper tube, although in humid conditions some staining of the tube may be witnessed (see page 58 Phenolic foam section for details on moisture-proof insulation).

Yorkex\* copper System tube is manufactured to the same standards as above and offers the same features and benefits.

\*Yorkex is a brand name of Yorkshire Copper Tube.

## Stainless steel 316 System tube



Specially designed to be used with Tectite 316 stainless steel fittings, 316 System tube is available in 6m straight lengths in sizes from 15mm to 54mm. The tube is manufactured from BS 316 S31/DIN 1.4401 stainless steel strip conforming to BS10088 Part 2 and thanks to its thin-walled geometry, is stiff, lightweight and easy to handle.

Tectite 316 fittings are also compatible with stainless steel tubes to BS EN 10312 (encompassing the former BS 4127) and DVGW GW541.



When Tectite stainless steel System tube is used with Tectite fittings as part of a complete system an enhanced guarantee of 30 years will apply.

Tectite fittings can also be used with stainless steel tube to the above standards, in which case a 25 year guarantee will apply.

## XPress galvanised carbon steel System tube and plastic coated carbon steel System tube



Carbon steel System tube from our XPress range is available in 3m and 6m straight lengths in sizes from 15mm to 108mm (54mm if plastic coated). Galvanised carbon steel System tube is manufactured in accordance with EN 10305-3 from material with a very low carbon content and has a thin-walled profile, resulting in a lightweight easier to handle product.

The galvanised coating (external only) has a minimum thickness of 7 microns and is thermally applied which provides a superior bond to the tube.

Tectite Carbon can be used with our SC640 galvanised carbon steel System tube or our SC660 plastic coated carbon steel System tube.



When XPress galvanised carbon steel System tube or plastic carbon steel System tube is used with Tectite Carbon fittings as part of a complete system an enhanced 10 year guarantee will apply.

Tectite Carbon fittings can also be used with carbon steel tube and plastic coated carbon steel tube to the above standards, in which case a 5 year guarantee will apply.



## System design considerations and tube expansion

### TECTITE PRO\*, TECTITE 316\* AND TECTITE CARBON\*:

Galvanised carbon steel System tube and plastic coated carbon steel System tube expansion

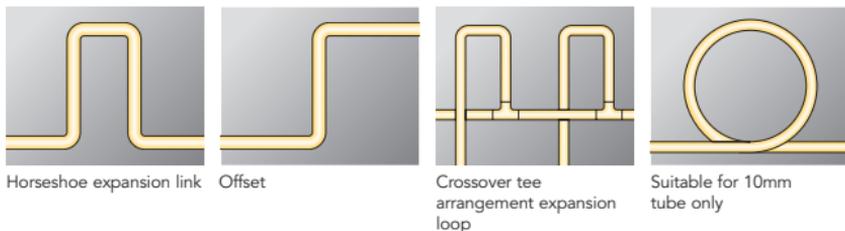
Temp. change	3m	4m	5m	6m	7m	8m	9m	10m	12m	25m
10°C	0.4mm	0.5mm	0.6mm	0.7mm	0.8mm	1.0mm	1.1mm	1.2mm	1.4mm	3.0mm
0°C	0.4mm	0.5mm	0.6mm	0.7mm	0.8mm	1.0mm	1.1mm	1.2mm	1.4mm	3.0mm
20°C	0.7mm	1.0mm	1.2mm	1.4mm	1.7mm	1.9mm	2.2mm	2.4mm	2.9mm	6.0mm
30°C	1.1mm	1.4mm	1.8mm	2.2mm	2.5mm	2.9mm	3.2mm	3.6mm	4.3mm	9.0mm
40°C	1.4mm	1.9mm	2.4mm	2.9mm	3.4mm	3.8mm	4.3mm	4.8mm	5.8mm	12.0mm
50°C	1.8mm	2.4mm	3.0mm	3.6mm	4.2mm	4.8mm	5.4mm	6.0mm	7.2mm	15.0mm
60°C	2.2mm	2.9mm	3.6mm	4.3mm	5.0mm	5.8mm	6.5mm	7.2mm	8.6mm	18.0mm
70°C	2.5mm	3.4mm	4.2mm	5.0mm	5.9mm	6.7mm	7.6mm	8.4mm	10.1mm	21.0mm
80°C	2.9mm	3.8mm	4.8mm	5.8mm	6.7mm	7.7mm	8.6mm	9.6mm	11.5mm	24.0mm
90°C	3.2mm	4.3mm	5.4mm	6.5mm	7.6mm	8.6mm	9.7mm	10.8mm	13.0mm	27.0mm
100°C	3.6mm	4.8mm	6.0mm	7.2mm	8.4mm	9.6mm	10.8mm	12.0mm	14.4mm	30.0mm

\*Closed circuit systems only.

## Correct anchoring

Always ensure the spur used to anchor the branch of a tee or connecting a radiator is long enough to allow normal thermal movement. Failure to observe this simple rule can lead to a failure. Incorporating expansion loops or bellows devices into the system can help guard against such problems, whilst a horseshoe link or offset (see diagrams) is an ideal way to counteract continual thermal cycling.

## Techniques for expansion stress relief



## Thermal expansion

Never use so-called 'cold draw techniques' when designing expansion joints into a system containing any Tectite push-fit fittings. These techniques may compromise the integrity of the surrounding joints.

## Design considerations

Some contracts may still require that proprietary chemicals are used to cleanse and flush pipework before full commissioning. Tectite is compatible with a wide selection of products. To find out more contact us.

## Pipe restraint

In any installation, the system should be supported to ensure the minimum stress is imposed on the tube/pipe and joints. For the maximum spacing of supporting brackets for internal installations, please see the table opposite.

## Insulation

For all Tectite Systems, we recommend you adhere to the insulation requirements as specified in BS 5970. These requirements are equally applicable to plastic pipe and stainless steel tube.

### Phenolic foam

When using rigid phenolic foam (or other thermal insulation) to lag pipework, always remember to refer to the lagging manufacturer's fixing instructions. To avoid the risk of external corrosion of copper pipework lagged with this foam, it is recommended that such insulation products be installed with a moisture barrier. Materials like Densopaste or a plastics covering applied by the tube manufacturer both provide an appropriate barrier between the outer surface of the tube or fitting and the foam.

Some manufacturers of this type of lagging supply their products with an internal, factory-applied sodium silicate or polyethylene barrier to prevent external corrosion problems. However, if you do need to add a barrier product, we recommend that all Tectite fittings are fully installed and pressure tested before these are applied and that they are completely coated.

### Covered pipework

Making provision for thermal movement is vital where pipe-work of any material is installed under screed, plaster or passes through brick or blockwork. The preferred practice is to: pass tubes and pipes through sleeves or conduits or to lay them in ducts surrounded by loose, non-rigid material such as vermiculite or glass wool. For further information, consult the publication BS 6700:1997 Water Services in Buildings.

### Local Water Authority

It's wise to consult the local water authority when it comes to pipework accessibility.

### Tube bending

Portable bending machines are ideal for copper tubes up to 28mm. Most machines bend the tube between matched formers and back guides that support the outside diameter (OD) of the tube. This eliminates the risk of the tube wall collapsing.

The point at which the bending pressure is exerted must be maintained at the correct distance in front of the former's point of support.

It's also important to keep formers and guides well lubricated.

Bending tubes correctly will avoid any wrinkling and flattening that can affect flow conditions.

# Tectite

Using adjustable bending machines (which allow the pressure on the back guide to be adjusted) will ensure perfect bends every time so long as the root (inside) bending radius is at least 3 times the outside diameter of the tube.

## Pipework clearance

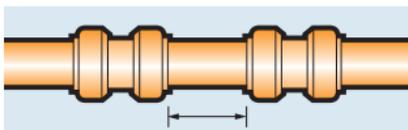
When designing a Tectite System, please take care to ensure all joints can be made and demounted easily. Observe minimum gaps and insertion distances to ensure sufficient access for a demounting clip/tool, where applicable (see fitting spacing tables).

Fitting spacing for Tectite Sprint and Carbon (not demountable)		
Sizes	Min. gap between fittings	Min. tube projection
10mm	5mm	20mm
15mm	5mm	21mm
22mm	5mm	23mm
28mm	5mm	25mm

Fitting spacing for Tectite Classic, Pro and 316		
Sizes	Min. gap between fittings	Min. tube projection
10mm	10mm	40mm
12mm	10mm	40mm
15mm	10mm	40mm
22mm	10mm	50mm
28mm	10mm	100mm
35mm	10mm	100mm
42mm	10mm	100mm
54mm	10mm	100mm

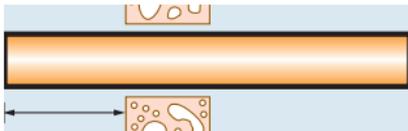
## Spacing

### Fitting spacing



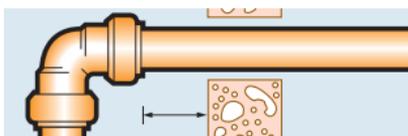
Sufficient space must be left between fittings to allow room for dis-assembly tools to operate. See adjacent table for fitting spacing.

### Minimum projection



Similar consideration should be given to the distance pipe stubs project through walls or bulkheads. Refer to table.

### Good practice



Projection distances shown in the table also ensure that the subsequent installation will be a convenient distance from the wall.



## Installation instructions

### Installation instructions 10mm to 28mm

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

#### **Guide to installation**

The jointing procedures are almost identical for every type of Tectite fitting and compatible tube material. Where there are variations (such as inserting a liner into a PEX pipe) these are shown on the following pages and in the fitting instructions. 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 to be used. If this is the case you should check the tube/pipe is round and deburred 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, reconnection must not be considered until the heated tubes have been allowed to cool and have been flushed to remove

# Tectite

any flux residues. Use pipe clips to secure finished installations and prevent vibration or movement.

## Painting

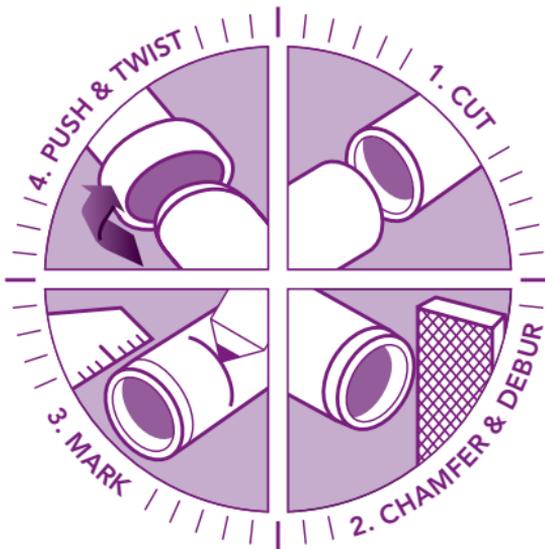
Fittings can be painted with water-based paints. Oil-based or aggressive solvent paint should be avoided.

## Boiler connection

Tectite-PEX barrier pipe should not be joined directly to a boiler or other similar heat source. Connection should be via a piece of copper tube a minimum of 1m long.

## Pipe preparation

Tectite Metal Push-Fit System components are designed and built to provide exceptional performance and the highest quality. In order to ensure the use of Tectite pipe and fittings results in perfect joints, good pipe preparation is paramount. The simple diagram below shows the four stages of perfect pipe preparation, a more detailed description exploring the various materials and differing tools available to perform the tasks follows overleaf.



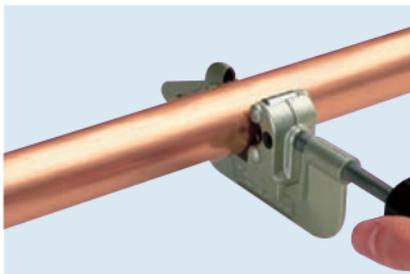
## Pipe preparation

### 1. Cut Pipe

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. Cut the tube square using a rotary tube cutter wherever possible on copper and pipe shears for PEX.

Note, Once cut utilise the S115 stripping tool if working with plastic coated Carbon Steel (1,C).



# Tectite

## 2a. Deburr

Remove any burrs or sharp edges from the external tube end using a the manufacturers tool. Also, ensure the internal bore is deburred. A fine toothed file should be used on stainless steel. A percussion deburrer can be used on larger bore tube.

Note if PEX or PB is used the manufacturers liner must be inserted



# Tectite

## 2b Chrome pipe

Tectite offer a solution to the problematic process of using Push Fit on Chrome. Scribe the tube using the T110/T115 (Sprint) scribing tool to ensure positive grab ring location.

Successful preparation will result in a deep scratch into the chrome finish, equal in depth to the fittings grab ring.



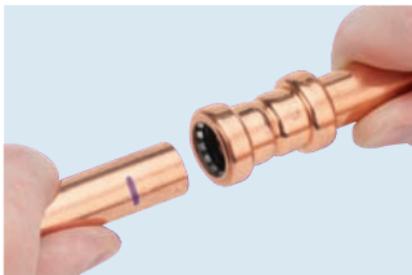
# Tectite

## 3. Mark Depth and Insert

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 or pipe using a socket depth marker.

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

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



## 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.

## Warnings

Whilst Fitting Tectite;

- 1 Do not push fingers into the fitting.
- 2 Do not use on gas installations.
- 3 Do not apply external heat within 1 Metre of the fitting.
- 4 Do not use with male ended fittings, other than Tectite fittings from within the same sub range.
- 5 Tectite Sprint, Tectite Pro, Tectite Carbon, Tectite 316 fittings only provide electrical continuity with joined using metal pipe.

## Socket depths

Sizes	Size	Socket depth
<b>Tectite</b> CLASSIC	10-18mm	23mm
	22mm	27mm
	28mm	31mm
<b>Tectite</b> PRO	10-18mm	23mm
	22mm	27mm
	28mm	31mm
	35mm	57mm
	42mm	62mm
<b>Tectite</b> SPRINT	54mm	68mm
	10mm	15mm
	15mm	16mm
	22mm	18mm
<b>Tectite</b> CARBON	28mm	20mm
	15mm	18mm
	18mm	18mm
	22mm	18mm
	28mm	20mm
	35mm	31mm
<b>Tectite</b> 316	42mm	32mm
	54mm	37mm
	10-18mm	23mm
	22mm	27mm
	28mm	31mm
	35mm	57mm
	42mm	62mm
	54mm	68mm

## 35-54mm Standard Cap end demount



### 1. Large Fitting

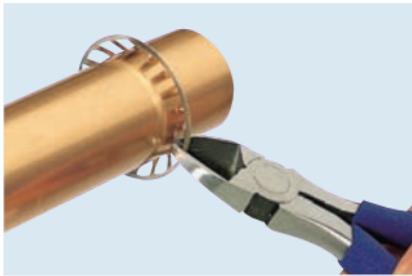
Tectite Classic, Tectite Pro and Tectite 316 fittings in sizes 10mm to 28mm can all be disconnected as shown on the previous page. 35-54mm however, comprise different components and therefore demount in a slightly different fashion. If the fittings are to be demounted regularly a TDX end cap can be purchased

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## 2a. Disassemble

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

Pull the tube out of the fitting, remove and discard the 'O' ring whilst retaining the alignment ring.



## 2b. Reassemble

Before re-assembly have replacement parts for the discarded items ready for insertion, ensuring all the components are clean and the 'O' ring is lubricated using S130 Silicone lubricant from the accessories range. Replace the components in the correct order, as shown, and check they are fully seated in the fitting body.



### 3. Tighten and Refit

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 in contact with the alignment ring. Again screw the end cap into the fitting.

Temporarily insert 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. Remove the tube.

Revert to insertion guidance.

## TDX End Cap Demount Guide

### 1. Locate Tool

If you intend to demount the fitting on a regular basis, a TDX demounting end cap should be purchased separately and substituted for the standard end cap. To remove the tube from the fitting, insert the prongs of the Tectite DTX end cap tool in the recesses in the status indicator.



### 2. Dismount

Turn anti-clockwise fully. The status indicator will withdraw into the fitting, indicating that the fitting is in the de-mountable position.

Using a 'clockwise' twisting and pulling action the tube can now be removed.



### 3. Separate and inspect

Before reusing the fitting, the status indicator must be returned to the mounted position (protruding).

Important: If the status indicator is not in the protruding position, the assembly will not withstand full system pressure.



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