



Get up to 70% installed cost savings...



Cut the tube square



Deburr the tube ends



Mark socket depth



Push fitting onto tube with turning action

54mm joint



Job done! Both ends completed



Designed for use in conjunction with XPress carbon steel System tube, the non-demountable Tectite Advance System is five times quicker to install than a traditional screwed steel installation. With installed cost savings of up to 70%, borne out in an independent industry report, Tectite Advance can help to deliver projects on time and within budget.

Features

- Available in sizes from 15mm to 54mm
- Manufactured from galvanised carbon steel
- Provides electrical continuity
- Can be used with XPress carbon steel System tube and plastic coated XPress tube
- Light weight and easy to fit
- Designed for use with unvented closed circuit heating and chilled water services (closed loop)

Guarantees

Tectite Advance fittings are guaranteed for 5 years against manufacturing defects. When used in a System exclusively with our XPress Carbon steel System tube, a guarantee of 10 years applies.

To qualify for these guarantees, products must be installed in accordance with our instructions on specified applications.

Installation instructions

To ensure Tectite Advance fittings stay clean and free from damage, only remove the fitting from its packaging immediately prior to installation.

Preliminaries

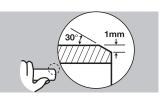
Select the right size of tube and fitting. Ensure both are clean and free from damage, scores and imperfections, and that the "0" ring and grab ring are clean and intact within the fitting. Do not use any additional lubricant or sealing compounds.

Preparation

1. Cut the tube square using a Rems Cento cutting tool and the TA155 Carbon cutter wheel (76250). This will leave you with a 1mm chamfer on the outside of the tube as indicated in the diagram.



to achive the perfect chamfer.



If using a manual rotary tube cutter on sizes 15-22mm you will need chamfer the tube end using a TA145 external chamfer bit.

2. When using plastic coated Carbon steel tube, the coating must be removed to the socket depth of the fitting using the S115 stripping tool from the XPress accessories range. Select the correct sized tool, fully insert the tube and twist the tool until the excess of plastic is completely detached.



3. Remove any burrs or sharp edges from the external and internal tube end using an S120 deburring tool, wipe clean the tube end to remove all swarf and debris.



4. Mark the socket depth using a marker/pencil and the T117 depth gauge or with a ruler to the correct depth (see table).



Socket depths		
Size	Socket	
	depth	
15mm	18mm	
18mm	18mm	
22mm	18mm	
28mm	20mm	
35mm	31mm	
42mm	32mm	
54mm	37mm	

Jointing

5. Inspect the fitting ensuring that the grab rings/'0'-rings have not been contaminated with grit or debits. Insert the tube/pipe into the mouth of the fitting to rest against the grab ring.



- - 6. Hold the tube inline with the fitting soket and push the tube firmly with a slight twisting action until it reaches the tube stop with a positive "click".



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



NOTE: Tectite Advance fittings must not be used with male ended fittings or valves from other Tectite or Pegler Yorkshire ranges (Except T526S). Other third party male-ended products shall NOT be used with Tectite Advance. Do not use Tectite Advance on gas services. Tectite Advance Fittings are non-demountable.

Tube compatibility

Tectite Advance fittings are designed to be used with our galvanised and plastic coated XPress Carbon steel System tube to EN 10305-3 formerly

Tectite Advance Range

SC640 – Galvanised Carbon Steel System Tube (6m lengths)					
SIZE	BOX QTY	CODE			
15mm x 1.2mm	6m	25080			
18mm x 1.2mm	6m	25081			
22mm x 1.5mm	6m	25082			
28mm x 1.5mm	6m	25083			
35mm x 1.5mm	6m	25084			
42mm x 1.5mm	6m	25085			
54mm x 1.5mm	6m	25086			
SC660 – Plastic Coated Galvanised Carbon Steel System Tube (6m lengths)					
SIZE	BOX OTY	CODE			
15mm x 2.2mm	6m	25060			
18mm x 2.2mm	6m	25060			
22mm x 2.5mm	6m	25062			
28mm x 2.5mm	6m	25063			
35mm x 2.5mm	6m	25064			
42mm x 2.5mm	6m	25065			
54mm x 2.5mm	6m	25066			
TA1/TA270 Straight coupling					
jjj		00			
SIZE	BOX QTY	CODE			
15mm	10	76000			
18mm	10	76001			
22mm	5	76002			
28mm	5	76003			
35mm	5	76004			
42mm 54mm	1	76005 76006			
54000	1	70000			
TA2/TA270G Straight female connec	tor				
SIZE	BOX QTY	CODE			
15mm x 1/2"	10	76007			
18mm x 1/2"	10	76008			
18mm x ³ /4"	10	76009			
22mm x ³ /4"	5	76010			
28mm x 1" 35mm x 1¼"	5 5	76011 76151			
42mm x 11/2"	1	76151			
TA3/TA243G					
Straight male connecto					
SIZE	BOX QTY	CODE			
15mm x 3/8"	10	76012			
15mm x 1/2"	10	76013			
18mm x 1/2" 18mm x 3/4"	10 10	76014 76015			
22mm x ³ /4"	5	76015			
28mm x 1"	5	76017			
35mm x 11/4"	5	76018			
42mm x 1¼"	1	76019			
54mm x 2"	1	76020			
TA6/TA243 Reducer	Γ				
Reducer					
SIZE	BOX QTY	CODE			
18 x 15mm	10	76021			
22 x 15mm	5	76022			
22 x 18mm	5	76023			
28 x 15mm	5	76024			
28 x 18mm	5	76025			
28 x 22mm	5	76026			
35 x 15mm	5	76110			
35 x 18mm	5	76111			
25 v 22mm					
35 x 22mm 35 x 28mm	5 5	76027 76028			

42 x 22mn

Continued

76112

42mm

54mm

76059

76060

(DIN 2394/NEN 1982). They can also be used with other thin-walled carbon steel tubes meeting this specification.

Continued – TA6/TA243 SIZE BOX OTY CODE 42 x 28mm 76113 42 x 35mm 54 x 22mm 76029 76030 54 x 28mm 76031 54 x 35mm 76114 54 x 42mm 76032 1 TA12/TA090 Elbow SIZE BOX QTY CODE 15mm 10 76033 18mm 10 76034 22mm 5 76035 76036 28mm 5 35mm 76037 5 42mm 76038 1 54mm 76039 TA12S/TA092 Street elbow SIZE BOX QTY CODE 15mm 10 76040 18mm 10 76041 22mm 5 76042 28mm 5 76043 35mm 76044 42mm 1 76045 54mm 76046 TA13/TA092G Male elbow SIZE BOX QTY CODE 15mm x ½" 76153 10 18mm x 1/2" 10 76139 22mm x 3/4" 5 76140 TA14/TA090G Female elbow SIZE BOX QTY CODE 15mm x ½" 18mm x ½" 10 10 76154 76137 22mm x 3/4" 10 76138 TA21/TA041 Obtuse elbow CODE ST7F BOX OTY 15mm 10 76047 10 76048 18mm 22mm 5 76049 76050 28mm 35mm 5 76051 42mm 76052 54mm 1 76053 TA21S/TA040 **Obtuse street elbow** SIZE BOX QTY CODE 15mm 10 76054 18mm 10 76055 76056 22mm 5 28mm 5 76057 76058 35mm 5

TA24/TA130 Equal tee SIZE BOX QTY CODE 15mm 10 76061 18mm 10 76062 76063 22mm 5 76064 76065 28mm 2 35mm 42mm 76066 76067 54mm TA25/TA130 Tee, reduced branch SIZE BOX OTY CODE 18 x 18 x 15mm 10 76068 22 x 22 x 15mm 5 76069 22 x 22 x 18mm 5 76070 28 x 28 x 15mm 76071 28 x 28 x 18mm 2 76072 28 x 28 x 22mm 76073 35 x 35 x 15mm 5 76074 35 x 35 x 18mm 76075 35 x 35 x 22mm 5 76076 35 x 35 x 28mm 76077 42 x 42 x 22mm 76078 42 x 42 x 28mm 76079 42 x 42 x 35mm 54 x 54 x 22mm 54 x 54 x 28mm 76080 76081 76082 54 x 54 x 35mm 76083 54 x 54 x 42mm 76084 TA30/TA130G Female branch tee SIZE BOX QTY CODE 15 x 15mm x 1/2 10 76085 18 x 18mm x ½" 10 76086 22 x 22mm x 1/2 76087 5 28 x 28mm x ½" 2 76088 35 x 35mm x 1/2 1 76089 42 x 42mm x ¹/₂" 54 x 54mm x ¹/₂" 76090 76091 TS61/TS301 Stop end ST7F BOX OTY CODE 15mm 10 25866 25870 18mm 5 25874 25876 22mm 5 28mm 5 25878 25880 35mm 42mm 54mm 25882 TA69/TA331G Straight male union connector SIZE BOX QTY CODE 15mm x 1/2 10 76092 18mm x ¹/₂" 22mm x ³/₄" 76094 76097 10 5 28mm x 1" 2 76099 35mm x 11/4" 76100 5 42mm x 1¹/4" 54mm x 2" 76101 76102 1 T117 Depth Gauge BOX QTY CODE SIZE 15 to 54mm 1 76120

S115 (BE Tube stripper SIZE CODE BOX OTY 15mm 39260 39261 18mm 22mm 39262 1 39263 28mm 35 to 54mm 39264 S120 Deburring Tool SIZE BOX QTY CODE 15 to 54mm 39168 1 TA143 Internal swivel blade Cobalt - For use with TA147 SIZE BOX QTY CODE All tube sizes 10 76200 TA144 Internal swivel blade I Carbide - BS2015 For use with TA147 SIZE BOX QTY CODE All tube sizes 10 76201 TA145 External chamfer bit For use with TA146/148 SIZE BOX QTY CODE 15 - 22mm 1 76202 TA146 Rotodrive holder For use with TA145/148 듓 STZE BOX OTY CODE N/A 1 76203 TA147 Noga 1000 handle Fore use with TA143/144 ST7F BOX OTY CODE N/A 1 76208 TA148 Noga 3000 handle For use with TA145/146 SIZE BOX QTY CODE 76206 N/A 1 TA150 P/I ___) Noga deburring kit Contains TA148/146/145 SIZE BOX QTY CODE 15 - 22mm 76207 1 TA155 Carbon cutter wheel ٥O٥ For use with Rems Cento SIZE BOX QTY CODE All tube sizes 76250 1

System performance

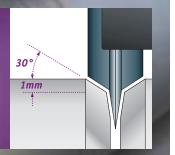
Working temperatures and pressures					
Size	Min -24°C	30°C	65°C	Max 114°C	
15mm to 54mm	20 bar	20 bar	16 bar	10 bar	



The galvanised carbon steel push-fit system

Get the perfect chamfer finish with the new TA155 cutter wheel!

Good tube preparation is the most critical aspect of installing both push-fit and press-fit systems. To make preparation easier Pegler Yorkshire has developed the TA155, a new cutter wheel specifically designed for cutting/chamfering carbon steel tube with a Rems Cento tool.



The TA155 provides the perfect chamfer for protecting the "O"Ring on tube insertion, ensuring a sound joint is made.



Our brands:

Tectite)

terrier) ENDEX) meibes)

YORKSHIRE) **KUTERLITE**) **PRESTEX**) PERFORMA) **OHENCO**)



XPress)

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