

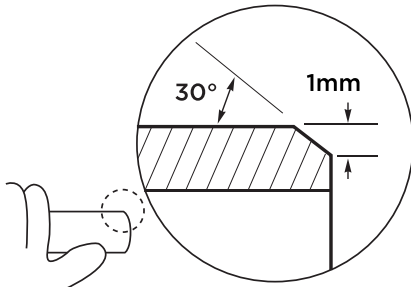
installation instructions

for joints 10mm to 54mm

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

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

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



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

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

Mark the socket depth on the pipe with a marker.

fitting socket depths for VSH Tectite

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

*Classic only available up to 28mm

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

Select the correct type and size of fitting for pipework.

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

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

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

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

note:

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

Do not use VSH Tectite fittings on gas services.

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

de-mounting VSH Tectite fittings

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

for sizes 10mm to 28mm

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

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

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

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

for sizes 35mm to 54mm

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

Pull the tube out of the fitting body.

Remove and discard the 'O' ring.

Remove and retain the alignment ring.

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

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



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

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

the advantages of VSH Tectite:

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

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

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

further details

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