

CONNECTION COLLAR SYSTEM 2.0

Completely Seal Connections Quickly & Easily with Advanced Versatility



Picote's next generation Connection Collar System 2.0 provides a superior 360° connection rehabilitation system. Our unique, fully taped, black thread seamed Connection Collars and custom Push Rods allow you to quickly and easily install and rehabilitate connections – with optional steam curing for even faster project completion.

The system is designed to seal up to 360mm (14½") up the junction and therefore beyond the first pipe joint in the line to seal the connection, preventing infiltration and exfiltration. Go further with our unique new push rods that are both strong enough for pushing and rotation, while also flexible enough to navigate multiple bends.

USES, BENEFITS & TECHNICAL SPECIFICATIONS

Uses

- Seals main line and lateral connections
- Protects against infiltration & exfiltration
- Use in lined or unlined pipes
- Access from main line or lateral

Features and Benefits

- Available for standard T & Y connections, and double connections with 90° or 180° angles
- **Fully Taped Seams:** Eliminates risk of resin leakage to create a high quality connection
- **Black Seam Thread:** Makes it very easy to visually line up the connection for perfect installations!
- **Steam Port:** Unique one-way steam port allows optional steam curing, while retaining capability of vacuuming down the Bladder for easier removal
- **Custom Push Rods:** Both strong enough for pushing and rotation, while also flexible enough to navigate multiple bends

Technical Specifications

Category	Measurement
Main Pipe Range	DN70-225 (3-9")
Connection Pipe Range	DN50-225 (2-9")
Normal Air Pressure	0.3–1.5 bar (4.4-21.8 psi)



PRODUCTS & PART NUMBERS

Connection Collar 2.0 Products	
Part Number	Product
1410000021	Installation Tool 2.0 Head 31mm (1.22") for DN70-100 / 3-4"
1410000022	Installation Tool 2.0 Head 51mm (2") for DN150 / 6"
1410000036	Installation Tool 2.0 Head 71mm (2.79") for DN200-225 / 8-9"
1410000023	Push Rod 22mm (.87") DN70-150 (3-6") more flexible/multiple bends
1410000032	Push Rod 24mm (.94") DN100-225 (4-9") more rigid/longer runs
1410000024 / 1410000024US	Turning Handle 2.0
1410000025 / 1410000025US	Installation Tool 2.0 Air Adapter
1410000000 / 1410000000US	Pocket Vacuum 2.0
1410000026	Installation Tool 2.0 Hybrid Tape
1410000027	Installation Tool 2.0 Sealing Tape
1410000028	Installation Tool 2.0 Cover Tape
1410000037	Bladder Lubricant Spray
1410000038	Silicone Glue 90ml
1410000029	Strapping Tool
1410000031	Stainless Steel Cable Tie
1410000033	Super Glidez (1kg)
1410000033	Food Grade Teflon Grease
1410000035	Installation Tool 2.0 Accessories Starter Kit <i>(includes Super Glidez, Hybrid Tape, Sealing Tape, Cover Tape, & Bladder Lubricant Spray in a Picote Tool Bag.</i>

Silicone Bladders

Silicone Bladders have an increased length for the "main" section of the bladder. All of the Bladders have a 1m (3.28') long main, providing additional space to get the lateral bladder to completely fit inside the main longitudinally so you are now able to make the whole "package" smaller before installation.



Installation Tool Heads

- Three Installation Tool Head sizes available:
 - Installation Tool Head – 31mm (1.22") PN: 1410000021 for DN70-100 (3-4") installations
 - Installation Tool Head – 51mm (2") PN: 1410000022 for DN150 (6") installations
 - Installation Tool Head – 71mm (2.79") PN: 1410000036 for DN200-225 (8-9") installations
- Installation Tool Heads can be used for both ambient and steam curing. A unique cap design allows the use of an integrated one-way flow/steam port. When the flow/steam port is open, it automatically closes when you begin to vacuum the bladder down.
- Installation Tool Heads can be connected to the Push Rods from either end, which reduces the need for additional Tool Heads. The same Installation Tool Head with a Y-bladder can be used for downstream (Y-lateral pointing towards) & upstream (Y-lateral pointing away) installations, so you only need one Installation Tool Head.



Push Rods

Picote's custom are designed to be both strong enough to push and rotate, while also flexible enough to go through multiple bends thanks in part to unique customized connectors that are small enough to maintain flexibility in bends. There are 2 versions, the slightly smaller .22mm (.87") version for extra flexibility for more bends and smaller pipes, or the 24mm (.94") version that has more rigidity for longer runs & larger pipes. They work as a push/turn rod and air or steam supply, so there is no need for separate push rods & air/steam hoses. Available in 1.5m (5ft) lengths.



Silicone Bladders

- Increased length: 1m (3.28') main body
- T & Y versions
- Double connections with 90° or 180° angles
- Designed for use with epoxy resin systems

Turning Handle

- The Turning Handle (PN 1410000024 & 1410000024US) makes positioning the Connection Collar easy.
- An air valve facilitates the inflation process, so you are able to control how much pressure/air you let into the Bladder. This allows you to guide the Connection Collar to the precise location before fully inflating it.



Special Installation Tool Head **Sealing Tape** (PN 1410000027) provides a complete seal between the Installation Tool Head and Bladder. It also has a high temperature resistance, which works perfectly when using steam.

Installation Tool Head **Cover Tape** (PN 1410000028) is a strong tape used to cover the clamps which hold the Bladder on the Tool Head.



Installation Tool Head **Hybrid Tape** (PN 1410000026) is ideal for tying the Connection Collar before installation. It breaks very easily once you start to inflate the Bladder.

The **Strapping Tool** (1410000029) combined with very strong stainless steel **Cable Ties** (1410000031) makes the connection between the Installation Tool Head and Bladder airtight. The advantage of these cable ties is that the locks are very small and thin. The locks on normal hose clamps are quite large, which means they can easily get stuck to pipe joints or tight bends.



The Installation Tool **Air Adapter** (1410000025 & 1410000025US) is designed to replace the Turning Handle during the **wet-out and curing process**. This enables the release of the Turning Handle to be used in the next installation while the previous one is curing.

Installation Tool Accessories Starter Kit is available! This Starter Kit includes Super Glidex, Hybrid Tape, Sealing Tape, Cover Tape, & Bladder Lubricant Spray in a Picote Tool Bag.

