

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 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 700mm (27½") up the junction and therefore beyond the first pipe joint 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
- Versions for lined or unlined pipes
- Access from main line or lateral
- Available for Single T&Y Connections and Double Connections with 90° or 180° angles

Features and Benefits

- **Black Seam Thread:** Makes it very easy to visually line up the connection for perfect installations
- **GRP Collars:**
 - Stronger & 25% thicker with fiberglass layer
 - For unlined or lined pipes using Silicate resins
- **Felt Collars:**
 - Fully Taped Seams eliminates resin leakage
 - Designed for use in lined pipes using Epoxy resins
- **Steam Port:** One-way steam port allows steam curing, can still vacuum down Bladder for easier removal
- **Custom Push Rods:** Strong enough for pushing & rotation, flexible enough to navigate multiple bends

Technical Specifications

Category	Measurement
GRP Connection Collars (Sizes)	
Main Pipe	DN100-300 (4-12")
Connection Pipe	DN100-300 (4-12")
Felt Connection Collars (Sizes)	
Main Pipe	DN70-225 (3-9")
Connection Pipe	DN50-225 (2-9")
Installation Air Pressure	0.3-1.5 Bar (4.4-21.8 PSI)

PRODUCTS & PART NUMBERS

Connection Collar 2.0 Parts & Accessories	
Part Number	Product
1410000021	Installation Tool 2.0 Head 31mm (1.22") for DN70-100 (3-4") Pipes
1410000022	Installation Tool 2.0 Head 51mm (2") for DN150-200 (6-8") Pipes
1410000048	Installation Tool 2.0 Head 91mm (3.58") for DN225-300 (9-12") Pipes
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 Oil
1410000038	Silicone Glue 90ml (3 oz)
1410000029	Strapping Tool
1410000031	Stainless Steel Cable Tie
1410000039	Bladder Release Agent
1410000035	Installation Tool 2.0 Accessories Starter Kit <i>(includes Bladder Release Agent, Tape (Hybrid, Sealing & Cover) in a Picote Tool Bag)</i>
1410000035WO	Installation Tool 2.0 Accessories Starter Kit (with oil) <i>(includes Bladder Release Agent, Hybrid Tape (Hybrid, Sealing & Cover) & Bladder Lubricant Oil in a Picote Tool Bag)</i>
Bladders - Double Connection	
PN	Description
1417100707T-90	Picote Bladder DN100/70/70 (4/3/3") T - 90° between connections
1417100707Y-90	Picote Bladder DN100/70/70 (4/3/3") Y - 90° between connections
1417100707T-180	Picote Bladder DN100/70/70 (4/3/3") T - 180° between connections
1417100707Y-180	Picote Bladder DN100/70/70 (4/3/3") Y - 180° between connections
1417101010T-90	Picote Bladder DN100/100/100 (4/4/4") T - 90° between connections
1417101010Y-90	Picote Bladder DN100/100/100 (4/4/4") Y - 90° between connections
1417101010T-180	Picote Bladder DN100/100/100 (4/4/4") T - 180° between connections
1417101010Y-180	Picote Bladder DN100/100/100 (4/4/4") Y - 180° between connections
1417151010T-90	Picote Bladder DN150/100/100 (6/4/4") T - 180° between connections
1417151010Y-90	Picote Bladder DN150/100/100 (6/4/4") Y - 90° between connections
1417151010T-180	Picote Bladder DN150/100/100 (6/4/4") T - 180° between connections
1417151010Y-180	Picote Bladder DN150/100/100 (6/4/4") Y - 180° between connections
Bladders - No Connection	
PN	Description
1416070001	Picote Bladder DN70 (3") - no connection, 1m (3.2ft) long
1416100001	Picote Bladder DN100 (4") - no connection, 1m (3.2ft) long
1416150001	Picote Bladder DN150 (6") - no connection, 1m(3.2ft) long

PRODUCTS & PART NUMBERS

Bladders - Single Connection			
PN	Description	PN	Description
1416007050T	Picote Bladder DN70/50 (3/2") T	1416225100T-B	Picote Bladder DN225/100 (9/4") T
1416007050Y	Picote Bladder DN70/50 (3/2") Y	1416225100Y-B	Picote Bladder DN225/100 (9/4") Y
1416007070T	Picote Bladder DN70/70 (3/3") T	1416225150T-B	Picote Bladder DN225/150 (9/6") T
1416007070Y	Picote Bladder DN70/70 (3/3") Y	1416225150Y-B	Picote Bladder DN225/150 (9/6") Y
1416010050T	Picote Bladder DN100/50 (4/2") T	1416225200T-B	Picote Bladder DN225/200 (9/8") T
1416010050Y	Picote Bladder DN100/50 (4/2") Y	1416225200Y-B	Picote Bladder DN225/200 (9/8") Y
1416010070T	Picote Bladder DN100/70 (4/3") T	1416225225T-B	Picote Bladder DN225/225 (9/9") T
1416010070Y	Picote Bladder DN100/70 (4/3") Y	1416225225Y-B	Picote Bladder DN225/225 (9/9") Y
1416100100T	Picote Bladder DN100/100 (4/4") T	1416250100T	Picote Bladder DN250/100 (10/4") T
1416100100Y	Picote Bladder DN100/100 (4/4") Y	1416250100Y	Picote Bladder DN250/100 (10/4") Y
1416125070T	Picote Bladder DN125/70 (5/3") T	1416250150T	Picote Bladder DN250/150 (10/6") T
1416125070Y	Picote Bladder 5DN125/70 (5/3") Y	1416250150Y	Picote Bladder DN250/150 (10/6") Y
1416125100T	Picote Bladder DN125/100 (5/4") T	1416250200T	Picote Bladder DN250/200 (10/8") T
1416125100Y	Picote Bladder DN125/100 (5/4") Y	1416250200Y	Picote Bladder DN250/200 (10/8") Y
1416125125T	Picote Bladder DN125/125 (5/5") T	1416250250T	Picote Bladder DN250/250 (10/10") T
1416125125Y	Picote Bladder DN125/125 (5/5") Y	1416250250Y	Picote Bladder DN250/250 (10/10") Y
1416150070T	Picote Bladder DN150/70 (6/3") T	1416300100T	Picote Bladder DN300/100 (12/4") T
1416150070Y	Picote Bladder DN150/70 (6/3") Y	1416300100Y	Picote Bladder DN300/100 (12/4") Y
1416150100T	Picote Bladder DN150/100 (6/4") T	1416300150T	Picote Bladder DN300/150 (12/6") T
1416150100Y	Picote Bladder DN150/100 (6/4") Y	1416300150Y	Picote Bladder DN300/150 (12/6") Y
1416150150T	Picote Bladder DN150/150 (6/6") T	1416300200T	Picote Bladder DN300/200 (12/8") T
1416150150Y	Picote Bladder DN150/150 (6/6") Y	1416300200Y	Picote Bladder DN300/200 (12/8") Y
1416200100T	Picote Bladder DN200/100 (8/4") T	1416300225T	Picote Bladder DN300/225 (12/9") T
1416200100Y	Picote Bladder DN200/100 (8/4") Y	1416300225Y	Picote Bladder DN300/225 (12/9") Y
1416200150T	Picote Bladder DN200/150 (8/6") T	1416300250T	Picote Bladder DN300/250 (12/10") T
1416200150Y	Picote Bladder DN200/150 (8/6") Y	1416300250Y	Picote Bladder DN300/250 (12/10") Y
1416200200T	Picote Bladder DN200/200 (8/8") T	1416300300T	Picote Bladder DN300/300 (12/12") T
1416200200Y	Picote Bladder DN200/200 (8/8") Y	1416300300Y	Picote Bladder DN300/300 (12/12") Y

Installation Tool Heads

- Three Installation Tool Head sizes available:
 - Installation Tool Head, 31mm (1.22") PN:1410000021 for DN70-100 (3-4")
 - Installation Tool Head, 51mm (2") PN:1410000022 for DN150-200 (6-8")
 - ~~Installation Tool Head, 71mm (2.8") PN:1410000036 for DN150 (8-9")~~ **(Discontinued January 2024)**
 - Installation Tool Head, 91mm (3.58") PN:1410000048 for DN225-300 (9-12") 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

- T & Y versions
- Double connections with 90° or 180° angles
- Designed for use with epoxy or silicate 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.



Alternately Hose Clamps can be used instead of Cable Ties.

- PN 9500000385 for DN75-100 (3-4")
- PN 9500000387 for DN150-200 (6-8")
- PN 9500000391 for DN225-300 (9-12")

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 Kits are available! Includes Bladder Release Agent, Tape (Hybrid, Sealing & Cover Tape), & two options for Bladder Lubricant Oil, all in a Picote Tool Bag.



The Picote Midi Steamer provides superior steam curing for connection collars, point repairs, and short CIPP liners. This compact unit features automatic temperature monitoring and user adjustable temperature targets.

A steam/air mixture temperature sensor is paired with a digital thermostat that can be adjusted to any desired user setting. It automatically mixes the steam and air to achieve the desired temperature and will automatically shut off the system if it runs low on water. Set the timer to automatically cure to the desired time.

CIPP Steamer Product & Parts

PN	Description
2400000001	Picote Midi Steamer EU 240v
2400000001UK	Picote Midi Steamer UK 120v
2400000001US	Picote Midi Steamer USA 240V Single Power 30A
2400000002US	Picote Midi Steamer USA 110V Dual Power 15A
2400000003US	Picote Midi Steamer USA 110V Single Power 30A