



# CATALOGUE

1.1. – 30.6.2021

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## MULTI-USE MACHINES FOR A RANGE OF CHALLENGES\*

- **High-Speed Cleaning:** 500 to 2900rpm\*
- **Lateral CIPP Reinstallments**
- **Unblocking Pipes**
  - Fats, Oils, and Grease
  - Wet Wipes and Diapers
- **Remove:**
  - Roots and Scale
  - Concrete, Grout and Slurry
  - Failed CIPP Liners, Wrinkles, Fins and Resin Slugs
  - Displaced Joints & Intruding Connections
- **P-Traps and Multiple Bends**
- **Picote Brush Coating™** by adding a Mini/Maxi Coating Pump\*

\*Depending on model



## SAFETY & TESTING

Our machines are designed with operator safety in mind. The flexible shaft rotates inside a protective casing which makes it safe to hold. All Millers are also fitted with a safety clutch, a shielded operator presence foot control and an emergency stop button. Before leaving Picote, ALL Millers undergo rigorous testing to ensure they meet our high quality standards.

# MILLER RANGE

Mini Cleaner | Mini Cleaner +C | Battery Mini Cleaner | Battery Mini Cleaner +C |  
Mini Miller | Mini Miller +C | Battery Mini Miller | Battery Mini Miller +C | Super Midi  
Miller | Maxi Miller | Maxi Plus Miller | Maxi Miller Power+

## NEW +C MILLERS WITH INTEGRATED CAMERA

The Picote Mini Miller +C and Mini Cleaner +C units feature an integrated 30m colour camera that makes viewing of cleaning and cutting jobs easier and makes Picote Brush Coating™ setup simpler.



## Miller Range

### Mini Cleaner



**3540000816 (230v) 3540000816UK (110v)**

8mm Shaft with Flexible Outer Casing

High Speed Cleaning DN32-75, Cutting DN32-75 & Brush Coating DN32-75

Max Range: 16m (no extension).

Weight: 26.5kg. 500-2900rpm.

Includes Cleaning Tools Package DN32-40.

Designed with plumbers in mind. Cleaning, descaling, roots, cutting & coating in small pipes is now easier than ever before. Standard safety features: protective outer shaft casing, operator presence foot control, mechanical safety clutch. Operate with a 1.5kVA 110V/16amp transformer in UK.

### Mini Miller



**3540000817 (230v) 3540000817UK (110v)**

8mm Shaft with Thick Outer Casing

High Speed Cleaning DN50-100, Cutting DN50-75 & Brush Coating DN50-150

Range: 16m. Max Range: 26m with extension.

Weight: 27kg. 500-2900rpm.

Can be extended 10m (1312030085010 Shaft 8mm Thick 10m).

Lightweight & compact while covering a large application range in small pipes. Standard safety features: mechanical safety clutch, operator presence foot control, protective outer shaft casing & E-stop. Operate with a 1.5kVA 110V/16amp transformer in UK.

### Super Midi Miller 10mm Shaft



**3551031000 (230v) 3551031000UK (110v)**

10mm Shaft with Thin Outer Casing

High Speed Cleaning DN50-150, Cutting DN50-150 & Brush Coating DN70-200

Range: 23m. Max Range: 33m with extension.

Weight: 65kg. 500-1500rpm.

Can be extended 10m (Extension: 1312020105010 Shaft 10mm 10m).

Offers the strength and flexibility of 10mm shaft. Use even in DN50 pipes! Standard safety features: protective outer shaft casing, operator presence foot control, electric safety clutch and E-stop. Operate with a 1.5kVA 110V/16amp transformer in UK.

### Super Midi Miller 12mm Shaft



**3551031220 (230v) 3551031220UK (110v)**

12mm Shaft with Thin Outer Casing

High Speed Cleaning DN70-150, Cutting DN70-150 & Brush Coating DN70-200

Range: 20m. Max Range: 30m with extension.

Weight: 68kg. 500-1500rpm.

Can be extended 10m (Extension: 1312020125010 Shaft 12mm Thin 10m).

Offers the added strength of the 12mm shaft with a weight of only 68kg. Standard safety features: protective outer shaft casing, operator presence foot control, electric safety clutch and E-stop. Operate with a 1.5kVA 110V/16amp transformer in UK.



## Miller Range

### Maxi Miller



#### **3560032012 (230v) 3560032012UK (110v)**

12mm Shaft with Thick Outer Casing.

**Use with 3kVA 32amp transformer in UK.**

DN70-250, Cutting DN70-200 & Brush Coating DN70-300

Range: 30m. Max Range: 40m with extension.

Weight: 89kg. 500-1475rpm.

Can be extended 10m (Extension: 1312021125010 Shaft 12mm Thick 10m).

Opens the door for new jobs such as blockage and root removal, light and heavy descaling, reinstating lines in CIPP, epoxy brush coating, liner & concrete removal, and more. Standard safety features: protective outer shaft casing, operator presence foot control, electric safety clutch and E-stop.

### Maxi Miller Plus



#### **3560042012 (230v) 3560042012UK (110v)**

12mm Shaft with Thick Outer Casing.

**Separate Control Box with 5m cord.**

High Speed Cleaning DN70-250, Cutting DN70-200 & Brush Coating DN70-300.

Range: 30m. Max Range: 40m with extension.

Weight: 93kg. 500-1475rpm.

Can be extended 10m (Extension: 1312021125010 Shaft 12mm Thick 10m)

The same great features of the Maxi Miller but with a removable control unit on a 5m cord. Standard safety features include: protective outer shaft casing, operator presence foot control, electric safety clutch and E-stop.

### Maxi Miller Power+



#### **3570032018 3570032018UK**

18mm Shaft. **400v, 3-Phase, 16amp.**

High Speed Cleaning DN100-300 & Cutting DN75-300 (DN75-100 in straight pipe only).

Range: 18m. Max range: 40m with extension.

Weight: 129kg. 500-1500rpm.

Add 2x11m extensions. Extension sold separately (1312021180011 Shaft 18mm 11m).

For the most challenging jobs the Maxi Power+ is by far the most powerful Picote Miller on the market, taking cleaning, lining removal, and cutting/reinstatements to another level for larger diameter pipes. 400 Volt, 3-phase machine. Safety features include: protective outer shaft casing, shielded operator presence foot control, electric safety clutch and E-stop. Powered by the Picote Generator or comparable unit.

### Picote Generator 400v

#### **1350000022 1350000022UK**

18mm Shaft, UK model includes a 3.3kVA portable tool transformer with a 110v 16A & 32A socket. Weight 360kg.

Get the most out of your Maxi Power+ with the Picote Generator. Already configured for the Power+ so no need to rewire on site, removing risk of potential damage to the machine and making sure that there is enough power getting to it for those tough jobs. The Picote Generator comes with a 3.3kVA portable tool transformer with a 110v 16A & 32A socket.

**Conveniently power all your Millers with this great value generator!**

## Miller Range

### Maxi Power+ & Picote Generator

**3570032118 3570032118UK**

18mm Shaft

High Speed Cleaning DN100-300 & Cutting DN75-300 (DN75-100 in straight pipe only).

Range: 18m. Max range: 40m. Weight: 113kg. 500-1500rpm.

Add 2x11m extensions. Extension sold separately (1312021180011 Shaft 18mm 11m).

UK model includes a 3.3kVA portable tool transformer with a 110v 16A & 32A socket.

The Picote Generator comes with a 3.3kVA portable tool transformer with a 110v 16A & 32A socket. Conveniently power all your Millers with the Generator.

**A powerful combination at outstanding value!**



### Mini Cleaner +C

**3540001816 (230v) 3540001816UK (110v)**

8mm Shaft with Flexible Outer Casing. **Integrated Camera.**

High Speed Cleaning DN32-75, Cutting DN32-75 & Brush Coating DN32-75

Max Range: 16m (no extension). Weight: 31kg. 500-2900rpm.

Camera Specs: Head Diameter 14mm, 30m cable, 512hz integrated sonde.

17.8cm colour monitor. Lighting: 8 LEDs with brightness control

Digital footage counter. Stainless steel camera head (IP68).

Mini Cleaner +C features an integrated 30m colour camera that makes viewing of cleaning and cutting jobs easier and helps to make Picote Brush Coating™ setup even simpler. Features a smaller colour camera head that allows it to follow the Mini Cleaner through DN50 p-traps & bends.



### Mini Miller +C

**3540001817 (230v) 3540001817UK (110v)**

8mm Shaft with Thick Outer Casing. **Integrated Camera.**

High Speed Cleaning DN50-100, Cutting DN50-75 & Brush Coating DN50-150

Range: 16m. Max Range: 26m with extension. Weight: 31.5kg. 500-2900rpm.

Camera Specs: Head Diameter 23mm, 30m cable.

17.8cm colour monitor. Lighting: 12 LEDs with brightness control

Digital footage counter. Stainless steel camera head (IP68).

Mini Miller +C features an integrated 30m colour camera that makes viewing of cleaning and cutting jobs easier and helps to make Picote Brush Coating™ setup even simpler. Self-levelling camera head has a 512hz integrated sonde. Also includes non self-levelling camera head for Picote Brush Coating™.



### Battery Powered Mini Cleaner

**3540002816 (230v) 3540002816UK (230v)**

8mm Shaft with Flexible Outer Casing

High Speed Cleaning DN32-75, Cutting DN32-75 & Brush Coating DN32-75

Max Range: 16m (no extension). Weight: 33kg. Standard Battery Weight: 3.5kg

800-2200rpm Stepless Speed Control (forward & reverse)

Includes Cleaning Tools Package DN32-40.

The cordless battery powered Mini Cleaner makes quick work of cleaning, descaling, root removal, cutting, reinstatements & brush coating. **Easy to transport and operate regardless of power outlet locations or availability!** Includes Standard Battery for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 4.1kg) upgrade for up to 4 hours of continuous work sold separately.



## Miller Range

### Battery Powered Mini Miller

**3540002817 (230v) 3540002817UK (230v)**

8mm Shaft with Thick Outer Casing

High Speed Cleaning DN50-100, Cutting DN50-75 & Brush Coating DN50-150  
Range: 16m. Max Range: 26m with extension.

Weight: 33kg. Standard Battery Weight: 3.5kg

800-2200rpm Stepless Speed Control (forward & reverse)

The cordless battery powered Mini Miller makes quick work of cleaning, descaling, root removal, cutting, reinstatements & brush coating. **Easy to transport and operate regardless of power outlet locations or availability!** Includes Standard Battery for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 4.1kg) upgrade for up to 4 hours of continuous work sold separately.

### Battery Powered Mini Cleaner +C

**3540003816 (230v) 3540003816UK (230v)**

8mm Shaft with Flexible Outer Casing. **Integrated Camera.**

High Speed Cleaning DN32-75, Cutting DN32-75 & Brush Coating DN32-75

Max Range: 16m (no extension). Weight: 38kg. 800-2200rpm Stepless Speed Control

Camera Specs: Head Diameter 23mm, 30m cable. Stainless steel camera head (IP68).

17.8cm colour monitor. Lighting: 8 LEDs with brightness control Digital footage counter.

Designed with plumbers in mind. Same great features as the Battery Powered Mini Cleaner. **Easy to transport and operate regardless of power outlet locations or availability!** Includes Standard Battery (Weight: 3.5kg) for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 4.1kg) upgrade for up to 4 hours of continuous work sold separately.

### Battery Powered Mini Miller +C

**3540003817 (230v) 3540003817UK (230v)**

8mm Shaft with Thick Outer Casing. **Integrated Camera.**

High Speed Cleaning DN50-100, Cutting DN50-75 & Brush Coating DN50-150  
Range: 16m. Max Range: 26m with extension.

Weight: 38kg. 800-2200rpm Stepless Speed Control (forward & reverse)

Camera Specs: Head Diameter 23mm, 30m cable. Stainless steel camera head (IP68).

17.8cm colour monitor. Lighting: 12 LEDs with brightness control Digital footage counter.

Same great features as the Battery Powered Mini Miller. **Easy to transport and operate regardless of power outlet locations or availability!** Includes Standard Battery (Weight: 3.5kg) for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 4.1kg) upgrade for up to 4 hours of continuous work sold separately.





# PICOTE KITS

- **Picote Starter Kits**
- **Picote Pro Cleaning Kits**
- **Picote Pro Cutting Kits**

## JOIN THE RANKS OF PICOTE PROS WITH KITS THAT COVER ALL THE BASES

There is never a single solution at the worksite, right? With our Picote Kits you can have all of the most commonly used tools to tackle almost any situation. Purchase the kit for the diameter that you mostly work with.

## Starter Kits | Cutting Kits | Cleaning Kits

### Picote Starter Kit DN50 - 8mm Shaft



**1011000050**

Cleaning (8mm Shaft)

DN50 Starter Kit for drain cleaning and descaling, including a Smart Sweeper, Smart Cutter™, Original Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN70 - 8mm Shaft



**1011000070**

Cleaning (8mm Shaft)

DN70 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN100 - 8mm Shaft



**1011008100**

Cleaning (8mm Shaft)

DN100 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN70 - 12mm Shaft



**1011012070**

Cleaning (12mm Shaft)

DN70 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN100 - 12mm Shaft



**1011012100**

Cleaning (12mm Shaft)

DN100 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN150 - 12mm Shaft



**1011012150**

Cleaning (12mm Shaft)

DN150 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.

### Picote Starter Kit DN200 - 12mm Shaft



**1011012200**

Cleaning (12mm Shaft)

DN200 Starter Kit for drain cleaning and descaling, including new Tiger Drill Chain, Smart Cutter™, Cyclone Premium Chain, Original PVC Chain & Combo Hex Key.



## Starter Kits | Cutting Kits | Cleaning Kits



### Picote Starter Package DN100 - 12mm Shaft

**1011000100**

Cleaning (12mm Shaft)

Smart Cutter™ with DN100 Original & Cyclone Premium Chain.



### Picote Starter Package DN150 - 12mm Shaft

**1011000150**

Cleaning (12mm Shaft)

Smart Cutter™ with DN150 Original & Cyclone Premium Chain.



### Picote Pro Cutting Kit DN50 - 8mm Shaft

**1030008050**

Cutting (8mm Shaft)

A customised DN50 kit with most commonly used cutting/reinstatement tools, including a Twister Express with a spare Front Drill Head kit, Special Drill Heads and the Smart Cutter™ with spare Side Grinding Panels. Also includes a Sleeve and Leaders.



### Picote Pro Cutting Kit DN70 - 8mm Shaft

**1030008070**

Cutting (8mm Shaft)

A customised DN70 kit with most commonly used cutting/reinstatement tools, including a Twister Express with a spare Front Drill Head kit, Special Drill Heads and the Smart Cutter™ with spare Side Grinding Panels. Also includes a Sleeve and Leaders.



### Picote Pro Cutting Kit DN70 - 12mm Shaft

**1030012070**

Cutting (12mm Shaft)

A customised DN70 kit with most commonly used cutting/reinstatement tools, including a Twister Express with a spare Front Drill Head kit, Special Drill Heads and the Smart Cutter™ with spare Side Grinding Panels. Also includes Sleeves, Leaders, Front Metal Panels and a Front Drill Head.



### Picote Pro Cutting Kit DN100 - 12mm Shaft

**1030012100**

Cutting (12mm Shaft)

A customised DN100 kit with most commonly used cutting/reinstatement tools, including a Twister Express with a spare Front Drill Head kit, Special Drill Heads and the Smart Cutter™ with spare Side Grinding Panels. Also includes Sleeves, Leaders, Front Metal Panels and a Front Drill Head.



### Picote Pro Cutting Kit DN150 - 12mm Shaft

**1030012150**

Cutting (12mm Shaft)

A customised DN150 kit with most commonly used cutting/reinstatement tools, including a Twister with a spare Front Drill Head kit and the Smart Cutter™ with spare Side Grinding Panels. Also includes Sleeves, Leaders, Front Drill Heads, 2x Front Metal Panel 1mm and 3mm for liner removal.



## Starter Kits | Cutting Kits | Cleaning Kits



### Picote Pro Cutting Kit DN200 - 12mm Shaft

**1030012200**

Cutting (12mm Shaft)

A customised DN200 kit with most commonly used cutting/reinstatement tools, including a Twister with a spare Front Drill Head kit and the Smart Cutter™ with spare Side Grinding Panels. Also includes a Sleeve, Leaders, Front Drill Heads, 2x Front Metal Panel 1mm and 3mm for liner removal.



### Picote Pro Cleaning Kit DN50 - 8mm Shaft

**1020008050**

Cleaning (8mm Shaft)

A customised DN50 kit with most commonly used cleaning/descaling tools, including a Special Drill Head, Leaders, different types of Chains & Brushes, the Smart Cutter™ with spare Side Grinding Panels and the Mini Sweeper with spare Legs.



### Picote Pro Cleaning Kit DN70 - 8mm Shaft

**1020008070**

Cleaning (8mm Shaft)

A customised DN70 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes, the Smart Cutter™ with spare Side Grinding Panels and the Mini Sweeper with spare Legs.



### Picote Pro Cleaning Kit DN100 - 8mm Shaft

**1020008100**

Cleaning (8mm Shaft)

A customised DN100 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes and the Smart Cutter™ with spare Side Grinding Panels.



### Picote Pro Cleaning Kit DN70 - 12mm Shaft

**1020012070**

Cleaning (12mm Shaft)

A customised DN70 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes and the Smart Cutter™ with spare Side Grinding Panels.



### Picote Pro Cleaning Kit DN100 - 12mm Shaft

**1020012100**

Cleaning (12mm Shaft)

A customised DN100 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes, the Smart Cutter™ with spare Side Grinding Panels and the Smart Spider with spare Legs.



### Picote Pro Cleaning Kit DN150 - 12mm Shaft

**1020012150**

Cleaning (12mm Shaft)

A customised DN150 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes, the Smart Cutter™ with spare Side Grinding Panels and the Smart Spider with spare Legs.

## Starter Kits | Cutting Kits | Cleaning Kits



### Picote Pro Cleaning Kit DN200 - 12mm Shaft

**1020012200**

Cleaning (12mm Shaft)

A customised DN200 kit with most commonly used cleaning/descaling tools, including a Sleeve, a Special Drill Head, Leaders, different types of Chains & Brushes and the Smart Cutter™ with spare Side Grinding Panels.



### Tool Bag Extra Small (28x13x10cm)

**9350000203**

Tool Bag

Mix & Match! Build your own custom Picote Tool Kit.



### Tool Bag Small (38x21x14cm)

**9350000204**

Tool Bag

Mix & Match! Build your own custom Picote Tool Kit.



### Tool Bag Medium (63x20x18cm)

**9350000201**

Tool Bag

Mix & Match! Build your own custom Picote Tool Kit.



### Tool Bag Large (63x32x30cm)

**9350000202**

Tool Bag

Mix & Match! Build your own custom Picote Tool Kit.

## EXPAND YOUR BUSINESS WITH PICOTE 3D CHAINS

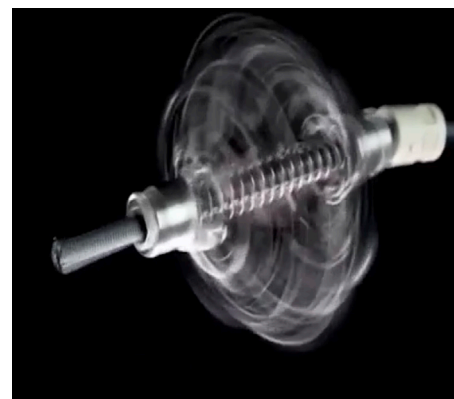
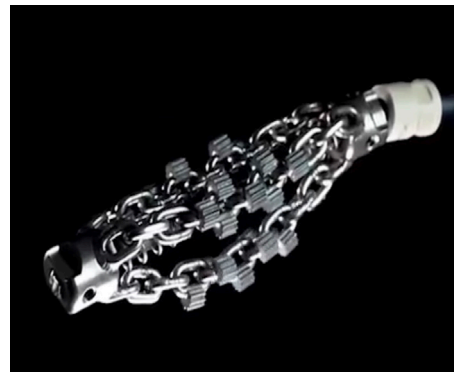
Self-adjusting depending on rpm. Great for diameter transitions or where access is limited, saving you time and money!

Available in both Premium and PVC models:

- DN50-DN70 and DN70-DN100 for 8mm Shaft
- DN70-DN100 and DN100-DN150 for 12mm Shaft



 Check out our video on Cleaning Chains at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)



# CLEANING CHAINS

## Premium Chains

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.

## Tiger Chains

Fits in between the Standard & Premium versions. Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.

## Standard Chains

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

## PVC Chains

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper & clay.





## Cleaning Chains



### Original Standard Chain DN32 - 6mm Shaft

**1380065032**

Standard (6mm Shaft)

An efficient cleaning chain without carbides.



### Original Standard Chain DN50 (2 links) - 8mm Shaft

**1380084050**

Standard (8mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.



### Original Standard Chain DN50 (3 links) - 8mm Shaft

**1380184050**

Standard (8mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.



### Original Standard Chain DN70 - 8mm Shaft

**1380084070**

Standard (8mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.



### Original Standard Chain DN100 - 8mm Shaft

**1380084100**

Standard (8mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.



### Original Standard Chain DN125-150 - 8mm Shaft

**1380084150**

Standard (8mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.



### Original Standard Chain DN70 - 10mm Shaft

**1380105070**

Standard (10mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

## Cleaning Chains

### Original Standard Chain DN100 - 10mm Shaft



#### **1380105100**

Standard (10mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN125-150 - 10mm Shaft



#### **1380105150**

Standard (10mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN70 - 12mm Shaft



#### **1380125070**

Standard (12mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN100 - 12mm Shaft



#### **1380125100**

Standard (12mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN125-150 - 12mm Shaft



#### **1380125150**

Standard (12mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN200 - 12mm Shaft



#### **1380125200**

Standard (12mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

### Original Standard Chain DN225-250 - 12mm Shaft



#### **1380125225**

Standard (12mm Shaft)

Star carbide (3-ridge). An efficient general cleaning chain. Suitable for clay, concrete and cast iron pipes.

## Cleaning Chains



### Original Premium Chain DN50 (2 links) - 8mm Shaft

#### **1380084050U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN50 (3 links) - 8mm Shaft

#### **1380184050U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN70 - 8mm Shaft

#### **1380084070U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN100 - 8mm Shaft

#### **1380084100U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN125-150 - 8mm Shaft

#### **1380084150U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN70 - 12mm Shaft

#### **1380125070U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN100 - 12mm Shaft

#### **1380125100U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.

## Cleaning Chains



### Original Premium Chain DN125-150 - 12mm Shaft

#### **1380125150U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN200 - 12mm Shaft

#### **1380125200U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN225-250 - 12mm Shaft

#### **1380125225U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN100 - 18mm Shaft

#### **1380185100U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN125-150 - 18mm Shaft

#### **1380185150U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN200 - 18mm Shaft

#### **1380185200U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium Chain DN225-250 - 18mm Shaft

#### **1380185250U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



## Cleaning Chains



### Original Premium Chain DN300 - 18mm Shaft

#### **1380185300U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Cleaning Chain DN32 - 8mm Shaft

#### **1381084032**

PVC (8mm Shaft)

No carbides. For Mini Cleaner.



### Cleaning Chain DN40 - 8mm Shaft

#### **1381084040**

PVC (8mm Shaft)

No carbides. For Mini Cleaner.



### Original PVC Chain DN50 - 8mm Shaft

#### **1380084050P**

PVC (8mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN70 - 8mm Shaft

#### **1380084070P**

PVC (8mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN100 - 8mm Shaft

#### **1380084100P**

PVC (8mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN125-150 - 8mm Shaft

#### **1380084150P**

PVC (8mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



## Cleaning Chains



### Original PVC Chain DN70 - 10mm Shaft

#### **1380105070P**

PVC (10mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN100 - 10mm Shaft

#### **1380105100P**

PVC (10mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN125-150 - 10mm Shaft

#### **1380105150P**

PVC (10mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN70 - 12mm Shaft

#### **1380125070P**

PVC (12mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN100 - 12mm Shaft

#### **1380125100P**

PVC (12mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN125-150 - 12mm Shaft

#### **1380125150P**

PVC (12mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Original PVC Chain DN200 - 12mm Shaft

#### **1380125200P**

PVC (12mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.

## Cleaning Chains



### Cyclone Standard Chain DN70 - 8mm Shaft

**1381084070**

Standard (8mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN100 - 8mm Shaft

**1381084100**

Standard (8mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN125 - 8mm Shaft

**1381084125**

Standard (8mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN150 - 8mm Shaft

**1381084150**

Standard (8mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN70 - 10mm Shaft

**1381105070**

Standard (10mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN100 - 10mm Shaft

**1381105100**

Standard (10mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN125 - 10mm Shaft

**1381105125**

Standard (10mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.

## Cleaning Chains



### Cyclone Standard Chain DN150 - 10mm Shaft

#### **1381105150**

Standard (10mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN70 - 12mm Shaft

#### **1381125070**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN100 - 12mm Shaft

#### **1381125100**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN125 - 12mm Shaft

#### **1381125125**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN150 - 12mm Shaft

#### **1381125150**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.

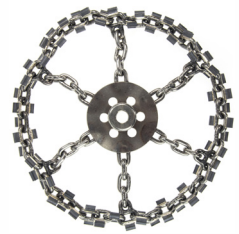


### Cyclone Standard Chain DN200 - 12mm Shaft

#### **1381125200**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Standard Chain DN225 - 12mm Shaft

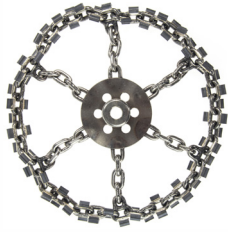
#### **1381125225**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



## Cleaning Chains



### Cyclone Standard Chain DN250 - 12mm Shaft

#### **1381125250**

Standard (12mm Shaft)

Star carbide (3-ridge). No need to adjust, the centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes. Suitable for clay, concrete and cast iron pipes.



### Cyclone Premium Chain DN70 - 8mm Shaft

#### **1381084070U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN100 - 8mm Shaft

#### **1381084100U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN125 - 8mm Shaft

#### **1381084125U**

Premium (8mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN70 - 12mm Shaft

#### **1381125070U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN100 - 12mm Shaft

#### **1381125100U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



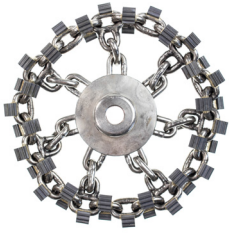
### Cyclone Premium Chain DN125 - 12mm Shaft

#### **1381125125U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.

## Cleaning Chains



### Cyclone Premium Chain DN150 - 12mm Shaft

#### **1381125150U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN200 - 12mm Shaft

#### **1381125200U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN225 - 12mm Shaft

#### **1381125225U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium Chain DN250 - 12mm Shaft

#### **1381125250U**

Premium (12mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone PVC Chain DN70 - 8mm Shaft

#### **1381084070P**

PVC (8mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN100 - 8mm Shaft

#### **1381084100P**

PVC (8mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN125 - 8mm Shaft

#### **1381084125P**

PVC (8mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.

## Cleaning Chains



### Cyclone PVC Chain DN70 - 10mm Shaft

**1381105070P**

PVC (10mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN100 - 10mm Shaft

**1381105100P**

PVC (10mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN125 - 10mm Shaft

**1381105125P**

PVC (10mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN150 - 10mm Shaft

**1381105150P**

PVC (10mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN70 - 12mm Shaft

**1381125070P**

PVC (12mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN100 - 12mm Shaft

**1381125100P**

PVC (12mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN125 - 12mm Shaft

**1381125125P**

PVC (12mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



## Cleaning Chains



### Cyclone PVC Chain DN150 - 12mm Shaft

#### **1381125150P**

PVC (12mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN200 - 12mm Shaft

#### **1381125200P**

PVC (12mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### 3D Premium Chain DN50-70 w/Leader - 8mm Shaft

#### **1382005070**

Premium (8mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.



### 3D Premium Chain DN70-100 w/Leader - 8mm Shaft

#### **1382070100**

Premium (8mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.



### 3D Premium Chain DN70-100 w/Leader - 12mm Shaft

#### **1383070100**

Premium (12mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.



### 3D Premium Chain DN100-150 w/Leader - 12mm Shaft

#### **1383100150**

Premium (12mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.



### Spare Chain - 3D Premium DN50-70 - 8mm Shaft

#### **1380084050D**

Spare part 3D Chain

U carbide (7-ridge). Chain only.

## Cleaning Chains

### Spare Chain - 3D Premium DN70-100 - 8mm Shaft



**1380084070D**

Spare part 3D Chain  
U carbide (7-ridge). Chain only.

### Spare Chain - 3D Premium DN70-100 - 12mm Shaft



**1380125070D**

Spare part 3D Chain  
U carbide (7-ridge). Chain only.

### Spare Chain - 3D Premium DN100-150 - 12mm Shaft



**1380125100D**

Spare part 3D Chain  
U carbide (7-ridge). Chain only.

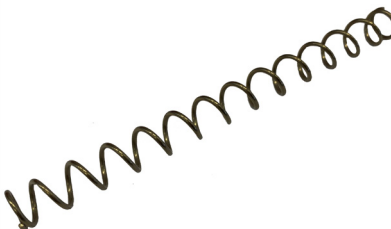
### Spare Spring - 3D Premium DN50-70 - 8mm Shaft



**9380000054**

Spare part 3D Chain  
Spare spring for 3D Chain.

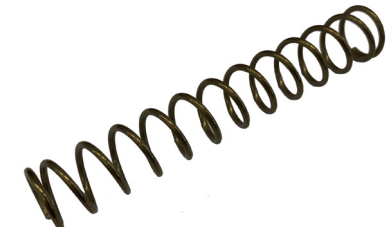
### Spare Spring - 3D Premium DN70-100 - 8mm Shaft



**9380000055**

Spare part 3D Chain  
Spare spring for 3D Chain.

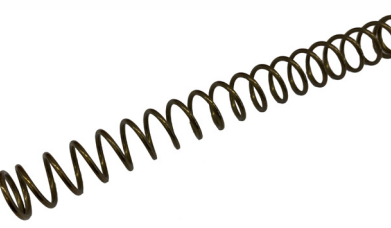
### Spare Spring - 3D Premium DN70-100 - 12mm Shaft



**9380000056**

Spare part 3D Chain  
Spare spring for 3D Chain.

### Spare Spring - 3D Premium DN100-150 - 12mm Shaft



**9380000057**

Spare part 3D Chain  
Spare spring for 3D Chain.



## Cleaning Chains

### Spare Leader - 3D Premium DN50-70 - 8mm Shaft



**1382005071**

Spare part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D Premium DN70-100 - 8mm Shaft



**1382070101**

Spare part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D Premium DN70-100 - 12mm Shaft



**1383070101**

Spare part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D Premium DN100-150 - 12mm Shaft



**1383100151**

Spare part 3D Chain

Includes the shaft, casing and sleeve bearings.

### 3D PVC Chain DN50-70 w/Leader - 8mm Shaft



**1382005070P**

PVC (8mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. No carbides. For plastic or fragile pipes. Includes special Leader.

### 3D PVC Chain DN70-100 w/Leader - 8mm Shaft



**1382070100P**

PVC (8mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. No carbides. For plastic or fragile pipes. Includes special Leader.

### 3D PVC Chain DN70-100 w/Leader - 12mm Shaft



**1383070100P**

PVC (12mm Shaft)

Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. No carbides. For plastic or fragile pipes. Includes special Leader.

## Cleaning Chains



### Spare Chain - 3D PVC Chain DN50-70 - 8mm Shaft

**1380084050DP**

Spare Part 3D Chain  
No carbides. Chain only.



### Spare Chain - 3D PVC Chain DN70-100 - 8mm Shaft

**1380084070DP**

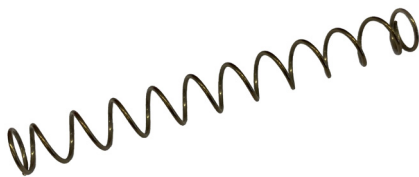
Spare Part 3D Chain  
No carbides. Chain only.



### Spare Chain - 3D PVC Chain DN70-100 - 12mm Shaft

**1380125070DP**

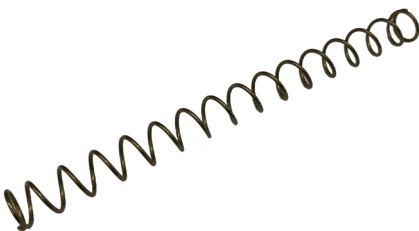
Spare Part 3D Chain  
No carbides. Chain only.



### Spare Spring - 3D PVC DN50-70 - 8mm Shaft

**9380000058**

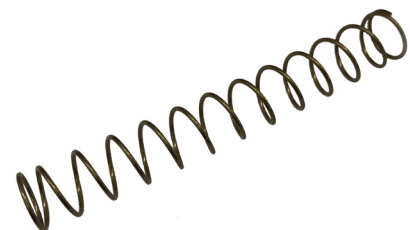
Spare Part 3D Chain  
Spare spring for 3D Chain.



### Spare Spring - 3D PVC DN70-100 - 8mm Shaft

**9380000059**

Spare Part 3D Chain  
Spare spring for 3D Chain.



### Spare Spring - 3D PVC DN70-100 - 12mm Shaft

**9380000070**

Spare Part 3D Chain  
Spare spring for 3D Chain.



### Spare Leader - 3D PVC DN50-70 - 8mm Shaft

**1382005071P**

Spare Part 3D Chain  
Includes the shaft, casing and sleeve bearings.

## Cleaning Chains

### Spare Leader - 3D PVC DN70-100 - 8mm Shaft



**1382070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D PVC DN70-100 - 12mm Shaft



**1383070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.



### Tiger Original Chain DN50 - 8mm Shaft

**1380084050V**

Tiger (8mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN75 - 8mm Shaft

**1380084070V**

Tiger (8mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN100 - 8mm Shaft

**1380084100V**

Tiger (8mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN150 - 8mm Shaft

**1380084150V**

Tiger (8mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN75 - 10mm Shaft

**1380105070V**

Tiger (10mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.

## Cleaning Chains



### Tiger Original Chain DN100 - 10mm Shaft

#### **1380105100V**

Tiger (10mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN150 - 10mm Shaft

#### **1380105150V**

Tiger (10mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN200 - 10mm Shaft

#### **1380105200V**

Tiger (10mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN75 - 12mm Shaft

#### **1380125070V**

Tiger (12mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN100 - 12mm Shaft

#### **1380125100V**

Tiger (12mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN150 - 12mm Shaft

#### **1380125150V**

Tiger (12mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Original Chain DN200 - 12mm Shaft

#### **1380125200V**

Tiger (12mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



## Cleaning Chains



### Tiger Original Chain DN225-250 - 12mm Shaft

#### **1380125250V**

Tiger (12mm Shaft)

Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.



### Tiger Drill Chain DN75 - 8mm Shaft

#### **1380084070VP**

Tiger (8mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN100 - 8mm Shaft

#### **1380084100VP**

Tiger (8mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN75 - 10mm Shaft

#### **1380105070VP**

Tiger (10mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN100 - 10mm Shaft

#### **1380105100VP**

Tiger (10mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN150 - 10mm Shaft

#### **1380105150VP**

Tiger (10mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN200 - 10mm Shaft

#### **1380105200VP**

Tiger (10mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.

## Cleaning Chains



### Tiger Drill Chain DN75 - 12mm Shaft

#### **1380125070VP**

Tiger (12mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN100 - 12mm Shaft

#### **1380125100VP**

Tiger (12mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN150 - 12mm Shaft

#### **1380125150VP**

Tiger (12mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN200 - 12mm Shaft

#### **1380125200VP**

Tiger (12mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Drill Chain DN225-250 - 12mm Shaft

#### **1380125250VP**

Tiger (12mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to cut through roots and lightly collapsed liners.



### Tiger Cyclone Chain DN75 - 8mm Shaft

#### **1381084075V**

Tiger (8mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN100 - 8mm Shaft

#### **1381084100V**

Tiger (8mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.

## Cleaning Chains



### Tiger Cyclone Chain DN150 - 8mm Shaft

#### **1381084150V**

Tiger (8mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN75 - 10mm Shaft

#### **1381105075V**

Tiger (10mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.

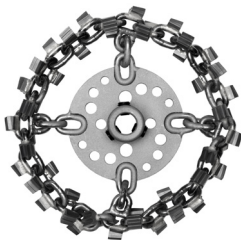


### Tiger Cyclone Chain DN100 - 10mm Shaft

#### **1381105100V**

Tiger (10mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.

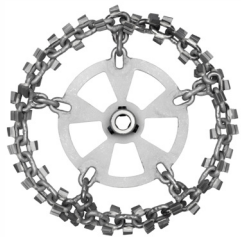


### Tiger Cyclone Chain DN150 - 10mm Shaft

#### **1381105150V**

Tiger (10mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN200 - 10mm Shaft

#### **1381105200V**

Tiger (10mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN75 - 12mm Shaft

#### **1381125075V**

Tiger (12mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN100 - 12mm Shaft

#### **1381125100V**

Tiger (12mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



## Cleaning Chains

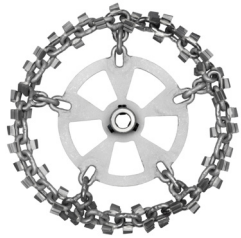


### Tiger Cyclone Chain DN150 - 12mm Shaft

#### **1381125150V**

Tiger (12mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.

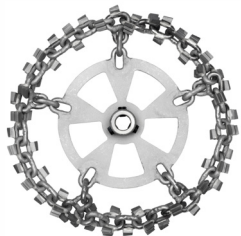


### Tiger Cyclone Chain DN200 - 12mm Shaft

#### **1381125200V**

Tiger (12mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Cyclone Chain DN250 - 12mm Shaft

#### **1381125250V**

Tiger (12mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.



### Tiger Drill Chain PVC DN75- 8mm Shaft

#### **1382084070P**

Tiger PVC (8mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!



### Tiger Drill Chain PVC DN100 - 8mm Shaft

#### **1382084100P**

Tiger PVC (8mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!



### Tiger Drill Chain PVC DN75 - 10mm Shaft

#### **1382105070P**

Tiger PVC (10mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!



### Tiger Drill Chain PVC DN100 - 10mm Shaft

#### **1382105100P**

Tiger PVC (10mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!



## Cleaning Chains

NEW



### Tiger Drill Chain PVC DN150 - 10mm Shaft

#### **1382105150P**

Tiger PVC (10mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!

NEW



### Tiger Drill Chain PVC DN75 - 12mm Shaft

#### **1382125070P**

Tiger PVC (12mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!

NEW



### Tiger Drill Chain PVC DN100 - 12mm Shaft

#### **1382125100P**

Tiger PVC (12mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!

NEW



### Tiger Drill Chain PVC DN150 - 12mm Shaft

#### **1382125150P**

Tiger PVC (12mm Shaft)

Tiger Original PVC Chain with an integrated front drill head featuring the long lasting carbides to efficiently and safely cut through roots, scale and blockages in PVC and fragile pipes. An essential "first fix" tool!

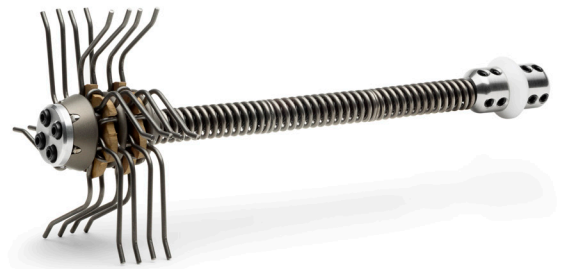


Check out our video on Spiders at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)

## SMART SPIDER

Efficient tool for removing fats, oil & grease. Also the best option for damaged or fragile pipes where there are holes or the pipe has rotted away at the base, allowing you to pass through to descale and prep for lining.

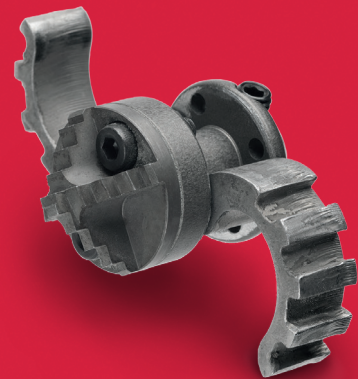
Designed for **DN100** and **DN150** pipes for the Super Midi Miller and Maxi Miller and **DN150, DN200 & DN225** pipes for the Maxi Power+.



# SPECIAL CLEANING TOOLS

## Mini Smart Sweeper

Compact, flexible and self-adjusting for tackling hard scale even through DN50 p-traps. Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite, & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. There are **DN50 & DN70** models for the Mini Cleaner & Mini Miller and a **DN100** version for the Super Midi & Maxi Millers.



## Special Cleaning Tools



### Smart Spider DN100 - 12mm Shaft

**1390125102**

Cleaning (12mm Shaft)

Efficient tool for removing fats, oil & grease. Also our best option for damaged or fragile pipes where there are holes or the pipe has rotted away at the base, allowing you to pass through to descale and prep for lining.



### Smart Spider DN150 - 12mm Shaft

**1390125152**

Cleaning (12mm Shaft)

Efficient tool for removing fats, oil & grease. Also our best option for damaged or fragile pipes where there are holes or the pipe has rotted away at the base, allowing you to pass through to descale and prep for lining.



### Smart Spider DN100 Legs

**1390100001**

Spider Spare Part

Spare legs (12pcs) for DN100 Smart Spider, can be also used as new legs for DN150 Spider to transfer it to DN100.



### Smart Spider DN150 Legs

**1390100002**

Spider Spare Part

Spare legs (12pcs) for DN150 Smart Spider, can be also used as new legs for DN100 Spider to transfer it to DN150.



### Smart Spider Premium Rubber Flex

**1390100005**

Spider Spare Part

Spare Rubber for DN100 & DN150 Smart Spider. Includes 10pcs.



### Smart Spider Axle

**1390100004**

Spider Spare Part

Spare Axle for DN100 & DN150 Smart Spider. Includes 6pcs.



### Mini Smart Sweeper DN40-50 - 8mm Shaft

**1360080050**

Cleaning (8mm Shaft)

Revolutionary solution for DN40-50 pipes. Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. Includes 1x Front Drill Head 25mm & Hub Disc DN50.



## Special Cleaning Tools



### Mini Smart Sweeper DN70-75 - 8mm Shaft

**1360080075**

Cleaning (8mm Shaft)

Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. Includes 1x Front Drill Head 40mm & Hub Disc DN70-75.



### Mini Smart Sweeper DN100 - 12mm Shaft

**1360120100**

Cleaning (12mm Shaft)

Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. Comes with Spring Leader.

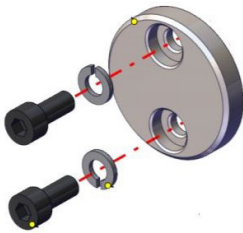


### Smart Sweeper Head - DN100 - 12mm Shaft

**1360120101**

Sweeper Spare Part

Spare Head for Sweeper DN100.

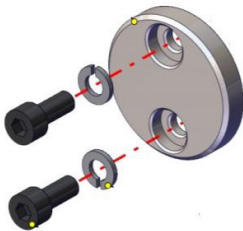


### Hub Disc for Smart Sweeper DN50

**1000200025**

Sweeper Spare Part

Hub Disc for Smart Sweeper DN50 with Screws.



### Hub Disc for Smart Sweeper DN70-75

**1360080002**

Sweeper Spare Part

Hub Disc for Smart Sweeper DN70-75 with Screws.



### Hub Disc for Smart Sweeper DN100 & Smart Spider DN100 & DN150

**1390125001**

Sweeper Spare Part

Hub Disc for Smart Sweeper DN100 & Smart Spider DN100 & 150 with Screws.



### Mini Sweeper Leg DN50

**900000935**

Sweeper Spare Part

Price per Leg (2 needed).

## Special Cleaning Tools



### Mini Sweeper Leg DN70

**900000942**

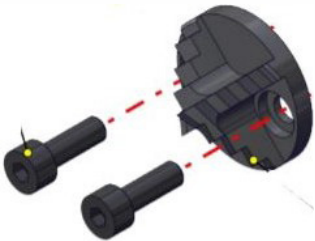
Sweeper Spare Part  
Price per Leg (2 needed).



### Mini Sweeper Leg DN100

**900000938**

Sweeper Spare Part  
Price per Leg (6 needed).



### Front Drill Head 25mm for Smart Sweeper DN50

**1300212025**

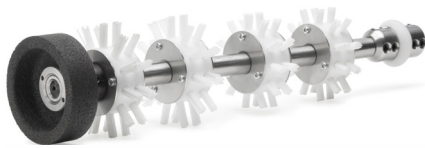
Sweeper Spare Part  
Spare drill head for Smart Sweeper DN50.



### Front Drill Head 40mm for Smart Sweeper DN70

**1300214042**

Sweeper & Spider Spare Part  
Flat 40mm No Thread for Smart Sweeper DN70-75.  
Can also be used with a Mini Smart Sweeper DN100 and Smart Spider DN100 & DN150.



### Twister Metal Grinder DN100 - 12mm Shaft

**1233075101N**

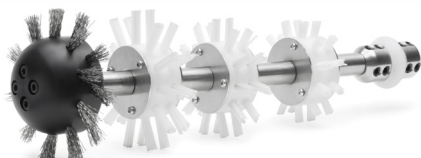
Metal Grinder (12mm Shaft)  
Quickly and efficiently grinds away most metal including rebar, steel rods, nails, screws, and lead joints in DN100 pipes. Safe option even inside PVC and clay pipe.



### Stone Replacement Head DN100

**900000776**

Metal Grinder Spare Part  
Replacement Carborundum stone cutting head.



### Twister Cleaner DN100 - 12mm Shaft

**1230085100CL**

Cleaning (12mm Shaft)  
Designed for light cleaning and working in plastic & deformed and blistered pitch fibre pipes.

## Special Cleaning Tools



### Wire Cleaning Brush DN50 - 8mm Shaft

#### **2125000050CL**

Cleaning (8mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN75 - 8mm Shaft

#### **2125000075CL**

Cleaning (8mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.

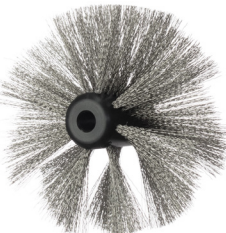


### Wire Cleaning Brush DN100 - 8mm Shaft

#### **2125000100CL**

Cleaning (8mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN150 - 8mm Shaft

#### **2125000150CL**

Cleaning (8mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN100 - 12mm Shaft

#### **2125012100CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.

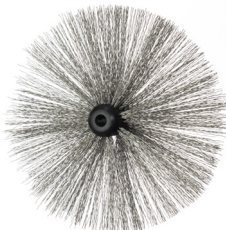


### Wire Cleaning Brush DN125 - 12mm Shaft

#### **2125012125CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN150 - 12mm Shaft

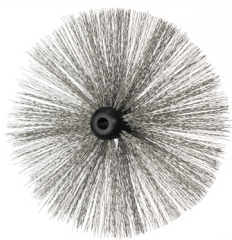
#### **2125012150CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



## Special Cleaning Tools



### Wire Cleaning Brush DN200 - 12mm Shaft

#### **2125012200CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN225 - 12mm Shaft

#### **2125012225CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN250 - 12mm Shaft

#### **2125012250CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.



### Wire Cleaning Brush DN300 - 12mm Shaft

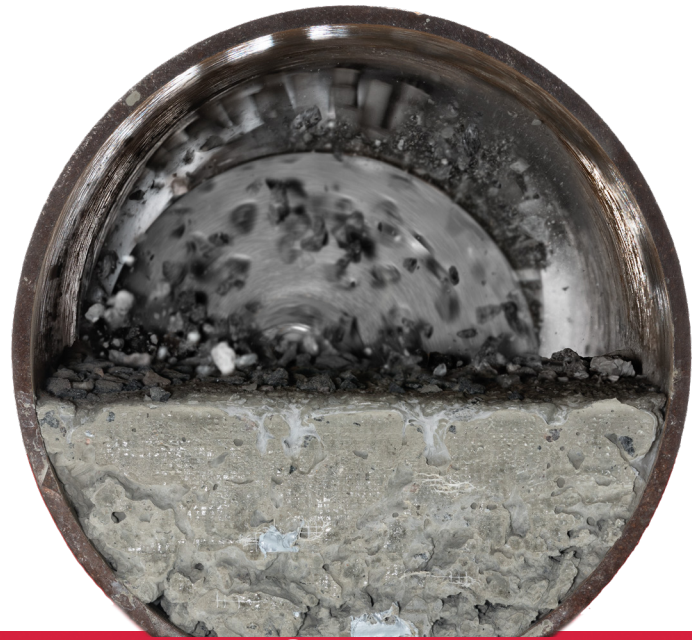
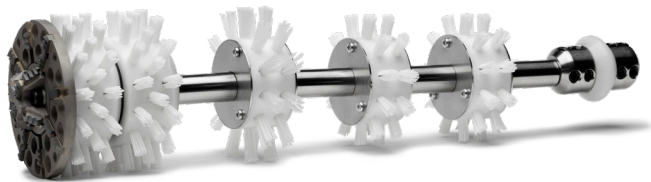
#### **2125012300CL**

Cleaning (12mm Shaft)

Metal cleaning brush for removing fine dust or light mineral deposits in PVC and fragile pipes. Also used for brush coating pipe preparation.

## NEW TIGER TWISTER LINER & CONCRETE REMOVER

Two tough jobs, one tougher tool. Remove failed CIPP lining twice as fast as with a regular Twister Liner Remover or remove concrete from the pipe. A must-have for every tool box.



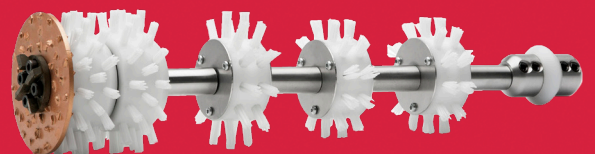
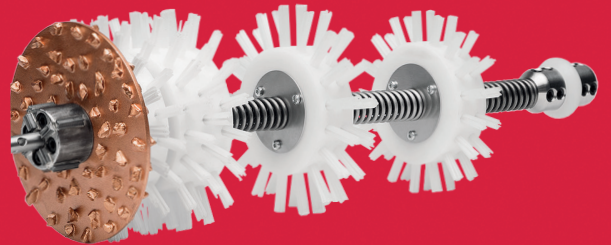
# TWISTER CONCRETE & LINER REMOVERS

### Twister Concrete Remover

The Twister Concrete Remover has dual front brushes for added stability, a heavy duty front panel with large carbides, and a specialised front drill head with star carbides, all of which combine for efficient concrete, grout, slurry & rock removal.

### Twister Liner Remover

The Twister Liner Remover's dual front brushes provide added stability. The heavy duty front panel with large carbides and drill head are excellent for removing failed liners.



## Twister Concrete & Liner Removers



### Twister Concrete Remover DN100 - 12mm Shaft

#### **1234085100**

Concrete Remover (12mm Shaft)

3mm Front Metal Panel: 85mm (1210510085). For efficient concrete, grout, slurry & rock removal. Dual front brushes provide added stability while the heavy duty Front Metal Panel with large carbides and specialised Front Drill Head deliver great results.

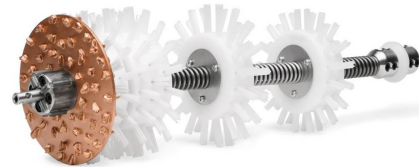


### Twister Concrete Remover DN150 - 12mm Shaft

#### **1234125150**

Concrete Remover (12mm Shaft)

3mm Front Metal Panel: 125mm (1210510125). For efficient concrete, grout, slurry & rock removal. Dual front brushes provide added stability while the heavy duty Front Metal Panel with large carbides and specialised Front Drill Head deliver great results.

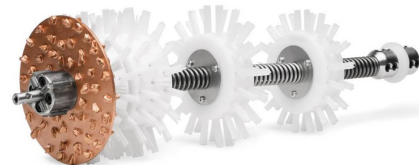


### Twister Concrete Remover DN100 + Steering Axle - 12mm Shaft

#### **1234085100SA**

Concrete Remover (12mm Shaft)

3mm Front Metal Panel: 85mm (1210510085). For efficient concrete, grout, slurry & rock removal where pipe is less than 50% full of material and you have access points at both ends. Feed a Steering Wire through the pipe and attach it to Steering Axle (1100100055) on the Twister.

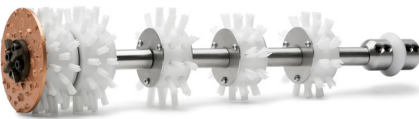


### Twister Concrete Remover DN150 + Steering Axle - 12mm Shaft

#### **1234125150SA**

Concrete Remover (12mm Shaft)

3mm Front Metal Panel: 125mm (1210510125). For efficient concrete, grout, slurry & rock removal where pipe is less than 50% full of material and you have access points at both ends. Feed a Steering Wire through the pipe and attach it to Steering Axle (1100100055) on the Twister.

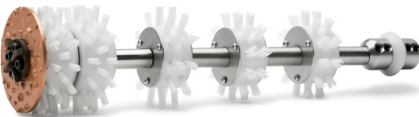


### Twister Liner Remover DN100 for Lined Pipe

#### **1233075100**

Liner Remover (12mm Shaft)

Features two front brushes for stability with a custom built Flat Drill Head. The 3mm Front Metal Panel 75mm (1210410075) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.

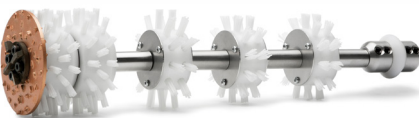


### Twister Liner Remover DN100 for Unlined Pipe

#### **1233085100**

Liner Remover (12mm Shaft)

Features two front brushes for stability with a custom built Flat Drill Head. The 3mm Front Metal Panel 85mm (1210410085) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.



### Twister Liner Remover DN150 for Lined Pipe

#### **1231115150Y**

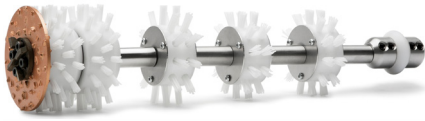
Liner Remover (12mm Shaft)

Features two front brushes for stability with a custom built Flat Drill Head. The 3mm Front Metal Panel 115mm (1210410115) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.



## Twister Concrete & Liner Removers

### Twister Liner Remover DN150 for Unlined Pipe

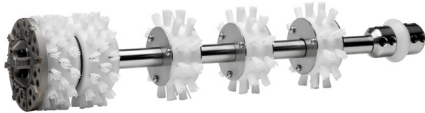


#### **1230125150Y**

Liner Remover (12mm Shaft)

Features two front brushes for stability with a custom built Flat Drill Head. The 3mm Front Metal Panel 125mm (1210410125) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.

### Tiger Twister Liner & Concrete Remover DN100 Lined

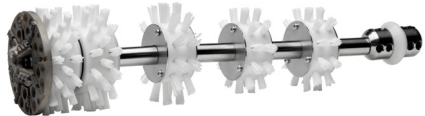


#### **1263075100**

Liner & Concrete Remover (12mm Shaft)

Two tough jobs, one tougher tool. Remove failed CIPP lining twice as fast as with a regular Twister Liner Remover or remove concrete from the pipe. A must-have for every tool box. Front Metal Panel: 75mm/Thickness 6mm (1260000075).

### Tiger Twister Liner & Concrete Remover DN100 Unlined

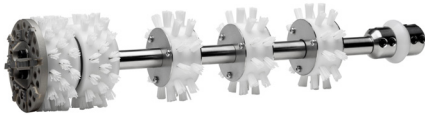


#### **1263085100**

Liner & Concrete Remover (12mm Shaft)

Two tough jobs, one tougher tool. Remove failed CIPP lining twice as fast as with a regular Twister Liner Remover or remove concrete from the pipe. A must-have for every tool box. Front Metal Panel: 85mm/Thickness 6mm (1260000085).

### Tiger Twister Liner & Concrete Remover DN150 Lined

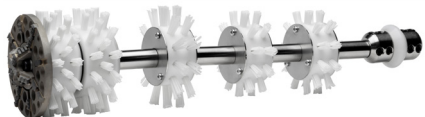


#### **1263115150**

Liner & Concrete Remover (12mm Shaft)

Two tough jobs, one tougher tool. Remove failed CIPP lining twice as fast as with a regular Twister Liner Remover or remove concrete from the pipe. A must-have for every tool box. Front Metal Panel: 115mm/Thickness 6mm (1260000115).

### Tiger Twister Liner & Concrete Remover DN150 Unlined



#### **1263125150**

Liner & Concrete Remover (12mm Shaft)

Two tough jobs, one tougher tool. Remove failed CIPP lining twice as fast as with a regular Twister Liner Remover or remove concrete from the pipe. A must-have for every tool box. Front Metal Panel: 125mm/Thickness 6mm (1260000125).

## HAVE IT YOUR WAY

Picote Brush Coating™ gives you options when rehabilitating pipes from DN32-DN300. Prolong the lifespan of an existing pipe. Clean the pipe well and apply single or dual coats of Picote epoxy resin. The new slick inner surface increases flow inside the pipe, minimising the risk of blockages.

Alternatively, apply several coats of the resin forming a seamless new semi-structural pipe, providing a solution that should last 30-50 years.

**Benefits:** Extend the service life of a pipe, stop corrosion, create a new pipe, "patch" on top of a compatible CIPP lining and fortify connections. Improve quality control with the dual colour cartridge system. Apply with the Smart Mixer 2.0 for a simple and mess-free solution.

Apartments & High-Rises  
Nuclear & Industrial  
Hydro-Electric  
Residential & Municipal  
Pools, Fountains & Tanks

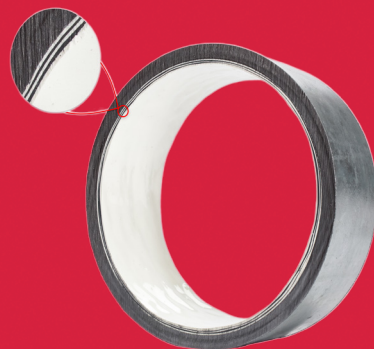
 Check out our video on Brush Coating at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)

# PICOTE BRUSH COATING™



## DUAL COLOUR EPOXY

Alternate between the grey and white resins so that you can easily visually verify each layer. Apply to small areas or all drains in multi-storey buildings.





### Mini Coating Pump

**2220100001 (230v) 2220100005 (110v)**

Mini Pump

Pipe Diameter: DN32-200. Max Range: 22m. Weight: 16kg.

Safely secures to Miller frame. Combine with the Mini Miller or the Mini Cleaner for a portable compact system. Clean and coat with one simple system. Includes Resin Cup Package, 3x Hose Connectors, Hose Clamps and 2x Brush Stoppers.



### Resin Supply Hose 25m

**2220100004**

Mini Pump

25m/package.

For inside pump housing. Precise measurements required. Consult operating manual.



### Pre cut Resin Supply Hose

**2220100011**

Mini Pump

Pre cut to 24cm, 50pcs per package.

For inside pump housing.



### Delivery Hose 25m

**2220100003**

Mini Pump

25m/package.

For delivering Picote Dual Colour Epoxy from Resin Cup to the Mini Pump and from the pump to the pipe.



### Delivery Hose 200m

**2220100009**

Mini Pump

200m/package.

For delivering Picote Dual Colour Epoxy from Resin Cup to the Mini Pump and from the pump to the pipe.



### Hose Connector with Hose Clamps

**2220100007**

Mini Pump

Includes Hose Connector & Hose Clamps (10mm & 13mm).



### Hose Clamp 10mm

**9500000382**

Mini Pump

For Mini Coating Pump Delivery Hose.

Includes one Hose Clamp.





### Hose Clamp 13mm

**9500000381**

Mini Pump

For Mini Coating Pump Delivery Hose.  
Includes one Hose Clamp.



### Brush Stopper 8mm

**900000338**

Mini Pump

Provides extra security to keep the Coating Brush on the shaft.  
Includes one Brush Stopper.



### Maxi Coating Pump

**2220200000 (230v) 2220200007 (110v)**

Maxi Pump

Pipe Diameter: DN70-300. Max Range: 39m. Weight: 23kg.

Safely secures to Miller frame. Combine with the Super Midi or the Maxi Miller. Clean and coat with one simple system. When used with Super Midi, add the Maxi Pump Bracket (9550004000)

Includes: Maxi Pumping Hose Package, 10x Resin Cups and 2 Hose Clamps.



### Maxi Coating Pump Delivery Hose

**2220200005**

Maxi Pump

200m/package.

For delivering Picote Dual Colour Epoxy from Resin Cup to the Maxi Pump and from the pump to the pipe.

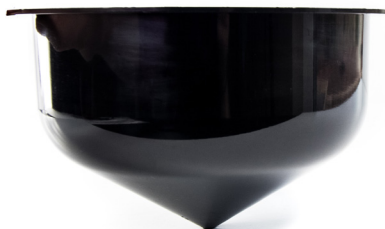


### Maxi Pumping Hose Package

**2220200003**

Maxi Pump

Includes 10pcs in a package with 2x Hose Connector per piece.  
For inside pump housing.



### Coating Resin Cup Package

**2220200004**

Maxi Pump & Mini Pump

10pcs in a package.

Same resin cup size for Mini & Maxi Pumps.



### Hose Clamp 16mm

**900000902**

Maxi Pump

For Maxi Coating Pump Delivery Hose.  
Includes one Hose Clamp.

## Picote Brush Coating™



### Brush Stopper 12mm

**900000756**

Maxi Pump

Provides extra security to keep the Coating Brush on the shaft.  
Includes one Brush Stopper.



### Maxi Pump Bracket for Super Midi

**9550004000**

Maxi Pump

Attaches Maxi Coating Pump to Super Midi Miller frame.



### Picote Heater

**1350000024 (230v) 1350000024UK (110v)**

Maxi Pump & Mini Pump

Decrease time between coats for Picote Brush Coating™ system.  
Includes 5m Heater Hose. Air outlet temperature is limited to +55°C.

Automatic thermal cut-out in both motor and heating element.

Max. air velocity up to 100m/s and max. air volume 2.20m³/min. Minimal noise: 78dBA.



### Heater Hose 5m

**9990001099**

Picote Heater Spare Part

Includes 4x Heater Hose Clamps.



### Picote Dual Colour Epoxy Kit 5.6kg

**2110001005**

Maxi Pump & Mini Pump

6 Cartridge Kit (3x white & 3x grey) with 8 Tips & 3 Nuts.

100% Solids Epoxy. Easy lock & load cartridges

ASTM & NSF 61.5 Certified. WRc Approved method.



### Picote Smart Mixer 2.0

**2130001001EU (230v) 2130001001UK (110v)**

Maxi Pump & Mini Pump

Battery powered (Li-Ion battery) cartridge mixer in carrying case with spare battery, charger & additional 600ml piston.



### Smart Mixer NiMH Spare Battery

**2130001016**

Smart Mixer Spare Part

For old Smart Mixers with a NiMH battery, new Smart Mixers are equipped with a Li-Ion battery.

## Picote Brush Coating™



### Smart Mixer NiMH Battery Charger

**2130001017**

Smart Mixer Spare Part

For old Smart Mixers with a NiMH battery, new Smart Mixers are equipped with a Li-Ion battery.



### Cartridge Tip

**2110000001**

Maxi Pump & Mini Pump

Package of 10 Static Mixing Tips.



### Cartridge Nut

**2110000002**

Maxi Pump & Mini Pump

Package of 10 Nuts.



### Delivery Hose Lube, 0.95L

**2110000003**

Maxi Pump & Mini Pump

To pre-lubricate inner surface of Coating Pump Delivery Hose to make pumping faster.  
0.95L Bottle.



### Coating/Cleaning Brush 37mm for DN32

**2120000037**

Mini Pump (6mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

Clean with acetone and reuse.



### Coating/Cleaning Brush 50mm for DN32

**2120000050**

Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

Clean with acetone and reuse.



### Coating/Cleaning Brush 75mm for DN50

**2120000075**

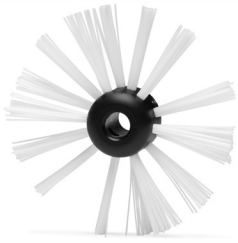
Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

Clean with acetone and reuse.



## Picote Brush Coating™



### Coating/Cleaning Brush 100mm for DN75

#### **2120000100**

Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

Clean with acetone and reuse.



### Coating/Cleaning Brush 125mm for DN100

#### **2120000125**

Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 175mm for DN150

#### **2120000175**

Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



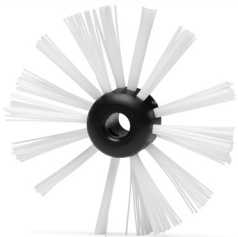
### Coating/Cleaning Brush 220mm for DN200

#### **2120000220**

Mini Pump (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 100mm for DN70

#### **2120012100**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 125mm for DN100

#### **2120012125**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 150mm for DN100

#### **2120012150**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 175mm for DN125

#### **2120012175**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 200mm for DN150

#### **2120012200**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



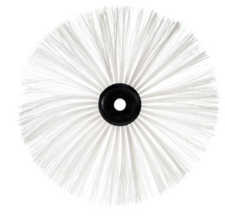
### Coating/Cleaning Brush 225mm for DN175

#### **2120012225**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 250mm for DN200

#### **2120012250**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 275mm for DN225

#### **2120012275**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 300mm for DN250

#### **2120012300**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.



### Coating/Cleaning Brush 350mm for DN300

#### **2120012350**

Maxi Pump (12mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes

Clean with acetone and reuse.

## WE KNOW CIPP LINING! WE HAVE THE TOOLS YOU NEED FOR A SUCCESSFUL PROJECT

Our Picote CIPP Services Team work tirelessly with our R&D Team to ensure that we have the best tools for CIPP lining. Tried and tested at our own worksites across Finland.

Want to learn more about our range of lining equipment and tools? Check out our FREE 101 CIPP Equipment Course at the Picote Institute. Contact us for details on Picote In-House Lining Certification Training.

## SAVE TIME AT THE JOB SITE

Want to move onto the next job?  
The Picote Smart Heat Millers cure your CIPP liner up to 30% faster than ambient curing alone.  
In cold weather it can also be used to prepare pipes in advance of CIPP lining by warming the pipe.



# CIPP LINING TOOLS

Lining Drums | Lining Cannons | Smart Roller | Smart Heat | Gluing Tools

## Lining Cannon

Shoot liners from as small as DN50 with the Picote Cannon. This compact and transparent installation tool is perfect for tight spaces where a drum won't fit for installing DN50-DN150 liners. The Fast Lock System means you can move on to the next liner, shooting multiple lines in quick succession.





## CIPP Lining Tools



### Picote Original Cannon

**2360000001**

Cannon

Light & transparent tool for short CIPP installations.

Includes 3 Inversion Heads (DN50, DN70, DN100) and 1 Fast Cap.



### Picote Mini Cannon

**2360000003**

Cannon

Light & transparent tool for short CIPP installations.

Includes 3 Inversion Heads (DN50, DN70, DN100) and 1 Fast Cap.



### Inversion Head DN50

**900000504**

Cannon Spare Part



### Inversion Head DN70

**900000505**

Cannon Spare Part



### Inversion Head DN100

**900000506**

Cannon Spare Part



### Cannon Fast Cap

**2360000004**

Cannon Spare Part

Cure multiple liners after CIPP inversion with the Cannon.



### Picote Cannon Cap with Hole

**900000759**

Cannon Spare Part

Push CCTV camera through the Cannon.

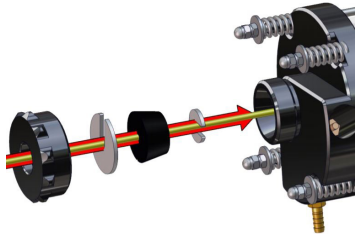
## CIPP Lining Tools



### Picote Cannon Cap

**900000828**

Cannon Spare Part



### Cannon Air Sealing Package

**900000923**

Cannon Spare Part

Allows a CCTV camera to be pushed through the Cannon into the pipe.  
View the inflated liner throughout the curing process!



### Cannon Fast Cap with Smart Heat Cable Inlet EU

**2360000005**

Cannon Spare Part

Enables the use of Smart Heat Cable with Picote Cannon in order to make the curing process faster. Package includes both Mini and Maxi Smart Heat Cable gaskets.  
Remove gasket to use as Standard Fast Cap without heating cable.



### Air Pressure Regulator EU

**2340000001**

Connection Collar System

Use with Connection Collar Installation Tool, Picote Cannons & Picote Drums.



### Mini Smart Heat Miller

**3410000000 (230v) 3410000000UK (110v)**

Smart Heat

Speed up ambient CIPP curing process up to 35%.

Environmentally friendly option with no risk of water damage. No need for hot water or steam. Range: 15m. Use with a Mini Smart Heat Curing Cap.



### Maxi Smart Heat Miller

**3430000000 (230v) 3430000000UK (110v)**

Smart Heat

Speed up ambient CIPP curing process up to 35%.

Environmentally friendly option with no risk of water damage. No need for hot water or steam. Range: 30m. Use with a Maxi Smart Heat Curing Cap.



### Smart Heat Cable 5m

**3430000005 (230v) 3430000005UK (110v)**

Smart Heat

Lightweight, portable and great value. Speed up ambient CIPP curing process up to 35%.  
Environmentally friendly option with no risk of water damage. No need for hot water or steam. Range: 5m. Use with a Maxi Smart Heat Curing Cap.

## CIPP Lining Tools



### Smart Heat Cable 10m

**3430000010 (230v) 3430000010UK (110v)**

Smart Heat

Lightweight, portable and great value. Speed up ambient CIPP curing process up to 35%. Environmentally friendly option with no risk of water damage. No need for hot water or steam. Range: 10m. Use with a Maxi Smart Heat Curing Cap.



### Mini Smart Heat Curing Cap DN50

**2340004050**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Mini Smart Heat Curing Cap DN70

**2340004070**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Mini Smart Heat Curing Cap DN100

**2340004100**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Mini Smart Heat Curing Cap DN150

**2340004150**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Maxi Smart Heat Curing Cap DN50

**2340005050**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Maxi Smart Heat Curing Cap DN70

**2340005070**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



## CIPP Lining Tools



### Maxi Smart Heat Curing Cap DN100

**2340005100**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Maxi Smart Heat Curing Cap DN150

**2340005150**

Smart Heat Spare Part

The Smart Heat Cable is pushed through Curing Cap to the liner.



### Curing Cap DN50

**2340000050**

Curing Tools

For replacing inversion equipment in order to be able to install multiple liners.



### Curing Cap DN70

**2340000070**

Curing Tools

For replacing inversion equipment in order to be able to install multiple liners.



### Curing Cap DN100

**2340000100**

Curing Tools

For replacing inversion equipment in order to be able to install multiple liners.



### Curing Cap DN150

**2340000150**

Curing Tools

For replacing inversion equipment in order to be able to install multiple liners.



### Curing Cap DN200

**2340000200**

Curing Tools

For replacing inversion equipment in order to be able to install multiple liners.

## CIPP Lining Tools



### Liner Compressor 2.0 DN32-100

**2350050101**

Curing Tools

Tightly clamps the end of the liner to prevent it collapsing from loss of pressure while you replace the inversion equipment with a Curing Cap.



### Liner Compressor 2.0 DN150-200

**2350050200**

Curing Tools

Tightly clamps the end of the liner to prevent it collapsing from loss of pressure while you replace the inversion equipment with a Curing Cap.



### Picote Liner Glider

**2380000000**

Impregnation unit

Manual roller for wetting out DN50-100 liners. Comes equipped with easy to change colour coded and size stamped gap setting rings for almost any liner thickness you may need.



### Picote Smart Roller

**2390000000**

Impregnation unit

Drill powered roller for wetting out short DN50-150 liners.



### Liner Holder DN50 Narrow for Smart Roller

**2360101050**

Smart Roller

For securing the liner while pouring resin. Custom designed for the Picote Smart Roller.



### Liner Holder DN75 Narrow for Smart Roller

**2360101075**

Smart Roller

For securing the liner while pouring resin. Custom designed for the Picote Smart Roller.



### Liner Holder DN100 Narrow for Smart Roller

**2360101100**

Smart Roller

For securing the liner while pouring resin. Custom designed for the Picote Smart Roller.

## CIPP Lining Tools

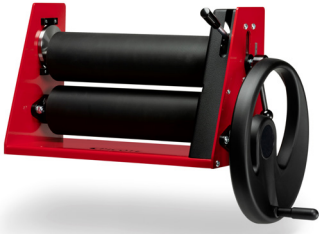


### Liner Holder DN150 Narrow for Smart Roller

**2360101150**

Smart Roller

For securing the liner while pouring resin. Custom designed for the Picote Smart Roller.



### Picote Manual Roller

**2300000001**

Impregnation unit

Manual roller for wetting out DN50-250 liners.



### Picote Inversion Drum 350

**2300000350**

Inversion drum

Pipe Range: DN50-150

Weight: 14kg. 44cm(W)x55cm(L)x48cm(H)

Liner Capacity: 9m (of DN150 Liner with straight winding and without resin).



### Picote Inversion Drum 500

**2300000500**

Inversion drum

Pipe Range: DN50-200

Weight: 38kg. 63cm(W)x86cm(L)x112cm(H)

Liner Capacity: 18m (of DN150 Liner with straight winding and without resin).



### Picote Inversion Drum 700

**2300000700**

Inversion drum

Pipe Range: DN50-250

Weight: 50kg. 72cm(W)x91cm(L)x118cm(H)

Liner Capacity: 38m (of DN150 Liner with straight winding and without resin).



### Picote Inversion Drum 700 Slim

**2300000701**

Inversion drum

Pipe Range: DN50-250

Weight: 59kg. Without wheel stand: 50kg. 59cm(W)x98cm(L)x114cm(H)

Liner Capacity: 38m (of DN150 Liner with straight winding and without resin).



### Picote Inversion Drum 900

**2300000900**

Inversion drum

Pipe Range: DN50-300

Weight: 80kg. 82cm(W)x120cm(L)x128cm(H).

Liner Capacity: 50m (of DN225 liner with straight winding and without resin)





### Inversion Drum Key

**2300000002**

Inversion Drum Spare Part



### Inversion Head DN50 Straight

**2301000050**

Inversion Head for Drum



### Inversion Head DN70 Straight

**2301000075**

Inversion Head for Drum



### Inversion Head DN100 Straight

**2301000100**

Inversion Head for Drum



### Inversion Head DN150 Straight

**2301000150**

Inversion Head for Drum



### Inversion Head DN70 Elbow 45

**2302000075**

Inversion Head for Drum

Use with Head Reducer.



### Inversion Head DN100 Elbow 45

**2302000100**

Inversion Head for Drum

Use with Head Reducer.

## CIPP Lining Tools



### Inversion Head DN150 Elbow 45

**2302000150**

Inversion Head for Drum



### Inversion Head DN70 Elbow 90

**2305000075**

Inversion Head for Drum

Use with Head Reducer.



### Inversion Head DN100 Elbow 90

**2305000100**

Inversion Head for Drum

Use with Head Reducer.



### Inversion Head DN150 Elbow 90

**2305000150**

Inversion Head for Drum



### Inversion Head 75mm with Steam Connection

**2306000075**

Inversion Head for Drum

Comes with a steam connection.



### Inversion Head 100mm with Steam Connection

**2306000100**

Inversion Head for Drum

Comes with a steam connection.



### Inversion Head 150mm with Steam Connection

**2306000150**

Inversion Head for Drum

Comes with a steam connection.

## CIPP Lining Tools



### Inversion Head Reducer DN100-150

**2300000003**

Inversion Head for Drum

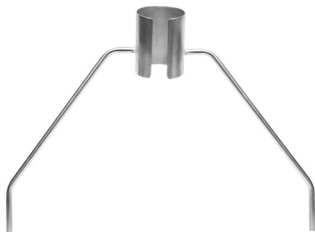


### Liner Holder DN50 Standard

**2360001050**

Liner Holder

Safely secure liner when pouring resin into the liner.



### Liner Holder DN75 Standard

**2360001075**

Liner Holder

Safely secure liner when pouring resin into the liner.



### Liner Holder DN100 Standard

**2360001100**

Liner Holder

Safely secure liner when pouring resin into the liner.



### Liner Holder DN150 Standard

**2360001150**

Liner Holder

Safely secure liner when pouring resin into the liner.



### Gluing Tool DN50

**1320050050**

Preparation for Open Ended Liners

For gluing open-end calibration hose to liner.



### Gluing Tool 3D DN50-70/One Size DN70

**1320050070**

Preparation for Open Ended Liners

For gluing open-end calibration hose to liner.



## CIPP Lining Tools

### Gluing Tool 3D DN70-100/ One Size DN100



**1320070100**

Preparation for Open Ended Liners  
For gluing open-end calibration hose to liner.

### Gluing Tool 3D DN100-150/One Size DN150



**1320100150**

Preparation for Open Ended Liners  
For gluing open-end calibration hose to liner.

### Gluing Tool 3D DN150-200/One Size DN200



**1320150200**

Preparation for Open Ended Liners  
For gluing open-end calibration hose to liner.

**NEW**



### Picote Branch Lining Glue 1L

**1320001001**

Preparation for Open Ended Liners  
Glue used for calibration hose and liner in open-end lining process.  
Can be used with steam up to 60 °C.



### Brush for Gluing

**2300000004**

Preparation for Open Ended Liners



### Steel Tie Gun

**900000600**

Preparation for Open Ended Liners



### Stainless Steel Cable Tie

**900000601**

Preparation for Open Ended Liners  
Includes 100pcs.

## CIPP Lining Tools



### Connection Collar Installation Tool Head

**1410000002**

Connection Collar System

For insertion of connection collars into the pipe connection.

Purchase multiple tool heads and preassemble bladders on them.



### Connection Collar Installation Tool 5m

**1410000005**

Connection Collar System

Includes one Installation Tool Head.



### Connection Collar Installation Tool 10m

**1410000010**

Connection Collar System

Includes one Installation Tool Head.

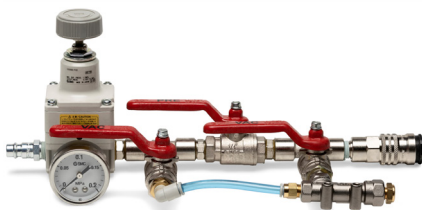


### Connection Collar Installation Tool 15m

**1410000015**

Connection Collar System

Includes one Installation Tool Head.



### Regulator and Vacuum Assembly EU

**1410000001**

Connection Collar System

For Vacuum and installation of Connection Collars.



### Vacuum EU

**1410000000**

Connection Collar System

For Vacuum and installation of Connection Collars.



### Hose Clamp 26-38mm

**9500000384**

Connection Collar System

For attaching Bladder to the Installation Tool Head.

## CIPP Lining Tools



### Hose Clamp 32-44mm

**9500000385**

Connection Collar System

For attaching Bladder to the Installation Tool Head.



### Floor Drain Rubber Seal 38

**2110000038**

Floor Drain Equipment

Maintenance plug for Floor Drain Stainless Steel Plate.

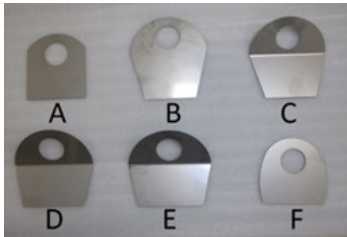


### Floor Drain Rubber Seal 66

**2110000066**

Floor Drain Equipment

Maintenance plug for Floor Drain Stainless Steel Plate.



### Floor Drain Stainless Steel Plate A 1.5mm

**2110000100**

Floor Drain Equipment

For replacing old water drain lock.



### Floor Drain Stainless Steel Plate B 1.5mm

**2110000101**

Floor Drain Equipment

For replacing old water drain lock.



### Floor Drain Stainless Steel Plate C 1.5mm

**2110000102**

Floor Drain Equipment

For replacing old water drain lock.



### Floor Drain Stainless Steel Plate D 1.5mm

**2110000103**

Floor Drain Equipment

For replacing old water drain lock.

## CIPP Lining Tools



### Floor Drain Stainless Steel Plate E 1.5mm

**2110000104**

Floor Drain Equipment  
For replacing old water drain lock.



### Floor Drain Stainless Steel Plate F 1.5mm

**2110000105**

Floor Drain Equipment  
For replacing old water drain lock.



### Diamond Cupdrill 32 x 60mm with M14

**6001032060**

Floor Drain Equipment  
For removing old water lock from the floor drain.



### Diamond Cupdrill 66 x 60mm with M14

**6001066060**

Floor Drain Equipment  
For removing old water lock from the floor drain.



### Diamond Cupdrill 88 x 170mm with M14

**6001088300**

Floor Drain Equipment  
For removing old water lock from the floor drain.



### Diamond Cupdrill Extension

**6001000100**

Floor Drain Equipment  
For removing old water lock from the floor drain.



### Diamond Cupdrill Adapter for Drill

**6001000101**

Floor Drain Equipment  
For removing old water lock from the floor drain.



## CIPP Lining Tools



### **DBB 120x8mm Head 15x25 Grit 46**

**6002801525**

Floor Drain Equipment

Used to grind/clean the floor drains.



### **DBB 120x8mm Head 20x23 Grit 46**

**6002802023**

Floor Drain Equipment

Used to grind/clean the floor drains.

## INSTALL **T** OR **Y** CONNECTION COLLARS WITH EASE

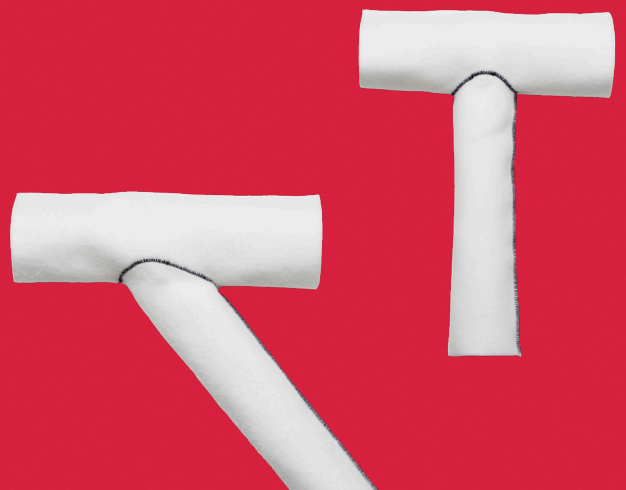
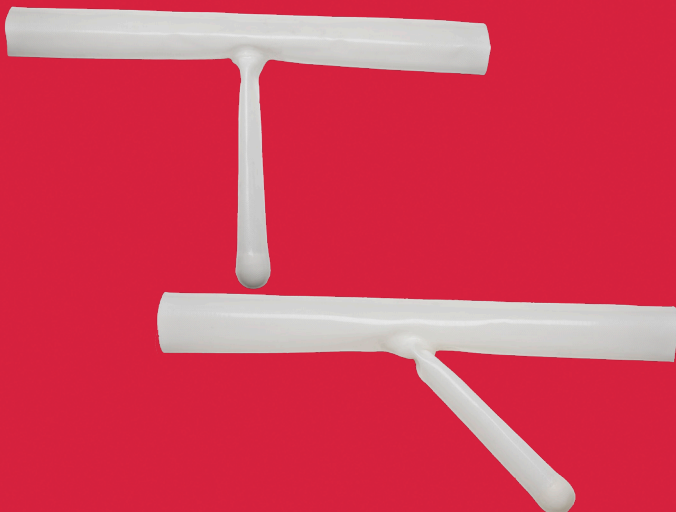
Easily and quickly install T and Y connection collars at the job site with Picote's customised installation tool for DN70 to DN150 pipes. This flexible system offers all parts needed (Installation Tool & Head, Bladder & Connection Collars). The innovative Installation Tool allows the use of compressed air for the installation process.

Available in 3 lengths: 5m, 10m & 15m.



***Since 2013 there have been over 40,000 successful installations of T and Y Picote Connection Collars, which are hand-made in Finland.***

# CONNECTION COLLARS & BLADDERS





### Connection Collars

1411007050T DN70/50 T  
 1411007050Y DN70/50 Y  
 1411007070T DN70/70 T  
 1411007070Y DN70/70 Y  
 1411010050T DN100/50 T  
 1411010050Y DN100/50 Y  
 1411010070T DN100/70 T  
 1411010070Y DN100/70 Y  
 1411100100T DN100/100 T  
 1411100100Y DN100/100 Y  
 1411125050T DN125/50 T  
 1411125050Y DN125/50 Y  
 1411125070T DN125/70 T  
 1411125070Y DN125/70 Y  
 1411125100T DN125/100 T  
 1411125100Y DN125/100 Y  
 1411125125T DN125/125 T  
 1411125125Y DN125/125 Y  
 1411150050T DN150/50 T  
 1411150050Y DN150/50 Y  
 1411150070T DN150/70 T  
 1411150070Y DN150/70 Y  
 1411150100T DN150/100 T  
 1411150100Y DN150/100 Y  
 1411150125T DN150/125 T  
 1411150125Y DN150/125 Y  
 1411150150T DN150/150 T  
 1411150150Y DN150/150 Y



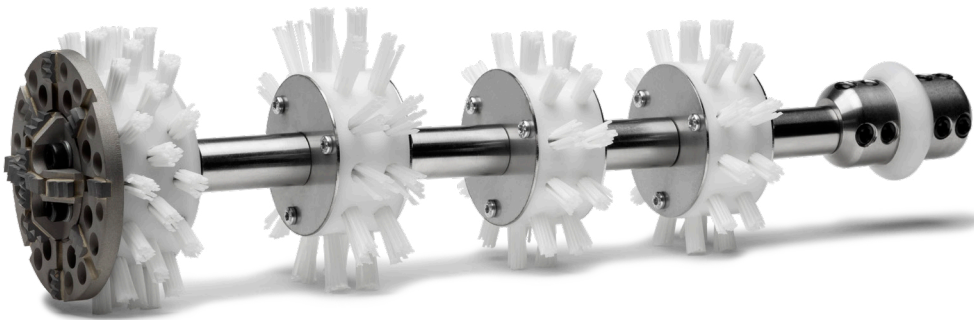
### Picote Bladders

1410007050Y DN70/50 Y  
 1410007070T DN70/70 T  
 1410007070Y DN70/70 Y  
 1410010050T DN100/50 T  
 1410010050Y DN100/50 Y  
 1410010070T DN100/70 T  
 1410010070Y DN100/70 Y  
 1410100100T DN100/100 T  
 1410100100Y DN100/100 Y  
 1410150070T DN150/70 T  
 1410150070Y DN150/70 Y  
 1410150100T DN150/100 T  
 1410150100Y DN150/100 Y  
 1410150150T DN150/150 T  
 1410150150Y DN150/150 Y



## NEW TIGER TWISTER

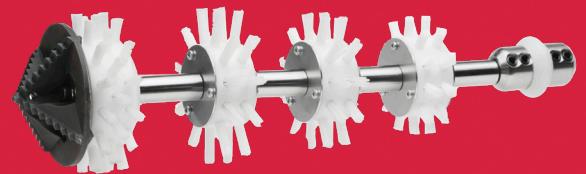
The Tiger Twister is a fast and efficient lateral cutter that produces a clean, impressive reinstatement every time, especially with fibre glass liners and UV resins. It has a precision manufactured milling plate equipped with the specially hardened Tiger carbides.



# TWISTER LATERAL CUTTERS

## TWISTER MINI FLEXI

Open lateral connections fast,  
even through P-traps or multiple bends.



## TAKE THE EXPRESS WAY

The Picote Twister Express is a fast and highly efficient way to open lateral connections, making an impressive first opening. Follow with the Smart Cutter™ for fine tuning.



## Twister Lateral Cutters

### Twister Mini Flexi DN50 - 8mm Shaft



**1230000054**

Lateral Cutter (8mm Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.  
Spare Drill Head: 1230000053.

### Twister Express DN50 - 8mm Shaft



**1230000052**

Lateral Cutter (8mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Spare Drill Head: 1230000053.

### Twister Mini Flexi DN70 - 8mm Shaft



**1230000074**

Lateral Cutter (8mm Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.  
Spare Drill Head: 1230000073.

### Twister Express DN70 - 8mm Shaft



**1230000072**

Lateral Cutter (8mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Spare Drill Head: 1230000073.

### Twister Express DN70 Unlined Pipe - 12mm Shaft



**1230000371**

Lateral Cutter (12mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Spare Drill Head: 900000987.

### Twister Express DN70 Lined Pipe - 12mm Shaft

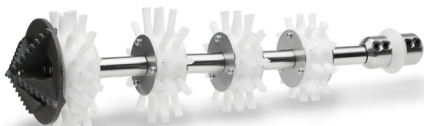


**1230000471**

Lateral Cutter (12mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Spare Drill Head: 900000988.

### Twister Express DN100 Lined Pipe - 12mm Shaft



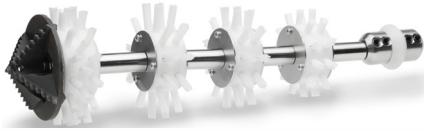
**1233075102**

Lateral Cutter (12mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Front Drill Head size 75mm Spare Drill Head: 1300214075.

## Twister Lateral Cutters

### Twister Express DN100 Unlined Pipe - 12mm Shaft

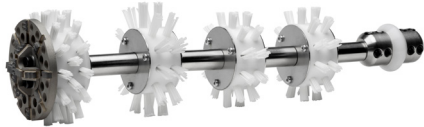


**1233085102**

Lateral Cutter (12mm Shaft)

Time is money. Our fastest option for reinstating lined connections with an impressive initial opening inside cast iron, clay, concrete or PVC pipes.  
Front Drill Head size 85mm Spare Drill Head: 1300214085.

### Tiger Twister Lateral Cutter DN100 Lined

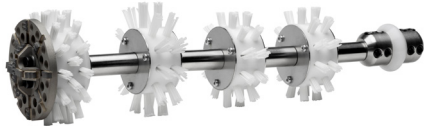


**1262075100**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 75mm/Thickness 6mm (1260000075).

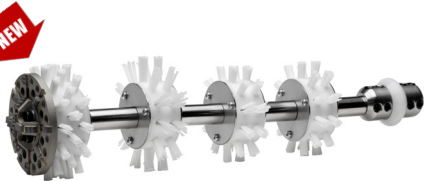
### Tiger Twister Lateral Cutter DN100 Unlined



**1262085100**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 85mm/Thickness 6mm (1260000085).

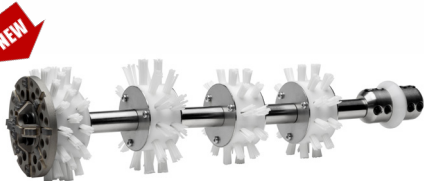


### Tiger Twister Lateral Cutter DN125 Lined

**1262090125**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 90mm/Thickness 6mm (1260000090).

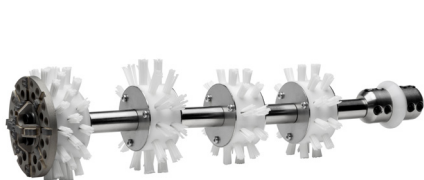


### Tiger Twister Lateral Cutter DN125 Unlined

**1262100125**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 100mm/Thickness 6mm (1260000100).

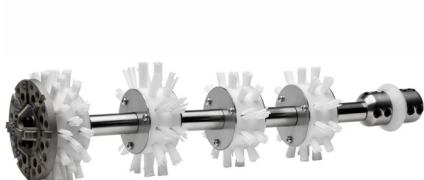


### Tiger Twister Lateral Cutter DN150 Lined

**1262115150**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 115mm/Thickness 6mm (1260000115).



### Tiger Twister Lateral Cutter DN150 Unlined

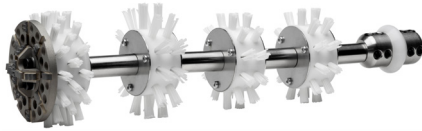
**1262125150**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 125mm/Thickness 6mm (1260000125).

## Twister Lateral Cutters

### Tiger Twister Lateral Cutter DN200 Unlined

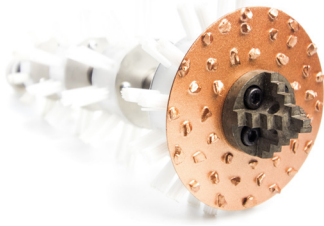


**1262175200**

Lateral Cutter (12mm Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 175mm/Thickness 6mm (1260000175).

### Twister DN100 for Lined Pipe - 12mm Shaft



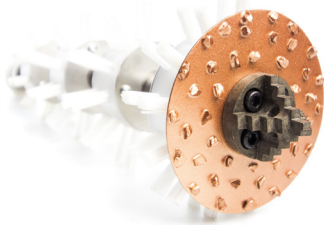
**1230075100Y**

Lateral Cutter (12mm Shaft)

Front Metal Panel: 75mm/Thickness 1mm (1210310075).

Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe. Includes spare 3mm Front Metal Panel.

### Twister DN100 for Unlined Pipe - 12mm Shaft



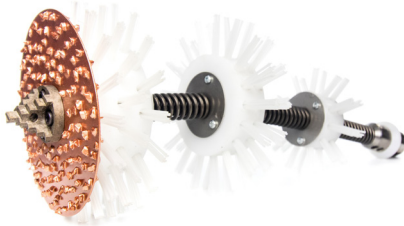
**1230085100Y**

Lateral Cutter (12mm Shaft)

Front Metal Panel: 85mm/thickness 1mm. (1210310085).

Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe. Includes spare 3mm Front Metal Panel.

### Twister DN150 for Lined Pipe - 12mm Shaft



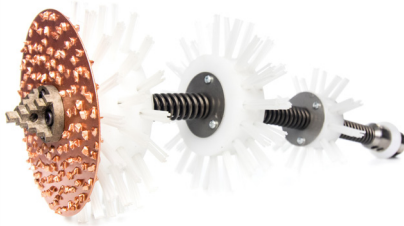
**1230115150Y**

Lateral Cutter (12mm Shaft)

Front Metal Panel: 115mm/thickness 1mm. (1210310115).

Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe. Includes spare 3mm Front Metal Panel.

### Twister DN150 for Unlined Pipe - 12mm Shaft



**1231125150Y**

Lateral Cutter (12mm Shaft)

Front Metal Panel: 125mm/thickness 1mm. (1210310125).

Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe. Includes spare 3mm Front Metal Panel.

### Twister DN200 - 12mm Shaft



**1230175200Y**

Lateral Cutter (12mm Shaft)

Front Metal Panel: 175mm/thickness 1mm. (1210310175).

Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe. Includes spare 3mm Front Metal Panel.





## WIPE OUT THE COMPETITION!

Special Drill Heads can easily cut into tough blockages such as tree roots, grease, heavy scale, or tuberculation and can be used to unblock pipes in order to make space for larger tools to follow.

Special Drill Heads can be attached in front of Picote Original Grinding Chains to create an initial opening in the blockage to then allow the chains to open and better perform their cleaning function.

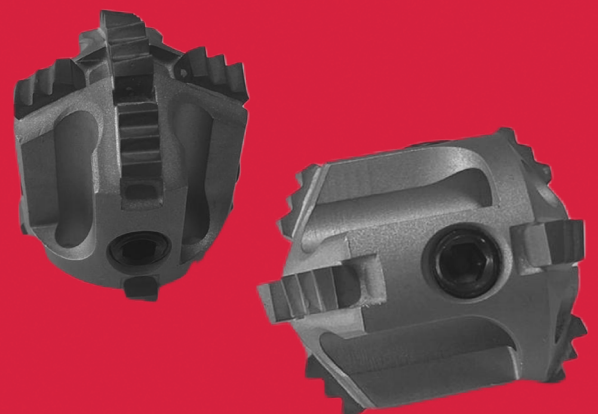
They can also be used to create an initial CIPP connection opening in pipes when larger tools like the Twister cannot fit, or where a Front Drill Head and Front Panel cannot be attached to a Smart Cutter™.



Check out our video on Drill Heads at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)

# SPECIAL DRILL HEADS & TIGER BORES

The **Tiger Bore** is highly efficient at reinstating lined connections and opening up blockages. It is also effective for cutting through collapsed liners to make room for larger removal tools to follow as well as for removing grout & concrete in small diameter pipes.





## Special Drill Heads & Tiger Bores

(S) = Shaft Size (D) = Diameter (L) = Length



### Special Drill Head Cutter for DN32-40 Pipe - 8mm Shaft

**1310820029**

Reinstatements & Cleaning (8mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 8(S)x20(D)x29(L).



### Special Drill Head Cutter for DN50 Pipe - 8mm Shaft

**1310820042**

Reinstatements & Cleaning (8mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 8(S)x20(D)x42(L).



### Special Drill Head Cutter for DN50-75 Pipe - 8mm Shaft

**1310830055**

Reinstatements & Cleaning (8mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 8(S)x30(D)x55(L).



### Special Drill Head Cutter for DN70-75 Pipe - 12mm Shaft

**1311230055**

Reinstatements & Cleaning (12mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 12(S)x30(D)x55(L).



### Special Drill Head Cutter for DN70-75 Pipe - 12mm Shaft

**1311240071**

Reinstatements & Cleaning (12mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 12(S)x40(D)x71(L).



### Special Drill Head Cutter for DN75-100 Pipe - 12mm Shaft

**1311250091**

Reinstatements & Cleaning (12mm Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: 12(S)x50(D)x91(L).



### Special Drill Head Cutter 2.0 for DN50-75 Pipe - 8mm Shaft

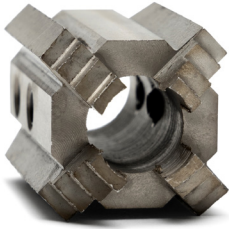
**1310833055**

Reinstatements & Cleaning (8mm Shaft)

Similar features to the Standard Cutter but works better for cutting through soft materials. Drill head stays sharper when used for reinstatements. Measurement: 8(S)x30(D)x55(L).

## Special Drill Heads & Tiger Bores

(S) = Shaft Size (D) = Diameter (L) = Length



### Special Drill Head Cutter 2.0 for DN70-75 Pipe - 12mm Shaft

**1311233055**

Reinstatements & Cleaning (12mm Shaft)

Similar features to the Standard Cutter but works better for cutting through soft materials.

Drill head stays sharper when used for reinstatements.

Measurement: 12(S)x30(D)x55(L).



### Special Drill Head Cutter 2.0 for DN70-100 Pipe - 12mm Shaft

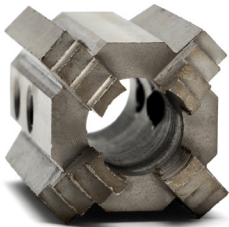
**1311234071**

Reinstatements & Cleaning (12mm Shaft)

Similar features to the Standard Cutter but works better for cutting through soft materials.

Drill head stays sharper when used for reinstatements.

Measurement: 12(S)x40(D)x71(L).



### Special Drill Head Cutter 2.0 for DN70-100 Pipe - 12mm Shaft

**1311235091**

Reinstatements & Cleaning (12mm Shaft)

Similar features to the Standard Cutter but works better for cutting through soft materials.

Drill head stays sharper when used for reinstatements.

Measurement: 12(S)x50(D)x91(L).



### Special Drill Head PVC for DN32-40 Pipe - 8mm Shaft

**1310812029**

Reinstatements & Cleaning (8mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 8(S)x23(D)x29(L).



### Special Drill Head PVC for DN50 Pipe - 8mm Shaft

**1310812042**

Reinstatements & Cleaning (8mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 8(S)x23(D)x42(L).



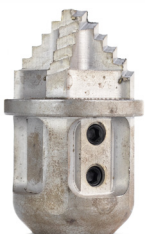
### Special Drill Head PVC for DN50-75 Pipe - 8mm Shaft

**1310813055**

Reinstatements & Cleaning (8mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 8(S)x34(D)x55(L).



### Special Drill Head PVC for DN70-75 Pipe - 12mm Shaft

**1311213055**

Reinstatements & Cleaning (12mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 12(S)x30(D)x55(L).

## Special Drill Heads & Tiger Bores

(S) = Shaft Size (D) = Diameter (L) = Length



### Special Drill Head PVC for DN70-75 Pipe - 12mm Shaft

**1311214071**

Reinstatements & Cleaning (12mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 12(S)x40(D)x71(L).



### Special Drill Head PVC for DN75-100 Pipe - 12mm Shaft

**1311215091**

Reinstatements & Cleaning (12mm Shaft)

Drill head with safety ring to safely operate inside PVC & clay pipes and make initial cut.

Measurement: 12(S)x50(D)x91(L).



### Special Drill Head 3D DN50-75 Pipe - 8mm Shaft

**1310823055**

Reinstatements (8mm Shaft)

3D model has reverse angled cutting edges allowing the drill head to be pulled backwards to enlarge initial opening made by smaller standard Special Drill Head/Bore.

Measurement: 8(S)x30(D)x55(L).



### Special Drill Head 3D for DN70-75 Pipe - 12mm Shaft

**1311223055**

Reinstatements (12mm Shaft)

3D model has reverse angled cutting edges allowing the drill head to be pulled backwards to enlarge initial opening made by smaller standard Special Drill Head/Bore.

Measurement: 12(S)x30(D)x55(L).



### Special Drill Head 3D for DN70-75 Pipe - 12mm Shaft

**1311224071**

Reinstatements (12mm Shaft)

3D model has reverse angled cutting edges allowing the drill head to be pulled backwards to enlarge initial opening made by smaller standard Special Drill Head/Bore.

Measurement: 12(S)x40(D)x71(L).



### Special Drill Head 3D for DN75-100 Pipe - 12mm Shaft

**1311225091**

Reinstatements (12mm Shaft)

3D model has reverse angled cutting edges allowing the drill head to be pulled backwards to enlarge initial opening made by smaller standard Special Drill Head/Bore.

Measurement: 12(S)x50(D)x91(L).



### Special Drill Head 20x40, 4-Prong - 8mm Shaft

**1300820040**

Reinstatements & Cleaning (8mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 8(S)x20(D)x40(L).

## Special Drill Heads & Tiger Bores

(S) = Shaft Size (D) = Diameter (L) = Length



### Special Drill Head 30x50, 4-Prong - 8mm Shaft

#### **1300830050**

Reinstatements & Cleaning (8mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 8(S)x30(D)x50(L).



### Special Drill Head 30x50, 4-Prong - 12mm Shaft

#### **1301230050**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x30(D)x50(L).



### Special Drill Head 40x60, 4-Prong - 12mm Shaft

#### **1301240060**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x40(D)x60(L).



### Special Drill Head 50x80, 4-Prong - 12mm Shaft

#### **1301250080**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x50(D)x80(L).



### Special Drill Head 20x40, 6-Prong - 8mm Shaft

#### **1300820240**

Reinstatements & Cleaning (8mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 8(S)x20(D)x40(L).



### Special Drill Head 30x50, 6-Prong - 8mm Shaft

#### **1300830250**

Reinstatements & Cleaning (8mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 8(S)x30(D)x50(L).



### Special Drill Head 30x50, 6-Prong - 12mm Shaft

#### **1301230250**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x30(D)x50(L).



## Special Drill Heads & Tiger Bores

(S) = Shaft Size (D) = Diameter (L) = Length



### Special Drill Head 40x60, 6-Prong - 12mm Shaft

**1301240260**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x40(D)x60(L).



### Special Drill Head 50x80, 6-Prong - 12mm Shaft

**1301250280**

Reinstatements & Cleaning (12mm Shaft)

Very efficient. Highly aggressive for reinstating lined connections.

Also good for unblocking and removing tree roots.

Measurement: 12(S)x50(D)x80(L).



### Tiger Bore 30mm for DN50 - 8mm Shaft

**1261084030**

Reinstatements & Cleaning (8mm Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete.

Tiger carbides ensure maximum working efficiency, durability, and power.



### Tiger Bore 40mm for DN50 - 8mm Shaft

**1261084040**

Reinstatements & Cleaning (8mm Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete.

Tiger carbides ensure maximum working efficiency, durability, and power.



### Tiger Bore 30mm for DN70 - 12mm Shaft

**1261125030**

Reinstatements & Cleaning (12mm Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete.

Tiger carbides ensure maximum working efficiency, durability, and power.



### Tiger Bore 40mm for DN70 - 12mm Shaft

**1261125040**

Reinstatements & Cleaning (12mm Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete.

Tiger carbides ensure maximum working efficiency, durability, and power.



### Tiger Bore 50mm for DN70-100 - 12mm Shaft

**1261125050**

Reinstatements & Cleaning (12mm Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete.

Tiger carbides ensure maximum working efficiency, durability, and power.

## SMARTER THAN YOU THINK!

The patented Picote Smart Cutter™ is a truly groundbreaking and versatile tool that has changed the trenchless industry worldwide. Originally created as a lateral reinstatement cutter for inside buildings, the Smart Cutter™ is also suitable for cleaning pipes from DN32 to DN300. Want more? The Smart Cutter™ is a great tool to remove remaining concrete or failed CIPP lining from the edges of a pipe and is even available for the Maxi Power+ machine.



The **ORIGINAL**  
and still the **BEST**

# SMART CUTTER™



**CUT | CLEAN | REFINE**



## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Hub 12x25 for DN32 - 6mm Shaft No Wedge

#### **1000612025**

2 Panel Hub with No Wedge (6mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 6(S)x12(D)x25(L).



### Hub 15x25 for DN32 - 6mm Shaft No Wedge

#### **1000615025**

2 Panel Hub with No Wedge (6mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 6(S)x15(D)x25(L).



### Hub 15x30 for DN32 - 6mm Shaft No Wedge

#### **1000615030**

2 Panel Hub with No Wedge (6mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 6(S)x15(D)x30(L).



### Hub 18x25 for DN32-40, 8mm Shaft No Wedge

#### **1000818025**

2 Panel Hub with No Wedge (8mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 8(S)x18(D)x25(L).



### Hub 20x40 for DN50- 8mm Shaft No Wedge

#### **1000820040**

2 Panel Hub with No Wedge (8mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 8(S)x20(D)x40(L).



### Hub 20x60 for DN50-70 - 8mm Shaft No Wedge

#### **1000820060**

2 Panel Hub with No Wedge (8mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 8(S)x20(D)x60(L).



### Hub 20x40 for DN50 - 10mm Shaft No Wedge

#### **1001020040**

2 Panel Hub with No Wedge (10mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 10(S)x20(D)x40(L).



## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Hub 20x60 for DN50-70 - 10mm Shaft No Wedge

#### **1001020060**

2 Panel Hub with No Wedge (10mm Shaft)

Use with Side Grinding Panels with no wedge (1202040060 & 1202050100).

Measurement: 10(S)x20(D)x60(L).



### Hub 20x50 2W for DN70 - 8mm Shaft

#### **1000820050**

2 Panel Hub with Wedge (8mm Shaft)

DN70 pipe. Use with Side Grinding Panel 50x100 & Hub Disc 2W.

Measurement: 8(S)x20(D)x50(L).



### Hub 20x75 2W for DN100 - 8mm Shaft

#### **1000820075**

2 Panel Hub with Wedge (8mm Shaft)

DN100 pipe. Use with Side Grinding Panel 75x125 & Hub Disc 2W.

Measurement: 8(S)x20(D)x75(L).



### Hub 20x50 2W for DN70 - 10mm Shaft

#### **1001020050**

2 Panel Hub with Wedge (10mm Shaft)

DN70 pipe. Use with Side Grinding Panel 50x100 & Hub Disc 2W.

Measurement: 10(S)x20(D)x50(L).



### Hub 20x75 2W for DN100 - 10mm Shaft

#### **1001020075**

2 Panel Hub with Wedge (10mm Shaft)

DN100 pipe. Use with Side Grinding Panel 75x125 & Hub Disc 2W.

Measurement: 10(S)x20(D)x75(L).



### Hub 35x50 for DN70-100 - 8mm Shaft

#### **1000835050A**

4 Panel Hub with Wedge (8mm Shaft)

DN70-100 pipe. Use with Side Grinding Panel 50x100 with Wedge & Hub Disc S.

Material: Aluminium.

Measurement: 8(S)x35(D)x50(L).



### Hub 35x50 for DN70-100 - 10mm Shaft

#### **1001035050A**

4 Panel Hub with Wedge (10mm Shaft)

DN70-100 pipe. Use with Side Grinding Panel 50x100 with Wedge & Hub Disc S.

Material: Aluminium.

Measurement: 10(S)x35(D)x50(L).



## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Hub 35x50 for DN70-100 - 12mm Shaft

#### **1001235050A**

4 Panel Hub with Wedge (12mm Shaft)  
DN70-100 pipe. Use Side Grinding Panel 50x100 & Hub Disc S.  
Material: Aluminium.  
Measurement: 12(S)x35(D)x50(L).



### Hub 35x75 for DN70-100 - 12mm Shaft

#### **1001235075A**

4 Panel Hub with Wedge (12mm Shaft)  
DN70-100 pipe. Uses Side Grinding Panel 75x125 & Hub Disc S.  
Material: Aluminium.  
Measurement: 12(S)x35(D)x75(L).



### Hub 40x100 for DN100-150 - 12mm Shaft

#### **1001240100A**

4 Panel Hub with Wedge (12mm Shaft)  
DN100-150 pipe. Use Side Grinding Panel 100x150 & Hub Disc L.  
Material: Aluminium.  
Measurement: 12(S)x40(D)x100(L).



### Hub 40x150 for DN150-200 - 12mm Shaft

#### **1001240150A**

4 Panel Hub with Wedge (12mm Shaft)  
DN150-200 pipe. Use Side Grinding Panel 150x200 & Hub Disc L.  
Material: Aluminium.  
Measurement: 12(S)x40(D)x150(L).



### Hub 40x200 for DN200 - 12mm Shaft

#### **1001240200A**

4 Panel Hub with Wedge (12mm Shaft)  
DN200 pipe. Use with Side Grinding Panel 200x300 & Hub Disc L.  
Material: Aluminium.  
Measurement: 12(S)x40(D)x200(L).



### Hub 50x100 for DN100-150 (6 Panel) - 12mm Shaft

#### **1001250100A**

6 Panel Hub with Wedge (12mm Shaft)  
For DN100-150 pipes. Includes Hub Disc XL.  
Use with Side Grinding Panel 100x100 (DN100) or 100x150 (DN150).  
Measurement: 12(S)x50(D)x100(L).



### Hub 40x200 for DN150-200 (6 Panel) - 12mm Shaft

#### **1001250150A**

6 Panel Hub with Wedge (12mm Shaft)  
For DN150-200 pipes. Includes Hub Disc (XL).  
Use with Side Grinding Panel 150x150 (DN150) or 150x200 (DN200).  
Measurement: 12(S)x50(D)x150(L).

## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Smart Cutter™ Hub Disc 0x20x6 2W

**1000200020**

Hub Disc

Hub Disc 2W (diameter 20mm) for 2 Panel Hubs.



### Smart Cutter™ Hub Disc 0x35x6 S

**1000200035**

Hub Disc

Hub Disc S (diameter 35mm) for 4 Panel Hubs Ø35mm.



### Smart Cutter™ Hub Disc 0x40x6 L

**1000200040**

Hub Disc

Hub Disc L (diameter 40mm) for 4 Panel Hubs Ø40mm.



### Smart Cutter™ Hub Disc 0x50x3 XL (6 panel)

**1000200050**

Hub Disc

Hub Disc XL (diameter 50mm) for 6 Panel Hubs.



### Steering Hub Disc 10.5x35x6 - Small

**1000210035**

Hub Disc

Steering Hub Disc S (diameter 35mm).

Used with the Steering Axle for 4 Panel Hubs Ø35mm.



### Steering Hub Disc 10.5x40x6 - Large

**1000210040**

Hub Disc

Steering Hub Disc L (diameter 40mm).

Used with the Steering Axle for 4 Panel Hubs Ø40mm.



### Screws for Hub Disc

**1350000100**

Hub Disc spare part

Package of 12.

Specify which disc size when ordering.

## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Steering Axle 55

**1100100055**

Hub Disc Accessories  
For fine-tuning or steering tools.



### Bearing for Steering Axle

**1100200001**

Hub Disc Accessories  
Use with Steering Axle.



### Smart Steering Guide DN100-150 with Bearing

**1312024125**

Hub Accessories  
A precision fine-tuning tool that attaches to the Smart Cutter™ Hub allowing the user to steer the Hub without damaging the lined pipe during the reinstatement process.



### Smart Steering Guide DN150-200 with Bearing

**1312025125**

Hub Accessories  
A precision fine-tuning tool that attaches to the Smart Cutter™ Hub allowing the user to steer the Hub without damaging the lined pipe during the reinstatement process.



### Weight 40 - Small

**1100500040**

Hub Accessories  
Fine-tuning tool used to pull Hub downward to remove bottom lip of the liner.



### Weight 60 - Large

**1100500060**

Hub Accessories  
Fine-tuning tool used to pull Hub downward to remove bottom lip of the liner.



### Steering Wire 100m

**1350150405**

Hub Accessories  
For use with Weight for fine-tuning or with Twister Concrete Remover where there is access at both ends. Use with Steering Axle.

## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Wire Hook 12.5

**1350000125**

Hub Accessories

The Wire Hook is attached at the end of the Shaft which will be then used for pulling and guiding. For 12mm Shaft.



### Wire Hook 8.5

**1350000085**

Hub Accessories

The Wire Hook is attached at the end of the Shaft which will be then used for pulling and guiding. For 8mm Shaft.



### Side Grinding Panel 40x60 No Wedge

**1202040060**

Side Grinding Panel

For Non-Wedge Hubs. Sold in packages of 12 panels.



### Side Grinding Panel 50x100 No Wedge

**1202050100**

Side Grinding Panel

For Non-Wedge Hubs. Sold in packages of 12 panels.



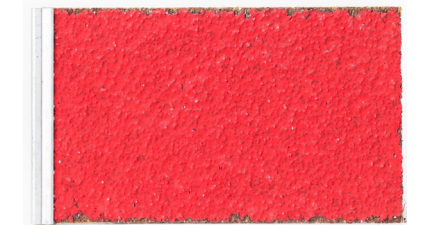
### Side Grinding Panel 50x100

**1203050100**

Side Grinding Panel

Use with hubs: 8.5x20x50 2W (1000820050), 8.5x35x50 (1000835050A) & 12.5x35x50 (1001235050A).

Sold in packages of 12 panels.



### Side Grinding Panel 75x125

**1202075125**

Side Grinding Panel

Use with hubs: 8.5x20x75 2W (1000820075) & 8.5x35x75 (1001235075A).

Sold in packages of 12 panels.



### Side Grinding Panel 100x100

**1202100100**

Side Grinding Panel

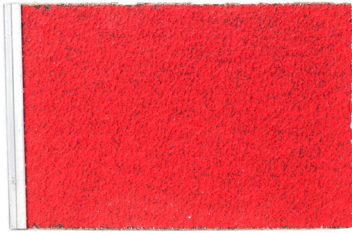
DN100 & DN150 pipes. Use with Hub 12.5x50x100 6 panel (1001250100A).

Sold in packages of 12 panels.



## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Side Grinding Panel 100x150

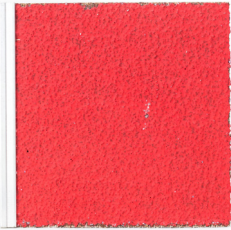
#### **1202100150**

Side Grinding Panel

DN100 pipe: use with Hub 12.5x40x100 (1001240100A).

DN100 & DN150 pipes: use with Hub 12.5x50x100 6 panel (1001250100A).

Sold in packages of 12 panels.



### Side Grinding Panel 150x150

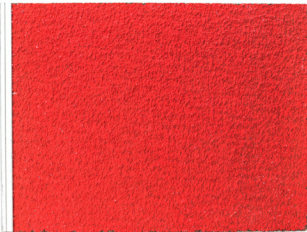
#### **1202150150**

Side Grinding Panel

DN150 pipe: Hubs 12.5x40x150 12mm (1001240150A) & DN150 18mm (1001870150A).

DN150 & DN200 pipes: use with Hub 12.5x50x150 6 panel (1001250150A).

Sold in packages of 12 panels.



### Side Grinding Panel 150x200

#### **1202150200**

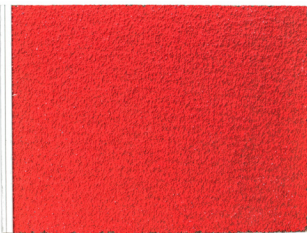
Side Grinding Panel

DN150 pipe: use with Hub 12.5x40x150 (1001240150A).

DN150 & DN200 pipes: use with Hub 12.5x50x150 6 panel (1001250150A).

DN200 & DN225 pipes: use with Hub 200-225 8 panel 18mm (1021800200).

Sold in packages of 12 panels.



### Side Grinding Panel 150x250

#### **1202150250**

Side Grinding Panel

DN150 pipe: use with Hub 12.5x40x150 (1001240150A).

DN150 & DN200 pipes: use with Hub 12.5x50x150 6 panel (1001250150A).

DN250 & DN300 pipes: use with Hub 200-225 8 panel 18mm (1021800200).

Sold in packages of 12 panels.



### Side Grinding Panel 200x300

#### **1202200300**

Side Grinding Panel

DN200 pipe: use with Hub 12.5x40x200 (1001240200A).

Sold in packages of 12 panels.



### Side Grinding Panel XT Rough 50x100 No Wedge

#### **1204050100**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

Sold in packages of 12 panels.

For Non-Wedge Hubs.



### Side Grinding Panel XT Rough 50x100

#### **1205050100**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

Use with hubs: 8.5x20x50 2W (1000820050), 8.5x35x50 (1000835050A)

& 12.5x35x50 (1001235050A).

Sold in packages of 12 panels.

## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length

### Side Grinding Panel XT Rough 75x125

#### **1203075125**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

Use with Hubs: 8.5x20x75 2W (1000820075) & 12.5x35x75 (1001235075A).

Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 100x100

#### **1203100100**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN100 & DN150 pipes. Use with Hub 12.5x50x100 6 panel (1001250100A).

Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 100x150

#### **1203100150**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN100 pipe: use with Hub 12.5x40x100 (1001240100A).

DN100 & DN150 pipes: use with Hub 12.5x50x100 6 panel (1001250100A).

Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 150x150

#### **1203150150**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN150 pipe: hubs 12.5x40x150 12mm (1001240150A) & DN150 18mm (1001870150A).

DN150 & DN200 pipes: use with Hub 12.5x50x150 6 panel (1001250150A).

Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 150x200

#### **1203150200**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN150 pipe: use with Hub 12.5x40x150 (1001240150A). DN150 & DN200 pipes: use with

Hub 12.5x50x150 6 panel (1001250150A). DN200-225: use with Hub 200-225 8 panel

18mm (1021800200). Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 150x250

#### **1203150250**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN150 pipe: use with Hub 12.5x40x150 (1001240150A). DN150 & DN200 pipes: use with

Hub 12.5x50x150 6 panel (1001250150A). DN250-300: use with Hub 200-225 8 panel

18mm (1021800200). Sold in packages of 12 panels.

### Side Grinding Panel XT Rough 200x300

#### **1203200300**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and faster results.

DN200 pipe: use with Hub 12.5x40x200 (1001240200A).

Sold in packages of 12 panels.



## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Side Grinding Panel DN32 Package (25x40 No Wedge)

**1202025040**

Side Grinding Panel  
Panels for Mini Cleaner.  
Sold in packages of 12 panels.



### Side Grinding Panel DN40 Package (30x50 No Wedge)

**1202030050**

Side Grinding Panel  
Panels for Mini Cleaner.  
Sold in packages of 12 panels.



### Cleaning Panel DN32 Package (35x45 No Wedge)

**1241035045**

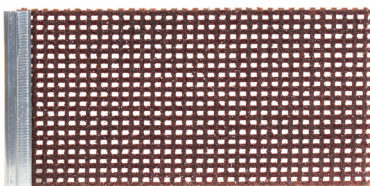
Polishing Panel  
Small no wedge Polishing Panels for cleaning with the Mini Cleaner.  
Sold in packages of 12 panels.



### Cleaning Panel DN40 Package (40x50 No Wedge)

**1241040050**

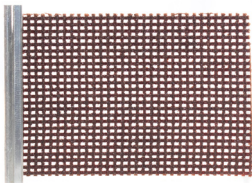
Polishing Panel  
Small no wedge Polishing Panels for cleaning with the Mini Cleaner.  
Sold in packages of 12 panels.



### Polishing Panel 50X100

**1241050100**

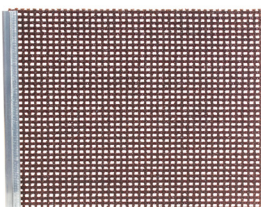
Polishing Panel  
For removing slight liner inconsistencies & polishing.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.



### Polishing Panel 75X100

**1241075100**

Polishing Panel  
For removing slight liner inconsistencies & polishing.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.



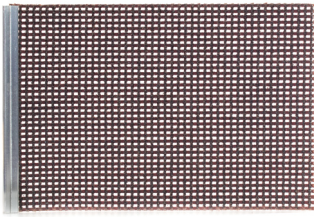
### Polishing Panel 100X125

**1241100125**

Polishing Panel  
For removing slight liner inconsistencies & polishing.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

## Smart Cutter™

(S) = Shaft Size (D) = Diameter (L) = Length



### Polishing Panel 100X150

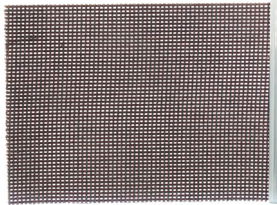
#### **1241100150**

Polishing Panel

For removing slight liner inconsistencies & polishing.

Gentle cleaning in PVC pipe in fragile situations.

Sold in packages of 12 panels.



### Polishing Panel 150x200

#### **1241150200**

Polishing Panel

For removing slight liner inconsistencies & polishing.

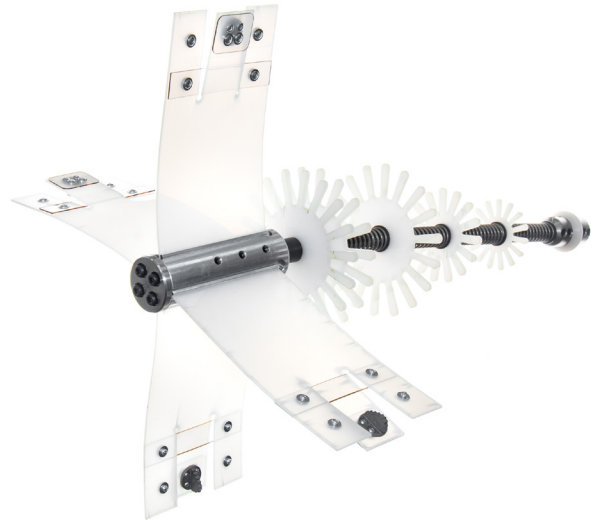
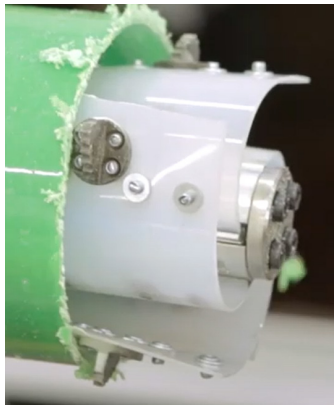
Gentle cleaning in PVC pipe in fragile situations.

Sold in packages of 12 panels.



## CUT BACK ON COSTLY MISTAKES

When lining towards a main or connection it is possible that the installation may inadvertently extend past the end of the pipe. This can create blockages and backups which can cause significant damage and expense. In these situations, Picote Pipe Cutters are fantastic tools to quickly and easily remove an overshoot lining that has extended into a connection. Simply attach the Pipe Cutter to your Miller, push it in place from the lateral and quickly cut off the excess lining.



**DN70** Pipe Cutter can be operated by the Mini, Super Midi, or Maxi Miller.

**DN100 & DN150** Pipe Cutters can be used with the Super Midi and Maxi Miller.

**DN200** Pipe Cutter Ultra Flex can be combined with the Maxi Miller.

# PIPE CUTTER

The **Standard Pipe Cutters** are sold as a panel pack that is combined with a Smart Cutter™ hub to create the final assembly.



The **Pipe Cutter Ultra Flex** is self-centering and designed for cutting off overshoot linings that occur directly after a bend.



There are two Pipe Cutter models – the **Standard** and the **Ultra Flex**. The Standard and Ultra Flex models feature panels with hardened steel button teeth and both can navigate bends up to 90°.

## Pipe Cutter



### Pipe Cutter DN70 Panel Package

**1250000070**

8mm Shaft & 12mm Shaft

Cut over-shot liners in a straight section of pipe.

Includes 4 panels.

8mm Shaft: Hub 8.5x20x50 (1000820050) & Hub Disc 2W (1000200020).

12mm Shaft: Hub 35x50 for DN70-100 (1001235050A) & Hub Disc S (1000200035).



### Pipe Cutter DN100 Panel Package

**1250000100**

12mm Shaft

Cut over-shot liners in a straight section of pipe.

Includes 4 panels & Centralisers.

Used with Hub 12.5x35x75 (1001235075A) & Hub Disc S (1000200035).



### Pipe Cutter DN150 Panel Package

**1250000150**

12mm Shaft

Cut over-shot liners in a straight section of pipe.

Includes 4 panels & Centralisers.

Used with Hub 12.5x40x100 (1001240100A) & Hub Disc L (1000200040).

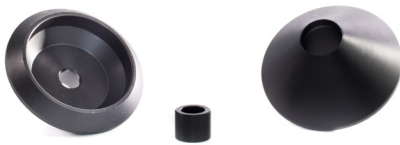


### Pipe Cutter Centraliser Package DN100

**1250100100**

Pipe Cutter Spare Part

Includes 2 Centralisers & Spacer Collet.



### Pipe Cutter Centraliser Package DN150

**1250150150**

Pipe Cutter Spare Part

Includes 2 Centralisers & Spacer Collet.



### Pipe Cutter DN100 Ultra Flex

**1250000101**

12mm Shaft

Used to cut over-shot liners when there is a bend before the cutting location.

For spare panels, use DN100 panels (1250000100).



### Pipe Cutter DN150 Ultra Flex

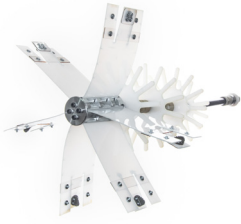
**1250000151**

12mm Shaft

Used to cut over-shot liners when there is a bend before the cutting location.

For spare panels, use DN150 panels (1250000150).

## Pipe Cutter



### Pipe Cutter DN200 Ultra Flex

**1250000200**

12mm Shaft

Used to cut over-shot liners when there is a bend before the cutting location.  
For spare panels, use DN200 panels (1250000201).



### Pipe Cutter DN200 Spare Panels

**1250000201**

Pipe Cutter Spare Part

Spare panels for Pipe Cutter Ultra Flex DN200.

Includes 6 panels.





## MAKE A GRAB FOR IT

The Grabber is a must-have on every job site. It allows you to quickly retrieve lost tools or foreign objects blocking a pipe, avoiding costly and time-consuming excavation.

The Original Grabber is designed for pipes of DN100 diameter and above, and the Large Grabber can be used in DN150 and larger pipes.

While viewing the location with your CCTV camera, simply push the grabber into position. The grabbing head is easily rotated so you can locate and grip the item with precision. Then, simply turn on the air valve to get a rock-solid grip on the object to pull it out and retrieve it. Turn off the air to release.

 Check out our video on Grabbers at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)

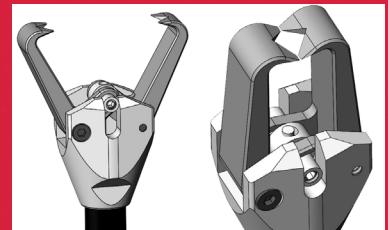
# PICOTE GRABBERS

Original Grabber DN100+ | Large Grabber DN150+ | Small Grabber DN50-DN70

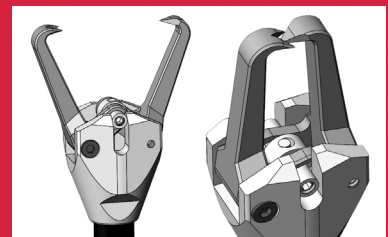


## SMALL GRABBER

NEW Small Grabber for retrieving lost items in smaller diameter pipes. Available for DN50-DN70 pipes in two lengths, 5m and 10m with the option of TWO styles of grabbing claw head!



Jaw Type 1



Jaw Type 2



## Grabbers



### Small Grabber DN50-75 5m (1 Jaw type)

**2370000020**

Grabber

Retrieve lost items or foreign objects. Range: 5m (no extension available).

Includes two model 1 Jaws: DN50 & DN75.

Fits in DN50 pipes or larger. No air pressure needed.



### Small Grabber DN50-75 10m (1 Jaw type)

**2370000021**

Grabber

Retrieve lost items or foreign objects. Range: 10m (no extension available).

Includes two model 1 Jaws: DN50 & DN75.

Fits in DN50 pipes or larger. No air pressure needed.



### Small Grabber Extra DN50-75 5m (2 Jaw types)

**2370000022**

Grabber

Retrieve lost items or foreign objects. Range: 5m (no extension available).

Includes two model 1 Jaws (DN50 & DN75) and two model 2 Jaws (DN50 & DN75).

Fits in DN50 pipes or larger. No air pressure needed.



### Small Grabber Extra DN50-75 10m (2 Jaw types)

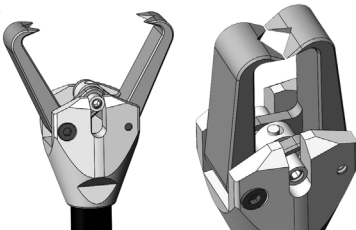
**2370000023**

Grabber

Retrieve lost items or foreign objects. Range: 10m (no extension available).

Includes two model 1 Jaws (DN50 & DN75) and two model 2 Jaws (DN50 & DN75).

Fits in DN50 pipes or larger. No air pressure needed.

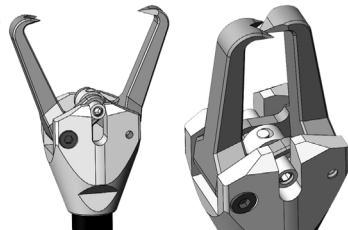


### Small Grabber Jaw Set 1 for DN50

**2370000024**

Small Grabber Spare Part

Use Small Jaw Set 1 to pick up more rounded and smooth items which are harder to grip.

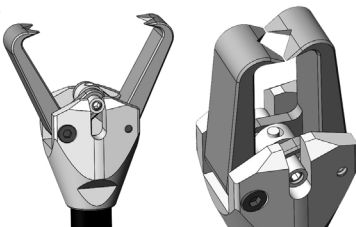


### Small Grabber Jaw Set 2 for DN50

**2370000025**

Small Grabber Spare Part

Choose Small Jaw Set 2 to pick up chains and debris with good grabbing points.



### Small Grabber Jaw Set 1 for DN70

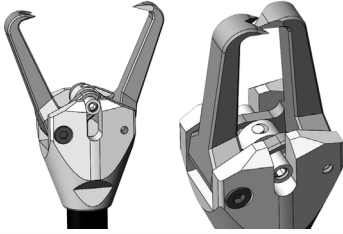
**2370000026**

Small Grabber Spare Part

Use Small Jaw Set 1 to pick up more rounded and smooth items which are harder to grip.

## Grabbers

NEW



### Small Grabber Jaw Set 2 for DN70

**2370000027**

Small Grabber Spare Part

Choose Small Jaw Set 2 to pick up chains and debris with good grabbing points.



### Picote Grabber

**2370000001**

Grabber

Retrieve lost items or foreign objects.

Range: 10m. Max Range: 30m. Used with air compressor.

Comes with 2 different jaws. Jaws open to max. 80mm.

Fits in DN100 pipes or larger. Max lifting weight 36kg.



### Picote Grabber Extension 10 metres

**2370000002**

Picote Grabber Extension

Increases the reach of the Picote Grabber by 10 metres.

Includes connection piece.



### Grabber Jaw Set 1

**2370000003**

Picote Grabber Spare Part

Choose Jaw Set 1 to pick up chains and debris with good grabbing points.



### Grabber Jaw Set 2

**2370000004**

Picote Grabber Spare Part

Use Jaw Set 2 to pick up more rounded and smooth items which are harder to grip.



### Picote Large Grabber

**2370000010**

Grabber

Retrieve lost items or foreign objects.

Range: 10m. Max Range: 30m. Used with air compressor.

Comes with one set of jaws. Jaws open to max. 130mm.

Fits in DN150 or larger pipes. Max lifting weight 68kg.



### Large Grabber Jaw Set 1

**2370000011**

Large Grabber Spare Part

Includes Jaws only.

## Grabbers



### Large Grabber Extension 10m

**2370000012**

Large Grabber Spare Part  
Increases the reach of the Picote Large Grabber by 10 metres.  
Includes connection piece.



### Spare Grabber Head with Jaws

**2370000009**

Picote Grabber Spare Part



### Spare Large Grabber Head with Jaws

**2370000013**

Large Grabber Spare Part



### Spare Grabber Steering Unit

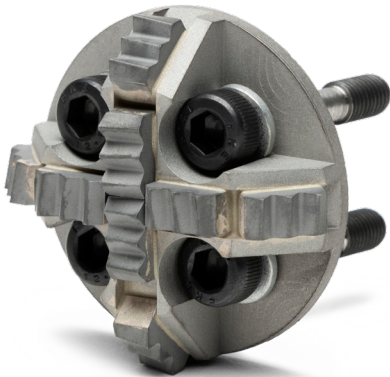
**2370000014**

Picote & Large Grabber Spare Part



## A HEAD THAT WEARS MANY HATS

The **Tiger Twister Front Drill Head** is an attachment to be used with the Tiger Twister Front Metal Panel as a centre drill. The durable, multi-use Tiger FDH can also be used with Picote's Standard Twister, Twister Liner Remover and Twister.

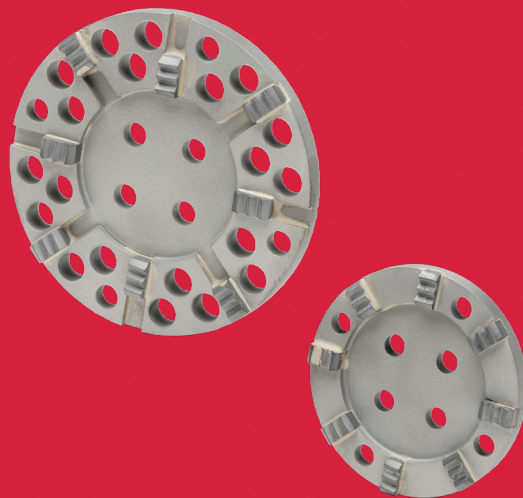


The original **Front Metal Panel** is available in 3 models: 1mm for lateral cutters, 3mm for concrete removal and 3mm for liner removal.

## FRONT PANELS & DRILL HEADS

The new **Tiger Front Metal Panel** has a precision manufactured milling plate equipped with specially hardened Tiger carbides.

The Tiger Front Metal Panel and Tiger Twister Front Drill Head can be also be added to the Smart Cutter™.





## Front Panels | Drill Heads



### Front Drill Head 75

**1300214075**

Twister Express

Spare Head for Twister Express DN100 lined.



### Front Drill Head 85

**1300214085**

Twister Express

Spare Head for Twister Express DN100 unlined.



### Front Drill Head Kit for Twister Express DN50

**1230000053**

Twister Express & Twister Mini Flexi

Replacement Front Drill Head Kit, includes Front Drill Head and front brushes.

Can also be used as a spare for Twister Mini Flexi DN50.



### Front Drill Head Kit for Twister Express DN70

**1230000073**

Twister Express & Twister Mini Flexi

Replacement Front Drill Head Kit, includes Front Drill Head and front brushes.

Can also be used as a spare for Twister Mini Flexi DN70.



### Front Drill Head Kit for Twister Express DN70 Unlined Pipe

**900000987**

Twister Express

Replacement Front Drill Head Kit for DN70 Twister Express for unlined pipe.

Includes Front Drill Head and front brush.



### Front Drill Head Kit for Twister Express DN70 Lined Pipe

**900000988**

Twister Express

Replacement Front Drill Head Kit for DN70 Twister Express for lined pipe.

Includes Front Drill Head and front brush.



### Front Metal Panel 55

**1210310055**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.

## Front Panels | Drill Heads



### Front Metal Panel 75

#### **1210310075**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 85

#### **1210310085**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 115

#### **1210310115**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



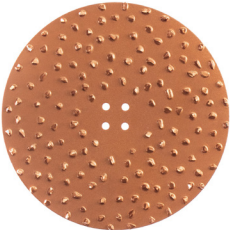
### Front Metal Panel 125

#### **1210310125**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 175

#### **1210310175**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 75 Liner Remover

#### **1210410075**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 85 Liner Remover

#### **1210410085**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.

## Front Panels | Drill Heads



### Front Metal Panel 115 Liner Remover

**1210410115**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 125 Liner Remover

**1210410125**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



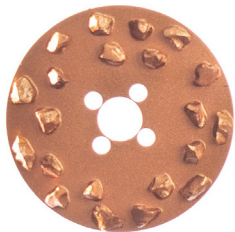
### Front Metal Panel 175 Liner Remover

**1210410175**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 75 Twister Concrete Remover

**1210510075**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 85 Twister Concrete Remover

**1210510085**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 95 Twister Concrete Remover

**1210510095**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 115 Twister Concrete Remover

**1210510115**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.

## Front Panels | Drill Heads



### Front Metal Panel 125 Twister Concrete Remover

**1210510125**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 130 Twister Concrete Remover+

**1210510130**

Twister Concrete Remover+

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for Twister Concrete Remover+ with larger carbides.



### Front Metal Panel 175 Twister Concrete Remover+

**1210510175**

Twister Concrete Remover+

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for Twister Concrete Remover+ with larger carbides.



### Front Metal Panel 200 Twister Concrete Remover+

**1210510200**

Twister Concrete Remover+

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for Twister Concrete Remover+ with larger carbides.



### Tiger Front Metal Panel 58mm for DN70

**1260000058**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 75mm for DN100

**1260000075**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 85mm for DN100

**1260000085**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



## Front Panels | Drill Heads



### Tiger Front Metal Panel 90mm for DN125

**1260000090**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 100mm for DN125

**1260000100**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 115mm for DN150

**1260000115**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 125mm for DN150

**1260000125**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 175mm for DN200

**1260000175**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 65mm

**1260000065**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



### Tiger Front Metal Panel 80mm

**1260000080**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.

## Front Panels | Drill Heads



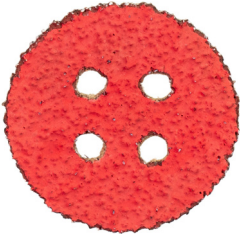
### Tiger Front Metal Panel 140mm

**1260000140**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.



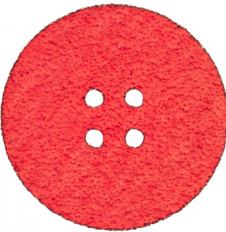
### Front Plastic Panel 55

**1220210055**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 75

**1220210075**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 85

**1220210085**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



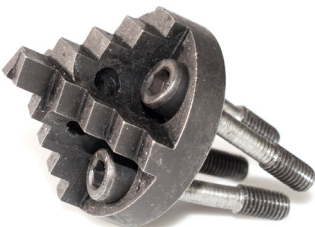
### Front Plastic Panel 125

**1220210125**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Drill Head 3 Ridged Hardened 35mm

**1300212035**

Twister & Smart Cutter™

Use with Twister with Front Metal Panels.

Also use with Smart Cutter™ with Front Metal or Front Plastic Panels.



### Front Drill Head Twister Concrete Remover

**1300215040**

Twister Concrete Remover

Use with Twister Concrete Remover with Front Metal Panels.

## Front Panels | Drill Heads



### Tiger Front Drill Head 38mm

**1260010038**

Twister & Smart Cutter™

Use with any Twister or Smart Cutter™.



### Front Drill Head 4 Flat Twister Liner Remover 40mm

**1300214040**

Twister Liner Remover

Use with Twister Liner Remover with Front Metal Panels.



### Steering Axle 55

**1100100055**

Concrete Remover Spare Part

For fine-tuning or steering tools.



### Bearing for Steering Axle

**1100200001**

Concrete Remover Spare Part

Use with Steering Axle.





## LEAD THE WAY

Leaders are pre-built, allowing the operator to quickly switch between different tooling in the field. Using Leaders saves time and extends the life of the flexible shaft.



Leaders are attached to the shaft via a shaft connector, ensuring the optimal amount of shaft is exposed outside of the outer casing. Many Picote tools can be built with Leaders, which is especially beneficial for Original Chains, Cyclone Chains and Smart Cutter™ Hubs.



Check out our video on Leaders at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)

# SHAFTS, SLEEVES & SHAFT CONNECTORS

## SHAFT LUBRICANT

Prolong the lifespan of your Miller with Picote's Flexible Shaft Lubricant. Instructions on maintaining the shaft, including how to lubricate are included in your Miller operating manuals. Further information and guides can be found on the Picote Institute:  
[www.picoteinstitute.com](http://www.picoteinstitute.com)







### 6mm Flexible Shaft

**1312020065005** 5m  
**1312020065010** 10m  
**1312020065015** 15m



### 8mm Flexible Shaft (Thick Casing)

**1312030085005** 5m  
**1312030085010** 10m  
**1312030085015** 15m  
**1312030085020** 20m



### 10mm Flexible Shaft

**1312020105005** 5m  
**1312020105010** 10m  
**1312020105015** 15m  
**1312020105020** 20m



### 12mm Flexible Shaft

**1312020125005** 5m  
**1312020125010** 10m  
**1312020125015** 15m  
**1312020125020** 20m



### 12mm Flexible Shaft (Thick Casing)

**1312021125010** 10m  
**1312021125020** 20m  
**1312021125025** 25m  
**1312021125030** 30m



### 18mm Flexible Shaft

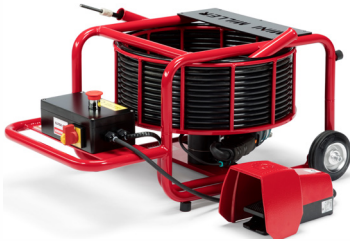
**1312021180011** 11m  
**1312021180020** 20.5m



### Shaft Outer Casing

**9331008000** Thick Outer Casing for 8mm  
**9330012000** Regular Outer Casing for 12mm  
**9331012000** Thick Outer Casing for 12mm  
**3212323196** Outer Casing for 18mm

## Shafts | Leaders | Shaft Connectors



### Miller Replacement Shaft (8mm & 10mm)

- 1312030085014** Micro Miller (13.3m)
- 1312030085017** Mini Miller (16.7m)
- 131203108517** Mini Cleaner (16.5m)
- 1312020105025** Super Midi 10mm (25m)



### Miller Replacement Shaft (12mm & 18mm)

- 1312020125013** Midi Miller (13.5m)
- 1312020125022** Super Midi (21.5m)
- 1312021125033** Maxi Miller (33m)
- 1312021180020** Maxi Power+ (20.5m)



### Shaft Socket for Drill

- 1310000065** For 6mm shaft
- 1310000085** For 8mm shaft
- 1310000105** For 10mm shaft
- 1310000125** For 12mm shaft



### Shaft Connector

- 9123050001** 8mm/8mm
- 1313002105** 10mm/10mm
- 1313002125** 12mm/12mm
- 1313002185** 18mm/18mm

- 900000336** 8mm/10mm
- 1313001285** 12mm/8mm
- 900000234** 12mm/10mm



### Sleeves

- 93212321085** For 8mm (thick casing)
- 93212322105** For 10mm casing
- 93212321125** For 12mm casing
- 93212322125** For 12mm (thick casing)



### Leaders

- 1400800500** 8mm Leader 500mm long
- 1401000500** 10mm Leader 500mm long
- 1401200500** 12mm Leader 500mm long
- 1401800500** 18mm Leader 500mm long



### Shaft Lubricant Oil

- 1350000020** Shaft Lubricant 0.5 litres
- 1350000021** Shaft Lubricant Package, includes 6 bottles

**BE PREPARED!  
HAVE SPARE PARTS  
READY TO GO**



## MILLER SPARE PARTS

Mini Cleaner | Mini Cleaner +C | Battery Mini Cleaner | Battery Mini Cleaner +C |  
Mini Miller | Mini Miller +C | Battery Mini Miller | Battery Mini Miller +C | Super Midi  
Miller | Maxi Miller | Maxi Plus Miller | Maxi Miller Power+



### SAFETY CLUTCH

The Safety Clutch for the Mini Miller and Mini Miller +C has a White Silicone Spring and the safety clutch for the Mini Cleaner and Mini Cleaner +C has a Red Silicone Spring. These parts can be easily replaced by following installation instructions included in the relevant operating manual which can be found in the Resources section of the Picote Institute: [www.picoteinstitute.com](http://www.picoteinstitute.com)

## Miller Spare Parts



### Mini Cleaner/Mini Miller Handle Upgrade Kit

**9530000045**

Mini Miller & Mini Cleaner Handle

Add the foldable handle to your older style Mini Miller or Mini Cleaner with the Handle Upgrade Kit to make transporting your Miller easier.

### Mini Cleaner +C Upgrade Kit

**3540001000EU (230v) 3540001000UK (110v)**

Mini Miller & Mini Cleaner

Upgrade Mini Miller or Mini Cleaner with a camera that makes viewing of cleaning and cutting easier. Camera cable: 30m Screen size: 17.8cm Colour Monitor

Camera Head: 14mm Lighting: 8 LEDs with brightness control

Digital footage counter, stainless steel camera head (IP68).

### Mini Miller +C Upgrade Kit

**3540002000EU (230v) 3540002000UK (110v)**

Mini Miller & Mini Cleaner

Upgrade Mini Miller or Mini Cleaner with a camera that makes viewing of cleaning and cutting easier. Camera cable: 30m Screen size: 17.8cm Colour Monitor

Camera Head: 23mm (self levelling) Lighting: 12 LEDs with brightness control

Digital footage counter, stainless steel camera head (IP68).

### Strain Relief Mini Miller 8mm Thick Casing

**9530000134**

Mini Miller

For older style Mini Miller without Safety Clutch.

### Strain Relief Spring Mini Miller for Safety Clutch

**9530000134-1**

Mini Miller

For Mini Miller & Mini Cleaner with Safety Clutch.

### Strain Relief Super Midi with 10mm Shaft

**9550000070**

Super Midi 10mm

Miller Spare Part.

### Strain Relief Midi Miller/Super Midi

**9550000034**

Super Midi 12mm & Midi Miller

Miller Spare Part.



## Miller Spare Parts



### Strain Relief Maxi Miller

**9560000034**

Maxi Miller  
Miller Spare Part.



### Safety Clutch Upgrade Kit for Mini Miller

**9530000041**

Mini Miller  
Upgrade older style Mini Millers to include the latest Safety Clutch.



### Mini Miller Safety Clutch

**900000856**

Mini Miller  
Miller Spare Part.



### Mini Cleaner Safety Clutch

**900001204**

Mini Cleaner  
Miller Spare Part.



### Spare Axle Package for Safety Clutches

**9530000047**

Mini Miller & Mini Cleaner  
Includes 6pcs.



### Silicone Spring for Mini Miller (White)

**900000920**

Mini Miller  
Replacement Silicone Spring (white) for Mini Miller (5 pieces).



### Silicone Spring for Mini Cleaner (Red)

**900001205**

Mini Cleaner  
Replacement Silicone Spring (red) for Mini Cleaner (5 pieces).

## Miller Spare Parts

**NEW**



### Standard Battery for Mini Cleaner & Mini Miller

**9540004013**

Battery Mini Miller & Mini Cleaner

Comes with Battery Mini Cleaner & Battery Mini Miller.

Standard Battery provides up to 3 hours of continuous work.

Weight: 3.5kg

**NEW**



### High Output Battery for Mini Cleaner & Mini Miller

**9540004035**

Battery Mini Miller & Mini Cleaner

Upgrade for Battery Mini Cleaner & Battery Mini Miller.

High Output Battery provides up to 4 hours of continuous work.

Weight: 4.1kg

**NEW**



### Spare Charger for Mini Cleaner & Mini Miller Batteries

**9540004013EU (230v) 9540004013UK (230v)**

Battery Mini Miller & Mini Cleaner

Suitable for charging Standard and High Output Batteries.

**NEW**



### Mini Reel Brake Upgrade Package

**9540000075**

Mini Miller & Mini Cleaner

For all Mini Miller and Mini Cleaner models.

With Mini Reel Brake, easily lock your Miller's reel securely in position providing Miller users additional convenience and security during transportation.

# MINI CLEANER TOOLS

▶ Check out our video of the Smart Sweeper at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)



## Smart Cutter™

For descaling and general cleaning. Also for smoothing down connections after reinstatements.



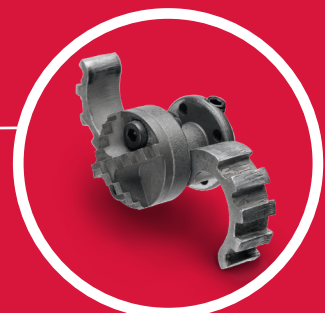
## Cleaning Chain or Brush

For descaling and general cleaning. Cleaning Brushes are suitable for very fragile pipes.



## Special Drill Head

For cleaning and reinstatements.



## Mini Smart Sweeper

For removing hard scale or breaking up FOGs from inside the pipe.



## Twister Mini Flexi

Open lateral connections fast, even through P-traps. Available for DN50 or DN70 pipes.

## Mini Cleaner Tools



### Mini Cleaner

**3540000816 (230v) 3540000816UK (110v)**

Cleaning & Cutting (8mm Shaft)

Includes Cleaning Tools Package DN32-40 (3540000816TK).

High speed cleaning & cutting DN32-75. Highly flexible shaft/casing. 500-2900rpm.

Range 16m. Weight 26.5kg.



### Cleaning Tools Package

**3540000816TK**

Cleaning (8mm Shaft)

Toolkit for DN32-40 pipes. Includes Smart Cleaner Hub, Cleaning Panels DN32-DN40 Package, Cleaning Chains DN32-DN40 & Cleaning Brushes DN32-DN40.



### Smart Cleaner Hub DN32-40 (8.5x18x25) - 8mm Shaft

**1000818025**

Cleaning & Cutting (8mm Shaft)

Use with Side Grinding Panels with no wedge.



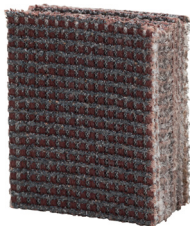
### Cleaning Panel DN32 Package (35x45 No Wedge)

**1241035045**

Cleaning (8mm Shaft)

Panels for Mini Cleaner. More gentle option for cleaning plastic pipes.

Sold in packages of 12 panels.



### Cleaning Panel DN40 Package (40x50 No Wedge)

**1241040050**

Cleaning (8mm Shaft)

Panels for Mini Cleaner. More gentle option for cleaning plastic pipes.

Sold in packages of 12 panels.



### Cleaning Chain DN32 - 8mm Shaft

**1381084032**

Cleaning (8mm Shaft)

No carbides. For Mini Cleaner.



### Cleaning Chain DN40 - 8mm Shaft

**1381084040**

Cleaning (8mm Shaft)

No carbides. For Mini Cleaner.



## Mini Cleaner Tools



### Cleaning Brush DN32 - 8mm Shaft

**2125000032CL**

Cleaning (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.



### Cleaning Brush DN40 - 8mm Shaft

**2125000040CL**

Cleaning (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.



### Mini Cleaner Replacement Shaft & Casing 16.5m

**131203108517**

Mini Cleaner Spare Part

Replacement shaft and outer spring casing for Mini Cleaner.



### Mini Cleaner Shaft Spring Casing 16.5m

**9311713099**

Mini Cleaner Spare Part

Replacement spring outer casing for Mini Cleaner.



### Silicone Spring Package for Mini Cleaner

**900001205**

Mini Cleaner Spare Part

Replacement silicone spring (Red) for Mini Cleaner (5 pieces).



### Cyclone PVC Chain DN70 - 8mm Shaft

**1381084070P**

Cleaning (8mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay.



### Cyclone PVC Chain DN100 - 8mm Shaft

**1381084100P**

Cleaning (8mm Shaft)

No carbides. Self-centering, general cleaning chain for descaling and removing light roots in fragile pipes such as plastic, copper and clay. Used with a Mini Cleaner for special cases such as cleaning stack pipe through non-siphonic toilets.

## Mini Cleaner Tools



### Original PVC Chain DN50 - 8mm Shaft

#### **1380084050P**

Cleaning (8mm Shaft)

No carbides. General cleaning chain to restore flow quickly and safely or to remove light roots in fragile pipes such as plastic, copper and clay.



### Tiger Original Chain DN50 - 8mm Shaft

#### **1380084050V**

Cleaning (8mm Shaft)

Developed for aggressive cleaning. Equipped with extra-hard carbide teeth, they shred through tough obstacles.



### Tiger Drill Chain DN75 - 8mm Shaft

#### **1380084070VP**

Cleaning (8mm Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to help cut through roots.



### Tiger Cyclone Chain DN75 - 8mm Shaft

#### **1381084075V**

Cleaning (8mm Shaft)

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth. Centrifugal force centers the tool inside the pipe, providing greater protection for damaged or fragile pipes.

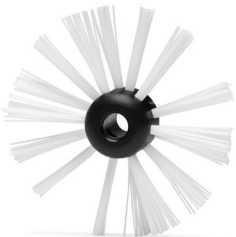


### Coating/Cleaning Brush DN50 - 8mm Shaft

#### **2120000075**

Cleaning (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

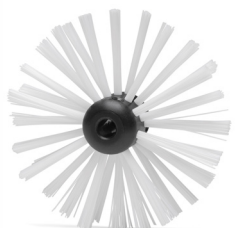


### Coating/Cleaning Brush DN70 - 8mm Shaft

#### **2120000100**

Cleaning (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.



### Coating/Cleaning Brush DN100 - 8mm Shaft

#### **2120000125**

Cleaning (8mm Shaft)

Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes.

## Mini Cleaner Tools



### Side Grinding Panel DN32 Package (25x40 No Wedge)

**1202025040**

Cleaning & Cutting (8mm Shaft)  
Sold in packages of 12 panels.



### Side Grinding Panel DN40 Package (30x50 No Wedge)

**1202030050**

Cleaning & Cutting (8mm Shaft)  
Sold in packages of 12 panels.



### Mini Smart Sweeper DN40-50 - 8mm Shaft

**1360080050**

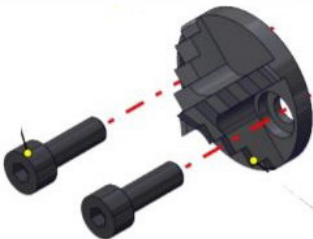
Cleaning (8mm Shaft)  
Revolutionary solution for DN40-50 pipes. Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite & mineral/uranic scale in cast iron, concrete, clay, & PVC pipes. Includes 1x Front Drill Head 25mm & Hub Disc DN50.



### Mini Smart Sweeper DN70-75 - 8mm Shaft

**1360080075**

Cleaning (8mm Shaft)  
Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. Includes 1x Front Drill Head 40mm & Hub Disc DN70-75.



### Front Drill Head 25mm

**1300212025**

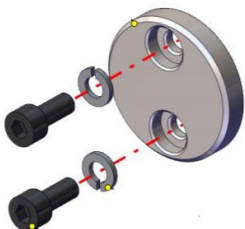
Cleaning (8mm Shaft)  
Spare drill head for Smart Sweeper DN50.



### Front Drill Head 40mm

**1300214042**

Cleaning (8mm Shaft)  
For Smart Sweeper DN70-75 (Flat 35-40mm No Thread).  
Can also be used with a DN100 Smart Sweeper and DN100 & DN150 Smart Spiders.

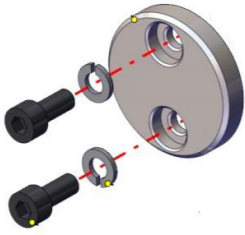


### Hub Disc for Smart Sweeper DN50

**1000200025**

Sweeper Spare Part  
Hub Disc for Smart Sweeper DN50 with screws.

## Mini Cleaner Tools



### Hub Disc for Smart Sweeper DN70-75

**1360080002**

Sweeper Spare Part

Hub Disc for Smart Sweeper DN70-75 with screws.



### Mini Sweeper Leg DN50

**900000935**

Cleaning (8mm Shaft)

Price per Leg. (2 needed).



### Mini Sweeper Leg DN70

**900000942**

Sweeper Spare part

Price per Leg. (2 needed).



### Twister Mini Flexi DN50 - 8mm Shaft

**1230000054**

Cutting (8mm Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000053.



### Twister Mini Flexi DN70 - 8mm Shaft

**1230000074**

Cutting (8mm Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000073.



### Special Drill Head Cutter 8x20x29

**1310820029**

Cleaning & Cutting (8mm Shaft)

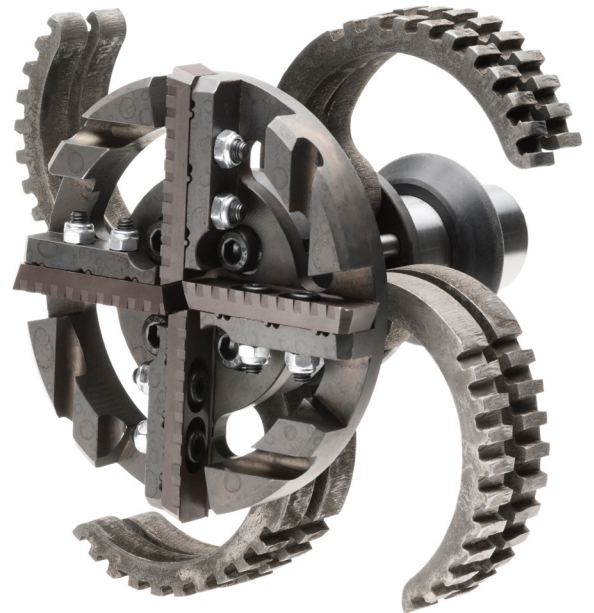
For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head.



## A POWERFUL COMBINATION FOR THE TOUGHEST JOBS

With 3-phase 400v power behind it the Maxi Power+ is a beast of a machine that gets the job done with a range of specially designed tools for:

- **Heavy Descaling**
- **Root Cutting**
- **Reinstatements**
- **Unblocking**
- **Removing:**
  - Intruding Connections & Displaced Joints
  - Concrete & Failed CIPP Linings
  - Metal Rebar
  - Pipe Bungs & Foreign Objects
- **Specialised Cleaning**
  - Silicate Deposits, Welds, Wax, Coatings



# MAXI POWER+ TOOLS

## AGGRESSIVE LINER & CONCRETE REMOVAL

The Maxi Power+ has a range of innovative tools to power through concrete or failed CIPP Linings. From DN100 in straight pipes and DN150 to DN300 for pipes with multiple bends.



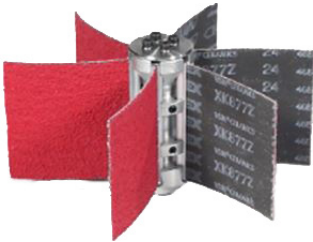


### Maxi Miller Power+

**3570032018**

18mm shaft

High speed cleaning DN100-300 & cutting DN75-300 (DN75 & 100 only for straight pipes). Range 18m. Add 2x11m extensions: Max range 40m (extensions sold separately). 500-1500rpm. Weight 129kg.



### Smart Cutter™ Hub DN100 & 150 (6 Panel) - 12mm Shaft

**1001250100A**

Smart Cutter™

6-Panel Hub, aluminium. Hub Disc XL included (1000200050)

When used with Maxi Power+ Specialised Shaft Connector 18/12 (1313001812) is needed. 12(S)x50(D)x100(L).



### Specialised Shaft Connector 18/12

**1313001812**

Smart Cutter™

For connecting 18mm to 12mm Shaft.

Use inside 6-Panel Hub (above) to connect the Hub to Maxi Power+.



### Side Grinding Panel 100x100 for 6 Panel Hub

**1202100100**

Smart Cutter™

Sold in packages of 12 panels.

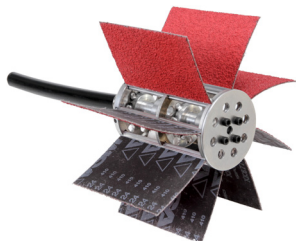


### Smart Cutter™ Hub Disc 0x50x3 XL

**1000200050**

Smart Cutter™

For Hub 12.5x50x100 (1001250100A).



### Smart Cutter™ Hub 18.5x70x150 (6 Panel)

**1001870150A**

Smart Cutter™

DN150-200 (18mm Shaft) 6-Panel Hub, aluminium. Hub Disc inc. XXL (1000200070)

A cleaning & fine-tuning tool. For reinstatements make the first initial cut with a Twister+ and follow up by grinding remaining edges with the Smart Cutter+. Also, removes inconsistencies, wrinkles and remains of failed liner. Use in cast iron, concrete, clay and PVC pipes.



### Side Grinding Panel 150x150

**1202150150**

Smart Cutter™

Sold in packages of 12 panels.



## Maxi Power+ Tools

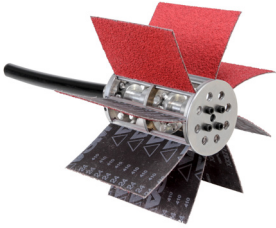


### Smart Cutter™ Hub Disc 0x70x3 XXL (6 Panel)

**1000200070**

Smart Cutter™

For Hub 18.5x70x150 (1001870150A). Hub Disc diameter 70mm (1000200070).

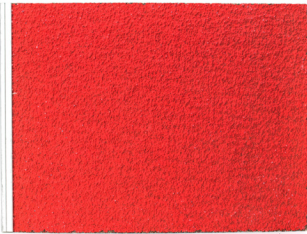


### Smart Cutter™ Hub 18.5x100x150 (8-panel)

**1021800200**

Smart Cutter™

DN200-300 (18mm Shaft) 8-Panel Hub, aluminium. Hub Disc XXXL inc. (1000200100)  
A cleaning & fine-tuning tool. For reinstatements make the first initial cut with a Twister+ and follow up by grinding remaining edges with the Smart Cutter+. Also, removes inconsistencies, wrinkles and remains of failed liner. Use in cast iron, concrete, clay and PVC pipes.

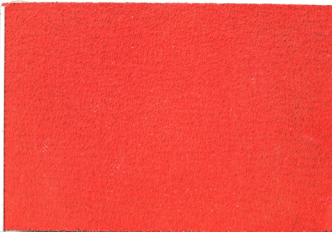


### Side Grinding Panel 150x200 for DN200-225

**1202150200**

Smart Cutter™

Sold in packages of 12 panels.



### Side Grinding Panel 150x250 for DN250-300

**1202150250**

Smart Cutter™

Sold in packages of 12 panels.

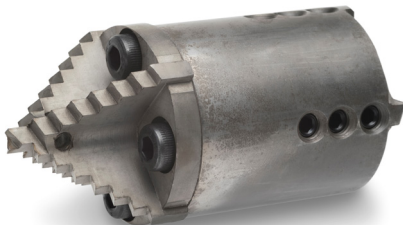


### Hub Disc 0x100x3 XXXL (8-Panel)

**1000200100**

Smart Cutter™

For Hub 18.5x100x150 (1021800200). Hub Disc diameter 100mm (1000200100).



### Smart Crusher DN70 - 18mm Shaft

**1370180070**

Liner Remover

Diameter of the Drill Head: 60mm. Only for straight pipes.  
For cast iron pipes only.



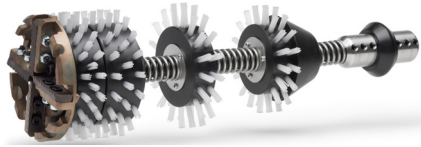
### Smart Crusher DN100 - 18mm Shaft

**1370180100**

Liner Remover

For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Cyclone Premium or Smart Cutter™.  
Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215085). For cast iron pipes only.

## Maxi Power+ Tools

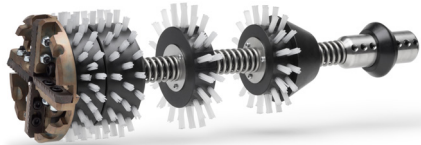


### Smart Crusher DN150 - 18mm Shaft

#### **1370180150**

##### Liner Remover

For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215130). For cast iron pipes only.

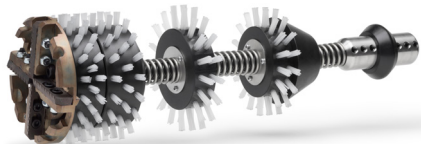


### Smart Crusher DN200 - 18mm Shaft

#### **1370180200**

##### Liner Remover

For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215175). For cast iron pipes only.



### Smart Crusher DN225 - 18mm Shaft

#### **1370180225**

##### Liner Remover

For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215200). For cast iron pipes only.



### Smart Crusher Front Drill Head DN100

#### **1300218100**

##### Smart Crusher Spare Part

Includes 4 Blades & 4 Screws. Diameter of the Drill Head: 85mm.



### Smart Crusher Front Drill Head DN150

#### **1300218150**

##### Smart Crusher Spare Part

Includes 4 Blades & 4 Screws. Diameter of the Drill Head 130mm.



### Smart Crusher Front Drill Head DN200

#### **1300218200**

##### Smart Crusher Spare Part

Includes 4 Blades & 4 Screws. Diameter of the Drill Head: 175mm.



### Smart Crusher Front Drill Head DN225

#### **1300218225**

##### Smart Crusher Spare Part

Includes 4 Blades & 4 Screws. Diameter of the Drill Head: 200mm.





### Smart Crusher Blade DN100

**900000713**

Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade DN150

**900000663**

Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade DN200

**900000709**

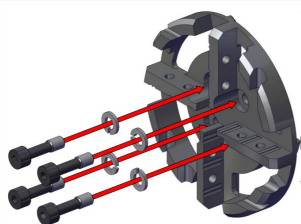
Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade DN225

**900000710**

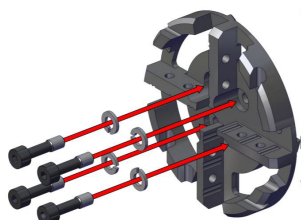
Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Screws DN100: DIN912 M5x18

**9990700026**

Smart Crusher Spare Part  
Includes 8pcs.



### Screws DN150, 200 & 225: DIN912 M6x20

**1350000140**

Smart Crusher Spare Part  
Includes 8pcs.



### Front Drill Head DN70

**1300215060**

Spare Drill Head  
Can be used with a Smart Crusher body for liner removal and in the front of the Smart Sweepers.  
Diameter of the Drill Head: 60mm.



### Front Drill Head DN100

#### **1300215085**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal and in the front of the Smart Sweepers.

Diameter of the Drill Head: 85mm.



### Front Drill Head DN150

#### **1300215130**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatement and in the front of the Smart Sweepers.

Diameter of the Drill Head: 130mm.



### Front Drill Head DN200

#### **1300215175**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatement and in the front of the Smart Sweepers.

Diameter of the Drill Head: 175mm.



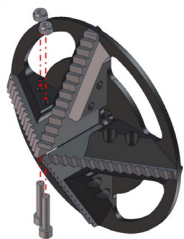
### Front Drill Head DN225

#### **1300215200**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatement and in the front of the Smart Sweepers.

Diameter of the Drill Head: 200mm.

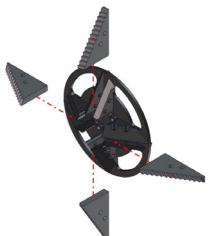


### Screws DN200 & 225/DIN912 M6x30

#### **900000723**

Front Drill Head Spare Part

Includes 8x DIN912 M6x30 screws.

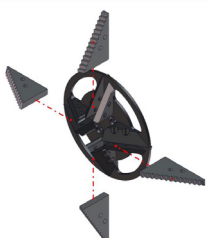


### Front Drill Head Blade DN200

#### **900000694**

Front Drill Head Spare Part

4x Blades per package. Includes screws and nuts.



### Front Drill Head Blade DN225

#### **900000716**

Front Drill Head Spare Part

4x Blades per package. Includes screws and nuts.

## Maxi Power+ Tools



### Smart Sweeper+ DN150 - 18mm Shaft

**1360180150**

Smart Sweeper+

A self-centralising and sideways grinding tool for challenging liner removal situations where the collapsed material is around the wall of the pipe. Use with the Front Drill Head to remove collapsed liner, or for situations where too big of a liner has been installed in the pipe.



### Smart Sweeper+ DN200 - 18mm Shaft

**1360180200**

Smart Sweeper+

A self-centralising and sideways grinding tool for challenging liner removal situations where the collapsed material is around the wall of the pipe. Use with the Front Drill Head to remove collapsed liner, or for situations where too big of a liner has been installed in the pipe.



### Smart Sweeper+ DN225 - 18mm Shaft

**1360180225**

Smart Sweeper+

A self-centralising and sideways grinding tool for challenging liner removal situations where the collapsed material is around the wall of the pipe. Use with the Front Drill Head to remove collapsed liner, or for situations where too big of a liner has been installed in the pipe.



### Smart Hub Disc DN150-225

**1000200059**

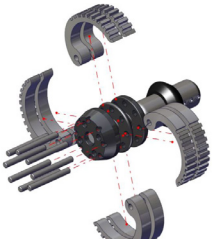
Smart Sweeper+ Spare Part  
Includes screws.



### Smart Sweeper+ DN150-225 Spare Legs

**1360180001**

Smart Sweeper+ Spare Part  
8x Legs per package. 8 needed.



### Smart Sweeper+ DN150-225 Spare Axle

**1390180004**

Smart Sweeper+ Spare Part  
8x Spare Axles per package. 8 needed.



### Twister+ DN150 - 18mm Shaft

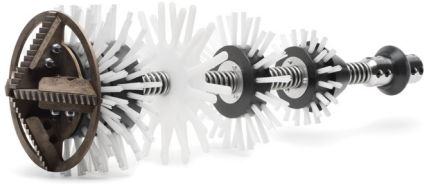
**1230130150**

Lateral Cutter

For quick reinstatements in large pipes.

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

## Maxi Power+ Tools



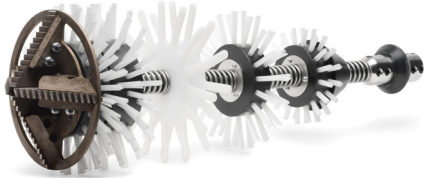
### Twister+ DN200 - 18mm Shaft

**1230175200**

Lateral Cutter

For quick reinstatements in large pipes.

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.



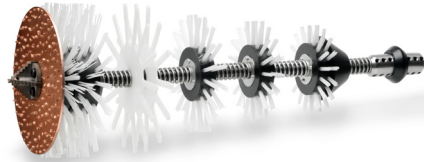
### Twister+ DN225 - 18mm Shaft

**1230200225**

Lateral Cutter

For quick reinstatements in large pipes.

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.



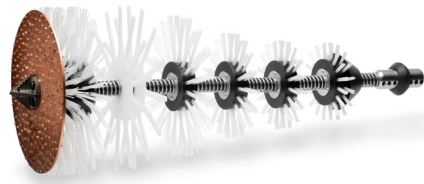
### Twister+ DN250 - 18mm Shaft

**1230225250**

Lateral Cutter

For quick reinstatements in large pipes.

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.



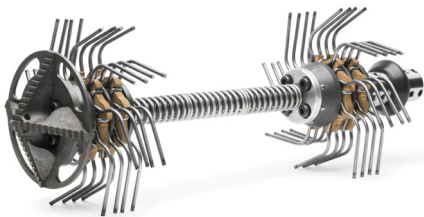
### Twister+ DN300 - 18mm Shaft

**1230275300**

Lateral Cutter

For quick reinstatements in large pipes.

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

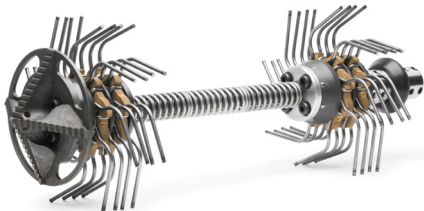


### Smart Spider+ DN150 - 18mm Shaft

**1390180150**

Cleaning

For descaling damaged pipes with missing bottoms or holes where typical chains or other descaling methods may be too aggressive, can get stuck in the missing sections or holes or can come out from the pipe. Also good for Fats, Oil & Grease (FOGs).

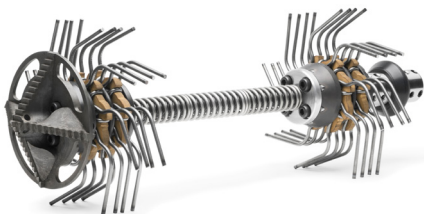


### Smart Spider+ DN200 - 18mm Shaft

**1390180200**

Cleaning

For descaling damaged pipes with missing bottoms or holes where typical chains or other descaling methods may be too aggressive, can get stuck in the missing sections or holes or can come out from the pipe. Also good for Fats, Oil & Grease (FOGs).



### Smart Spider+ DN225 - 18mm Shaft

**1390180225**

Cleaning

For descaling damaged pipes with missing bottoms or holes where typical chains or other descaling methods may be too aggressive, can get stuck in the missing sections or holes or can come out from the pipe. Also good for Fats, Oil & Grease (FOGs).





### Smart Hub Disc DN150-225

**1000200059**

Smart Spider+ Spare Part  
Includes screws.



### Smart Hub Disc with Hole DN150-225

**1000210059**

Smart Spider+ Spare Part  
Includes screws.

Used when the shaft needs to be pushed through the Smart Spider+ hub.



### DN150 Spare Smart Spider Legs

**1390180001**

Smart Spider+ Spare Part  
16 pieces per package.



### DN200 Spare Smart Spider Legs

**1390180002**

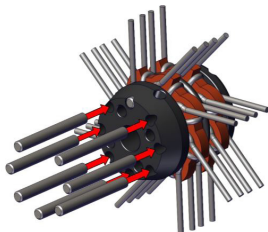
Smart Spider+ Spare Part  
16 pieces per package.



### DN225 Spare Smart Spider Legs

**1390180003**

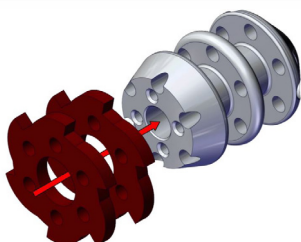
Smart Spider+ Spare Part  
16 pieces per package.



### DN150-225 Spare Smart Spider Axle

**1390180004**

Smart Spider+ Spare Part  
8 pieces per package. 8 needed.

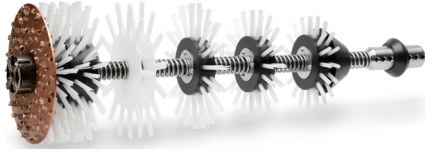


### Smart Spider Rubber Flex

**1390180005**

Smart Spider+ Spare Part  
4 pieces per package. 4 needed.

## Maxi Power+ Tools

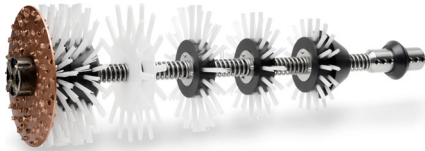


### Twister Concrete Remover+ DN150

**1234130150**

Concrete Remover (18mm Shaft)

For efficient concrete, grout, slurry & rock removal.

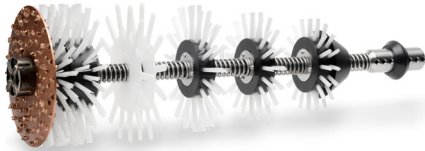


### Twister Concrete Remover+ DN200

**1234175200**

Concrete Remover (18mm Shaft)

For efficient concrete, grout, slurry & rock removal.

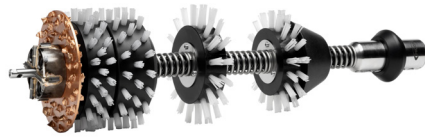


### Twister Concrete Remover+ DN225

**1234200225**

Concrete Remover (18mm Shaft)

For efficient concrete, grout, slurry & rock removal.

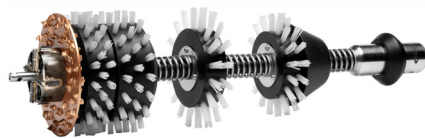


### Twister Concrete Remover+ DN150 w/Steering Axle

**1234130150SA**

Concrete Remover (18mm Shaft)

For efficient concrete, grout & slurry removal where pipe is less than 50% full of material and you have access points from both ends. Feed a pulling cable through the pipe and attach it to steering axle on the Twister.

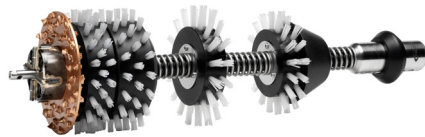


### Twister Concrete Remover+ DN200 w/Steering Axle

**1234175200SA**

Concrete Remover (18mm Shaft)

For efficient concrete, grout & slurry removal where pipe is less than 50% full of material and you have access points from both ends. Feed a pulling cable through the pipe and attach it to steering axle on the Twister.



### Twister Concrete Remover+ DN225 w/Steering Axle

**1234200225SA**

Concrete Remover (18mm Shaft)

For efficient concrete, grout & slurry removal where pipe is less than 50% full of material and you have access points from both ends. Feed a pulling cable through the pipe and attach it to steering axle on the Twister.



### Front Drill Head Concrete Remover+ 60

**1300215057**

Concrete Remover (18mm Shaft)

Used with Concrete Remover+ with Front Metal Panels.  
Diameter of the drill head is 60mm.



### Front Metal Panel 130 - Twister Concrete Remover+

#### **1210510130**

Concrete Remover (18mm Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ DN150.  
Diameter: 130mm



### Front Metal Panel 175 - Twister Concrete Remover+

#### **1210510175**

Concrete Remover (18mm Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ DN200.  
Diameter: 175mm



### Front Metal Panel 200 - Twister Concrete Remover+

#### **1210510200**

Concrete Remover (18mm Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ DN225.  
Diameter: 200mm



### Original Premium DN100 - 18mm Shaft

#### **1380185100U**

Premium (18mm Shaft)  
Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium DN125-150 - 18mm Shaft

#### **1380185150U**

Premium (18mm Shaft)  
Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium DN200 - 18mm Shaft

#### **1380185200U**

Premium (18mm Shaft)  
Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium DN225-250 - 18mm Shaft

#### **1380185250U**

Premium (18mm Shaft)  
Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Original Premium DN300 - 18mm Shaft

#### **1380185300U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain on the market. A versatile tool for cast iron pipes. For tough descaling, hard deposits and removing residual concrete or failed liner, including inconsistencies, wrinkles and remains.



### Cyclone Premium DN100 - 18mm Shaft

#### **1381185100U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium DN125 - 18mm Shaft

#### **1381185125U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium DN150 - 18mm Shaft

#### **1381185150U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium DN200 - 18mm Shaft

#### **1381185200U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium DN225 - 18mm Shaft

#### **1381185225U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Cyclone Premium DN250 - 18mm Shaft

#### **1381185250U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



## Maxi Power+ Tools



### Cyclone Premium DN300 - 18mm Shaft

#### **1381185300U**

Premium (18mm Shaft)

Larger and heavier U carbide (7-ridge) makes it stronger and faster than any other chain in the market. No need to adjust, the centrifugal force centers the tool inside the pipe. For tough descaling, hard deposits and removing residual concrete or failed liner.



### Tornado Original DN100 - 18mm Shaft

#### **1380185100T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Original DN125-150 - 18mm Shaft

#### **1380185150T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Original DN200 - 18mm Shaft

#### **1380185200T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Original DN225-250 - 18mm Shaft

#### **1380185250T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Original DN300 - 18mm Shaft

#### **1380185300T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Cyclone DN150 - 18mm Shaft

#### **1381185150T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.

## Maxi Power+ Tools



### Tornado Cyclone DN200 - 18mm Shaft

**1381185200T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Cyclone DN225 - 18mm Shaft

**1381185225T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Cyclone DN250 - 18mm Shaft

**1381185250T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Tornado Cyclone DN300 - 18mm Shaft

**1381185300T**

Tornado (18mm Shaft)

Standard Chains for use with the Maxi Power+. With strong hardened stainless steel links instead of carbides these chains are long-lasting and ideal for descaling and removing hard deposits inside cast iron pipes.



### Shaft Connector 18/18

**1313002185**

Maxi Power+ Spare Part



### Strain Relief Spring Maxi Power+

**9570000034-2**

Maxi Power+ Spare Part



### Maxi Power+ Replacement Shaft 20.5m

**1312021180020**

Maxi Power+ Spare Part



### Maxi Power+ Shaft Extension 11m

**1312021180011**

Maxi Power+ Spare Part



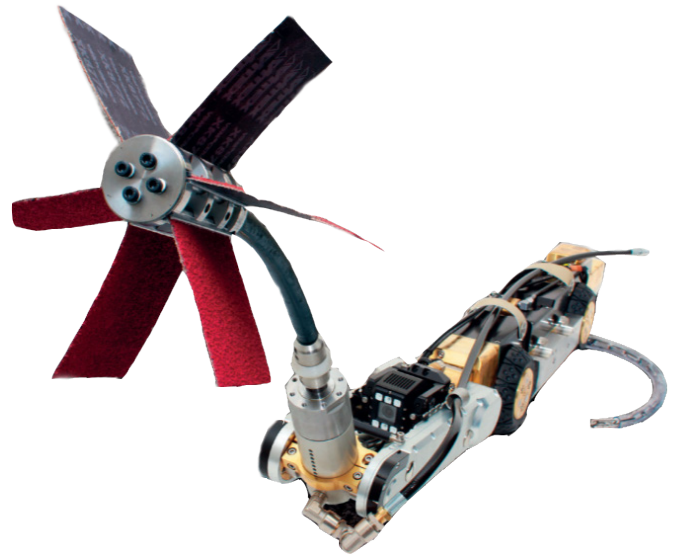
### Sleeve for 18mm Shaft Outer Casin

**93212520180SB**

Maxi Power+ Spare Part

## DON'T LIMIT YOURSELF! GO FURTHER WITH PICOTE ROBO TOOLS

Larger pipes require bigger tools and a longer reach. When this is the case, Picote has a robotic tool range that is designed to be fitted to the world renowned Schwalm Talpa Robot. Together with Schwalm's engineering team, Picote has created tools that can perform challenging tasks such as grinding, cutting and cleaning. It is also possible to grab lost items or remove obstructions with the Grabber pincher jaws mounted on board with an HD camera for precision work.



# PICOTE ROBOT TOOLS FOR SCHWALM ROBOTS

## PICOTE ROBO TOOLS

- Robo Smart Cutter™
- Robo Cyclone
- Robo Spider
- Robo Grabber





## Picote Robot Tools for Schwalm Robots



### Robo Shaft Connector M14/12mm

**1313004125**

Shaft Connector

Combine Picote tools with the Schwalm Robotic System to create a powerful and versatile solution. Go further in distance: 200m. Provide specialty services to the oil industry and for water & sewer mains.



### Robo Shaft Connector M14/18mm

**1313004185**

Shaft Connector

Combine Picote tools with the Schwalm Robotic System to create a powerful and versatile solution. Go further in distance: 200m. Provide specialty services to the oil industry and for water & sewer mains.



### Robo Cyclone DN150

**1420125150**

Cleaning Chain

Descale pipe for long distances.

Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Cyclone DN200

**1420125200**

Cleaning Chain

Descale pipe for long distances.

Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Cyclone DN250

**1420125250**

Cleaning Chain

Descale pipe for long distances.

Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



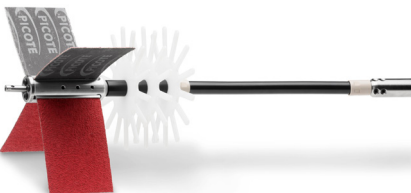
### Robo Cyclone DN300

**1420125300**

Cleaning Chain

Descale pipe for long distances.

Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Smart Cutter DN150

**1421125150**

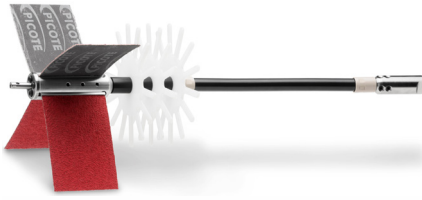
Smart Cutter™

Use the robot cutting ball and then follow up with the Smart Cutter™.

Grind away seams, welding beads and other inconsistencies in the pipe.

Steering option included.

## Picote Robot Tools for Schwalm Robots

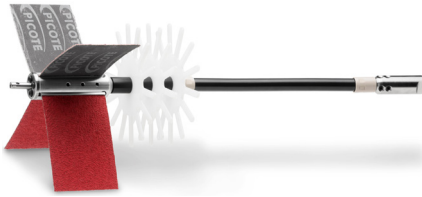


### Robo Smart Cutter DN200

**1421125200**

Smart Cutter™

Use the robot cutting ball and then follow up with the Smart Cutter™. Grind away seams, welding beads and other inconsistencies in the pipe. Steering option included.



### Robo Smart Cutter DN250

**1421125250**

Smart Cutter™

Use the robot cutting ball and then follow up with the Smart Cutter™. Grind away seams, welding beads and other inconsistencies in the pipe. Steering option included.



### Robo Smart Cutter DN300

**1421125300**

Smart Cutter™

Use the robot cutting ball and then follow up with the Smart Cutter™. Grind away seams, welding beads and other inconsistencies in the pipe. Steering option included.

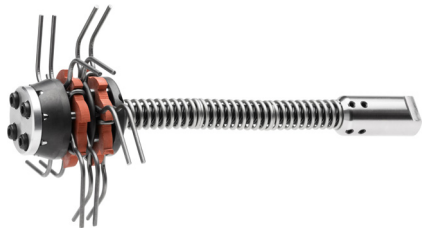


### Robo Grabber

**1423125010**

Grabber

Add a grabbing capability to your robot to remove items from hard to reach places. Reclaim a tool or item, weighing up to 35kg. Grab lost items or remove obstructions with the Grabber pincher claws mounted on board with a HD camera for precision work.



### Robo Smart Spider DN150

**1422125150**

Smart Spider

Descale fragile pipes with ease with your multi-use robot. Gentle on brass connections in water mains.



### Robo Smart Spider DN200

**1422125200**

Smart Spider

Descale fragile pipes with ease with your multi-use robot. Gentle on brass connections in water mains.



## DON'T WASTE TIME AT THE WORKSITE!

Picote offers a range of quality 'Additional Tools' selected for durability and longevity. Each product has been carefully chosen to complement your Picote Miller or Tools. Save time with Sheath Cutters, Hex Keys, Shaft Rounders, Pliers and more which you know will get the job done!



# ADDITIONAL TOOLS

## SHAFT ROUNDER

The Flexible Shaft should be inspected before every use. If damaged, the Shaft should be trimmed back. The Shaft Rounder is then used to smooth the end of the flexible shaft, preventing the user from being cut by the otherwise sharp metal edge. This also prevents the Shaft from unravelling and ensures good fit for the tools.



## Additional Tools



### Shaft Rounder

**1350000018**

Rounds sharp edges of the shaft after trimming.



### Sheath Cutter 1

**1350000006**

Used when there is no shaft in the outer casing.



### Sheath Cutter 2 (Shaft inside outer casing)

**1350000011**

Used when there is shaft inside the outer casing.



### Cutter for Side Grinding Panels

**1350000012**

Resize panels when needed. Cut off worn edges.



### Combo Hex Key 1-6mm

**1350000013**

For safely tightening 1-6mm screws.



### Hex Key 4mm, 3mm & 2.5mm

**1350000008**

For safely tightening 4mm screws.



**1350000009**

For safely tightening 3mm screws.



**1350000010**

For safely tightening 2.5mm screws.





## CERTIFIED & HANDS-ON TRAININGS

Picote has a range of face-to-face training options to help you get the most out of your equipment:

- General Training Courses** which can be tailored to suit your needs. get the most out of your Picote Miller and learn the full range of tools and possibilities..
- Certified Maxi Miller Power+ Training.**
- Certified Installer Maxi Pump or Mini Pump Picote Brush Coating™ Training.**

You will receive a **Picote ID Card** for completing Picote certified training courses, which can be used for the tendering process and on site. Digital certificates are awarded for all trainings.

# TRAINING CENTRES

ENGLAND | SCOTLAND | USA | FINLAND

## VIRTUAL COURSES

Our Team of Technical Experts are available wherever you are in the world! We offer a range of online courses to suit your requirements. With a balanced programme of presentations, live demos and an indepth Q&A, you can learn to get the most out of your Picote equipment in the convenience of your own location. Each participant will receive a digital certificate afterwards.



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