



# PRODUCT CATALOG

**6/1 – 12/31/2020**



**810-412-4740 • [www.s1eonline.com](http://www.s1eonline.com)**

# Table of Contents

Miller Range.....	3
Mini Cleaner.....	7
Maxi Power+.....	12
Starter Packages   Cutting Kits   Cleaning Kits.....	26
Cleaning Chains.....	29
Cleaning Tools.....	52
Smart Cutter™.....	57
Twisters.....	66
Front Panels   Drill Heads.....	74
Special Drill Heads.....	80
Pipe Cutter.....	84
Grabber.....	86
CIPP Lining Tools.....	88
Picote Brush Coating™.....	99
Picote Robot Tools.....	104
Shafts   Leaders   Shaft Sockets .....	106
Connection Collars   Bladders.....	108
Additional Tools.....	109

Follow us on



## Miller Range

### Mini Miller 1/3" Shaft



#### **3540000817US**

1/3" Shaft with Thick Outer Casing  
High Speed Cleaning 2-4" & Cutting 2-3" & Brush Coating 2-6"  
Range: 50ft. Max Range: 82ft. Weight: 59lbs. 500-2900rpm.  
Can be extended 32ft (1312030085010 Shaft 1/3" Thick 32ft).

Lightweight & compact while still covering a large application range. Standard safety features: mechanical safety clutch, in-line GFI, operator presence foot control, protective outer shaft casing, & an E-stop.

### Mini Cleaner 1/3" Shaft



#### **3540000816US (Cleaning Package) 3540000818US (Cutting Package)**

1/3" Shaft with Flexible Outer Casing  
High Speed Cleaning 1 1/4"-3", Cutting 1 1/4"-3" & Brush Coating 1 1/4"-3"  
Max Range: 50ft (no extension recommended). Weight: 59lbs. 500-2900rpm.

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, in-line GFI, & an E-stop.

### Super Midi 1/2" Shaft



#### **3551031220US**

1/2" Shaft with Thin Outer Casing  
High Speed Cleaning 3-6", Cutting 3-6" & Brush Coating 3-8"  
Range: 65ft Max Range: 97ft. Weight: 150lbs. 500-1500rpm.  
Can be extended 32ft (Extension: 1312020125010 Shaft 1/2" 32ft)

Offers the added strength of the 1/2" shaft with a weight of only 150lbs. It is fed by a standard wall outlet making it easy to use on almost any jobsite. Standard safety features: protective outer shaft casing, operator presence foot control, electric safety clutch, internal GFI, and an E-stop.

**Also available with 75ft of 3/8" shaft (3551031000).**

### Maxi Miller 1/2" Shaft



#### **3560032012US**

1/2" Shaft with Thick Outer Casing. **Requires a 30 Amp Non-GFI Generator/Outlet**  
High Speed Cleaning 3-10", Cutting 3-8" & Brush Coating 3-12"  
Range: 100ft. Max Range: 132ft. Weight: 196lbs. 500-1475rpm.  
Can be extended 32ft (Extension: 1312020125010 Shaft 1/2" 32ft )

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, internal GFI, and an E-stop.

### Maxi Miller Plus 1/2" Shaft



#### **3560042012US**

1/2" Shaft with Thick Outer Casing. **Separate Control Box with 16ft cord. Requires a 30 Amp Non-GFI Generator/Outlet**  
High Speed Cleaning 3-10", Cutting 3-8" & Brush Coating 3-12" Range: 100ft. Max Range: 132ft. Weight: 205lbs. 500-1475rpm. Can be extended 32ft (1312020125010)

The same great features of the Maxi Miller but with a removable control unit on a 16ft cord. Standard safety features include: protective outer shaft casing, operator presence foot control, electric safety clutch, internal GFI, and an E-stop.

## Miller Range

### Maxi Miller Power+ 3/4" Shaft



#### **3570032118US**

3/4" Shaft. **400v, 3-Phase, 30 Amp.**

High Speed Cleaning 4-12" & Cutting 3-12" (3-4" for straight pipe).

Range: 60ft. Max range: 132ft. Weight: 249lbs. 500-1500rpm.

Add 2x36ft extensions. Extension sold separately (1312021180011 Shaft 3/4" 36ft)

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, internal GFI, and E-stop. Powered by the Picote Generator or comparable unit.

### Picote Generator 400v



#### **1350000022US**

Includes a 3.3kVA portable tool transformer with a 110v 15A & 30A socket.

Weight 794lbs.

Push your Maxi Power+ to the max 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 for the tough jobs. The Picote Generator comes with a 3.3kVA portable tool transformer with a 110v 15A & 30A socket. Conveniently power all your Millers with the Generator.

### Maxi Power+ 3/4" Shaft & Picote Generator



#### **3570032118US**

3/4" Shaft.

High Speed Cleaning 4-12" & Cutting 3-12" (3-4" for straight pipe).

Range: 60ft. Max range: 132ft. Weight: 249lbs. 500-1500rpm.

Add 2x36ft extensions. Extension sold separately (1312021180011 Shaft 3/4" 36ft)

Includes a 3.3kVA portable tool transformer with a 110v 15A & 30A socket.

The Picote Generator comes with a 3.3kVA portable tool transformer with a 110v 15A & 30A socket. Conveniently power all your Millers with the Generator.

### Mini Miller +C 1/3" Shaft



#### **3540001817US**

1/3" Shaft with Thick Outer Casing. **Integrated Camera.**

High Speed Cleaning 2-4" & Cutting 2-3" & Brush Coating 2-6"

Range: 50ft. Max Range: 82ft. Weight: 59lbs. 500-2900rpm.

Diameter of camera head: 7/8", 98ft long camera cable.

Mini Miller +C features an integrated 98' color camera that makes viewing of cleaning and cutting jobs easier and helps to make Picote Brush Coating™ setup even simpler. Self-leveling camera head has a 512hz integrated sonde.

### Mini Cleaner +C 1/3" Shaft with tools



#### **3540001818US (Cleaning Package) 3540001816US (Cutting Package)**

1/3" Shaft with Flexible Outer Casing. **Integrated Camera.**

High Speed Cleaning 1 1/4"-3", Cutting 1 1/4"-3" & Brush Coating 1 1/4"-3"

Max Range: 50ft (no extension recommended). Weight: 59lbs. 500-2900rpm.

Diameter of camera head: 9/16", 98ft long camera cable.

Mini Cleaner +C features an integrated 98' color camera that makes viewing of cleaning and cutting jobs easier and helps to make Picote Brush Coating™ setup even simpler. Features a smaller color camera head that allows it to follow the Mini Cleaner through 2" P-traps & bends.

## Miller Range



### Micro/Mini Miller Handle Upgrade Kit

**9530000045**

Miller Spare Part

Add the foldable handle to your older style Mini Miller or Mini Cleaner with the handle upgrade kit to make transporting your Miller easier.



### Strain Relief Mini Miller 1/3" Thick Casing

**9530000134**

Miller Spare Part

For older style Mini Miller without safety clutch



### Strain Relief Spring Mini for Safety Clutch

**9530000134-1**

Miller Spare Part

For Mini Miller & Mini Cleaner with safety clutch



### Strain Relief Midi Miller/Super Midi

**9550000034**

Miller Spare Part



### Strain Relief Maxi Miller

**9560000034**

Miller Spare Part



### Safety Clutch Upgrade Kit for Mini Miller

**9530000041**

Miller Spare Part

Upgrade older style Mini Millers to include the latest Safety Clutch.



### Mini Miller Safety Clutch

**900000856**

Miller Spare Part

### Mini Cleaner Safety Clutch



**900001204**  
Miller Spare Part

### Silicone Spring for Mini Miller (White)



**900000920**  
Miller Spare Part  
Replacement silicone spring (white) for Mini Miller (5 pieces).

### Silicone Spring for Mini Cleaner (Red)



**900001205**  
Miller Spare Part  
Replacement silicone spring (red) for Mini Cleaner (5 pieces).

## Mini Cleaner

### Mini Cleaner US



**3540000816US (Cleaning Package) 3540000818US (Cutting Package)**  
 Cleaning & Cutting (1/3" Shaft)  
 High Speed Cleaning 1 1/4"-3", Cutting 1 1/4"-3" & Brush Coating 1 1/4"-3".  
 Max Range: 50ft (no extension recommended). Weight: 59lbs. 500-2900rpm.

### Cleaning Tools Package



**3540000818CL**  
 Cleaning (1/3" Shaft)  
 Includes 1x Smart Cleaner Hub for 1 1/4 - 1.5" Pipe - 1/3" Shaft (1000818025), 1x Side Grinding Panel 1.57" Package (1201030050), 1x Cleaning Chain 1.57" (1381084040) & 1x Front Drill Head 1" for 2" pipes (1300212025).

### Cutting Tools Package



**3540000818CU**  
 Cutting (1/3" Shaft)  
 Includes 1x Smart Sweeper Head 1.57"-2" (1360080051), 1x Smart Cleaner Hub 1.25"-1.57" (1000818025), 1x Side Grinding Panel 1.57" Package (1201030050) & Twister Mini Flexi 2" (1230000054)

### Smart Cleaner Hub 1.25 - 1.57" - 1/3" Shaft



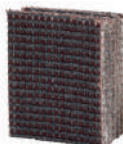
**1000818025**  
 Cleaning & Cutting (1/3" Shaft)  
 Use with Side Grinding, Polishing and Cleaning Panels with no wedge.

### Cleaning Panel 1 1/4" (1.37x1.77" No Wedge)



**1241035045**  
 Cleaning (1/3" Shaft)  
 Panels for Mini Cleaner. More gentle option for cleaning plastic pipes.  
 Sold in packages of 12 panels.

### Cleaning Panel 1 1/2" (1.57x2" No Wedge)



**1241040050**  
 Cleaning (1/3" Shaft)  
 Panels for Mini Cleaner. More gentle option for cleaning plastic pipes.  
 Sold in packages of 12 panels.

### Cleaning Chain 1 1/4 - 1/3" Shaft



**1381084032**  
 Cleaning (1/3" 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.

## Mini Cleaner

### Cleaning Chain 1.5" - 1/3" Shaft



**1381084040**

Cleaning (1/3" 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 Brush 1 1/4 - 1/3" Shaft



**2125000032CL**

Cleaning (1/3" Shaft)

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

### Cleaning Brush 1 1/2 - 1/3" Shaft



**2125000040CL**

Cleaning (1/3" Shaft)

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

### Mini Cleaner Replacement Shaft & Casing 54ft



**131203108517**

Mini Cleaner Spare Part

Replacement shaft and outer spring casing for Mini Cleaner.

### Mini Cleaner Shaft Spring Casing 54ft



**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 3" - 1/3" Shaft



**1381084070P**

Cleaning (1/3" Shaft)

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



## Mini Cleaner



### Cyclone PVC Chain 4" - 1/3" Shaft

**1381084100P**

Cleaning (1/3" Shaft)

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



### Original PVC Chain 2" - 1/3" Shaft

**1380084050P**

Cleaning (1/3" 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 2" - 1/3" Shaft

**1380084050V**

Cleaning (1/3" Shaft)

Developed for aggressive cleaning. Equipped with extra-hard carbide teeth, they shred through tough obstacles.



### Tiger Drill Chain 3" - 1/3" Shaft

**1380084070VP**

Cleaning (1/3" Shaft)

Original Tiger Chain with an integrated front drill head featuring the long lasting carbides to help cut through roots.



### Tiger Cyclone Chain 3" - 1/3" Shaft

**1381084075V**

Cleaning (1/3" 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 2" - 1/3" Shaft

**2120000075**

Cleaning (1/3" Shaft)

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



### Coating/Cleaning Brush 3" - 1/3" Shaft

**2120000100**

Cleaning (1/3" Shaft)

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

## Mini Cleaner



### Coating/Cleaning Brush 4" - 1/3" Shaft

**2120000125**

Cleaning (1/3" Shaft)

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



### Side Grinding Panel 1 1/4" (1x1.57" No Wedge)

**1202025040**

Cleaning & Cutting (1/3" Shaft)

Sold in packages of 12 panels.

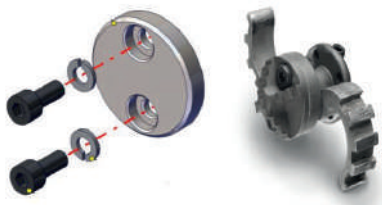


### Side Grinding Panel 1 1/2" (1.18x2" No Wedge)

**1202030050**

Cleaning & Cutting (1/3" Shaft)

Sold in packages of 12 panels.

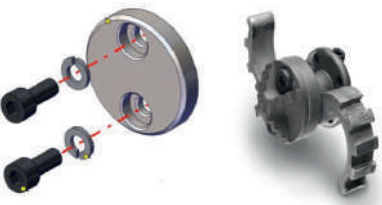


### Mini Smart Sweeper 1 1/2 - 2" - 1/3" Shaft

**1360080051**

Cleaning (1/3" Shaft)

Game changer for 1 1/2-2" 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 1" & Hub Disc 2".

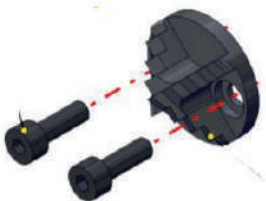


### Mini Smart Sweeper 3" - 1/3" Shaft

**1360080071**

Cleaning (1/3" 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 1.57" & Hub Disc 3".



### Front Drill Head 1" for Smart Sweeper 2"

**1300212025**

Cleaning (1/3" Shaft)

Spare drill head for Smart Sweeper 2".



### Front Drill Head 4 Flat 1.57- 2" for Smart Sweeper 3"

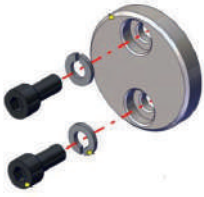
**1300214042**

Cleaning (1/3" Shaft)

For 3" Smart Sweeper (Flat 1.4"- 1.6" No Thread). Can also be used with a 4" Smart Sweeper and 4" and 6" Smart Spiders.

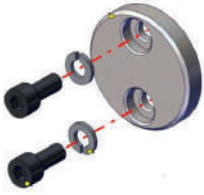
## Mini Cleaner

### Hub Disc 0x25x4 for Smart Sweeper 2"



**1000200025**  
Sweeper Spare Part  
Hub Disc for 2" Smart Sweeper with screws.

### Hub Disc for Smart Sweeper 3"



**1360080002**  
Sweeper Spare Part  
Hub Disc for 3" Smart Sweeper with screws.

### Mini Sweeper Leg 2"



**900000935**  
Cleaning (1/3" Shaft)  
Price per Leg. (2 needed for a full set).

### Mini Sweeper Leg 3"



**900000942**  
Sweeper Spare Part  
Price per Leg. (2 needed for a full set).

### Twister Mini Flexi 2" - 1/3" Shaft



**1230000054**  
Cutting (1/3" Shaft)  
For difficult reinstatements and tough blockages through multiple bends or P-traps.

### Twister Mini Flexi 3" - 1/3" Shaft



**1230000074**  
Cutting (1/3" Shaft)  
For difficult reinstatements and tough blockages through multiple bends or P-traps.

### Special Drill Head Cutter for 1 1/4 - 1 1/2" Pipe



**1310820029**  
Cleaning & Cutting (1/3" Shaft)  
For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than the physical size of drill head.

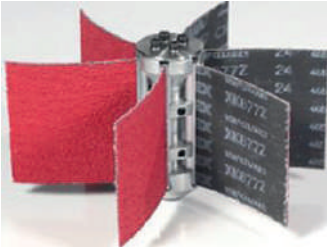


### Maxi Miller Power+ US

**3570032018US**

3/4" Shaft

High speed cleaning 4-12" & cutting 3-12" (3" & 4" only for straight pipes). 400v/3-phase/30amp. Range 60ft. Add 2x36ft extensions: max range 132ft. Extension sold separately (1312021180011 Shaft 3/4" 36ft). 500-1500rpm. Weight 249lbs.



### Smart Cutter™ Hub 4 & 6" (6-Panel) - 1/2 Shaft

**1001250100A**

Smart Cutter™ 4" (1/2" Shaft)

6-Panel Hub, aluminum. Hub Disc XL included (1000200050).

When used with Maxi Power+ Specialized Shaft Connector 3/4"-1/2" (1313001812) is needed. 12(S)x50(D)x100(L)



### Specialized Shaft Connector 3/4 - 1/2"

**1313001812**

Smart Cutter™ 4" (3/4" Shaft)

For connecting to 3/4" to 1/2" Shaft.

Used inside 6-panel hub (above) to connect the hub to Maxi Power+.



### Side Grinding Panel 4x4" for 6 Panel Hub

**1202100100**

Smart Cutter™ 4" (3/4" Shaft)

Sold in packages of 12 panels.

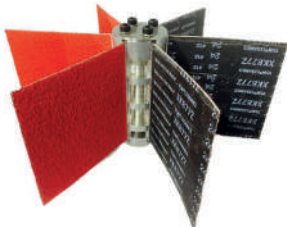


### Hub Disc 2" XL (6-panel)

**1000200050**

Smart Cutter™ 4" (3/4" Shaft)

For Hub 12.5x50x100 (1001250100A).



### Smart Cutter™ Hub 6" (6-panel)

**1001870150A**

Smart Cutter™ 6" (3/4" Shaft) Aluminum. Hub Disc XXL included (1000200070)

A cleaning & fine-tuning tool. For reinstatements make the first initial cut with a Twist-er+ 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 6x6"

**1202150150**

Smart Cutter™ 6" (3/4" Shaft)

Sold in packages of 12 panels.

### Smart Cutter™ Hub Disc 2.75" XXL (6 Panel)

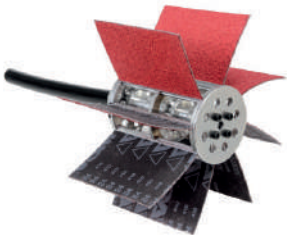


**1000200070**

Smart Cutter™ 6" (3/4" Shaft)

For Smart Cutter™ Hub 6" (6-panel) (1001870150A). Hub Disc diameter 2.75".

### Smart Cutter™ Hub 8-9" (8-panel)



**1021800200**

Smart Cutter™ 8-12" (3/4" Shaft) Aluminum. Hub Disc XXXL included (1000200100). A cleaning & fine-tuning tool. For reinstatements make the first initial cut with a Twist-er+ 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 6x8" for 8-9" Pipe



**1202150200**

Smart Cutter™ 8-12" (3/4" Shaft)

Sold in packages of 12 panels.

### Side Grinding Panel 6x10" for 10-12" Pipe



**1202150250**

Smart Cutter™ 8-12" (3/4" Shaft)

Sold in packages of 12 panels.

### Hub Disc 4" XXXL (8-Panel)



**1000200100**

Smart Cutter™ 8-12" (3/4" Shaft)

For Hub 18.5x100x150 (1021800200). Hub Disc diameter 4" (1000200100).

### Smart Crusher 3" - 3/4" Shaft



**1370180070**

Liner Remover (3/4" Shaft)

Diameter of the Drill Head: 2.36". Only for straight pipes.

For cast iron pipes only.

### Smart Crusher 4" - 3/4" Shaft



**1370180100**

Liner Remover (3/4" Shaft). Diameter of the Drill Head 3.3". For cast iron pipes only.

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 1300215060).

### Smart Crusher 6" - 3/4" Shaft



**1370180150**

Liner Remover (3/4" Shaft). Diameter of the Drill Head: 5.1". For cast iron pipes only. For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Sweeper+, Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215130).

### Smart Crusher 8" - 3/4" Shaft



**1370180200**

Liner Remover (3/4" Shaft). Diameter of the Drill Head: 7". For cast iron pipes only. For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Sweeper+, Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215175).

### Smart Crusher 9" - 3/4" Shaft



**1370180225**

Liner Remover (3/4" Shaft). Diameter of the Drill Head: 8". For cast iron pipes only. For situations where the collapse is in the center or fully collapsed. Makes the initial removal, follow up with Sweeper+, Cyclone Premium or Smart Cutter™. Front Drill Head can be used for liner that has sagged from the top (sold separately 1300215200).

### Smart Crusher Front Drill Head 4"



**1300218100**

Smart Crusher Spare Part  
Includes 4 blades & 4 screws. Diameter of the Drill Head 3.3".

### Smart Crusher Front Drill Head 6"



**1300218150**

Smart Crusher Spare Part  
Includes 4 blades & 4 screws. Diameter of the Drill Head: 5.1".

### Smart Crusher Front Drill Head 8"



**1300218200**

Smart Crusher Spare Part  
Includes 4 blades & 4 screws. Diameter of the Drill Head: 7".

### Smart Crusher Front Drill Head 9"



**1300218225**

Smart Crusher Spare Part  
Includes 4 blades & 4 screws. Diameter of the Drill Head: 8".



### Smart Crusher Blade 4"

**900000713**

Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade 6"

**900000663**

Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade 8"

**900000709**

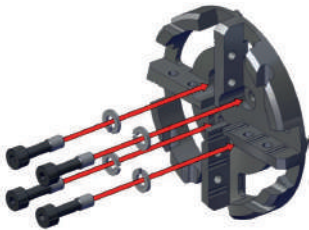
Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Smart Crusher Blade 9"

**900000710**

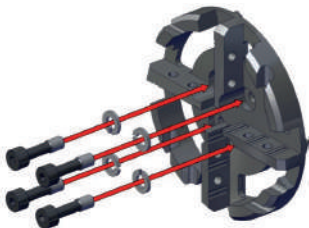
Smart Crusher Spare Part  
4pcs per package. Includes screws and nuts.



### Screws 4": DIN912 M5x18

**9990700026**

Smart Crusher Spare Part  
Includes 8pcs.



### Screws 6, 8 & 9": DIN912 M6x20

**1350000140**

Smart Crusher Spare Part  
Includes 8pcs.



### Front Drill Head 3"

**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: 2.3".



### Front Drill Head 4"

**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: 3.3".



### Front Drill Head 6"

**1300215130**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatements and in the front of the Smart Sweepers. Diameter of the Drill Head: 5.1".



### Front Drill Head 8"

**1300215175**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatements and in the front of the Smart Sweepers. Diameter of the Drill Head: 7".



### Front Drill Head 9"

**1300215200**

Spare Drill Head

Can be used with a Smart Crusher body for liner removal, Twister+ body for reinstatements and in the front of the Smart Sweepers. Diameter of the Drill Head: 8".



### Screws 8-9": DIN912 M6x30

**900000664**

Front Drill Head Spare Part

Includes 8x DIN912 M6x30 screws.



### Front Drill Head Blade 8"

**900000694**

Front Drill Head Spare Part

4x Blades per package. Includes screws and nuts.



### Front Drill Head Blade 9"

**900000716**

Front Drill Head Spare Part

4x Blades per package. Includes screws and nuts.



### Smart Sweeper+ 6" - 3/4" Shaft



**1360180150**

Smart Sweeper+ Includes Shaft Connector, Hub Disc & Front Drill Head.  
A self-centralizing 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+ 8" - 3/4" Shaft



**1360180200**

Smart Sweeper+ Includes Shaft Connector, Hub Disc & Front Drill Head.  
A self-centralizing 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+ 9" - 3/4" Shaft



**1360180225**

Smart Sweeper+ Includes Shaft Connector, Hub Disc & Front Drill Head.  
A self-centralizing 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 6-9"



**1000200059**

Smart Sweeper+ Spare Part  
Includes screws.

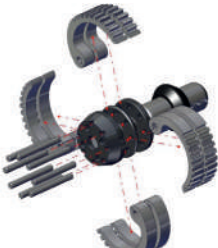
### Smart Sweeper+ 6-9" Spare Legs



**1360180001**

Smart Sweeper+ Spare Part  
8x Legs per package. 8 needed for a full set.

### Smart Sweeper+ 6-9" Spare Axle



**1390180004**

Smart Sweeper+ Spare Part  
8x Spare Axles per package. 8 needed for a full set.

### Twister+ 6" - 3/4" Shaft



**1230130150**

Reinstatements (3/4" Shaft)  
Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

### Twister+ 8" - 3/4" Shaft



**1230175200**

Reinstatements (3/4" Shaft)

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

### Twister+ 9" - 3/4" Shaft



**1230200225**

Reinstatements (3/4" Shaft)

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

### Twister+ 10" - 3/4" Shaft



**1230225250**

Reinstatements (3/4" Shaft)

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

### Twister+ 12" - 3/4" Shaft

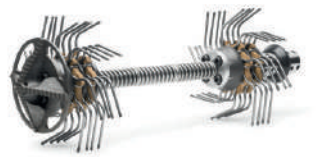


**1230275300**

Reinstatements (3/4" Shaft)

Make the first initial cut with a Twister+ and follow up by grinding remaining edges with the right size Smart Cutter+.

### Smart Spider+ 6" - 3/4" Shaft



**1390180150**

3/4" Shaft

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+ 8" - 3/4" Shaft

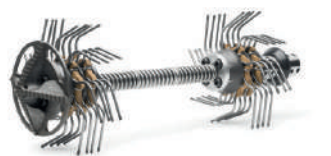


**1390180200**

3/4" Shaft

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+ 9" - 3/4" Shaft



**1390180225**

3/4" Shaft

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 6-9"



**1000200059**  
Smart Spider+ Spare Part  
Includes screws.

### Smart Hub Disc with Hole 6-9"



**1000210059**  
Smart Spider+ Spare Part  
Includes screws.  
Used when the shaft needs to be pushed through the Smart Spider+ hub.

### 6" Spare Smart Spider Legs



**1390180001**  
Smart Spider+ Spare Part  
16 pieces per package.

### 8" Spare Smart Spider Legs



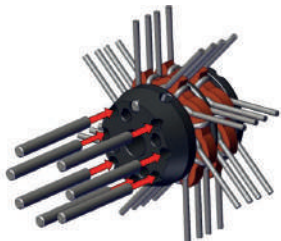
**1390180002**  
Smart Spider+ Spare Part  
16 pieces per package.

### 9" Spare Smart Spider Legs



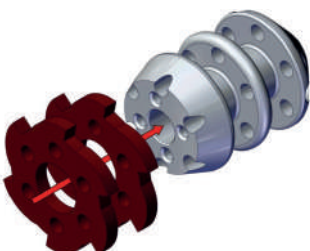
**1390180003**  
Smart Spider+ Spare Part  
16 pieces per package.

### 6-9" Spare Smart Spider Axle



**1390180004**  
Smart Spider+ and Smart Sweeper+ Spare part  
8 pieces per package. 8 needed for a full set.

### Smart Spider Rubber Flex



**1390180005**  
Smart Spider+ Spare Part  
4 pieces per package. 4 needed for a full set.

### Twister Concrete Remover+ 6"



**1234130150**

Concrete Remover (3/4" Shaft)  
For efficient concrete, grout & slurry removal.

### Twister Concrete Remover+ 8"



**1234175200**

Concrete Remover (3/4" Shaft)  
For efficient concrete, grout & slurry removal.

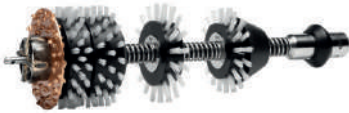
### Twister Concrete Remover+ 9"



**1234200225**

Concrete Remover (3/4" Shaft)  
For efficient concrete, grout & slurry removal.

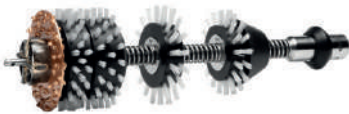
### Twister Concrete Remover+ 6" w/Steering Axle



**1234130150SA**

Concrete Remover (3/4" 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.

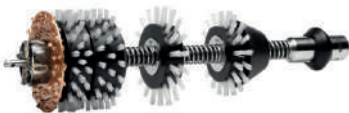
### Twister Concrete Remover+ 8" w/Steering Axle



**1234175200SA**

Concrete Remover (3/4" 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+ 9" w/Steering Axle



**1234200225SA**

Concrete Remover (3/4" 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 60 for Concrete Remover+



**1300215057**

Concrete Remover (3/4" Shaft)  
Used with Concrete Remover+ with Front Metal Panels.  
Diameter of the drill head is 2.36".



### Front Metal Panel 5.1" - Twister Concrete Remover+

**1210510130**

Concrete Remover (3/4" Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ 6"



### Front Metal Panel 6.9" - Twister Concrete Remover+

**1210510175**

Concrete Remover (3/4" Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ 8"



### Front Metal Panel 8" - Twister Concrete Remover+

**1210510200**

Concrete Remover (3/4" Shaft)  
Spare part. Panel thickness: 3mm. Grit 6.  
For Twister Concrete Remover+ 9"



### Original Premium Chain 4" - 3/4" Shaft

**1380185100U**

Premium (3/4" 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 5-6" - 3/4" Shaft

**1380185150U**

Premium (3/4" 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 8" - 3/4" Shaft

**1380185200U**

Premium (3/4" 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 9-10" - 3/4" Shaft

**1313002185**

Premium (3/4" 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 12" - 3/4" Shaft

**957000034-2**

Premium (3/4" 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 Chain 4" - 3/4" Shaft

**1312021180020**

Premium (3/4" 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 5" - 3/4" Shaft

**1312021180011**

Premium (3/4" 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 6" - 3/4" Shaft

**93212520180SB**

Premium (3/4" 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 8" - 3/4" Shaft

**1381185200U**

Premium (3/4" 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 9" - 3/4" Shaft

**1381185225U**

Premium (3/4" 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 10" - 3/4" Shaft

**1381185250U**

Premium (3/4" 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 12" - 3/4" Shaft

**1381185300U**

Premium (3/4" 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 Chain 4" - 3/4" Shaft

**1380185100T**

Tornado (3/4" 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 Chain 5-6" - 3/4" Shaft

**1380185150T**

Tornado (3/4" 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 Chain 8" - 3/4" Shaft

**1380185200T**

Tornado (3/4" 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 Chain 9-10" - 3/4" Shaft

**1380185250T**

Tornado (3/4" 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 Chain 12" - 3/4" Shaft

**1380185300T**

Tornado (3/4" 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 Chain 6" - 3/4" Shaft

**1381185150T**

Tornado (3/4" 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 Chain 8" - 3/4" Shaft

**1381185200T**

Tornado (3/4" 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 Chain 9" - 3/4" Shaft

**1381185225T**

Tornado (3/4" 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 Chain 10" - 3/4" Shaft

**1381185250T**

Tornado (3/4" 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 Chain 12" - 3/4" Shaft

**1381185300T**

Tornado (3/4" 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 3/4" to 3/4"

**1313002185**

Maxi Power+ Spare Part



### Strain Relief Spring Maxi Power+

**9570000034-2**

Maxi Power+ Spare Part



### Maxi Power+ Replacement Shaft 67ft

**1312021180020**

Maxi Power+ Spare Part





**Maxi Power+ Shaft Extension 36ft**

**1312021180011**  
Maxi Power+ Spare Part



**Sleeve for 3/4" Shaft Outer Casing**

**93212520180SB**  
Maxi Power+ Spare Part



## Picote Starter Package 4" - 1/2" Shaft

**1011000100**

Cleaning (1/2" Shaft)

4" starter kit with a Smart Cutter™ and Original & Cyclone Premium Chains.



## Picote Starter Package 6" - 1/2" Shaft

**1011000150**

Cleaning (1/2" Shaft)

6" starter kit with a Smart Cutter™ and Original & Cyclone Premium Chains



## Picote Pro Cutting Kit 2" - 1/3" Shaft

**1030008050**

Cutting (1/3" Shaft)

A customized 2" 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 two Leaders.



## Picote Pro Cutting Kit 3" - 1/3" Shaft

**1030008070**

Cutting (1/3" Shaft)

A customized 3" 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 two Leaders.



## Picote Pro Cutting Kit 3" - 1/2" Shaft

**1030012070**

Cutting (1/2" Shaft)

A customized 3" 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 4" - 1/2" Shaft

**1030012100**

Cutting (1/2" Shaft)

A customized 4" 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 6" - 1/2" Shaft

**1030012150**

Cutting (1/2" Shaft)

A customized 6" 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.



## Picote Pro Cutting Kit 8" - 1/2" Shaft

**1030012200**

Cutting (1/2" Shaft)

A customized 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 2" - 1/3" Shaft

**1020008050**

Cleaning (1/3" Shaft)

A customized 2" 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 3" - 1/3" Shaft (US)

**1020008075US**

Cleaning (1/3" Shaft)

A customized 3" 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 4" - 1/3" Shaft

**1020008100**

Cleaning (1/3" Shaft)

A customized 4" 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 3" - 1/2" Shaft (US)

**1020012075US**

Cleaning (1/2" Shaft)

A customized 3" 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 4" - 1/2" Shaft

**1020012100**

Cleaning (1/2" Shaft)

A customized 4" 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 6" - 1/2" Shaft

**1020012150**

Cleaning (1/2" Shaft)

A customized 6" 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 8" - 1/2" Shaft

**1020012200**

Cleaning (1/2" Shaft)

A customized 8" 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 - Medium (24.8"x7.9"x7.1")

**9350000201**

Tool Bag

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



### Tool Bag - Large (24.8"x12.6"x11.8")

**9350000202**

Tool Bag

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

## Cleaning Chains



### Original Standard Chain 1 1/4" - 1/4" Shaft

**1380065032**

Standard (1/4" Shaft)

An efficient cleaning chain without carbides.



### Original Standard Chain 2" (2 links) - 1/3" Shaft

**1380084050**

Standard (1/3" Shaft)

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



### Original Standard Chain 2" (3 links) - 1/3" Shaft

**1380184050**

Standard (1/3" Shaft)

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



### Original Standard Chain 3" - 1/3" Shaft

**1380084070**

Standard (1/3" Shaft)

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



### Original Standard Chain 4" - 1/3" Shaft

**1380084100**

Standard (1/3" Shaft)

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



### Original Standard Chain 5-6" - 1/3" Shaft

**1380084150**

Standard (1/3" Shaft)

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



### Original Standard Chain 3" - 3/8" Shaft

**1380105070**

Standard (3/8" Shaft)

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

## Cleaning Chains

### Original Standard Chain 4" - 3/8" Shaft



**1380105100**

Standard (3/8" Shaft)

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

### Original Standard Chain 5"-6" - 3/8" Shaft



**1380105150**

Standard (3/8" Shaft)

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

### Original Standard Chain 3" - 1/2" Shaft



**1380125070**

Standard (1/2" Shaft)

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

### Original Standard Chain 4" - 1/2" Shaft



**1380125100**

Standard (1/2" Shaft)

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

### Original Standard Chain 5-6" - 1/2" Shaft



**1380125150**

Standard (1/2" Shaft)

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

### Original Standard Chain 8" - 1/2" Shaft



**1380125200**

Standard (1/2" Shaft)

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

### Original Standard Chain 9-10" - 1/2" Shaft



**1380125225**

Standard (1/2" Shaft)

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

## Cleaning Chains



### Original Premium Chain 2'' (2 links) - 1/3'' Shaft

**1380084050U**

Premium (1/3'' 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 2'' (3 links) - 1/3'' Shaft

**1380184050U**

Premium (1/3'' 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 3'' - 1/3'' Shaft

**1380084070U**

Premium (1/3'' 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 4'' - 1/3'' Shaft

**1380084100U**

Premium (1/3'' 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 5-6'' - 1/3'' Shaft

**1380084150U**

Premium (1/3'' 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 3'' - 1/2'' Shaft

**1380125070U**

Premium (1/2'' 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 4'' - 1/2'' Shaft

**1380125100U**

Premium (1/2'' 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 5-6" - 1/2" Shaft

#### **1380125150U**

Premium (1/2" 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 8" - 1/2" Shaft

#### **1380125200U**

Premium (1/2" 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 9-10" - 1/2" Shaft

#### **1380125225U**

Premium (1/2" 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 4" - 3/4" Shaft

#### **1380185100U**

Premium (3/4" 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 5-6" - 3/4" Shaft

#### **1380185150U**

Premium (3/4" 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 8" - 3/4" Shaft

#### **1380185200U**

Premium (3/4" 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 9-10" - 3/4" Shaft

#### **1380185250U**

Premium (3/4" 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 12" - 3/4" Shaft

**1380185300U**

Premium (3/4" 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 PVC Chain 2" - 1/3" Shaft

**1380084050P**

PVC (1/3" 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 3" - 1/3" Shaft

**1380084070P**

PVC (1/3" 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 4" - 1/3" Shaft

**1380084100P**

PVC (1/3" 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 5-6" - 1/3" Shaft

**1380084150P**

PVC (1/3" 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 3" - 3/8" Shaft

**1380105070P**

PVC (3/8" 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 4" - 3/8" Shaft

**1380105100P**

PVC (3/8" 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 5-6" - 3/8" Shaft

**1380105150P**

PVC (3/8" 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 3" - 1/2" Shaft

**1380125070P**

PVC (1/2" 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 4" - 1/2" Shaft

**1380125100P**

PVC (1/2" 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 6" - 1/2" Shaft

**1380125150P**

PVC (1/2" 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 8" - 1/2" Shaft

**1380125200P**

PVC (1/2" 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.



### Cyclone Standard Chain 3" - 1/3" Shaft (US)

**1381084075**

Standard (1/3" 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 4" - 1/3" Shaft

**1381084100**

Standard (1/3" 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 5" - 1/3" Shaft

**1381084125**

Standard (1/3" 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 6" - 1/3" Shaft

**1381084150**

Standard (1/3" 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 3" - 3/8" Shaft

**1381105070**

Standard (3/8" 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 4" - 3/8" Shaft

**1381105100**

Standard (3/8" 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 5" - 3/8" Shaft

**1381105125**

Standard (3/8" 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 6" - 3/8" Shaft

**1381105150**

Standard (3/8" 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 3" - 1/2" Shaft (US)

**1381125075**

Standard (1/2" 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 4" - 1/2" Shaft

**1381125100**

Standard (1/2" 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 5" - 1/2" Shaft

**1381125125**

Standard (1/2" 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 6" - 1/2" Shaft

**1381125150**

Standard (1/2" 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 8" - 1/2" Shaft

**1381125200**

Standard (1/2" 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 9" - 1/2" Shaft

**1381125225**

Standard (1/2" 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 10" - 1/2" Shaft

**1381125250**

Standard (1/2" 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 3" - 1/3" Shaft (US)

**1381084075U**

Premium (1/3" 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 4" - 1/3" Shaft

#### **1381084100U**

Premium (1/3" 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 5" - 1/3" Shaft

#### **1381084125U**

Premium (1/3" 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 3" - 1/2" Shaft (US)

#### **1381125075U**

Premium (1/2" 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 4" Chain - 1/2" Shaft

#### **1381125100U**

Premium (1/2" 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 5" - 1/2" Shaft

#### **1381125125U**

Premium (1/2" 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 6" - 1/2" Shaft

#### **1381125150U**

Premium (1/2" 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.



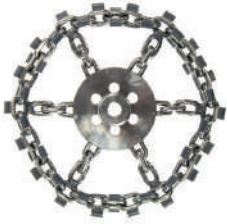
### Cyclone Premium Chain 8" - 1/2" Shaft

#### **1381125200U**

Premium (1/2" 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 10" - 1/2" Shaft

**1381125225U**

Premium (1/2" 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 12" - 1/2" Shaft

**1381125250U**

Premium (1/2" 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 4" - 3/4" Shaft

**1381185100U**

Premium (3/4" 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 5" - 3/4" Shaft

**1381185125U**

Premium (3/4" 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 6" - 3/4" Shaft

**1381185150U**

Premium (3/4" 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 8" - 3/4" Shaft

**1381185200U**

Premium (3/4" 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 9" - 3/4" Shaft

**1381185225U**

Premium (3/4" 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 10" - 3/4" Shaft

**1381185250U**

Premium (3/4" 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 12" - 3/4" Shaft

**1381185300U**

Premium (3/4" 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 3" - 1/3" Shaft (US)

**1381084075P**

PVC (1/3" 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 4" - 1/3" Shaft

**1381084100P**

PVC (1/3" 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 5" - 1/3" Shaft

**1381084125P**

PVC (1/3" 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 3" - 3/8" Shaft

**1381105070P**

PVC (3/8" 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 4" - 3/8" Shaft

**1381105100P**

PVC (3/8" 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 5" - 3/8" Shaft

**1381105125P**

PVC (3/8" 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 6" - 3/8" Shaft

**1381105150P**

PVC (3/8" 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 3" - 1/2" Shaft (US)

**1381125075P**

PVC (1/2" 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 4" - 1/2" Shaft

**1381125100P**

PVC (1/2" 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 5" - 1/2" Shaft

**1381125125P**

PVC (1/2" 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 6" - 1/2" Shaft

**1381125150P**

PVC (1/2" 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 8" - 1/2" Shaft

**1381125200P**

PVC (1/2" 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



### Tornado Original Chain 4" - 3/4" Shaft

**1380185100T**

Tornado (3/4" 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 Chain 5-6" - 3/4" Shaft

**1380185150T**

Tornado (3/4" 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 Chain 8" - 3/4" Shaft

**1380185200T**

Tornado (3/4" 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 Chain 9-10" - 3/4" Shaft

**1380185250T**

Tornado (3/4" 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 Chain 12" - 3/4" Shaft

**1380185300T**

Tornado (3/4" 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 Chain 6" - 3/4" Shaft

**1381185150T**

Tornado (3/4" 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 Chain 8" - 3/4" Shaft

**1381185200T**

Tornado (3/4" 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 Chain 9" - 3/4" Shaft



**1381185225T**

Tornado (3/4" 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 Chain 10" - 3/4" Shaft



**1381185250T**

Tornado (3/4" 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 Chain 12" - 3/4" Shaft



**1381185300T**

Tornado (3/4" 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.

## 3D Premium Chain 2-3" w/Leader - 1/3" Shaft



**1382005070**

Premium (1/3" 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 Leader.

## 3D Premium Chain 3-4" w/Leader - 1/3" Shaft



**1382070100**

Premium (1/3" 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 Leader.

## 3D Premium Chain 3-4" w/Leader - 1/2" Shaft



**1383070100**

Premium (1/2" 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 Leader.

## 3D Premium Chain 4-6" w/Leader - 1/2" Shaft



**1383100150**

Premium (1/2" 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 Leader.

## Cleaning Chains

### Spare Chain - 3D Premium 2-3" - 1/3" Shaft



**1380084050D**

Spare Part 3D Chain

Replacement 3D Premium Chain - U carbide (7-ridge). Chain only.

### Spare Chain - 3D Premium 3-4" - 1/3" Shaft



**1380084070D**

Spare Part 3D Chain

Replacement 3D Premium Chain - U carbide (7-ridge). Chain only.

### Spare Chain - 3D Premium 3-4" - 1/2" Shaft



**1380125070D**

Spare Part 3D Chain

Replacement 3D Premium Chain - U carbide (7-ridge). Chain only.

### Spare Chain - 3D Premium 4-6" - 1/2" Shaft



**1380125100D**

Spare Part 3D Chain

Replacement 3D Premium Chain - U carbide (7-ridge). Chain only.

### Spare Spring - 3D Premium 2-3" - 1/3" Shaft



**9380000054**

Spare Part 3D Chain

Spare Spring for 3D Chain.

### Spare Spring - 3D Premium 3-4" - 1/3" Shaft



**9380000055**

Spare Part 3D Chain

Spare Spring for 3D Chain.

### Spare Spring - 3D Premium 3-4" - 1/2" Shaft

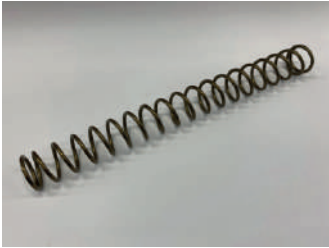


**9380000056**

Spare Part 3D Chain

Spare Spring for 3D Chain.

## Cleaning Chains



### Spare Spring - 3D Premium 4-6" - 1/2" Shaft

**9380000057**

Spare Part 3D Chain  
Spare Spring for 3D Chain.



### Spare Leader- 3D Premium 2-3" - 1/3" Shaft

**1382005071**

Spare Part 3D Chain  
Spare Leader (includes the shaft, casing and sleeve bearings).



### Spare Leader - 3D Premium 3-4" - 1/3" Shaft

**1382070101**

Spare Part 3D Chain  
Spare Leader (includes the shaft, casing and sleeve bearings).



### Spare Leader - 3D Premium 3-4" - 1/2" Shaft

**1383070101**

Spare Part 3D Chain  
Spare Leader (includes the shaft, casing and sleeve bearings).



### Spare Leader - 3D Premium 4-6" - 1/2" Shaft

**1383100151**

Spare Part 3D Chain  
Spare Leader (includes the shaft, casing and sleeve bearings).



### 3D PVC Chain 2-3" w/Leader - 1/3" Shaft

**1382005070P**

PVC (1/3" 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 Leader.



### 3D PVC Chain 3-4" w/Leader - 1/3" Shaft

**1382070100P**

PVC (1/3" 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 Leader.

## Cleaning Chains

### 3D PVC Chain 3-4" w/Leader - 1/2" Shaft



**1383070100P**

PVC (1/2" 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 Leader.

### Spare Chain - 3D PVC Chain 2-3" - 1/3" Shaft



**1380084050DP**

Spare Part 3D Chain

Replacement 3D PVC Chain for 1/3" Shaft.

### Spare Chain - 3D PVC Chain 3-4" - 1/3" Shaft



**1380084070DP**

Spare Part 3D Chain

Replacement 3D PVC Chain for 1/3" Shaft.

### Spare Chain - 3D PVC Chain 3-4" - 1/2" Shaft



**1380125070DP**

Spare Part 3D Chain

Replacement 3D PVC Chain for 1/2" Shaft.

### Spare Spring - 3D PVC Chain 2-3" - 1/3" Shaft



**9380000058**

Spare Part 3D Chain

Spare Spring for 3D Chain for 1/3" Shaft.

### Spare Spring - 3D PVC Chain 3-4" - 1/3" Shaft



**9380000059**

Spare Part 3D Chain

Spare Spring for 3D Chain for 1/3" Shaft.

### Spare Spring - 3D PVC Chain 3-4" - 1/2" Shaft



**9380000070**

Spare Part 3D Chain

Spare Spring for 3D Chain for 1/2" Shaft

## Cleaning Chains

### Spare Leader - 3D PVC Chain 2-3" - 1/3" Shaft



**1382005071P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D PVC Chain 3-4" - 1/3" Shaft



**1382070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Spare Leader - 3D PVC Chain 3-4" - 1/2" Shaft



**1383070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.

### Tiger Original Chain 2" - 1/3" Shaft



**1380084050V**

Tiger (1/3" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 3" - 1/3" Shaft



**1380084070V**

Tiger (1/3" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 4" - 1/3" Shaft



**1380084100V**

Tiger (1/3" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 6" - 1/3" Shaft



**1380084150V**

Tiger (1/3" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

## Cleaning Chains

### Tiger Original Chain 3" - 3/8" Shaft



**1380105070V**

Tiger (3/8" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 4" - 3/8" Shaft



**1380105100V**

Tiger (3/8" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 6" - 3/8" Shaft



**1380105150V**

Tiger (3/8" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 8" - 3/8" Shaft



**1380105200V**

Tiger (3/8" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 3" - 1/2" Shaft



**1380125070V**

Tiger (1/2" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 4" - 1/2" Shaft



**1380125100V**

Tiger (1/2" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 6" - 1/2" Shaft



**1380125150V**

Tiger (1/2" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 8" - 1/2" Shaft



**1380125200V**

Tiger (1/2" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Original Chain 9-10" - 1/2" Shaft



**1380125250V**

Tiger (1/2" Shaft)

Developed for aggressive cleaning and liner removal jobs. Equipped with extra-hard carbide teeth, they shred through tough obstacles.

### Tiger Drill Chain 3" - 1/3" Shaft



**1380084070VP**

Tiger (1/3" Shaft)

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

### Tiger Drill Chain 4" - 1/3" Shaft



**1380084100VP**

Tiger (1/3" Shaft)

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

### Tiger Drill Chain 3" - 3/8" Shaft



**1380105070VP**

Tiger (3/8" Shaft)

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

### Tiger Drill Chain 4" - 3/8" Shaft



**1380105100VP**

Tiger (3/8" Shaft)

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

### Tiger Drill Chain 6" - 3/8" Shaft



**1380105150VP**

Tiger (3/8" Shaft)

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



## Cleaning Chains

### Tiger Drill Chain 8" - 3/8" Shaft



**1380105200VP**

Tiger (3/8" Shaft)

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

### Tiger Drill Chain 3" - 1/2" Shaft



**1380125070VP**

Tiger (1/2" Shaft)

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

### Tiger Drill Chain 4" - 1/2" Shaft



**1380125100VP**

Tiger (1/2" Shaft)

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

### Tiger Drill Chain 6" - 1/2" Shaft



**1380125150VP**

Tiger (1/2" Shaft)

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

### Tiger Drill Chain 8" - 1/2" Shaft



**1380125200VP**

Tiger (1/2" Shaft)

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

### Tiger Drill Chain 9"-10" - 1/2" Shaft



**1380125250VP**

Tiger (1/2" Shaft)

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

### Tiger Cyclone Chain 3" - 1/3" Shaft



**1381084075V**

Tiger (1/3" 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 4" - 1/3" Shaft

**1381084100V**

Tiger (1/3" 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 6" - 1/3" Shaft

**1381084150V**

Tiger (1/3" 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 3" - 3/8" Shaft

**1381105075V**

Tiger (3/8" 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 4" 3/8" Shaft

**1381105100V**

Tiger (3/8" 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 6" - 3/8" Shaft

**1381105150V**

Tiger (3/8" 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 8" - 3/8" Shaft

**1381105200V**

Tiger (3/8" 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 3" - 1/2" Shaft

**1381125075V**

Tiger (1/2" 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 4" - 1/2" Shaft

**1381125100V**

Tiger (1/2" 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 6" - 1/2" Shaft

**1381125150V**

Tiger (1/2" 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 8" - 1/2" Shaft

**1381125200V**

Tiger (1/2" 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 10" - 1/2" Shaft

**1381125250V**

Tiger (1/2" 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 Tools



### Wire Cleaning Brush 2" - 1/3" Shaft

**2125000050CL**

Cleaning (1/3" 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 3" - 1/3" Shaft

**2125000075CL**

Cleaning (1/3" Shaft)

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

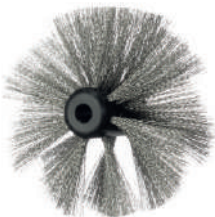


### Wire Cleaning Brush 4" - 1/3" Shaft

**2125000100CL**

Cleaning (1/3" 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 6" - 1/3" Shaft

**2125000150CL**

Cleaning (1/3" 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 4" - 1/2" Shaft

**2125012100CL**

Cleaning (1/2" Shaft)

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

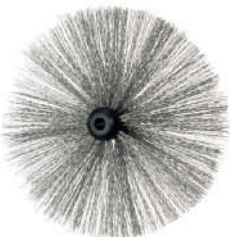


### Wire Cleaning Brush 5" - 1/2" Shaft

**2125012125CL**

Cleaning (1/2" Shaft)

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



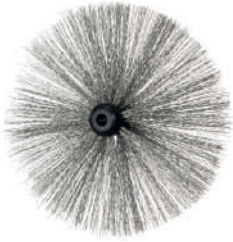
### Wire Cleaning Brush 6" - 1/2" Shaft

**2125012150CL**

Cleaning (1/2" Shaft)

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

## Cleaning Tools



### Wire Cleaning Brush 8" - 1/2" Shaft

**2125012200CL**

Cleaning (1/2" 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 9" - 1/2" Shaft

**2125012225CL**

Cleaning (1/2" 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 10" - 1/2" Shaft

**2125012250CL**

Cleaning (1/2" 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 12" - 1/2" Shaft

**2125012300CL**

Cleaning (1/2" Shaft)

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



### Cleaning Chain 1 1/4 - 1/3" Shaft

**1381084032**

Cleaning (1/3" Shaft)

Cleaning Chain without Carbides. For the Mini Cleaner.



### Cleaning Chain 1.57 - 1/3" Shaft

**1381084040**

Cleaning (1/3" Shaft)

Cleaning Chain without Carbides. For the Mini Cleaner.



### Cleaning Brush 1 1/4" - 1/3" Shaft

**2125000032CL**

Cleaning (1/3" Shaft)

Nylon Cleaning Brush. For the Mini Cleaner.

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

## Cleaning Tools



### Cleaning Brush 1.57" - 1/3" Shaft

**2125000040CL**

Cleaning (1/3" Shaft)

Nylon Cleaning Brush. For the Mini Cleaner.

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



### Twister Cleaner 4" - 1/2" Shaft

**1230085100CL**

Cleaning (1/2" Shaft)

Designed for light cleaning and working in plastic & fragile pitch fiber & Orangeburg pipe.



### Smart Spider 4" - 1/2" Shaft

**1390125102**

Cleaning (1/2" 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 6" - 1/2" Shaft

**1390125152**

Cleaning (1/2" 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 4" Legs

**1390100001**

Spider Spare Part

Spare legs (12pcs) for 4" Smart Spider (can be used with 6" Spider to change to 4" size)



### Smart Spider 6" Legs

**1390100002**

Spider Spare Part

Spare legs (12pcs) for 6" Smart Spider (can be used with 4" Spider to change to 6" size)



### Smart Spider Rubber Flex

**1390100005**

Spider Spare Part

Spare Rubber for 4" and 6" Smart Spider.

## Smart Spider Axle

**1390100004**

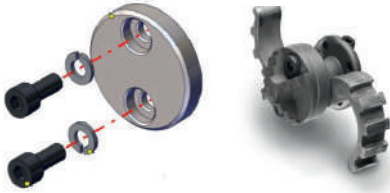
Spider Spare Part  
Spare Axle for 4" and 6" Smart Spider.



## Mini Smart Sweeper 1.5 - 2" - 1/3" Shaft

**1360080050**

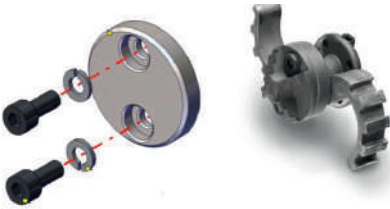
Cleaning (1/3" Shaft)  
Game changer for 1½-2" pipes. Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite, & mineral/uranic scale in cast iron, concrete, clay, & PVC pipes. Includes 1x Front Drill Head 1" & Hub Disc 2"



## Mini Smart Sweeper 3" - 1/3" Shaft

**1360080075**

Cleaning (1/3" 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 1.57" & Hub Disc 3"



## Mini Smart Sweeper 4" - 1/2" Shaft

**1360120100**

Cleaning (1/2" 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 4" - 1/2" Shaft

**1360120101**

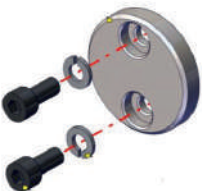
Sweeper Spare Part  
Spare Head for 4" Sweeper.



## Hub Disc for Smart Sweeper 2"

**1000200025**

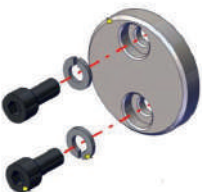
Sweeper Spare Part  
Hub Disc for 2" Smart Sweeper with Screws.



## Hub Disc for Smart Sweeper 3"

**1360080002**

Sweeper Spare Part  
Hub Disc for 3" Smart Sweeper with Screws.





### Mini Sweeper Leg 2"

**900000935**  
Sweeper Spare Part  
Price per leg (2 needed for a full set).



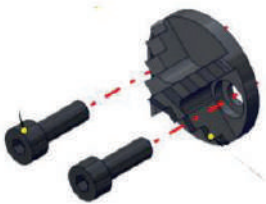
### Mini Sweeper Leg 3"

**900000942**  
Sweeper Spare Part  
Price per leg (2 needed for a full set).



### Mini Sweeper Leg 4"

**900000938**  
Sweeper Spare Part  
Price per Leg (6 needed for a full set).



### Front Drill Head 1" for Smart Sweeper 2"

**1300212025**  
Sweeper Spare Part  
Spare drill head for Smart Sweeper 2".



### Front Drill Head 4 Flat 1.57"-2" for Smart Sweeper 3"

**1300214042**  
Sweeper Spare Part  
Flat 1.4- 1.6" No Thread. Can also be used with a Mini Smart Sweeper 4" and Smart Spider 4" and 6".





**Hub .47x1" for 1¼" Pipe - 1/4" Shaft No Wedge**

**1000612025**  
2 Panel Hub with No Wedge (1/4" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .25(S)x.47(D)x.98(L)..



**Hub .6x1" for 1¼" Pipe - 1/4" Shaft No Wedge**

**1000615025**  
2 Panel Hub with No Wedge (1/4" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .25(S)x.59(D)x1(L)



**Hub .6x1.18" for 1¼" Pipe - 1/4" Shaft No Wedge**

**1000615030**  
2 Panel Hub with No Wedge (1/4" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .25(S)x.6(D)x1.18(L)



**Hub 1¼"-1.57" for 1/3" Shaft No Wedge**

**1000818025**  
2 Panel Hub with No Wedge (1/3" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .33(S)x.79(D)x1.57(L)



**Hub .8x1.57" for 2" Pipe - 1/3" Shaft No Wedge**

**1000820040**  
2 Panel Hub with No Wedge (1/3" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .33(S)x.79(D)x1.57(L)



**Hub .8x2.36" for 2-3" Pipe - 1/3" Shaft No Wedge**

**1000820060**  
2 Panel Hub with No Wedge (1/3" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .33(S)x.79(D)x2.36(L)



**Hub .8x1.57" for 2" Pipe - 3/8" Shaft No Wedge**

**1001020040**  
2 Panel Hub with No Wedge (3/8" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .39(S)x.79(D)x1.57(L)



**Hub .8x2.36" for 3" Pipe - 3/8" Shaft No Wedge**

**1001020060**

2 Panel Hub with No Wedge (3/8" Shaft)  
For use with Side Grinding Panels with no wedge.  
Measurement: .39(S)x.79(D)x2.36(L)



**Hub 2" Narrow 2W for 2-3" Pipe - 1/3" Shaft**

**1000820050**

2 Panel Hub with Wedge (1/3" Shaft)  
2" pipe. Use with Side Grinding Panel 2x4" & Hub Disc 2W.  
Measurement: .33(S)x.8(D)x2(L)



**Hub 3" Narrow 2W for 4" Pipe - 1/3" Shaft**

**1000820075**

2 Panel Hub with Wedge (1/3" Shaft)  
3" pipe. Use with Side Grinding Panel 3x5" & Hub Disc 2W.  
Measurement: .33(S)x.8(D)x3(L)



**Hub 3" Short for 3-4" Pipe - 1/3" Shaft**

**1000835050A**

4 Panel Hub with Wedge (1/3" Shaft)  
3-4" pipe. 1/3" shaft. Use with Side Grinding Panel 2x4" with wedge & Hub Disc 2W  
(diameter 1.4"). Material: Aluminum.  
Measurement: .33(S)x1.4(D)x2(L)



**Hub 3" Short for 3-4" Pipe - 3/8" Shaft**

**1001035050A**

4 Panel Hub with Wedge (1/3" Shaft)  
3-4" pipe. 1/3" shaft. Use with Side Grinding Panel 2x4" with wedge & Hub Disc 2W  
(diameter 1.4"). Material: Aluminum.  
Measurement: .39(S)x1.4(D)x2(L)



**Hub 3" Short for 3-4" Pipe - 1/2" Shaft**

**1001235050A**

4 Panel Hub with Wedge (1/2" Shaft)  
3-4" pipe. 1/2" shaft. Uses Side Grinding Panel 2-4" with wedge & Hub Disc S.  
Material: Aluminum.  
Measurement: .5(S)x1.4(D)x2(L)



**Hub 3" for 3-4" Pipe - 1/2" Shaft**

**1001235075A**

4 Panel Hub with Wedge (1/2" Shaft)  
3-4" pipe. Uses Side Grinding Panel 2x4" with wedge & Hub Disc S.  
Material: Aluminum.  
Measurement: .5(S)x1.4(D)x3(L)

**Hub 4" for 4-6" Pipe - 1/2" Shaft**



**1001240100A**

4 Panel Hub with Wedge (1/2" Shaft)  
4-6" pipe. Uses Side Grinding Panel 4x6" & Hub Disc L.  
Material: Aluminum.  
Measurement: .5(S)x1.6(D)x4(L)

**Hub 6" for 6-8" Pipe- 1/2" Shaft**



**1001240150A**

4 Panel Hub with Wedge (1/2" Shaft)  
6-8" pipe. Uses Side Grinding Panel 6"x8" & Hub Disc L.  
Material: Aluminum.  
Measurement: .5(S)x1.6(D)x6(L)

**Hub 8" for 8" Pipe - 1/2" Shaft**



**1001240200A**

4 Panel Hub with Wedge (1/2" Shaft)  
8" pipe. Uses Side Grinding Panel 8"x10" & Hub Disc L.  
Material: Aluminum.  
Measurement: .5(S)x1.6(D)x8(L)

**Hub 4-6" (6-Panel) - 1/2" Shaft**



**1001250100A**

6 Panel Hub with Wedge (1/2" Shaft)  
For 4-6" pipe. Includes Hub Disc XL. Use with Side Grinding Panel 4x4" or 4x6".  
Measurement: .5(S)x2(D)x4(L).

**Hub 6-8" (6 Panel) - 1/2" Shaft**



**1001250150A**

6 Panel Hub with Wedge (1/2" Shaft)  
For 6-8" pipe. Includes Hub Disc (XL). Use with Side Grinding Panel 6x6" or 6x8".  
Measurement: .5(S)x2(D)x6(L)

**Wedged Hub Disc - 2W**



**1000200020**

Hub Disc  
Hub Disc 2W (.8" diameter) for 2 Panel Hubs.

**Hub Disc Small**



**1000200035**

Hub Disc  
Hub Disc S (1.4" diameter) for 4 Panel Hubs.

**Hub Disc Large**



**1000200040**

Hub Disc  
Hub Disc L (1.6" diameter) for 4 Panel Hubs.

**Hub Disc XL (6-panel)**



**1000200050**

Hub Disc  
Hub Disc XL (2" diameter) for 6 Panel Hubs.

**Steering Hub Disc Small**



**1000210035**

Hub Disc  
Used with the Steering Axle.

**Steering Hub Disc Large**



**1000210040**

Hub Disc  
Used with the Steering Axle.

**Screws for Hub Disc**



**1350000100**

Hub Disc Spare Part  
Package of 12.

**Steering Axle 2.17"**



**1100100055**

Hub Disc Accessories  
For fine tuning or steering tools.

**Bearing for Steering Axle**



**1100200001**

Hub Disc Accessories  
For fine tuning or steering tools.

## Smart Steering Guide 4-6" 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 reinstatement.

## Smart Steering Guide 6-8" 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 reinstatement.

## Counter Weight - Small



**1100500040**

Hub Accessories

Fine tuning tool used to pull hub downward to remove bottom liner lip.

## Counter Weight - Large



**1100500060**

Hub Accessories

Fine tuning tool used to pull hub downward to remove bottom liner lip.

## Steering Wire 328 ft.



**1350150405**

Hub Accessories

For fine tuning or steering tools.

## Wire Hook for 1/2" Shaft



**1350000125**

Hub Accessories

Fine tuning tool used to hook onto to pull the hub upwards for removing upper liner lip.

## Wire Hook for 1/3" Shaft



**1350000085**

Hub Accessories

Fine tuning tool used to hook onto to pull the hub upwards for removing upper liner lip.

### Side Grinding Panel 1.5x2.33" No Wedge



**1202040060**

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

### Side Grinding Panel 2x4" No Wedge



**1202050100**

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

### Side Grinding Panel 2x4"



**1203050100**

Use with hubs: 2" Narrow 2W for 1/3" Shaft (1000820050), 3" Short for 1/3" Shaft (1000835050A) & 3" Short for 1/2" Shaft (1001235050A).  
Sold in packages of 12 panels.

### Side Grinding Panel 3x5"



**1202075125**

Use with hubs: 3" Narrow 2W for 1/3" Shaft (1000820075) & 3" (1001235075A).  
Sold in packages of 12 panels.

### Side Grinding Panel 4x4" for 6 Panel Hub



**1202100100**

6 Panel Smart Cutter™  
4" & 6" pipes. Use with Hub 4-6" - 6 panel (1001250100A).  
Sold in packages of 12 panels.

### Side Grinding Panel 4x6" for 4 or 6 Panel Hub



**1202100150**

4" pipe: use with Hub 4" (1001240100A). 4" & 6" pipes: use with Hub 4-6" - 6 Panel (1001250100A).  
Sold in packages of 12 panels.

### Side Grinding Panel 6x6" for 4 or 6 Panel Hub



**1202150150**

6" pipe: Hubs 6" (1001240150A) & 6" (1001870150A). 6" & 8" pipes: Hub 6-8" - 6 Panel (1001250150A).  
Sold in packages of 12 panels.



### Side Grinding Panel 6x8" for 4 or 6 Panel Hub

**1202150200**

6" pipe: use with Hub 6" (1001240150A). 6" & 8" pipes: use with Hub 6-8" 6 panel (1001250150A). 8-9" pipes: use with Hub 8-9" - 8 panel (1021800200).  
Sold in packages of 12 panels.



### Side Grinding Panel 6x10"

**1202150250**

6" pipe: use with Hub 6" (1001240150A). 6" & 8" pipes: use with Hub 6-8" 6 panel (1001250150A). 10-12" pipes: use with Hub 8-9" - 8 panel 18mm (1021800200).  
Sold in packages of 12 panels.



### Side Grinding Panel 8x12"

**1202200300**

8" pipe: use with Hub 8" (1001240200A).  
Sold in packages of 12 panels.



### Side Grinding Panel XT Rough 2x4" No Wedge

**1204050100**

XT panels have larger grit for faster results.  
Sold in packages of 12 panels. For Non-Wedge Hubs.



### Side Grinding Panel XT Rough 2x4"

**1205050100**

XT panels have larger grit for faster results. Use with hubs: 2" Narrow 2W for 2-3" Pipe - 1/3" Shaft (1000820050), Hubs 3" Short for 3-4" Pipe - 1/3" Shaft & 1/2 Shaft (1000835050A) & (1001235050A).  
Sold in packages of 12 panels.



### Side Grinding Panel XT Rough 3x5"

**1203075125**

XT panels have larger grit for faster results. Use with hubs: 3" Narrow 2W - 1/3" Shaft (1000820075) & 3" Hub for 3-4" Pipe - 1/2 Shaft (1001235075A).  
Sold in packages of 12 panels.



### Side Grinding Panel XT Rough 4x4"

**1203100100**

XT panels have larger grit for faster results. 4" & 6" pipes. Use with Hub 4 & 6" (6-Panel) - 1/2 Shaft (1001250100A).  
Sold in packages of 12 panels.

**Side Grinding Panel XT Rough 4x6"**



**1203100150**

XT panels have larger grit for faster results. 4" pipe: use with Hub 4" for 4" Pipe - 1/2 Shaft (1001240100A). 4" & 6" pipes: use with Hub 4 & 6" (6-Panel) - 1/2 Shaft (1001250100A).

Sold in packages of 12 panels.

**Side Grinding Panel XT Rough 6x6"**



**1203150150**

XT panels have larger grit for faster results. 6" pipe: Hub 6" for 6-8" Pipe - 1/2 Shaft (1001240150A) & 6" Hub (6-panel) (1001870150A). 6" and 8" pipes: use with Hub 6 & 8" (6 Panel) - 1/2 Shaft (1001250150A).

Sold in packages of 12 panels.

**Side Grinding Panel XT Rough 6x8"**



**1203150200**

XT panels have larger grit for faster results. 6" pipe: use with Hub 6" for 6-8" Pipe- 1/2 Shaft (1001240150A). 6" & 8" pipes: use with Hub 6 & 8" (6 Panel) - 1/2 Shaft (1001250150A). 8-9" pipes, use with Hub 8-9" (8-panel) (1021800200).

Sold in packages of 12 panels.

**Side Grinding Panel XT Rough 6x10"**



**1203150250**

XT panels have larger grit for faster results. 6" pipe: use with Hub 6" for 6-8" Pipe- 1/2 Shaft (1001240150A). 6" & 8": use with Hub 6 & 8" (6 Panel) - 1/2 Shaft (1001250150A). 10" & 12": use with Hub 8-9" (8-panel) (1021800200).

Sold in packages of 12 panels.

**Side Grinding Panel XT Rough 10x12"**



**1203200300**

XT panels have larger grit for faster results. DN200 pipe: use with Hub 8" for 8" Pipe - 1/2 Shaft (1001240200A).

Sold in packages of 12 panels.

**Side Grinding Panel 1.25" Package (.98x1.57" No Wedge)**



**1202025040**

Panels for Mini Cleaner.

Sold in packages of 12 panels.

**Side Grinding Panel 1.25" Package (1.18x1.97" No Wedge)**



**1202030050**

Panels for Mini Cleaner.

Sold in packages of 12 panels.



### Cleaning Panel for 1.25" pipe (1.38x1.77" No Wedge)



**1241035045**

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

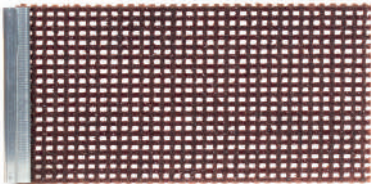
### Cleaning Panel for 1.5" pipe (1.57x1.97" No Wedge)



**1241040050**

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

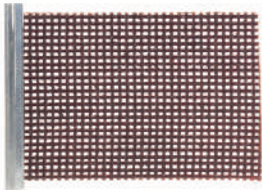
### Polishing Panel 2x4"



**1241050100**

Can be used to remove excess roughness in order to finalize CIPP lining.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

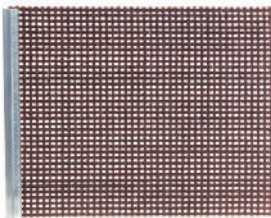
### Polishing Panel 3x4"



**1241075100**

Can be used to remove excess roughness in order to finalize CIPP lining.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

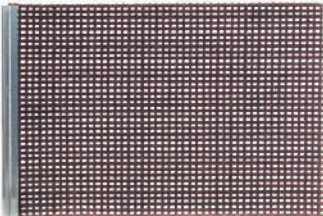
### Polishing Panel 4x5"



**1241100125**

Can be used to remove excess roughness in order to finalize CIPP lining.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

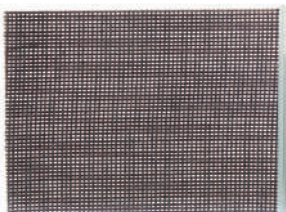
### Polishing Panel 4x6"



**1241100150**

Can be used to remove excess roughness in order to finalize CIPP lining.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

### Polishing Panel 6x8"



**1241150200**

Can be used to remove excess roughness in order to finalize CIPP lining.  
Gentle cleaning in PVC pipe in fragile situations.  
Sold in packages of 12 panels.

## Twisters

### Twister Express 4" for Lined Pipe - 1/2" Shaft



**1233075102**

Lateral Cutter (1/2" 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: 3".

### Twister Express 4" for Unlined Pipe - 1/2" Shaft



**1233085102**

Lateral Cutter (1/2" 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: 3.3".

### Front Drill Head 3"



**1300214075**

Lateral Cutter Spare Part

Spare Head for Twister Express 4" for Lined Pipe.

### Front Drill Head 3.3"



**1300214085**

Lateral Cutter Spare Part

Spare Head for Twister Express 4" for Unlined Pipe.

### Twister Express 2" - 1/3" Shaft



**1230000052**

Lateral Cutter (1/3" Shaft)

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

### Twister Express 3" - 1/3" Shaft



**1230000072**

Lateral Cutter (1/3" Shaft)

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

### Twister Express 3" Unlined Pipe - 1/2" Shaft



**1230000371**

Lateral Cutter (1/2" Shaft)

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

## Twisters

### Twister Express 3" Lined Pipe - 1/2" Shaft



**1230000471**

Lateral Cutter (1/2" 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 Kit for Twister Express 2"



**1230000053**

Lateral Cutter Spare Part

Replacement front drill head kit, includes Front Drill Head and front brushes. Can also be used as a spare for Twister Mini Flex 2".

### Front Drill Head Kit for Twister Express 3"



**1230000073**

Lateral Cutter Spare Part

Replacement front drill head kit, includes Front Drill Head and front brushes. Can also be used as a spare for Twister Mini Flexi 3".

### Front Drill Head for Twister Express 3" for Unlined Pipe



**900000987**

Lateral Cutter Spare Part

Replacement Front Drill Head kit for 3" Twister Express for unlined pipe. Includes Front Drill Head and front brushes.

### Front Drill Head for Twister Express 3" for Lined Pipe



**900000988**

Lateral Cutter Spare Part

Replacement Front Drill Head kit for 3" Twister Express for lined pipe. Includes Front Drill Head and front brushes.

### Twister Mini Flexi 2" - 1/3" Shaft



**1230000054**

Lateral Cutter (1/3" Shaft)

For difficult reinstatements through multiple bends or P-traps.

### Twister Mini Flexi 3" - 1/3" Shaft



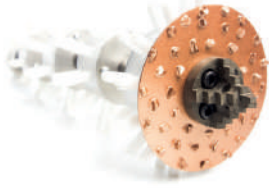
**1230000074**

Lateral Cutter (1/3" Shaft)

For difficult reinstatements through multiple bends or P-traps.

## Twisters

### Twister 4" for Lined Pipe - 1/2" Shaft

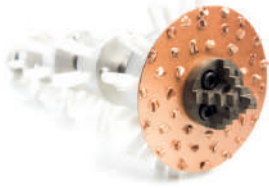


#### **1230075100Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 3", thickness 1mm. (Includes spare 3mm Front Metal Panel).  
Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe.

### Twister 4" for Unlined Pipe - 1/2" Shaft

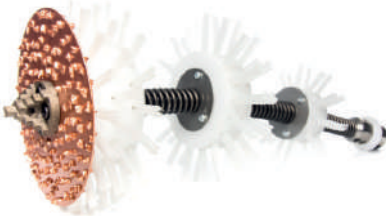


#### **1230085100Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 3.3", thickness 1mm. (Includes spare 3mm Front Metal Panel).  
Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe.

### Twister 6" for Lined Pipe - 1/2" Shaft

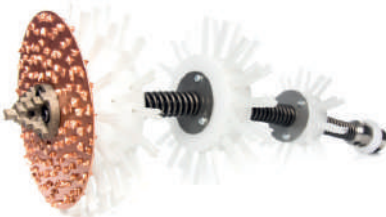


#### **1230115150Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 4.5", thickness 1mm. (Includes spare 3mm Front Metal Panel).  
Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe.

### Twister 6" for Unlined Pipe - 1/2" Shaft



#### **1231125150Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 5", thickness 1mm. (Includes spare 3mm Front Metal Panel).  
Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe.

### Twister 8" - 1/2" Shaft



#### **1230175200Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 7", thickness 1mm. (Includes spare 3mm Front Metal Panel).  
Reinstatements inside clay, cast iron, concrete or plastic pipes. Brushes keep tool centered in the pipe.

### Twister Concrete Remover 4" - 1/2" Shaft



#### **1234085100**

Concrete Remover (1/2" Shaft)

Front Metal Panel: 3.3". For efficient concrete, grout, slurry, & rock removal.  
Dual front brushes provide added stability while the heavy duty Front Metal Panel with large carbides and specialized Front Drill Head allow great results.

### Twister Concrete Remover 6" - 1/2" Shaft



#### **1234125150**

Concrete Remover (1/2" Shaft)

Front Metal Panel: 5". For efficient concrete, grout, slurry, & rock removal.  
Dual front brushes provide added stability while the heavy duty Front Metal Panel with large carbides and specialized Front Drill Head allow great results.

## Twisters

### Twister Concrete Remover 4" w/Steering Axle - 1/2" Shaft



#### **1234085100SA**

Concrete Remover (1/2" Shaft)

Front Metal Panel: 3.3". 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 pulling cable through the pipe and attach it to steering axle on the Twister.

### Twister Concrete Remover 6" w/Steering Axle - 1/2" Shaft



#### **1234125150SA**

Concrete Remover (1/2" Shaft)

Front Metal Panel: 5". 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 pulling cable through the pipe and attach it to steering axle on the Twister.

### Front Metal Panel 5" for Twister Concrete Remover



#### **1210510125**

Concrete Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.

### Front Metal Panel 4.5" for Twister Concrete Remover



#### **1210510115**

Concrete Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.

### Front Metal Panel 3.7" for Twister Concrete Remover



#### **1210510095**

Concrete Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.

### Front Metal Panel 3.3" for Twister Concrete Remover



#### **1210510085**

Concrete Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.

### Front Metal Panel 3" for Twister Concrete Remover



#### **1210510075**

Concrete Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.

## Twisters



### Steering Axle 2.16"

**1100100055**  
Concrete Remover Spare Part



### Bearing for Steering Axle

**1100200001**  
Concrete Remover Spare Part



### Drill Head 1.57" Concrete

**1300215040**  
Concrete Remover Spare Part  
Used with Concrete Remover with Front Metal Panels.  
Specialized Front Drill Head with star carbides vibrates removing material and making a bigger hole in front decreasing the risk of the tooling getting stuck.



### Twister Metal Grinder 4" - 1/2" Shaft

**1233075101N**  
Metal Grinder (1/2" Shaft)  
Quickly and efficiently grinds away most metal including rebar, steel rods, nails, screws, and lead joints in 4" pipes. Safe option even inside PVC and clay pipe.



### Stone Replacement Head 4"

**900000776**  
Metal Grinder Spare Part  
Replacement Carborundum stone cutting head.



### Twister Liner Remover 4" Lined Pipe

**1233075100**  
Liner Remover (1/2" Shaft)  
Features two front brushes for stabilization with a custom built Flat Drill Head. The 3mm Front Metal Panel 3" has aggressive carbides resulting to efficient liner removal in cast iron and concrete pipes.



### Twister Liner Remover 4" for Unlined Pipe

**1233085100**  
Liner Remover (1/2" Shaft)  
Features two front brushes for stabilization with a custom built Flat Drill Head. The 3mm Front Metal Panel 3.3" has aggressive carbides resulting to efficient liner removal in cast iron and concrete pipes.

## Twisters

### Twister Liner Remover 6" for Lined Pipe



**1231115150Y**

Liner Remover (1/2" Shaft)

Features two front brushes for stabilization with a custom built Flat Drill Head. The 3mm Front Metal Panel 4.5" has aggressive carbides resulting to efficient liner removal in cast iron and concrete pipes.

### Twister Liner Remover 6" for Unlined Pipe



**1230125150Y**

Liner Remover (1/2" Shaft)

Features two front brushes for stabilization with a custom built Flat Drill Head. The 3mm Front Metal Panel 5" has aggressive carbides resulting to efficient liner removal in cast iron and concrete pipes.

### Front Metal Panel 3" for Liner Remover



**1210410075**

Liner Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.

### Front Metal Panel 3.35" for Liner Remover



**1210410085**

Liner Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.

### Front Metal Panel 4.5" for Liner Remover



**1210410115**

Liner Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.

### Front Metal Panel 5" for Liner Remover



**1210410125**

Liner Remover Spare Part

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.

### Front Drill Head 4 Flat for Liner Remover

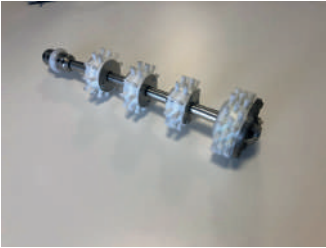


**1300214040**

Liner Remover Spare Part

Used with Liner Remover with Front Metal Panels.

## Twisters



### Tiger Twister Lateral Cutter for 4" Lined

**1262075100**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fibreglass 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: 3", thickness 6mm.



### Tiger Twister Lateral Cutter 4" Unlined

**1262085100**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fibreglass 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: 3.3", thickness 6mm.



### Tiger Twister Lateral Cutter 6" Lined

**1262115150**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fibreglass 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: 4.5", thickness 6mm.



### Tiger Twister Lateral Cutter 6" Unlined

**1262125150**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fibreglass 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: 5", thickness 6mm.



### Tiger Twister Lateral Cutter for 8" Unlined Pipe

**1262175200**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fibreglass 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: 7", thickness 6mm.



### Tiger Twister Liner & Concrete Remover 4" Lined

**1263075100**

Liner & Concrete Remover (1/2" 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: 3", thickness 6mm.



### Tiger Twister Liner & Concrete Remover 4" Unlined

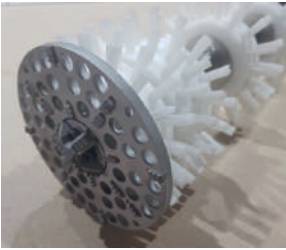
**1263085100**

Liner & Concrete Remover (1/2" 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: 3.3", thickness 6mm.



## Twisters

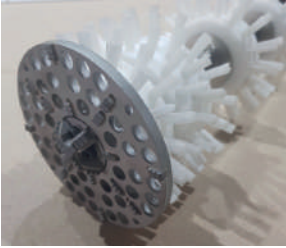


### **Tiger Twister Liner & Concrete Remover 6" Lined**

**1263115150**

Liner & Concrete Remover (1/2" 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: 4.5", thickness 6mm.



### **Tiger Twister Liner & Concrete Remover 6" Unlined**

**1263125150**

Liner & Concrete Remover (1/2" 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: 5", thickness 6mm.



### Front Metal Panel 2.2"

**1210310055**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



### Front Metal Panel 3"

**1210310075**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



### Front Metal Panel 3.3"

**1210310085**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



### Front Metal Panel 4.5"

**1210310115**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



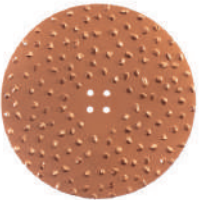
### Front Metal Panel 5"

**1210310125**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



### Front Metal Panel 7"

**1210310175**

Twister & Smart Cutter™

Spare part. Panel thickness: 1mm. Grit 10.

1mm Front Metal Panel with some flexibility and carbides in the back providing advantage in reinstatement situations if the panel gets stuck.



### Front Metal Panel 3" for Liner Remover

**1210410075**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.



### Front Metal Panel 3.3" for Liner Remover

**1210410085**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.



### Front Metal Panel 4.5" for Liner Remover

**1210410115**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.



### Front Metal Panel 5" for Liner Remover

**1210410125**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.



### Front Metal Panel 7" for Liner Remover

**1210410175**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10.

3mm Front Metal Panel for reinstatements and liner removal with additional carbides in the back.



### Front Metal Panel 3" for Concrete Remover

**1210510075**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 3.3" for Concrete Remover

**1210510085**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 3.75" for Concrete Remover

**1210510095**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 4.5" for Concrete Remover

**1210510115**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 5" for Concrete Remover

**1210510125**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 5.1" for Concrete Remover+

**1210510130**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 7" for Concrete Remover+

**1210510175**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for concrete removal with larger carbides.



### Front Metal Panel 8" for Concrete Remover+

**1210510200**

Twister Concrete Remover

Spare part. Panel thickness: 3mm. Grit 6. For Maxi Power+.

3mm Front Metal Panel for concrete removal with larger carbides.



### Tiger Front Metal Panel 2.3" for 3" Pipe

**1260000058**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 3" for 4" Pipe

**1260000075**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 3.3" for 4" Pipe

**1260000085**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 4.5" for 6" Pipe

**1260000115**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 4.9" for 6" Pipe

**1260000125**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 6.9" for 8" Pipe

**1260000175**

Twister & Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 2.6"

**1260000065**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 3.1"

**1260000080**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 3.5"

**1260000090**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



### Tiger Front Metal Panel 4"

**1260000100**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



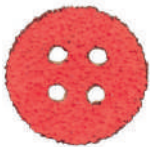
### Tiger Front Metal Panel 5.5"

**1260000140**

Smart Cutter™

Spare part. Panel thickness: 6mm.

Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminum.



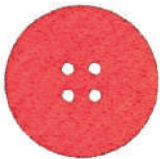
### Front Plastic Panel 2.2"

**1220210055**

Smart Cutter™

Gentle option for special situations in fragile pipes.

Sold in packages of 10 panels.



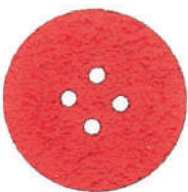
### Front Plastic Panel 3"

**1220210075**

Smart Cutter™

Gentle option for special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 3.3"

**1220210085**

Smart Cutter™

Gentle option for special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 5"

**1220210125**

Smart Cutter™

Gentle option for special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Drill Head 3 Ridged Hardened 1.38"

**1300212035**

Twister & Smart Cutter™

Used with Smart Cutter™ with Front Metal Panels.



### Front Drill Head Concrete Remover

**1300215040**

Twister Concrete Remover

Used with Concrete Remover with Front Metal Panels.



### Tiger Front Drill Head 1.5"

**1260010038**

Twister & Smart Cutter™

Used with any Twister or Smart Cutter™.



### Front Drill Head 4 Flat Liner Remover 1.57"

**1300214040**

Twister Liner Remover

Used with Liner Remover with Front Metal Panels.

## Special Drill Head Cutter for 1.25-1.5" Pipe - 1/3" Shaft



### 1310820029

Reinstatements & Cleaning (1/3" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .33(S)x.8(D)x1.14(L)

## Special Drill Head Cutter for 2" Pipe - 1/3" Shaft



### 1310820042

Reinstatements & Cleaning (1/3" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .33(S)x.79(D)x1.6(L)

## Special Drill Head Cutter for 2-3" Pipe - 1/3" Shaft



### 1310830055

Reinstatements & Cleaning (1/3" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .33(S)x1.2(D)x2.2(L)

## Special Drill Head Cutter for 3" Pipe - 1/2" Shaft



### 1311230055

Reinstatements & Cleaning (1/2" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .5(S)x1.2(D)x2.2(L)

## Special Drill Head Cutter for 3" Pipe - 1/2" Shaft



### 1311240071

Reinstatements & Cleaning (1/2" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .5(S)x1.6(D)2.8(L)

## Special Drill Head Cutter for 3-4" Pipe - 1/2" Shaft



### 1311250091

Reinstatements & Cleaning (1/2" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allows the cutter to trumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .5(S)x2(D)x3.6(L)

## Special Drill Head Cutter 2.0 for 2-3" Pipe - 1/3" Shaft



### 1310833055

Reinstatements & Cleaning (1/3" Shaft)

Similar features to the Standard Cutter but works better for cutting through softer materials and drill head stays sharper when used for reinstatements. Measurement: .33(S)x1.2(D)x2.2(L)





### Special Drill Head Cutter 2.0 for 3" Pipe - 1/2" Shaft

**1311233055**

Reinstatements & Cleaning (1/2" Shaft)

Similar features to the Standard Cutter but works better for cutting through softer materials and drill head stays sharper when used for reinstatements.

Measurement: .5(S)x1.2(D)x2.2(L)



### Special Drill Head Cutter 2.0 for 3-4" Pipe - 1/2" Shaft

**1311234071**

Reinstatements & Cleaning (1/2" Shaft)

Similar features to the Standard Cutter but works better for cutting through softer materials and drill head stays sharper when used for reinstatements.

Measurement: .5(S)x1.6(D)x2.8(L)



### Special Drill Head Cutter 2.0 for 3-4" Pipe - 1/2" Shaft

**1311235091**

Reinstatements & Cleaning (1/2" Shaft)

Similar features to the Standard Cutter but works better for cutting through softer materials and drill head stays sharper when used for reinstatements.

Measurement: .5(S)x2(D)x3.6(L)



### Special Drill Head PVC for 1.25-1.5" Pipe - 1/3" Shaft

**1310812029**

Reinstatements & Cleaning (1/3" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .33(S)x.9(D)x1.14(L)



### Special Drill Head PVC for 2" Pipe - 1/3" Shaft

**1310812042**

Reinstatements & Cleaning (1/3" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .33(S)x.9(D)x1.6(L)



### Special Drill Head PVC for 2-3" Pipe - 1/3" Shaft

**1310813055**

Reinstatements & Cleaning (1/3" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .33(S)x1.3(D)x2.2(L)



### Special Drill Head PVC for 3" Pipe - 1/2" Shaft

**1311213055**

Reinstatements & Cleaning (1/2" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .5(S)x1.2(D)x2.2(L)



### Special Drill Head PVC for 3" Pipe - 1/2" Shaft

**1311214071**

Reinstatements & Cleaning (1/2" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .5(S)x1.6(D)x2.8(L)



### Special Drill Head PVC for 3-4" Pipe - 1/2" Shaft

**1311215091**

Reinstatements & Cleaning (1/2" Shaft)

Features a safety ring that allows use in PVC, Clay and Lined pipes with more reliability and less risk of damage.

Measurement: .5(S)x2(D)x3.6(L)



### Special Drill Head 3D for 2-3" Pipe - 1/3" Shaft

**1310823055**

Reinstatements (1/3" Shaft)

Can be pulled to the cutting location with the help of a steering wire. This can be especially useful in pipes with changing diameters that also have two access points.

Measurement: .33(S)x1.2(D)x2.2(L)



### Special Drill Head 3D for 3" Pipe - 1/2" Shaft

**1311223055**

Reinstatements (1/2" Shaft)

Can be pulled to the cutting location with the help of a steering wire. This can be especially useful in pipes with changing diameters that also have two access points.

Measurement: .5(S)x1.2(D)x2.2(L)



### Special Drill Head 3D for 3" Pipe - 1/2" Shaft

**1311224071**

Reinstatements (1/2" Shaft)

Can be pulled to the cutting location with the help of a steering wire. This can be especially useful in pipes with changing diameters that also have two access points.

Measurement: .5(S)x1.6(D)x2.8(L)



### Special Drill Head 3D for 3-4" Pipe - 1/2" Shaft

**1311225091**

Reinstatements (1/2" Shaft)

Can be pulled to the cutting location with the help of a steering wire. This can be especially useful in pipes with changing diameters that also have two access points.

Measurement: .5(S)x2(D)x3.6(L)



### Tiger Bore (1.2") for 2" pipe - 1/3" Shaft

**1261084030**

Reinstatements & Cleaning (1/3" Shaft)

Highly efficient at reinstating lined connections and opening up blockages in cast iron pipe.



### Tiger Bore (1.2") for 3" Pipe - 1/2" Shaft

**1261125030**

Reinstatements & Cleaning (1/2" Shaft)

Highly efficient at reinstating lined connections and opening up blockages in cast iron pipe.



### Tiger Bore (2") for 3-4" Pipe - 1/2" Shaft

**1261125050**

Reinstatements & Cleaning (1/2" Shaft)

Highly efficient at reinstating lined connections and opening up blockages in cast iron pipe.

## Pipe Cutter



### Pipe Cutter Panel Package 3"

**125000070**

1/3" & 1/2" Shaft

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

Includes 4 panels.

1/3" Shaft: Hub 2" Narrow 2W (1000820050) & Hub Disc 2W (1000200020).

1/2" Shaft: Hub 3" Short (1001235050A) & Hub Disc S (1000200035).



### Pipe Cutter Panel Package 4"

**1250000100**

1/2" Shaft

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

Includes 4 panels and centralizers.

Used with Hub 3" 1/2" shaft (1001235075A) & Hub Disc S (1000200035).



### Pipe Cutter Panel Package 6"

**1250000150**

1/2" Shaft

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

Includes 4 panels & centralizers.

Used with Hub 4" - 1/2" shaft (1001235075A) & Hub Disc L (1000200040).



### Spare Part: Pipe Cutter Centralizer Package 4"

**1250100100**

Pipe Cutter Spare Part

Includes 2 Centralizers & Spacer Collet.



### Spare Part: Pipe Cutter Centralizer Package 6"

**1250150150**

Pipe Cutter Spare Part

Includes 2 Centralizers & Spacer Collet.



### Pipe Cutter Ultra Flex 4"

**1250000101**

1/2" Shaft

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

For spare panels use 4" panels (1250000100).



### Pipe Cutter Ultra Flex 6"

**1250000151**

1/2" Shaft

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

For spare panels, use 6" panels (1250000150).

## Pipe Cutter



### Pipe Cutter Ultra Flex 8"

**1250000200**

1/2" Shaft

Used to cut off over-shot liners when there is a bend before the cutting location.  
For spare panels, use 8" panels (1250000201).



### Pipe Cutter Spare Panels 8"

**1250000201**

Pipe Cutter Spare Part

Spare panels for Pipe Cutter Ultra Flex 8".

Includes 6 panels.



### Picote Grabber US

**237000001US**

Retrieval Tool

Retrieve lost objects. Range: 32ft. Max Range: 96ft. Used with air compressor. Comes with 2 different jaws. Jaws open to max. 3.2". Fits in 4" pipes or larger. Max lifting weight 80lbs.



### Picote Grabber Extension 32ft

**237000002**

Grabber Extension

Increases the reach of the Picote Grabber by 32ft. Includes connection piece.



### Grabber Jaw Set 1

**237000003**

Grabber Spare Part

Choose Jaw Set 1 to pick up chains and debris with good grabbing points.



### Grabber Jaw Set 2

**237000004**

Grabber Spare Part

Use Jaw Set 2 to pick up more rounded and smooth items which are harder to grip.



### Picote Large Grabber US

**2370000010US**

Retrieval Tool

Retrieve lost objects. Range: 32ft. Max Range: 96ft. Used with air compressor. Comes with one set of jaws. Jaws open to max. 5.1". Fits in 6" pipes or larger. Max lifting weight 150lbs.



### Large Grabber Jaw Set 1

**2370000011**

Grabber Spare Part



### Large Grabber Extension 32ft.

**2370000012**

Grabber Extension

Increases the reach of the Picote Grabber by 32ft. Includes connection piece.



## Spare Grabber Head with Jaws

**237000009**  
Grabber Spare Part



## Spare Large Grabber Head with Jaws

**237000013**  
Grabber Spare Part



## Spare Grabber Steering Unit

**237000014**  
Grabber Spare Part

## CIPP Lining tools



### Curing Cap 2" US

**2340000050US**

Curing Tools

Use the curing cap to replace the drum/cannon to install multiple liners.



### Curing Cap 3" US

**2340000070US**

Curing Tools

Use the curing cap to replace the drum/cannon to install multiple liners.



### Curing Cap 4" US

**2340000100US**

Curing Tools

Use the curing cap to replace the drum/cannon to install multiple liners.



### Curing Cap 6" US

**2340000150US**

Curing Tools

Use the curing cap to replace the drum/cannon to install multiple liners.



### Curing Cap 8" US

**2340000200US**

Curing Tools

Use the curing cap to replace the drum/cannon to install multiple liners.



### Liner Compressor 2.0 - 1 1/4" - 4" Pipe

**2350050101**

Curing Tools

Clamps the end of the liner tightly to prevent it collapsing from loss of pressure while you replace the inversion equipment with a curing cap.



### Liner Compressor 2.0 - 6-8" Pipe

**2350050200**

Curing Tools

Clamps the end of the liner tightly to prevent it collapsing from loss of pressure while you replace the inversion equipment with a curing cap.





### Picote Liner Glider

**2380000000**

Wet-Out Equipment

Manual roller for wetting out 2-4" liners. Comes equipped with easy to change color coded and size stamped gap setting rings for almost any liner thickness you may need.



### Picote Smart Roller

**2390000000**

Wet-Out Equipment

Drill Powered roller for 2-6" liners.



### Picote Manual Roller

**2300000001**

Wet-Out Equipment

Manual roller for wetting out 2-10" liners.



### Picote Inversion Drum 350 US

**2300000350US**

Inversion Drum

Pipe Range: 2-6"

Weight: 31 lbs. 17"(W)x22"(L)x19"(H)

Liner Capacity: 30ft (of 6" dry liner wound in center).



### Picote Inversion Drum 500 US

**2300000500US**

Inversion Drum

Pipe Range: 2-8"

Weight: 84lbs. 25"(W)x34"(L)x44"(H).

Liner Capacity: 59ft (of 6" dry liner wound in center).



### Picote Inversion Drum 700 US

**2300000700US**

Inversion Drum

Pipe Range: 2-10"

Weight 110lbs. 28"(W)x36"(L)x47"(H)

Liner Capacity: 125ft (of 6" dry liner wound in center).



### Picote Inversion Drum 700 Slim US

**2300000701US**

Inversion Drum

Pipe Range: 2-10"

Weight 130lbs. Without wheel stand 110lbs. 23"(W)x39"(L)x45"(H).

Liner Capacity: 125ft (of 6" dry liner wound in center).



### Inversion Tank Key (Storz Wrench)

**2300000002**  
Inversion Drum Spare Part



### Inversion Head 2" Straight

**2301000050**  
Inversion Head for Drum



### Inversion Head 3" Straight

**2301000075**  
Inversion Head for Drum



### Inversion Head 4" Straight

**2301000100**  
Inversion Head for Drum



### Inversion Head 6" Straight

**2301000150**  
Inversion Head for Drum



### Inversion Head 3" Elbow 45° (Use with Head Reducer)

**2302000075**  
Inversion Head for Drum  
Use with Head Reducer.



### Inversion Head 4" Elbow 45° (Use with Head Reducer)

**2302000100**  
Inversion Head for Drum  
Use with Head Reducer.

## CIPP Lining tools



### Inversion Head 6" Elbow 45°

**2302000150**  
Inversion Head for Drum



### Inversion Head 3" Elbow 90° (Use with Head Reducer)

**2305000075**  
Inversion Head for Drum  
Use with Head Reducer.



### Inversion Head 4" Elbow 90° (Use with Head Reducer)

**2305000100**  
Inversion Head for Drum  
Use with Head Reducer.



### Inversion Head 6" Elbow 90°

**2305000150**  
Inversion Head for Drum



### Inversion Head 3" with Steam Connection

**2306000075**  
Inversion Head for Drum  
Comes with a steam connection.



### Inversion Head 4" with Steam Connection

**2306000100**  
Inversion Head for Drum  
Comes with a steam connection.



### Inversion Head 6" with Steam Connection

**2306000150**  
Inversion Head for Drum  
Comes with a steam connection.



### Inversion Head Reducer 4-6"

**2300000003**  
Inversion Head for Drum



### Liner Holder 2" Standard

**2360001050**  
Liner Holder  
Safely secures the liner for pouring resin into the liner during wet-out.



### Liner Holder 3" Standard

**2360001075**  
Liner Holder  
Safely secures the liner for pouring resin into the liner during wet-out.



### Liner Holder 4" Standard

**2360001100**  
Liner Holder  
Safely secures the liner for pouring resin into the liner during wet-out.



### Liner Holder 6" Standard

**2360001150**  
Liner Holder  
Safely secures the liner for pouring resin into the liner during wet-out.



### Liner Holder 2" Narrow for Smart Roller

**2360101050**  
Smart Roller  
Safely secures the liner for pouring resin into the liner during wet-out with the Smart Roller.



### Liner Holder 3" Narrow for Smart Roller

**2360101075**  
Smart Roller  
Safely secures the liner for pouring resin into the liner during wet-out with the Smart Roller.

## CIPP Lining tools



### Liner Holder 4" Narrow for Smart Roller

**2360101100**

Smart Roller

Safely secures the liner for pouring resin into the liner during wet-out with the Smart Roller.



### Liner Holder 6" Narrow for Smart Roller

**2360101150**

Smart Roller

Safely secures the liner for pouring resin into the liner during wet-out with the Smart Roller.



### Picote Original Cannon

**2360000001US**

Cannon

A lightweight & transparent tool for short CIPP installations. Includes 3 Inversion Heads (2,3,& 4") and 1 Fast Cap.



### Picote Mini Cannon

**2360000003US**

Cannon

A lightweight & transparent tool for short CIPP installations. Includes 3 Inversion Heads (2,3,& 4") and 1 Fast Cap.



### Inversion Head 2"

**900000504**

Cannon Spare Part



### Inversion Head 3"

**900000505**

Cannon Spare Part



### Inversion Head 4"

**900000506**

Cannon Spare Part

## CIPP Lining tools



### Cannon Fast Cap

**2360000004US**

Cannon Spare Part

Used for curing multiple liners with one Cannon.



### Picote Cannon Cap with Hole

**900000759**

Cannon Spare Part

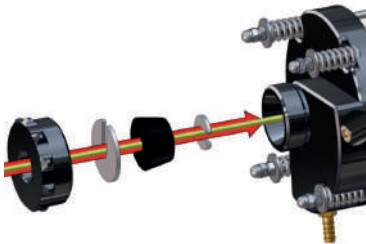
Allows a CCTV camera to be pushed through the Cannon to view the liner before curing while still inflated.



### 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 to view the liner before curing while still inflated.



### Mini Smart Heat Miller US

**3410000000US**

Smart Heat

Speed up ambient CIPP curing process up to 35%.

Ecological friendly option doesn't use water, so there is no risk of water damage inside buildings. Range:46ft. Use with a Mini Smart Heat Curing Cap.



### Maxi Smart Heat Miller US

**3430000000US**

Smart Heat

Speed up ambient CIPP curing process up to 35%.

Ecological friendly option doesn't use water, so there is no risk of water damage inside buildings. Range:92ft. Use with a Maxi Smart Heat Curing Cap.



### Smart Heat Cable 16ft

**3430000005US**

Smart Heat

Speed up ambient CIPP curing process up to 35%. Ecological friendly option doesn't use water, so there is no risk of water damage inside buildings.

Use with a Maxi Smart Heat Curing Cap.

## CIPP Lining tools



### Smart Heat Cable 32ft

**3430000010US**

Smart Heat

Speed up ambient CIPP curing process up to 35%. Ecological friendly option doesn't use water, so there is no risk of water damage inside buildings.

Use with a Maxi Smart Heat Curing Cap.



### Mini Smart Heat Curing Cap 2" US

**2340004050US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Mini Smart Heat Curing Cap 3" US

**2340004070US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Mini Smart Heat Curing Cap 4" US

**2340004100US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Mini Smart Heat Curing Cap 6" US

**2340004150US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Maxi Smart Heat Curing Cap 2" US

**2340005050US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Maxi Smart Heat Curing Cap 3" US

**2340005070US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.

## CIPP Lining tools



### Maxi Smart Heat Curing Cap 4" US

**2340005100US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Maxi Smart Heat Curing Cap 6" US

**2340005150US**

Smart Heat Spare Part

Allows the heat cable to be pushed through the Curing Cap into the Liner.



### Calibration Lining Glue 2.64gal.

**132000001**

Preparation for Open Ended Liners

Glue used for calibration tube and liner in open-end lining process.



### 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.



### Gluing Tool 2" US

**1320050050US**

Preparation for Open Ended Liners

For gluing open-end calibration tube to liner.



## CIPP Lining tools

### Gluing Tool 2-3"/One Size 3" US



**1320050070US**

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

### Gluing Tool 3-4"/One Size 4" US



**1320070100US**

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

### Gluing Tool 4-6"/One Size 6" US



**1320100150US**

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

### Gluing Tool 6-8"/One Size 8" US



**1320150200US**

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

### Connection Collar Installation Tool Head



**1410000002**

Connection Collar System  
For insertion of connection collars into the pipe connection. Purchase multiple tool heads and preassembled bladders on them.

### Connection Collar Installation Tool 16.4ft



**1410000005**

Connection Collar System  
Includes One Installation Tool Head.

### Connection Collar Installation Tool 32.8ft



**1410000010**

Connection Collar System  
Includes One Installation Tool Head.

## CIPP Lining tools

### Connection Collar Installation Tool 49.2ft



**1410000015**

Connection Collar System  
Includes One Installation Tool Head.

### Regulator and Vacuum Assembly US



**1410000001US**

Connection Collar System  
For Vacuum and Installaton of Connection Collars.

### Vacuum US



**1410000000US**

Connection Collar System  
For Vacuum and Installaton of Connection Collars.

### Air Pressure Regulator US



**2340000001US**

Connection Collar System  
Used with Connection Collar Installation Tool.

### Hose Clamp 1-1.5"



**9500000384**

Connection Collar System  
For attaching Bladder to the Installation Tool Head.

### Hose Clamp 1.25-1.75"



**9500000385**

Connection Collar System  
For attaching Bladder to the Installation Tool Head.



## Mini Coating Pump US

**2220100002**

Pipe Diameter: 1.25-6". Max Range: 75ft. Weight: 35.5lbs  
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 3 hose connectors and 2 brush stoppers.



## Resin Supply Hose 82ft

**2220100004**

Mini Pump  
82ft. per package

## Resin Supply Hose Package

**2220100011**

Mini Pump  
Pre-cut to 9.4", 50 pieces per package.



## Delivery Hose 82ft

**2220100003**

Mini Pump  
82ft./package.



## Delivery Hose 656ft

**2220100009**

Mini Pump  
656ft./package.

## Hose Connector with Hose Clamps

**2220100007**

Mini Pump  
Includes hose clamps & connectors (10mm & 13mm).



## Hose Clamp 10mm

**9500000382**

Mini Pump  
For Mini Coating Pump Delivery Hose.



### Hose Clamp 13mm



**950000381**

Mini Pump

For Mini Coating Pump Delivery Hose.

### Brush Stopper 1/3"



**900000338**

Mini Pump

### Maxi Coating Pump US



**2220200001**

Pipe Diameter: 3-12". Max Range: 128ft. Weight: 51lbs.

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: 10x Pumping Hose w/ Hose Connectors, 10x Resin Cups, and 2 Hose Clamps

### Maxi Coating Pump Delivery Hose



**2220200005**

Maxi Pump

656ft./package.

### Maxi Pumping Hose Package

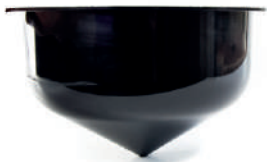


**2220200003**

Maxi Pump

10pcs in a package, includes 2x Hose Connector.

### 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.



### Brush Stopper 1/2"

**900000756**  
Maxi Pump



### Maxi Pump Bracket for Super Midi

**9550004000**  
Maxi Pump  
Attaches Maxi Coating pump to a Super Midi Miller.



### Picote Heater US

**1350000024US**  
Maxi Pump & Mini Pump  
Decrease time between coats for Picote Brush Coating™ system.  
Includes 16ft Heater Hose. Air outlet temperature is limited to 131F.  
Automatic thermal cut-out in both motor and heating element.



### Heater Hose 16.4ft

**9990001099**  
Picote Heater Spare Part



### Coating/Cleaning Brush 1.5" for 1.25" Pipe

**2120000037**  
Mini Pump (1/4" 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 2" for 1.25" Pipe

**2120000050**  
Mini Pump (1/3" 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 3" for 2" Pipe

**2120000075**  
Mini Pump (1/3" 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 4" for 3" Pipe



**2120000100**

Mini Pump (1/3" 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 5" for 4" Pipe



**2120000125**

Mini Pump (1/3" 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 6.9" for 6" Pipe



**2120000175**

Mini Pump (1/3" 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 8.7" for 8" Pipe



**2120000220**

Mini Pump (1/3" 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 4" for 3" Pipe



**2120012100**

Maxi Pump (1/2" 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 5" for 4" Pipe



**2120012125**

Maxi Pump (1/2" 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 6" for 4" Pipe



**2120012150**

Maxi Pump (1/2" 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 7" for 5" Pipe

**2120012175**

Maxi Pump (1/2" 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 8" for 6" Pipe

**2120012200**

Maxi Pump (1/2" 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 9" for 7" Pipe

**2120012225**

Maxi Pump (1/2" 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 10" for 8" Pipe

**2120012250**

Maxi Pump (1/2" 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 11" for 9" Pipe

**2120012275**

Maxi Pump (1/2" 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 12" for 10" Pipe

**2120012300**

Maxi Pump (1/2" 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 14" for 12" Pipe

**2120012350**

Maxi Pump (1/2" 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 Robot Tools for Schwalm Robots



### Robo Shaft Connector M14 / 1/2"

**1313004125**

Robot

Combine Picote tools with the Schwalm Robotic System to create a powerful and versatile solution. Go further in distance: 1200ft. Provide speciality services to the oil industry and for water & sewer mains.



### Robo Shaft Connector M14 / 3/4"

**1313004185**

Robot

Combine Picote tools with the Schwalm Robotic System to create a powerful and versatile solution. Go further in distance: 1200ft. Provide speciality services to the oil industry and for water & sewer mains.



### Robo Cyclone 6"

**1420125150**

Robot

Descale pipe for long distances. Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Cyclone 8"

**1420125200**

Robot

Descale pipe for long distances. Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Cyclone 10"

**1420125250**

Robot

Descale pipe for long distances. Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Cyclone 12"

**1420125300**

Robot

Descale pipe for long distances. Mount the Robo Cyclone on a robot for efficient cleaning and grinding.



### Robo Smart Cutter 6"

**1421125150**

Robot

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 8"

**1421125200**

Robot

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 10"

**1421125250**

Robot

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 12"

**1421125300**

Robot

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**

Robot

Add a grabbing capability to your robot to remove items from hard to reach places. Reclaim a tool or item, weighing up to 77lb. Grab lost items or remove obstructions with the Grabber pincher claws mounted on board with a HD camera for precision work.



### Robo Smart Spider 6"

**1422125150**

Robot

Descale fragile pipes with ease with your multi-use robot. Gentle on brass connections in water mains.



### Robo Smart Spider 8"

**1422125200**

Robot

Descale fragile pipes with ease with your multi-use robot. Gentle on brass connections in water mains.



### Flexible Shaft 1/4"

- 1312020065025** 25ft
- 1312020065050** 50ft



### Flexible Shaft 1/3" (Thick Casing)

- 1312030085010** 32ft
- 1312030085025** 25ft
- 1312030085050** 50ft
- 1312030085075** 75ft
- 1312030085100** 100ft



### Flexible Shaft 3/8"

- 1312020105005** 16.4ft
- 1312020105010** 32ft
- 1312020105015** 49ft
- 1312020105020** 65.5ft



### Flexible Shaft 1/2"

- 1312020125010** 32ft
- 1312020125025** 25ft
- 1312020125050** 50ft
- 1312020125075** 75ft
- 1312020125100** 100ft



### Flexible Shaft 1/2" (Thick Casing)

- 1312021125050** 50ft
- 1312021125075** 75ft
- 1312021125100** 100ft



### Flexible Shaft 3/4"

- 1312021180011** 36 ft
- 1312021180020** 67 ft



### Shaft Casing

- 9331008000** Thick outer casing for 1/3" shaft
- 9330012000** Regular outer casing for 1/2" shaft
- 9331012000** Thick outer casing for 1/2" shaft
- 3212323196** Outer casing for 3/4" shaft

## Shafts | Leaders | Shaft Sockets



### Miller Replacement Shaft (1/3" Shaft)

- 1312030085014** Micro Miller (43.6ft)
- 1312030085017** Mini Miller (57.4ft)
- 131203108517** Mini Cleaner (54.1ft)



### Miller Replacement Shaft (1/2" & 3/4" Shaft)

- 1312020125013** Midi Miller (44ft)
- 1312020125022** Super Midi (72.2ft)
- 1312021125033** Maxi Miller (108ft)
- 1312021180020** Maxi Power+ (67ft)



### Shaft Socket for Drill

- 1310000065** For 1/4" shaft
- 1310000085** For 1/3" shaft
- 1310000105** For 3/8" shaft
- 1310000125** For 1/2" shaft



### Shaft Connector

- 1313002125** 1/2" / 1/2"
- 9123050001** 1/3" / 1/3"
- 1313002185** 3/4" / 3/4"

- 900000336** 1/3" / 3/8"
- 1313001285** 1/2" / 1/3"
- 900000234** 1/2" / 3/8"



### Sleeves

- 93212321085** For 1/3" (thick casing)
- 93212321125** For 1/2" (regular casing)
- 93212322125** For 1/2" (thick casing)
- 93212520180SB** For 3/8"



### Leaders

- 1400800500** 1/3" Leader 19.7"
- 1401200500** 1/2" Leader 19.7"
- 1401800500** 3/4" Leader 19.7"



### Shaft Lubricant Oil

- 1350000020** Shaft Lubricant (17 oz)
- 1350000021** Shaft Lubricant Package, includes 6 bottles



### Connection Collars

1411007050T 3<sup>1</sup>/<sub>2</sub>" T  
 1411007050Y 3<sup>1</sup>/<sub>2</sub>" Y  
 1411007070T 3<sup>2</sup>/<sub>3</sub>" T  
 1411007070Y 3<sup>2</sup>/<sub>3</sub>" Y  
 1411010050T 4<sup>1</sup>/<sub>2</sub>" T  
 1411010050Y 4<sup>1</sup>/<sub>2</sub>" Y  
 1411010070T 4<sup>2</sup>/<sub>3</sub>" T  
 1411010070Y 4<sup>2</sup>/<sub>3</sub>" Y  
 1411100100T 4<sup>3</sup>/<sub>4</sub>" T  
 1411100100Y 4<sup>3</sup>/<sub>4</sub>" Y  
 1411125050T 5<sup>1</sup>/<sub>2</sub>" T  
 1411125050Y 5<sup>1</sup>/<sub>2</sub>" Y  
 1411125070T 5<sup>2</sup>/<sub>3</sub>" T  
 1411125070Y 5<sup>2</sup>/<sub>3</sub>" Y  
 1411125100T 5<sup>3</sup>/<sub>4</sub>" T  
 1411125100Y 5<sup>3</sup>/<sub>4</sub>" Y  
 1411125125T 5<sup>4</sup>/<sub>5</sub>" T  
 1411125125Y 5<sup>4</sup>/<sub>5</sub>" Y  
 1411150050T 6<sup>1</sup>/<sub>2</sub>" T  
 1411150050Y 6<sup>1</sup>/<sub>2</sub>" Y  
 1411150070T 6<sup>2</sup>/<sub>3</sub>" T  
 1411150070Y 6<sup>2</sup>/<sub>3</sub>" Y  
 1411150100T 6<sup>3</sup>/<sub>4</sub>" T  
 1411150100Y 6<sup>3</sup>/<sub>4</sub>" Y  
 1411150125T 6<sup>4</sup>/<sub>5</sub>" T  
 1411150125Y 6<sup>4</sup>/<sub>5</sub>" Y  
 1411150150T 6<sup>5</sup>/<sub>6</sub>" T  
 1411150150Y 6<sup>5</sup>/<sub>6</sub>" Y



### Picote Bladders

1410007050Y 3<sup>1</sup>/<sub>2</sub>" Y  
 1410007070T 3<sup>2</sup>/<sub>3</sub>" T  
 1410007070Y 3<sup>2</sup>/<sub>3</sub>" Y  
 1410010050T 4<sup>1</sup>/<sub>2</sub>" T  
 1410010050Y 4<sup>1</sup>/<sub>2</sub>" Y  
 1410010070T 4<sup>2</sup>/<sub>3</sub>" T  
 1410010070Y 4<sup>2</sup>/<sub>3</sub>" Y  
 1410100100T 4<sup>3</sup>/<sub>4</sub>" T  
 1410100100Y 4<sup>3</sup>/<sub>4</sub>" Y  
 1410150070T 6<sup>2</sup>/<sub>3</sub>" T  
 1410150070Y 6<sup>2</sup>/<sub>3</sub>" Y  
 1410150100T 6<sup>3</sup>/<sub>4</sub>" T  
 1410150100Y 6<sup>3</sup>/<sub>4</sub>" Y  
 1410150150T 6<sup>5</sup>/<sub>6</sub>" T  
 1410150150Y 6<sup>5</sup>/<sub>6</sub>" Y

## Additional tools



### Shaft Rounder

**1350000018**

Rounds sharp edges of the shaft.



### 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.

# For more information, please contact:

## **Picote sales support**

**TONY DECAVITCH**

+1 219 440 1404  
tony@picotesolutions.com

**RYAN BOLDAN**

+1 706 805 5017  
ryan@picotesolutions.com

**KATJA LINDY-WILKINSON**

+1 425 505 0646  
katja@picotesolutions.com

Follow us on

