



# Formadrain® Picote Tool Range

7.1. – 12.31.2021

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

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

\*Depending on model



## SAFETY & TESTING

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

# MILLER RANGE

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

## NEW BATTERY POWERED MILLERS!

The Picote Mini Cleaner and Mini Miller are now available as cordless, battery-powered models, featuring increased power, speed and performance. Upgraded with a new dedicated motor, stepless speed control, detachable foot pedal and electronic clutch.

Don't be limited by the location of power outlets and lengths of cords. Easier than ever to transport and operate.

The Standard and High-Output Batteries allow for operation times of up to 3 and 4 hours, respectively. You can even charge the battery while using the machine!





**Mini Cleaner**

**\$5,196.10**

**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).

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.



**Midi Cleaner**

**\$ 10,384.40**

**3551031000US**

3/8" Shaft with Thin Outer Casing

High Speed Cleaning 2-6", Cutting 2-4" & Brush Coating 3-8"

Range: 75ft Max Range: 107ft with extension.

Weight: 143lbs. 500-1500rpm.

Can be extended 32ft (Extension: 1312020105010 Shaft 3/8" 32ft)

Offers the strength and flexibility of 3/8" shaft. Use even in 2" pipes! Plugs into 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, and an E-stop.



**Mini Miller**

**\$5,383.30**

**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 extension.

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, & E-stop.



**Super Midi**

**\$ 10,384.40**

**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 with extension.

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, and an E-stop.





**Maxi Miller**

**\$ 14,280.50**

**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 with extension.  
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 and an E-stop.



**Mini Cleaner +C**

**\$7,965.10 (Clean) \$7,750.60 (Cut)**

**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). Weight: 59lbs. 500-2900rpm.  
Camera Specs: Head Diameter 9/16", 98ft cable, 512hz integrated sonde.  
7" color monitor. Lighting: 8 LEDs with brightness control  
Digital footage counter. Stainless steel camera head (IP68).

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.



**Mini Miller +C**

**\$ 8,580.00**

**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 with extension. Weight: 59lbs. 500-2900rpm.  
Camera Specs: Head Diameter 7/8", 98ft cable.  
7" cm color monitor. Lighting: 12 LEDs with brightness control  
Digital footage counter. Stainless steel camera head (IP68).

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. Also includes non self-levelling camera head for Picote Brush Coating™.



**Battery Powered Mini Cleaner \$ 8,027.50 (Clean) \$ 8,320.00 (Cut)**

**3540002816US (Cleaning Package) 3540002818US (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). Weight: 73lbs. Standard Battery Weight: 8lbs  
550-2200rpm. Stepless Speed Control (forward & reverse)

The cordless battery powered Mini Cleaner makes quick work of cleaning, descaling, root removal, cutting, reinstatements & brush coating. **Easy to transport and operate regardless of power outlet locations or availability!** Includes Standard Battery for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 9lbs) upgrade for up to 4 hours of continuous work sold separately.

**NEW**



### Battery Powered Mini Miller

**\$ 8,154.90**

**3540002817US**

1/3" Shaft with Thick Outer Casing  
High Speed Cleaning 2-4" & Cutting 2-3" & Brush Coating 2-6"  
Range: 50ft. Max Range: 82ft with extension.  
Weight: 73lbs. Standard Battery Weight: 8lbs  
550-2200rpm Stepless Speed Control (forward & reverse)

The cordless battery powered Mini Miller makes quick work of cleaning, descaling, root removal, cutting, reinstatements & brush coating. Easy to transport and operate regardless of power outlet locations or availability! Includes Standard Battery for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 9lbs) upgrade for up to 4 hours of continuous work (sold separately).

**NEW**



### Battery Powered Mini Cleaner +C \$10,361.00(Clean) \$10,647.00(Cut)

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

1/3" Shaft with Flexible Outer Casing. **Integrated Camera.**  
High Speed Cleaning 1¼"-3", Cutting 1¼"-3" & Brush Coating 1¼"-3"  
Max Range: 50ft (no extension). Weight: 84lbs. 550-2200rpm Stepless Speed Control  
Camera Specs: Head Diameter 9/16", 98ft cable. Stainless steel camera head (IP68).  
7" color monitor. Lighting: 8 LEDs with brightness control Digital footage counter.  
Designed with plumbers in mind. Same great features as the Battery Powered Mini Cleaner. Easy to transport and operate regardless of power outlet locations or availability! Includes Standard Battery (Weight: 8lbs) for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 9lbs) upgrade for up to 4 hours of continuous work (sold separately).

**NEW**



### Battery Powered Mini Miller +C

**\$ 11,128.00**

**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 with extension.  
Weight: 84lbs. 550-2200rpm Stepless Speed Control (forward & reverse)  
Camera Specs: Head Diameter 7/8", 98ft cable. Stainless steel camera head (IP68).  
7" color monitor. Lighting: 12 LEDs with brightness control Digital footage counter.

Same great features as the Battery Powered Mini Miller. Easy to transport and operate regardless of power outlet locations or availability! Includes Standard Battery (Weight: 8lbs) for up to 3 hours of continuous work. Can also be used with power cable. High Output Battery (Weight: 9lbs) upgrade for up to 4 hours of continuous work (sold separately).

## SMARTER THAN YOU THINK!

The patented Picote Smart Cutter™ is a truly groundbreaking and versatile tool that has changed the trenchless industry worldwide. Originally created as a lateral reinstatement cutter for inside buildings, the Smart Cutter™ is also suitable for cleaning pipes from 1 1/4" to 12". Want more? The Smart Cutter™ is a great tool to remove remaining concrete or failed CIPP lining from the edges of a pipe and is even available for the Maxi Power+ machine.



**The ORIGINAL  
and still the BEST**

# SMART CUTTER™



**CUT | CLEAN | REFINE**







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

**\$105.96**

**1000612025**

2 Panel Hub with No Wedge (1/4" Shaft)

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

Measurement: .25(S)x.47(D)x.98(L).



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

**\$107.38**

**1000615025**

2 Panel Hub with No Wedge (1/4" Shaft)

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

Measurement: .25(S)x.59(D)x1(L).



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

**\$109.01**

**1000615030**

2 Panel Hub with No Wedge (1/4" Shaft)

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

Measurement: .25(S)x.6(D)x1.18(L).



**Hub 1 1/4"-1.5" for 1/3" Shaft No Wedge**

**\$55.87**

**1000818025**

2 Panel Hub with No Wedge (1/3" Shaft)

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

Measurement: .33(S)x.7(D)x.98(L).



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

**\$111.03**

**1000820040**

2 Panel Hub with No Wedge (1/3" Shaft)

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

Measurement: .33(S)x.79(D)x1.57(L).



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

**\$111.54**

**1000820060**

2 Panel Hub with No Wedge (1/3" Shaft)

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

Measurement: .33(S)x.79(D)x2.36(L).



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

**\$111.03**

**1001020040**

2 Panel Hub with No Wedge (3/8" Shaft)

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

Measurement: .39(S)x.79(D)x1.57(L).





**Hub .8x2.36" for 2-3" Pipe - 3/8" Shaft No Wedge \$111.54**

**1001020060**

2 Panel Hub with No Wedge (3/8" Shaft)

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

Measurement: .39(S)x.79(D)x2.36(L).



**Hub 2" Narrow 2W for 2-3" Pipe - 1/3" Shaft \$111.54**

**1000820050**

2 Panel Hub with Wedge (1/3" Shaft)

2" pipe. Use with Side Grinding Panel 2x4" & Wedged Hub Disc.

Measurement: .33(S)x.8(D)x2(L).



**Hub 3" Narrow 2W for 4" Pipe - 1/3" Shaft \$115.60**

**1000820075**

2 Panel Hub with Wedge (1/3" Shaft)

3" pipe. Use with Side Grinding Panel 3x5" & Wedged Hub Disc.

Measurement: .33(S)x.8(D)x3(L).



**Hub 2" Narrow 2W for 2-3" Pipe - 3/8" Shaft \$111.54**

**1001020050**

2 Panel Hub with Wedge (3/8" Shaft)

2" pipe. Use with Side Grinding Panel 2x4" & Wedged Hub Disc.

Measurement: .39(S)x.8(D)x2(L).



**Hub 3" Narrow 2W for 4" Pipe - 3/8" Shaft \$115.60**

**1001020075**

2 Panel Hub with Wedge (3/8" Shaft)

3" pipe. Use with Side Grinding Panel 3x5" & Wedged Hub Disc.

Measurement: .39(S)x.8(D)x3(L).



**Hub 3" Short for 3-4" Pipe - 1/3" Shaft \$111.54**

**1000835050A**

4 Panel Hub with Wedge (1/3" Shaft)

3-4" pipe. 1/3" shaft. Use with Side Grinding Panel 2x4" with wedge & Wedged Hub Disc (diameter 1.4"). Material: Aluminum.

Measurement: .33(S)x1.4(D)x2(L).



**Hub 3" Short for 3-4" Pipe - 3/8" Shaft \$111.54**

**1001035050A**

4 Panel Hub with Wedge (3/8" Shaft)

3-4" pipe. 1/3" shaft. Use with Side Grinding Panel 2x4" with wedge & Wedged Hub Disc (diameter 1.4"). Material: Aluminum.

Measurement: .39(S)x1.4(D)x2(L).



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

**\$111.54**

**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 Small.  
Material: Aluminum.  
Measurement: .5(S)x1.4(D)x2(L).



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

**\$121.68**

**1001235075A**

4 Panel Hub with Wedge (1/2" Shaft)  
4" pipe. Uses Side Grinding Panel 3x5" with wedge & Hub Disc Small.  
Material: Aluminum.  
Measurement: .5(S)x1.4(D)x3(L).



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

**\$131.82**

**1001240100A**

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



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

**\$141.96**

**1001240150A**

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



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

**\$150.07**

**1001240200A**

4 Panel Hub with Wedge (1/2" Shaft)  
8" pipe. Uses Side Grinding Panel 8"x12" & Hub Disc Large.  
Material: Aluminum.  
Measurement: .5(S)x1.6(D)x8(L).



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

**\$500.14**

**1001250100A**

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



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

**\$627.67**

**1001250150A**

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



**Wedged Hub Disc - 2W**

**\$17.75**

**1000200020**

Hub Disc

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



**Hub Disc Small**

**\$25.84**

**1000200035**

Hub Disc

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



**Hub Disc Large**

**\$25.84**

**1000200040**

Hub Disc

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



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

**\$41.39**

**1000200050**

Hub Disc

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



**Steering Hub Disc Small**

**\$25.84**

**1000210035**

Hub Disc

Steering Hub Disc S (diameter 1.4").

Used with the Steering Axle for 4 Panel Hubs (diameter 1.4").



**Steering Hub Disc Large**

**\$25.84**

**1000210040**

Hub Disc

Steering Hub Disc S (diameter 1.6").

Used with the Steering Axle for 4 Panel Hubs (diameter 1.6").



**Screws for Hub Disc**

**\$43.58**

**1350000100**

Hub Disc Spare Part

Package of 12.

Specify which disc size when ordering.



**Steering Axle 2.17"**

**\$74.63**

**1100100055**

Hub Disc Accessories  
For fine-tuning or steering tools.



**Bearing for Steering Axle**

**\$13.74**

**1100200001**

Hub Disc Accessories  
Use with Steering Axle.



**Smart Steering Guide 4-6" with Bearing**

**\$523.61**

**1312024125**

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



**Smart Steering Guide 6-8" with Bearing**

**\$609.10**

**1312025125**

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



**Counter Weight - Small**

**\$70.33**

**1100500040**

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



**Counter Weight - Large**

**\$81.84**

**1100500060**

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



**Steering Wire 328 ft.**

**\$221.10**

**1350150405**

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





**Wire Hook for 1/2" Shaft**

**\$63.27**

**1350000125**

Hub Accessories

The Wire Hook is attached at the end of the Shaft which will be then used for pulling and guiding. For 1/2" Shaft.



**Wire Hook for 1/3" Shaft**

**\$57.24**

**1350000085**

Hub Accessories

The Wire Hook is attached at the end of the Shaft which will be then used for pulling and guiding. For 1/3" Shaft.



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

**\$45.08**

**1202040060**

Side Grinding Panel

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



**Side Grinding Panel 2x4" No Wedge**

**\$45.71**

**1202050100**

Side Grinding Panel

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



**Side Grinding Panel 2x4"**

**\$79.09**

**1203050100**

Side Grinding Panel

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"**

**\$79.56**

**1202075125**

Side Grinding Panel

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**

**\$85.49**

**1202100100**

Side Grinding Panel

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**

**\$96.85**

**1202100150**

Side Grinding Panel

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**

**\$102.96**

**1202150150**

Side Grinding Panel

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**

**\$120.12**

**1202150200**

Side Grinding Panel

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"**

**\$180.96**

**1202150250**

Side Grinding Panel

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"**

**\$180.18**

**1202200300**

Side Grinding Panel

8" pipe: use with Hub 8" (1001240200A).

Sold in packages of 12 panels.



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

**\$119.65**

**1204050100**

Side Grinding Panel XT Rough

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

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



**Side Grinding Panel XT Rough 2x4"**

**\$127.76**

**1205050100**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$133.85**

**1203075125**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$143.99**

**1203100100**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$152.10**

**1203100150**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$172.38**

**1203150150**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$200.77**

**1203150200**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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"**

**\$292.03**

**1203150250**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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 8x12"**

**\$300.14**

**1203200300**

Side Grinding Panel XT Rough

XT panels have larger grit for more aggression and 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) \$30.42**

**1202025040**

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



**Side Grinding Panel 1.25" Package (1.18x1.97" No Wedge) \$35.10**

**1202030050**

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



**Cleaning Panel for 1.25" pipe (1.38x1.77" No Wedge) \$24.95**

**1241035045**

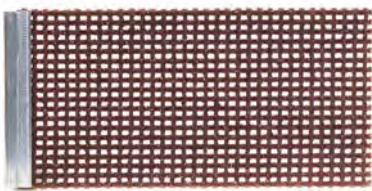
Polishing Panel  
Small no wedge Polishing Panels for cleaning with the Mini Cleaner.  
Sold in packages of 12 panels.



**Cleaning Panel for 1.5" pipe (1.57x1.97" No Wedge) \$31.03**

**1241040050**

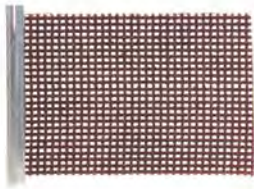
Polishing Panel  
Small no wedge Polishing Panels for cleaning with the Mini Cleaner.  
Sold in packages of 12 panels.



**Polishing Panel 2x4" \$171.60**

**1241050100**

Polishing Panel  
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" \$182.21**

**1241075100**

Polishing Panel  
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.

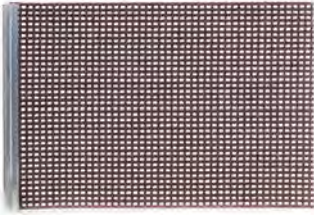


**Polishing Panel 4x5" \$208.88**

**1241100125**

Polishing Panel  
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"**

**\$235.40**

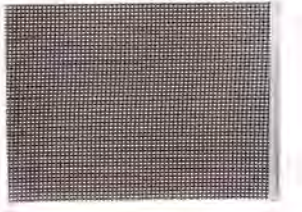
**1241100150**

Polishing Panel

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"**

**\$297.02**

**1241150200**

Polishing Panel

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.

## EXPAND YOUR BUSINESS WITH PICOTE 3D CHAINS

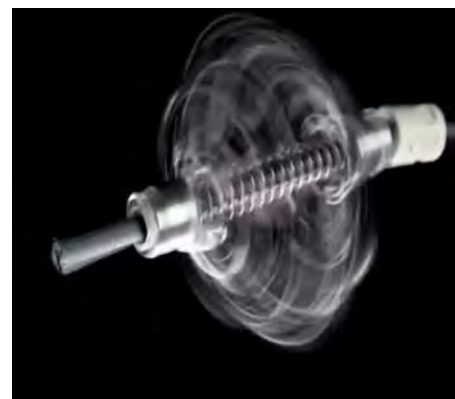
Self-adjusting depending on rpm. Great for diameter transitions or where access is limited, saving you time and money!

Available in both Premium and PVC models:

- 2" to 3" and 3" to 4" for 1/3" Shaft
- 3" to 4" and 4" to 6" for 1/2" Shaft
- 2" to 3", 3" to 4" and 4" to 6" for 3/8" Shaft



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



# CLEANING CHAINS

## Premium Chains

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

## Tiger Chains

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

## Standard Chains

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

## PVC Chains

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





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

**\$55.28**

**1380065032**

Standard (1/4" Shaft)

An efficient cleaning chain without carbides.



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

**\$56.41**

**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

**\$61.43**

**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

**\$66.34**

**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

**\$70.52**

**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

**\$76.99**

**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

**\$68.39**

**1380105070**

Standard (3/8" Shaft)

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



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

**\$70.14**

**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

**\$78.21**

**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

**\$70.43**

**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

**\$72.19**

**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

**\$80.26**

**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

**\$103.19**

**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

**\$128.99**

**1380125225**

Standard (1/2" Shaft)

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





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

**\$161.56**

#### **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

**\$167.41**

#### **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

**\$192.79**

#### **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

**\$223.73**

#### **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

**\$278.85**

#### **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

**\$195.78**

#### **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

**\$223.34**

#### **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.



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

**\$244.27**

#### **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

**\$342.68**

#### **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

**\$424.91**

#### **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

**\$248.89**

#### **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

**\$304.72**

#### **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

**\$361.27**

#### **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

**\$479.90**

#### **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.



### Original Premium Chain 12' - 3/4' Shaft

**\$557.18**

#### **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.



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

**\$19.11**

#### **1381084032**

PVC (1/3" Shaft)

Cleaning Chain without Carbides. For the Mini Cleaner.



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

**\$19.31**

#### **1381084040**

PVC (1/3" Shaft)

Cleaning Chain without Carbides. For the Mini Cleaner.



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

**\$48.67**

#### **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

**\$54.76**

#### **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

**\$58.81**

#### **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

**\$64.90**

#### **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

**\$60.45**

**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

**\$64.86**

**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.



### Original PVC Chain 5-6' - 3/8' Shaft

**\$72.54**

**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

**\$64.84**

**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

**\$66.81**

**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

**\$74.49**

**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

**\$96.33**

**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)

**\$85.59**

**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

**\$103.09**

**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.



### Cyclone Standard Chain 5" - 1/3" Shaft

**\$122.54**

**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

**\$126.43**

**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

**\$92.14**

**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

**\$104.42**

**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

**\$131.04**

**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

**\$133.09**

**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)

**\$87.53**

**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

**\$101.15**

**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

**\$126.43**

**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

**\$128.38**

**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

**\$153.66**

**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

**\$180.90**

**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

**\$190.62**

#### **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)

**\$273.65**

#### **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.



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

**\$304.59**

#### **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

**\$332.09**

#### **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)

**\$274.95**

#### **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

**\$307.97**

#### **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

**\$334.11**

#### **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

**\$352.56**

#### **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

**\$419.90**

#### **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.



### Cyclone Premium Chain 9" - 1/2" Shaft

**\$422.62**

#### **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 10" - 1/2" Shaft

**\$537.23**

#### **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 PVC Chain 3" - 1/3" Shaft (US)

**\$179.40**

#### **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

**\$81.12**

#### **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

**\$87.20**

#### **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

**\$70.20**

**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

**\$76.05**

**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.



### Cyclone PVC Chain 5" - 3/8" Shaft

**\$83.85**

**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

**\$87.75**

**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)

**\$75.04**

**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

**\$81.12**

**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

**\$89.23**

**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

**\$93.29**

**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

**\$105.46**

**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.



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

**\$270.40**

**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

**\$300.30**

**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

**\$317.20**

**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

**\$360.10**

**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.



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

**\$221.05**

**1380084050D**

Spare Part 3D Chain

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



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

**\$245.39**

**1380084070D**

Spare Part 3D Chain

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



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

**\$271.75**

**1380125070D**

Spare Part 3D Chain

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



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

**\$310.28**

**1380125100D**

Spare Part 3D Chain

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



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

**\$39.34**

**9380000054**

Spare Part 3D Chain

Spare Spring for 3D Chain.



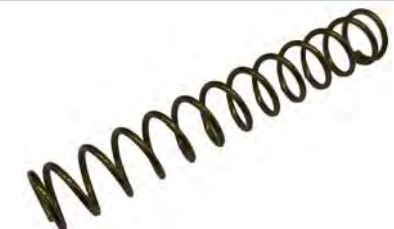
### Spare Spring - 3D Premium 3-4" - 1/3" Shaft

**\$41.16**

**9380000055**

Spare Part 3D Chain

Spare Spring for 3D Chain.



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

**\$41.16**

**9380000056**

Spare Part 3D Chain

Spare Spring for 3D Chain.



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

**\$43.17**

**9380000057**

Spare Part 3D Chain

Spare Spring for 3D Chain.

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

**\$72.15**



**1382005071**

Spare Part 3D Chain

Spare Leader (includes the shaft, casing and sleeve bearings).

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

**\$78.00**



**1382070101**

Spare Part 3D Chain

Spare Leader (includes the shaft, casing and sleeve bearings).

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

**\$79.95**



**1383070101**

Spare Part 3D Chain

Spare Leader (includes the shaft, casing and sleeve bearings).

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

**\$87.75**



**1383100151**

Spare Part 3D Chain

Spare Leader (includes the shaft, casing and sleeve bearings).

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

**\$185.25**



**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

**\$191.10**



**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.

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

**\$253.50**



**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

**\$126.75**

**1380084050DP**

Spare Part 3D Chain

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



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

**\$132.60**

**1380084070DP**

Spare Part 3D Chain

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



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

**\$173.55**

**1380125070DP**

Spare Part 3D Chain

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



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

**\$39.34**

**9380000058**

Spare Part 3D Chain

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



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

**\$41.16**

**9380000059**

Spare Part 3D Chain

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



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

**\$41.16**

**9380000070**

Spare Part 3D Chain

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



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

**\$72.15**

**1382005071P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.



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

**\$78.00**

**1382070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.



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

**\$79.95**

**1383070101P**

Spare Part 3D Chain

Includes the shaft, casing and sleeve bearings.



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

**\$130.65**

**1380084050V**

Tiger (1/3" Shaft)

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



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

**\$140.40**

**1380084070V**

Tiger (1/3" Shaft)

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



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

**\$146.25**

**1380084100V**

Tiger (1/3" Shaft)

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



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

**\$156.00**

**1380084150V**

Tiger (1/3" Shaft)

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



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

**\$144.30**

**1380105070V**

Tiger (3/8" Shaft)

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



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

**\$150.15**

**1380105100V**

Tiger (3/8" Shaft)

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



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

**\$167.70**

**1380105150V**

Tiger (3/8" Shaft)

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



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

**\$167.70**

**1380105200V**

Tiger (3/8" Shaft)

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



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

**\$148.20**

**1380125070V**

Tiger (1/2" Shaft)

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



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

**\$154.05**

**1380125100V**

Tiger (1/2" Shaft)

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



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

**\$159.90**

**1380125150V**

Tiger (1/2" Shaft)

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



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

**\$171.60**

**1380125200V**

Tiger (1/2" Shaft)

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



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

**\$191.10**

**1380125250V**

Tiger (1/2" Shaft)

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



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

**\$185.25**

**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

**\$204.75**

**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

**\$189.15**

**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

**\$208.65**

**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

**\$220.35**

**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.



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

**\$243.75**

**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

**\$193.05**

**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

**\$214.50**

**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

**\$224.25**

**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

**\$253.50**

**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

**\$278.85**

**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

**\$181.35**

**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.



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

**\$193.05**

**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

**\$253.50**

#### **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

**\$185.25**

#### **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

**\$199.55**

#### **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

**\$263.25**

#### **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

**\$304.20**

#### **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

**\$187.20**

#### **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

**\$200.86**

#### **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

**\$267.15**

#### **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

**\$308.10**

#### **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

**\$341.25**

#### **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.



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

**\$146.25**

#### **1382084070P**

Tiger PVC (1/3" Shaft)

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



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

**\$156.00**

#### **1382084100P**

Tiger PVC (1/3" Shaft)

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



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

**\$150.15**

#### **1382105070P**

Tiger PVC (3/8" Shaft)

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



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

**\$159.90**

#### **1382105100P**

Tiger PVC (3/8" Shaft)

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

**NEW**



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

**\$169.65**

#### **1382105150P**

Tiger PVC (3/8" Shaft)

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

**NEW**



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

**\$154.05**

#### **1382125070P**

Tiger PVC (1/2" Shaft)

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

**NEW**



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

**\$163.80**

#### **1382125100P**

Tiger PVC (1/2" Shaft)

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

**NEW**



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

**\$173.55**

#### **1382125150P**

Tiger PVC (1/2" Shaft)

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





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

## SMART SPIDER

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

Designed for 4" and 6" pipes for the Super Midi Miller and Maxi Miller and 6", 8" & 9" pipes for the Maxi Power+.



# SPECIAL CLEANING TOOLS

## Mini Smart Sweeper

Compact, flexible and self-adjusting for tackling hard scale even through 2" p-traps. Versatile tool for tough cleaning scenarios including tuberculation, roots, calcite, & mineral/uranic scale in cast iron, concrete, clay & PVC pipes. There are 2" & 3" models for the Mini Cleaner & Mini Miller and a 4" version for the Super Midi & Maxi Millers.

**Now also available in 2", 3" & 4" for use with the Midi Cleaner 3/8" shaft!**





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

**\$942.50**

**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

**\$981.50**

**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

**\$52.33**

**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

**\$59.62**

**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

**\$116.09**

**1390100005**

Spider Spare Part

Spare Rubber for 4" and 6" Smart Spider.

Includes 10pcs.



### Smart Spider Axle

**\$95.52**

**1390100004**

Spider Spare Part

Spare Axle for 4" and 6" Smart Spider.

Includes 6pcs.



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

**\$399.10**

**1360080050**

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".

**NEW**



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

**\$516.10**

**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

**\$739.70**

**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

**\$419.25**

**1360120101**

Sweeper Spare Part

Spare Head for 4" Sweeper.



### Hub Disc for Smart Sweeper 2"

**\$24.84**

**1000200025**

Sweeper Spare Part

Hub Disc for 2" Smart Sweeper with Screws.



### Hub Disc for Smart Sweeper 3"

**\$28.90**

**1360080002**

Sweeper Spare Part

Hub Disc for 3" Smart Sweeper with Screws.



### Hub Disc for Smart Sweeper 4" & Smart Spider 4" & 6" \$28.90

**1390125001**

Sweeper Spare Part

Hub Disc for Smart Sweeper 4" & Smart Spider 4" & 6" with Screws.



### Mini Sweeper Leg 2"

**\$62.86**

**900000935**

Sweeper Spare Part

Price per leg (2 needed).



### Mini Sweeper Leg 3"

**\$88.24**

**900000942**

Sweeper Spare Part  
Price per leg (2 needed).



### Mini Sweeper Leg 4"

**\$97.01**

**900000938**

Sweeper Spare Part  
Price per Leg (6 needed).



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

**\$129.79**

**1300212025**

Sweeper Spare Part  
For 2" Smart Sweeper.



### Front Drill Head 4 Flat 1.57"-2" for Smart Sweeper 3" \$193.18

**1300214042**

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



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

**\$982.80**

**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"

**\$153.92**

**900000776**

Metal Grinder Spare Part  
Replacement Carborundum stone cutting head.



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

**\$964.60**

**1230085100CL**

Cleaning (1/2" Shaft)  
Designed for light cleaning and working in plastic & fragile pitch fiber & Orangeburg pipe.





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

**\$40.82**

#### **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

**\$42.38**

#### **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

**\$46.67**

#### **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

**\$58.11**

#### **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

**\$101.69**

#### **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

**\$105.46**

#### **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

**\$117.62**

#### **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.



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

**\$178.46**

#### **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

**\$182.52**

#### **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

**\$194.69**

#### **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

**\$198.74**

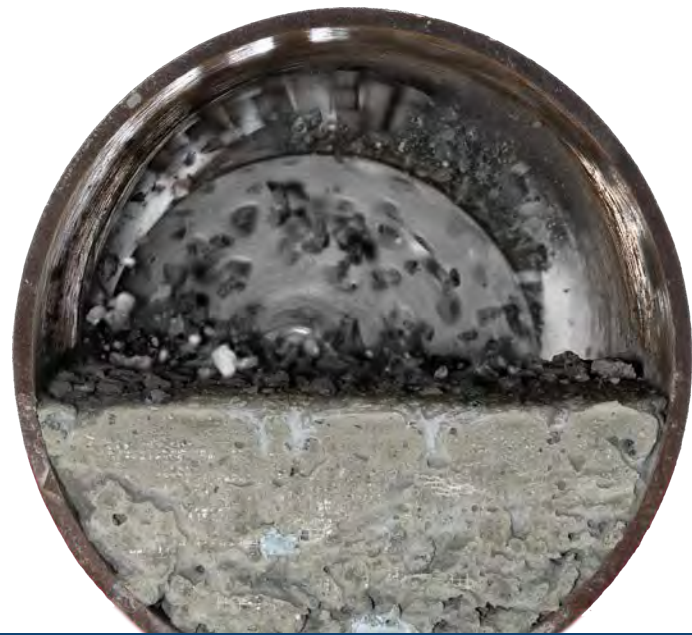
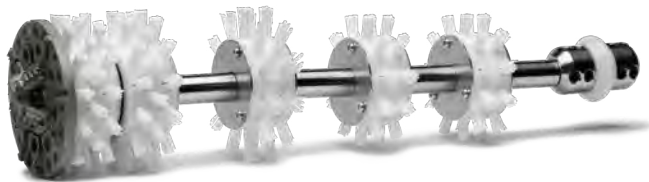
#### **2125012300CL**

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.

## NEW TIGER TWISTER LINER & CONCRETE REMOVER

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



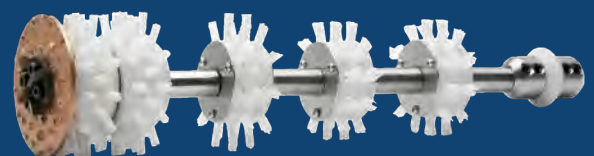
# TWISTER CONCRETE & LINER REMOVERS

### Twister Concrete Remover

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

### Twister Liner Remover

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







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

**\$1,571.70**

**1234085100**

Concrete Remover (1/2" Shaft)

3mm Front Metal Panel: 3.3" (1210510085). For efficient concrete, grout, slurry, & rock removal. Dual front brushes provide added stability while the heavy duty Front Metal Panel

with large carbides and specialized Front Drill Head deliver great results.



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

**\$1,642.68**

**1234125150**

Concrete Remover (1/2" Shaft)

3mm Front Metal Panel: 5" (1210510125). For efficient concrete, grout, slurry, & rock removal. Dual front brushes provide added stability while the heavy duty Front Metal Panel

with large carbides and specialized Front Drill Head deliver great results.



**Twister Concrete Remover 4" + Steering Axle - 1/2" Shaft \$1,693.38**

**1234085100SA**

Concrete Remover (1/2" Shaft)

3mm Front Metal Panel: 3.3" (1210510085). For efficient concrete, grout, slurry, & rock removal where pipe is less than 50% full of material and you have access points at both ends. Feed a Steering Wire through the pipe and attach it to Steering Axle (1100100055) on the Twister.



**Twister Concrete Remover 6" + Steering Axle - 1/2" Shaft \$1,774.50**

**1234125150SA**

Concrete Remover (1/2" Shaft)

3mm Front Metal Panel: 5" (1210510125). For efficient concrete, grout, slurry, & rock removal where pipe is less than 50% full of material and you have access points at both ends. Feed a Steering Wire through the pipe and attach it to Steering Axle (1100100055) on the Twister.



**Twister Liner Remover 4" Lined Pipe**

**\$1,490.58**

**1233075100**

Liner Remover (1/2" Shaft)

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



**Twister Liner Remover 4" for Unlined Pipe**

**\$1,490.58**

**1233085100**

Liner Remover (1/2" Shaft)

Features two front brushes for stability with a custom built flat Drill Head. The 3mm Front Metal Panel 3.3" (1210410085) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.



**Twister Liner Remover 6" for Lined Pipe**

**\$1,612.26**

**1231115150Y**

Liner Remover (1/2" Shaft)

Features two front brushes for stability with a custom built flat Drill Head. The 3mm Front Metal Panel 4.5" (1210410115) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.



### Twister Liner Remover 6" for Unlined Pipe

**\$1,612.26**



#### **1230125150Y**

Liner Remover (1/2" Shaft)

Features two front brushes for stability with a custom built flat Drill Head. The 3mm Front Metal Panel 5" (1210410125) has aggressive carbides resulting in efficient liner removal in cast iron and concrete pipes.

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

**\$1,628.25**



#### **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

**\$1,647.75**



#### **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.



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

**\$1,745.25**



#### **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

**\$1,764.75**



#### **1263125150**

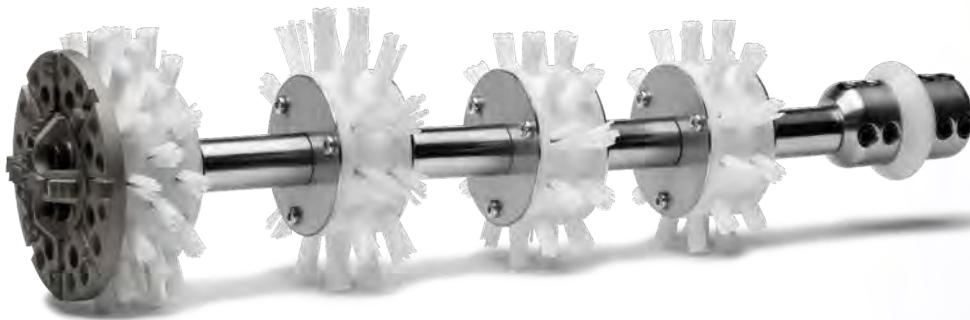
Liner & Concrete Remover (1/2" Shaft)

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.



## NEW TIGER TWISTER

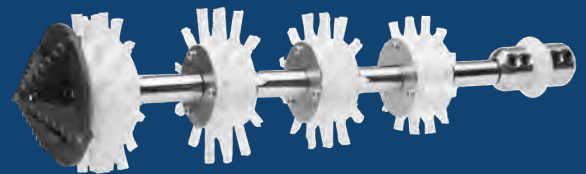
The Tiger Twister is a fast and efficient lateral cutter that produces a clean, impressive reinstatement every time, especially with fibreglass liners and UV resins. It has a precision manufactured milling plate equipped with the specially hardened Tiger carbides.



# TWISTER LATERAL CUTTERS

## TWISTER MINI FLEXI

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



## TAKE THE EXPRESS WAY

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

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

**\$887.25**



**1230000054**

Lateral Cutter (1/3" Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000053.

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

**\$950.30**



**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.

Spare Drill Head: 1230000053.

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

**\$996.45**



**1230000074**

Lateral Cutter (1/3" Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000073.

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

**\$1,033.50**



**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.

Spare Drill Head: 1230000073.

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

**\$1,098.50**



**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.

Spare Drill Head: 900000987.

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

**\$1,145.30**



**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.

Spare Drill Head: 900000988.

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

**\$1,297.40**



**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" Spare Drill Head: 1300214075.





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

**\$1,367.60**

**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" Spare Drill Head: 1300214085.



### Tiger Twister Lateral Cutter for 4" Lined

**\$1,462.50**

**1262075100**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 3", thickness 6mm (1260000075).



### Tiger Twister Lateral Cutter 4" Unlined

**\$1,462.50**

**1262085100**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 3.3", thickness 6mm (1260000085).



### Tiger Twister Lateral Cutter for 5" Lined

**\$1,491.75**

**1262090125**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 3.5", thickness 6mm (1260000090).



### Tiger Twister Lateral Cutter 5" Unlined

**\$1,491.75**

**1262100125**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 4", thickness 6mm (1260000100).



### Tiger Twister Lateral Cutter 6" Lined

**\$1,550.25**

**1262115150**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 4.5", thickness 6mm (1260000115).



### Tiger Twister Lateral Cutter 6" Unlined

**\$1,550.25**

**1262125150**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 5", thickness 6mm (1260000125).





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

**\$1,706.25**

**1262175200**

Lateral Cutter (1/2" Shaft)

Reinstate connections even with Fiberglass Liners & UV Resins, creating an impressive initial opening. Features a precision Front Metal Panel and Front Drill Head equipped with extra-hard Tiger carbides. Front Metal Panel: 7", thickness 6mm (1260000175).



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

**\$1,429.74**

**1230075100Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 3", thickness 1mm. (1210310075)

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



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

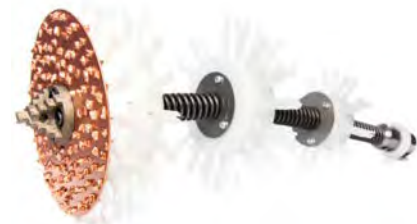
**\$1,429.74**

**1230085100Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 3.3", thickness 1mm. (1210310085).

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



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

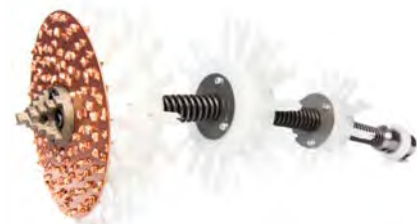
**\$1,571.70**

**1230115150Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 4.5", thickness 1mm. (1210310115).

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



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

**\$1,571.70**

**1231125150Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 5", thickness 1mm. (1210310125).

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



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

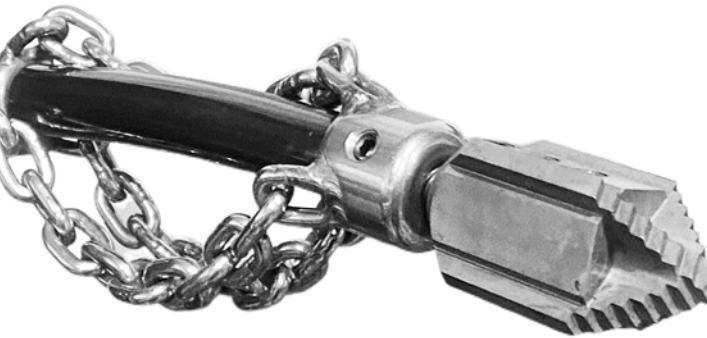
**\$1,926.60**

**1230175200Y**

Lateral Cutter (1/2" Shaft)

Front Metal Panel: 7", thickness 1mm. (1210310175).

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



## WIPE OUT THE COMPETITION!

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

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

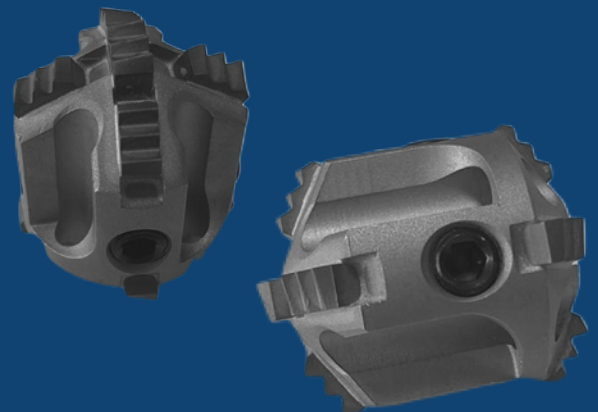
They can also be used to create an initial CIPP connection opening in pipes when larger tools like the Twister cannot fit, or where a Front Drill Head and Front Panel cannot be attached to a Smart Cutter™.



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

# SPECIAL DRILL HEADS & TIGER BORES

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





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

**\$274.88**

#### **1310820029**

Reinstatements & Cleaning (1/3" Shaft)

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



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

**\$297.09**

#### **1310820042**

Reinstatements & Cleaning (1/3" Shaft)

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



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

**\$325.04**

#### **1310830055**

Reinstatements & Cleaning (1/3" Shaft)

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



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

**\$342.24**

#### **1311230055**

Reinstatements & Cleaning (1/2" Shaft)

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



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

**\$355.96**

#### **1311240071**

Reinstatements & Cleaning (1/2" Shaft)

For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .5(S)x1.6(D)x2.8(L).



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

**\$371.52**

#### **1311250091**

Reinstatements & Cleaning (1/2" Shaft)

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



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

**\$325.04**

#### **1310833055**

Reinstatements & Cleaning (1/3" Shaft)

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

**\$342.24**

#### **1311233055**

Reinstatements & Cleaning (1/2" Shaft)

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

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

**\$403.87**

#### **1311234071**

Reinstatements & Cleaning (1/2" Shaft)

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

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

**\$371.52**

#### **1311235091**

Reinstatements & Cleaning (1/2" Shaft)

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

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

**\$310.71**

#### **1310812029**

Reinstatements & Cleaning (1/3" Shaft)

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

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



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

**\$342.14**

#### **1310812042**

Reinstatements & Cleaning (1/3" Shaft)

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

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



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

**\$369.06**

#### **1310813055**

Reinstatements & Cleaning (1/3" Shaft)

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

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



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

**\$387.59**

#### **1311213055**

Reinstatements & Cleaning (1/2" Shaft)

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

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





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

**\$403.87**

**1311214071**

Reinstatements & Cleaning (1/2" Shaft)

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

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



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

**\$440.52**

**1311215091**

Reinstatements & Cleaning (1/2" Shaft)

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

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



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

**\$300.47**

**1310823055**

Reinstatements(1/3" Shaft)

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

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



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

**\$313.78**

**1311223055**

Reinstatements (1/2" Shaft)

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

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



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

**\$332.21**

**1311224071**

Reinstatements (1/2" Shaft)

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

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



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

**\$366.40**

**1311225091**

Reinstatements (1/2" Shaft)

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

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



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

**\$329.55**

**1261084030**

Reinstatements & Cleaning (1/3" Shaft)

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

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



### Tiger Bore (1.5") for 2-3" Pipe - 1/3" Shaft

**\$341.25**

**1261084040**

Reinstatements & Cleaning (1/3" Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete. Tiger carbides ensure maximum working efficiency, durability, and power.



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

**\$337.35**

**1261125030**

Reinstatements & Cleaning (1/2" Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete. Tiger carbides ensure maximum working efficiency, durability, and power.



### Tiger Bore (1.5") for 3" Pipe - 1/2" Shaft

**\$356.85**

**1261125040**

Reinstatements & Cleaning (1/2" Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete. Tiger carbides ensure maximum working efficiency, durability, and power.



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

**\$368.55**

**1261125050**

Reinstatements & Cleaning (1/2" Shaft)

Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout & concrete. Tiger carbides ensure maximum working efficiency, durability, and power.

# MINI CLEANER TOOLS

Check out our video of the Smart Sweeper at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)



## Smart Cutter™

For descaling and general cleaning. Also for smoothing down connections after reinstatements.



## Cleaning Chain or Brush

For descaling and general cleaning. Cleaning Brushes are suitable for very fragile pipes.



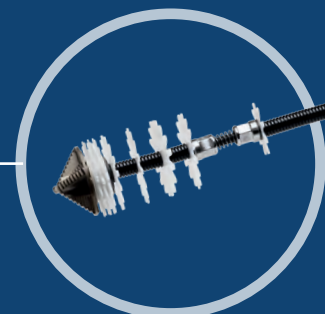
## Special Drill Head

For cleaning and reinstatements.



## Mini Smart Sweeper

For removing hard scale or breaking up FOGs from inside the pipe.



## Twister Mini Flexi

Open lateral connections fast, even through P-traps. Available for 2" or 3" pipes.





### Mini Cleaner US

**\$5,196.10**

**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.



### Mini Cleaner +C - 1/3" Shaft **\$7,965.10 (Clean) \$7,750.60 (Cut)**

**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). Weight: 59lbs. 500-2900rpm. Camera Specs: Head Diameter 9/16", 98ft cable, 512hz integrated sonde. 7" color monitor. Lighting: 8 LEDs with brightness control. Digital footage counter. Stainless steel camera head (IP68).



### Battery Powered Mini Cleaner US **\$ 8,027.50 (Clean) \$ 8,320.00 (Cut)**

**3540002816US (Cleaning Package) 3540002818US (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). Weight: 73lbs. Standard Battery Weight: 8lbs 550-2200rpm. Stepless Speed Control (forward & reverse)



### Battery Powered Mini Cleaner +C US **\$10,361.00(Clean) \$10,647.00(Cut)**

**3540003816US (Cleaning Package) 3540003818US (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). Weight: 84lbs. 550-2200rpm Stepless Speed Control Camera Specs: Head Diameter 9/16", 98ft cable. Stainless steel camera head (IP68). 7" color monitor. Lighting: 8 LEDs with brightness control Digital footage counter.



### Cleaning Tools Package

**\$404.30**

**3540000818CL**

Cleaning (1/3" Shaft)

Includes 1x Mini Smart Sweeper 1.5"-2" (1360080050), 1x Smart Cleaner Hub 1 1/4"-1.57" (1000818025), 1x Side Grinding Panel 1.57" Package (1201030050), 1x Cleaning Chain 1.5" & 1x Front Drill Head 1" for 2" pipes (1300212025).



### Cutting Tools Package

**\$1,056.90**

**3540000818CU**

Cutting (1/3" Shaft)

Includes 1x Mini Smart Sweeper 1.5"-2" (1360080050), 1x Smart Cleaner Hub 1 1/4"-1.57" (1000818025), 1x Side Grinding Panel 1.57" Package (1201030050) & Twister Mini Flexi 2" (1230000054).



### Smart Cleaner Hub 1 1/4"-1.57" - 1/3" Shaft

**\$55.87**

**1000818025**

Cleaning & Cutting (1/3" Shaft)

Use with Side Grinding, Polishing and Cleaning Panels with no wedge.





### Cleaning Panel 1 1/4" Package (1.37x1.77" No Wedge) \$24.95

**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" Package (1.57x2" No Wedge) \$31.03

**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 \$19.11

**1381084032**

Cleaning (1/3" Shaft)

No carbides. For Mini Cleaner.



### Cleaning Chain 1.5" - 1/3" Shaft \$19.31

**1381084040**

Cleaning (1/3" Shaft)

No carbides. For Mini Cleaner.



### Cleaning Brush 1 1/4" - 1/3" Shaft \$25.74

**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 \$25.74

**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 \$438.75

**131203108517**

Mini Cleaner Spare Part

Replacement shaft and flexible spring outer casing for Mini Cleaner.



### Mini Cleaner Shaft Spring Casing 54ft

**\$321.75**

**9311713099**

Mini Cleaner Spare Part  
Replacement spring outer casing for Mini Cleaner.



### Silicone Spring Package for Mini Cleaner

**\$107.25**

**900001205**

Mini Cleaner Spare Part  
Replacement silicone spring (Red) for Mini Cleaner (5 pieces).



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

**\$60.84**

**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.



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

**\$81.12**

**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

**\$48.67**

**1380084050P**

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.



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

**\$130.65**

**1380084050V**

Cleaning (1/3" 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

**\$185.25**

**1380084070VP**

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

**\$181.35**

**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

**\$32.66**

**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

**\$33.68**

**2120000100**

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 4" - 1/3" Shaft

**\$36.34**

**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)

**\$30.42**

**1202025040**

Cleaning & Cutting (1/3" Shaft)

Sold in packages of 12 panels.



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

**\$35.10**

**1202030050**

Cleaning & Cutting (1/3" Shaft)

Sold in packages of 12 panels.



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

**\$399.10**

**1360080050**

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

**\$516.10**

**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".



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

**\$129.79**

**1300212025**

Cleaning (1/3" Shaft)

For 2" Smart Sweeper



### Front Drill Head 4 Flat 1.57"-2" for Smart Sweeper 3" **\$193.18**

**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.



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

**\$24.84**

**1000200025**

Sweeper Spare Part

Hub Disc (0x25x4) with Screws.



### Hub Disc for Smart Sweeper 3"

**\$28.90**

**1360080002**

Sweeper Spare Part

Hub Disc for 3" Smart Sweepers.



### Mini Sweeper Leg 2"

**\$62.86**

**900000935**

Cleaning (1/3" Shaft)

Price per Leg. (2 needed).



### Mini Sweeper Leg 3"

**\$88.24**

**900000942**

Sweeper Spare Part

Price per Leg. (2 needed).





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

**\$887.25**

**1230000054**

Cutting (1/3" Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000053.



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

**\$996.45**

**1230000074**

Cutting (1/3" Shaft)

For reinstatements through problematic bends, multiple bends or P-traps.

Spare Drill Head: 1230000073.



### Special Drill Head Cutter 1"

**\$183.25**

**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 tumble on obstacles/connections to make hole larger than the physical size of drill head.

# MIDI CLEANER TOOLS



Check out our video of the Smart Sweeper at:  
[YouTube.com/PicoteSolutions](https://www.youtube.com/PicoteSolutions)



## Smart Cutter™

For descaling and general cleaning. Also for smoothing down connections after reinstatements.



## Cleaning Chain or Brush

For descaling and general cleaning. Cleaning Brushes are suitable for very fragile pipes.



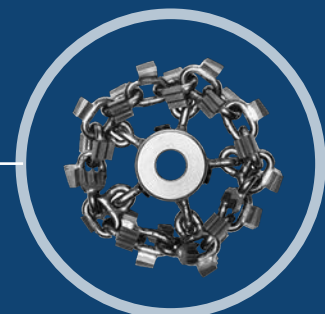
## Special Drill Head

For cleaning and reinstatements.



## Mini Smart Sweeper

For removing hard scale or breaking up FOGs from inside the pipe.



## Tiger Cyclone Chain

A gentle, lightweight option for cleaning cast iron pipes, with extra-hard, long lasting carbide teeth.



### Midi Cleaner

**\$10,384.40**

#### **3551031000US**

3/8" Shaft

High Speed Cleaning 2-6", Cutting 2-4" & Brush Coating 3-8"

Range: 75ft. Max Range: 107ft with extension.

Weight: 143lbs. 500-1500rpm.

Can be extended 32ft (Extension: 1312020105010 Shaft 3/8" 32ft)



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

**\$111.03**

#### **1001020040**

2 Panel Hub with No Wedge (3/8" Shaft)

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

Measurement: .39(S)x.79(D)x1.57(L).



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

**\$111.54**

#### **1001020060**

2 Panel Hub with No Wedge (3/8" Shaft)

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

Measurement: .39(S)x.79(D)x2.36(L).



### Hub 2" Narrow 2W for 3" Pipe - 3/8" Shaft

**\$111.54**

#### **1001020050**

2 Panel Hub with Wedge (3/8" Shaft)

2" pipe. Use with Side Grinding Panel 2x4" & Wedged Hub Disc.

Measurement: .39(S)x.8(D)x2(L).



### Hub 3" Narrow 2W for 4" Pipe - 3/8" Shaft

**\$115.60**

#### **1001020075**

2 Panel Hub with Wedge (3/8" Shaft)

3" pipe. Use with Side Grinding Panel 3x5" & Wedged Hub Disc.

Measurement: .39(S)x.8(D)x3(L).



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

**\$111.54**

#### **1001035050A**

4 Panel Hub with Wedge (3/8" Shaft)

3-4" pipe. 1/3" shaft. Use with Side Grinding Panel 2x4" with wedge & Wedged Hub Disc. (diameter 1.4"). Material: Aluminum.

Measurement: .39(S)x1.4(D)x2(L).



### Hub 3" for 4" Pipe - 3/8" Shaft

**\$117.00**



#### **1001035075A**

4 Panel Hub with Wedge (3/8" Shaft)

4" pipe. Use with Side Grinding Panel 3x5" & Hub Disc Small.

Material: Aluminium.

Measurement: .39(S)x1.4(D)x2.95(L).

NEW		<b>Hub 4" for 4-6" Pipe - 3/8" Shaft</b> <b>\$126.75</b>
		<b>1001040100A</b> 4 Panel Hub with Wedge (3/8" Shaft) 4-6" pipes. Use Side Grinding Panel 4x6" & Hub Disc Large. Material: Aluminium. Measurement: .39(S)x1.6(D)x4(L).
NEW		<b>Special Drill Head Cutter for 3" Pipe - 3/8" Shaft</b> <b>\$342.24</b>
		<b>1311030055</b> Cleaning & Cutting (3/8" Shaft) For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .39(S)x1.18(D)x2.17(L).
NEW		<b>Special Drill Head Cutter for 3" Pipe - 3/8" Shaft</b> <b>\$355.95</b>
		<b>1311040071</b> Cleaning & Cutting (3/8" Shaft) For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .39(S)x1.57(D)x2.8(L).
NEW		<b>Special Drill Head Cutter for 3-4" Pipe - 3/8" Shaft</b> <b>\$371.51</b>
		<b>1311050091</b> Cleaning & Cutting (3/8" Shaft) For use in cast iron pipes for initial liner opening and blockages. Square design/side blades allow the cutter to tumble on obstacles/connections to make hole larger than physical size of drill head. Measurement: .39(S)x1.97(D)x3.58(L).
NEW		<b>Special Drill Head Cutter 2.0 for 3" Pipe - 3/8" Shaft</b> <b>\$342.24</b>
		<b>1311033055</b> Cleaning & Cutting (3/8" Shaft) Similar features to the Standard Cutter but works better for cutting through soft materials. Drill head stays sharper when used for reinstatements. Measurement: .39(S)x1.18(D)x2.17(L).
NEW		<b>Special Drill Head Cutter 2.0 for 3-4" Pipe - 3/8" Shaft</b> <b>\$403.86</b>
		<b>1311034071</b> Cleaning & Cutting (3/8" Shaft) Similar features to the Standard Cutter but works better for cutting through soft materials. Drill head stays sharper when used for reinstatements. Measurement: .39(S)x1.57(D)x2.8(L).
NEW		<b>Special Drill Head Cutter 2.0 for 3-4" Pipe - 3/8" Shaft</b> <b>\$371.51</b>
		<b>1311035091</b> Cleaning & Cutting (3/8" Shaft) Similar features to the Standard Cutter but works better for cutting through soft materials. Drill head stays sharper when used for reinstatements. Measurement: .39(S)x1.97(D)x3.58(L).



 	<p><b>Special Drill Head PVC for 3" Pipe - 3/8" Shaft</b> <b>\$387.60</b></p> <p><b>1311013055</b> Cleaning &amp; Cutting (3/8" Shaft) Drill head with safety ring to safely operate inside PVC &amp; clay pipes and make initial cut. Measurement: .39(S)x1.18(D)x2.17(L).</p>
 	<p><b>Special Drill Head PVC for 3" Pipe - 3/8" Shaft</b> <b>\$403.86</b></p> <p><b>1311014071</b> Cleaning &amp; Cutting (3/8" Shaft) Drill head with safety ring to safely operate inside PVC &amp; clay pipes and make initial cut. Measurement: .39(S)x1.57(D)x2.8(L).</p>
 	<p><b>Special Drill Head PVC for 3-4" Pipe - 3/8" Shaft</b> <b>\$440.52</b></p> <p><b>1311015091</b> Cleaning &amp; Cutting (3/8" Shaft) Drill head with safety ring to safely operate inside PVC &amp; clay pipes and make initial cut. Measurement: .39(S)x1.97(D)x3.58(L).</p>
 	<p><b>Tiger Bore (1.2") for 3" Pipe - 3/8" Shaft</b> <b>\$337.35</b></p> <p><b>1261010030</b> Cleaning &amp; Cutting (3/8" Shaft) Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout &amp; concrete. Tiger carbides ensure maximum working efficiency, durability, and power.</p>
 	<p><b>Tiger Bore (2") for 3-4" Pipe - 3/8" Shaft</b> <b>\$368.55</b></p> <p><b>1261010050</b> Cleaning &amp; Cutting (3/8" Shaft) Highly efficient at reinstating lined connections and opening up blockages. Cut through collapsed liners to make room for larger removal tools. Remove grout &amp; concrete. Tiger carbides ensure maximum working efficiency, durability, and power.</p>
 	<p><b>Cleaning Chain 2" - 3/8" Shaft</b> <b>\$39.00</b></p> <p><b>1381010550</b> Cleaning (3/8" Shaft) No carbides. For Midi Cleaner.</p>
 	<p><b>Cleaning Chain 3" - 3/8" Shaft</b> <b>\$42.90</b></p> <p><b>1381010570</b> Cleaning (3/8" Shaft) No carbides. For Midi Cleaner.</p>



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

**\$68.39**

#### **1380105070**

Standard (3/8" Shaft)

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



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

**\$70.14**

#### **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

**\$78.21**

#### **1380105150**

Standard (3/8" Shaft)

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



### Original PVC Chain 3' - 3/8' Shaft

**\$60.45**

#### **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

**\$64.86**

#### **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.



### Original PVC Chain 5-6' - 3/8' Shaft

**\$72.54**

#### **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.



### Cyclone Standard Chain 3' - 3/8' Shaft

**\$92.14**

#### **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

**\$104.42**

#### **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

**\$131.04**

#### **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

**\$133.09**

#### **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 PVC Chain 3" - 3/8" Shaft

**\$70.20**

#### **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

**\$76.05**

#### **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.



### Cyclone PVC Chain 5" - 3/8" Shaft

**\$83.85**

#### **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

**\$87.75**

#### **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.



 	<p><b>3D Premium Chain 2-3" w/Leader - 3/8" Shaft</b> <b>\$290.16</b></p> <p><b>1384005070</b> Premium (3/8" Shaft) Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.</p>
 	<p><b>3D Premium Chain 3-4" w/Leader - 3/8" Shaft</b> <b>\$315.31</b></p> <p><b>1384070100</b> Premium (3/8" Shaft) Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.</p>
 	<p><b>3D Premium Chain 4-6" w/Leader - 3/8" Shaft</b> <b>\$357.86</b></p> <p><b>1384100150</b> Premium (3/8" Shaft) Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. Unique 'U carbide' (7-ridge). Includes special Leader.</p>
 	<p><b>3D PVC Chain 2-3" w/Leader - 3/8" Shaft</b> <b>\$216.65</b></p> <p><b>1384005070P</b> Premium (3/8" Shaft) Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. No carbides. For plastic or fragile pipes. Includes special Leader.</p>
 	<p><b>3D PVC Chain 3-4" w/Leader - 3/8" Shaft</b> <b>\$241.80</b></p> <p><b>1384070100P</b> Premium (3/8" Shaft) Save time and money at the worksite. By controlling the speed, the 3D Chain continues to expand as it removes material until it reaches its maximum size. Also for navigating diameter transitions. No carbides. For plastic or fragile pipes. Includes special Leader.</p>
	<p><b>Tiger Original Chain 3" - 3/8" Shaft</b> <b>\$144.30</b></p> <p><b>1380105070V</b> Tiger (3/8" Shaft) Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.</p>
	<p><b>Tiger Original Chain 4" - 3/8" Shaft</b> <b>\$150.15</b></p> <p><b>1380105100V</b> Tiger (3/8" Shaft) Equipped with extra-hard, very long lasting carbide teeth with a lighter chain material to create a gentle but extremely durable option for cleaning cast iron pipes.</p>





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

**\$167.70**

#### **1380105150V**

Tiger (3/8" Shaft)

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



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

**\$167.70**

#### **1380105200V**

Tiger (3/8" Shaft)

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



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

**\$189.15**

#### **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

**\$208.65**

#### **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

**\$220.35**

#### **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.



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

**\$243.75**

#### **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 Cyclone Chain 3' - 3/8' Shaft

**\$185.25**

#### **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

**\$199.55**

#### **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

**\$263.25**

#### **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

**\$304.20**

#### **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.



### 3/8" Leader 19.7" long

**\$115.05**

#### **1401000500**

Leader

**NEW**



### Mini Smart Sweeper 2" - 3/8" Shaft

**\$551.30**

#### **1360100050**

Cleaning (3/8" Shaft)

Revolutionary solution for 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 0.98" & Hub Disc 2".

**NEW**



### Mini Smart Sweeper 3" - 3/8" Shaft

**\$648.02**

#### **1360100075**

Cleaning (3/8" 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".

**NEW**

















### Mini Smart Sweeper 4" - 3/8" Shaft

**\$696.38**

#### **1360100100**

Cleaning (3/8" 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.

 	<p><b>Coating/Cleaning Brush 3" for 2" Pipe</b> <b>\$35.10</b></p> <p><b>2120010075</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 4" for 3" Pipe</b> <b>\$37.05</b></p> <p><b>2120010100</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 5" for 4" Pipe</b> <b>\$40.95</b></p> <p><b>2120010125</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 6" for 4" Pipe</b> <b>\$46.80</b></p> <p><b>2120010150</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 7" for 5" Pipe</b> <b>\$48.75</b></p> <p><b>2120010175</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 8" for 6" Pipe</b> <b>\$54.60</b></p> <p><b>2120010200</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>
 	<p><b>Coating/Cleaning Brush 9" for 7" Pipe</b> <b>\$58.50</b></p> <p><b>2120010225</b> Cleaning (3/8" Shaft) Custom designed, high-quality and long lasting brush with nylon bristles for brush coating and cleaning PVC pipes. Clean with acetone and reuse.</p>



### Coating/Cleaning Brush 10" for 8" Pipe

**\$64.35**

#### **2120010250**

Cleaning (3/8" Shaft)

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

Clean with acetone and reuse.



## A HEAD THAT WEARS MANY HATS

The **Tiger Twister Front Drill Head (FDH)** is an attachment to be used with the Tiger Twister Front Metal Panel as a center drill. The durable, multi-use Tiger FDH can also be used with Picote's Standard Twister, Twister Liner Remover and Twister.

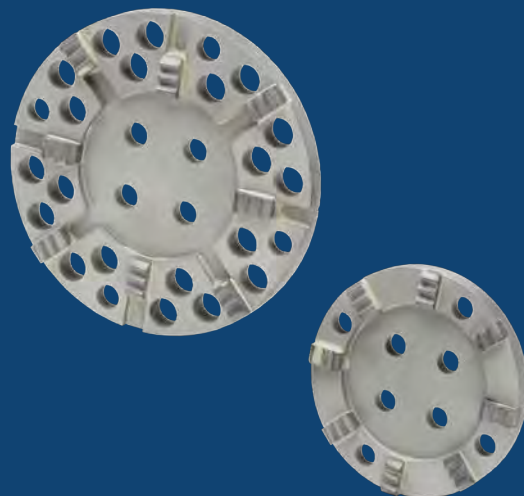


The original **Front Metal Panel** is available in 3 models: 1mm for lateral cutters, 3mm for concrete removal and 3mm for liner removal.

# FRONT PANELS & DRILL HEADS

The new **Tiger Front Metal Panel** has a precision manufactured milling plate equipped with specially hardened Tiger carbides.

The Tiger Front Metal Panel and Tiger Twister Front Drill Head can be also be added to the Smart Cutter™.





### Front Drill Head 3"

**\$414.70**

**1300214075**

Twister Express

Spare Head for Twister Express 4" for Lined Pipe.



### Front Drill Head 3.3"

**\$455.00**

**1300214085**

Twister Express

Spare Head for Twister Express 4" for Unlined Pipe.



### Front Drill Head Kit for Twister Express 2"

**\$465.40**

**1230000053**

Twister Express & Twister Mini Flexi

Replacement Front Drill Head Kit, includes Front Drill Head and front brush.

Can also be used as a spare for Twister Mini Flex 2".



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

**\$516.10**

**1230000073**

Twister Express & Twister Mini Flexi

Replacement Front Drill Head Kit, includes Front Drill Head and front brush.

Can also be used as a spare for Twister Mini Flexi 3".



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

**\$516.10**

**900000987**

Twister Express

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

**\$516.10**

**900000988**

Twister Express

Replacement Front Drill Head Kit for 3" Twister Express for unlined pipe.

Includes Front Drill Head and front brushes.



### Front Metal Panel 2.2"

**\$50.77**

**1210310055**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 3"

**\$61.66**

**1210310075**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 3.3"

**\$64.01**

**1210310085**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 4.5"

**\$73.20**

**1210310115**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 5"

**\$78.72**

**1210310125**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 7"

**\$91.36**

**1210310175**

Twister & Smart Cutter™

Spare part. Thickness 1mm. Grit 10.

1mm Front Metal Panel. Flexibility combined with carbides at the rear of the panel provide an advantage in reinstatement situations where the panel gets stuck.



### Front Metal Panel 3" for Liner Remover

**\$108.68**

**1210410075**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 3.3" for Liner Remover

**\$117.44**

**1210410085**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.





### Front Metal Panel 4.5" for Liner Remover

**\$136.25**

#### **1210410115**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 5" for Liner Remover

**\$141.60**

#### **1210410125**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 7" for Liner Remover

**\$188.50**

#### **1210410175**

Twister Liner Remover

Spare part. Panel thickness: 3mm. Grit 10

3mm Front Metal Panel for Twister Liner Remover with additional carbides on the back.



### Front Metal Panel 3" for Concrete Remover

**\$244.40**

#### **1210510075**

Twister Concrete Remover

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 3.3" for Concrete Remover

**\$247.00**

#### **1210510085**

Twister Concrete Remover

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 3.75" for Concrete Remover

**\$256.10**

#### **1210510095**

Twister Concrete Remover

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



### Front Metal Panel 4.5" for Concrete Remover

**\$282.10**

#### **1210510115**

Twister Concrete Remover

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.





### Front Metal Panel 5" for Concrete Remover

**\$305.50**

**1210510125**

Twister Concrete Remover

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



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

**\$321.75**

**1210510130**

Twister Concrete Remover+

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



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

**\$368.55**

**1210510175**

Twister Concrete Remover+

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



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

**\$419.25**

**1210510200**

Twister Concrete Remover+

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

3mm Front Metal Panel for Twister Concrete Remover with larger carbides.



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

**\$296.40**

**1260000058**

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

**\$321.75**

**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

**\$347.10**

**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 3.5" for 5" Pipe

**\$352.95**

**1260000090**

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" for 5" Pipe

**\$366.60**

**1260000100**

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

**\$407.55**

**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

**\$425.10**

**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

**\$551.85**

**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"

**\$306.15**

**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"

**\$335.40**

**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 5.5"

**\$485.55**

**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"

**\$8.78**

**1220210055**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 3"

**\$9.92**

**1220210075**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 3.3"

**\$9.92**

**1220210085**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Plastic Panel 5"

**\$10.83**

**1220210125**

Smart Cutter™

Gentle option for PVC or special situations in fragile pipes.

Sold in packages of 10 panels.



### Front Drill Head 3 Ridged Hardened 1.38"

**\$180.51**

**1300212035**

Twister & Smart Cutter™

Use with Twister with Front Metal Panels.

Also use with Smart Cutter™ with Front Metal or Front Plastic Panels.



### Front Drill Head Twister Concrete Remover

**\$347.62**

**1300215040**

Twister Concrete Remover

Use with Twister Concrete Remover with Front Metal Panels.



### Tiger Front Drill Head 1.5"

**\$243.75**

**1260010038**

Twister & Smart Cutter™

Use with any Twister or Smart Cutter™.



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

**\$253.80**

**1300214040**

Twister Liner Remover

Use with Twister Liner Remover with Front Metal Panels.



### Steering Axle 2.16"

**\$74.63**

**1100100055**

Concrete Remover Spare Part

For fine-tuning or steering tools.



### Bearing for Steering Axle

**\$13.74**

**1100200001**

Concrete Remover Spare Part

Use with Steering Axle.





## LEAD THE WAY

Leaders are pre-built, allowing the operator to quickly switch between different tooling in the field. Using Leaders saves time and extends the life of the flexible shaft.



Leaders are attached to the shaft via a shaft connector, ensuring the optimal amount of shaft is exposed outside of the outer casing. Many Picote tools can be built with Leaders, which is especially beneficial for Original Chains, Cyclone Chains and Smart Cutter™ Hubs.



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

# SHAFTS, SLEEVES & SHAFT CONNECTORS

## SHAFT LUBRICANT

Prolong the lifespan of your Miller with Picote's Flexible Shaft Lubricant. Instructions on maintaining the shaft, including how to lubricate are included in your Miller operating manuals. Further information and guides can be found on the Picote Institute:  
[www.picoteinstitute.com](http://www.picoteinstitute.com)



## Shafts | Leaders | Shaft Sockets



### Flexible Shaft 1/4"

1312020065025	25ft	\$ 267.94
1312020065050	50ft	\$ 535.87



### Flexible Shaft 1/3" (Thick Casing)

1312030085010	32ft	\$ 345.51
1312030085025	25ft	\$ 263.28
1312030085050	50ft	\$ 526.55
1312030085075	75ft	\$ 789.83
1312030085100	100ft	\$ 1,053.12



### Flexible Shaft 3/8"

1312020105005	16.4ft	\$ 154.25
1312020105010	32ft	\$ 308.49
1312020105015	49ft	\$ 462.74
1312020105020	65.5ft	\$ 616.98



### Flexible Shaft 1/2"

1312020125010	32ft	\$ 457.55
1312020125025	25ft	\$ 348.65
1312020125050	50ft	\$ 697.31
1312020125075	75ft	\$ 1,045.95
1312020125100	100ft	\$ 1,394.60



### Flexible Shaft 1/2" (Thick Casing)

1312021125050	50ft	\$ 781.87
1312021125075	75ft	\$ 1,172.77
1312021125100	100ft	\$ 1,563.69



### Flexible Shaft 3/4"

1312021180011	36 ft	\$ 832.00
1312021180020	67 ft	\$1,550.25



### Shaft Casing

9331008000	Thick Outer Casing for 1/3" shaft	14.14 \$ per 3.28ft
9330012000	Regular Outer Casing for 1/2" shaft	17.07 \$ per 3.28ft
9331012000	Thick Outer Casing for 1/2" shaft	18.53 \$ per 3.28ft
3212323196	Outer Casing for 3/4" shaft	55.09 \$ per 3.28ft

## Shafts | Leaders | Shaft Sockets



### Miller Replacement Shaft (1/3" & 3/8" Shaft)

1312030085014	Micro Miller (43.6ft)	\$ 426.71
1312030085017	Mini Miller (54.7ft)	\$ 621.92
131203108517	Mini Cleaner (54.1ft)	\$ 438.75
1312020105025	Super Midi 3/8" Shaft (82ft)	\$ 771.23



### Miller Replacement Shaft (1/2" & 3/4" Shaft)

1312020125013	Midi Miller (44ft)	\$ 617.70
1312020125022	Super Midi (70ft)	\$ 898.78
1312021125033	Maxi Miller (108ft)	\$ 1,692.98
1312021180020	Maxi Power+ (67ft)	\$ 1,550.25



### Shaft Socket for Drill

1310000065	For 1/4" shaft	\$ 92.43
1310000085	For 1/3" shaft	\$ 63.34
1310000105	For 3/8" shaft	\$ 62.40
1310000125	For 1/2" shaft	\$ 67.37



### Shaft Connector

9123050001	1/3" / 1/3"	\$ 75.54	900000336	1/3" / 3/8"	\$ 80.60
1313002105	3/8" / 3/8"	\$ 93.60	1313001285	1/2" / 1/3"	\$ 86.58
1313002125	1/2" / 1/2"	\$ 80.00	900000234	1/2" / 3/8"	\$ 99.27
1313002185	3/4" / 3/4"	\$ 158.18			



### Sleeves

93212321085	For 1/3" (thick casing)	\$ 27.79
93212322105	For 3/8"	\$ 34.03
93212321125	For 1/2"	\$ 34.03
93212322125	For 1/2" (thick casing)	\$ 34.03



### Leaders

1400800500	1/3" Leader 19.7"	\$ 109.82
1401000500	3/8" Leader 19.7"	\$ 116.35
1401200500	1/2" Leader 19.7"	\$ 122.20
1401800500	3/4" Leader 19.7"	\$ 340.60



### Shaft Lubricant Oil

1350000020	Shaft Lubricant (17 oz)	\$ 25.86
1350000021	Shaft Lubricant Package, includes 6 bottles	\$ 127.26

**BE PREPARED!  
HAVE SPARE PARTS  
READY TO GO**



## MILLER SPARE PARTS

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



### SAFETY CLUTCH

The Safety Clutch for the Mini Miller and Mini Miller +C has a White Silicone Spring and the safety clutch for the Mini Cleaner and Mini Cleaner +C has a Red Silicone Spring. These parts can be easily replaced by following installation instructions included in the relevant operating manual which can be found in the Resources section of the Picote Institute: [www.picoteinstitute.com](http://www.picoteinstitute.com)





### Micro/Mini Miller Handle Upgrade Kit

**\$314.34**

**9530000045**

Mini Miller & Mini Cleaner Handle

Add the foldable handle to your older style Mini Miller or Mini Cleaner with the Handle Upgrade Kit to make transporting your Miller easier.



### Mini Cleaner +C Upgrade Kit

**\$3,153.80**

**3540002000US**

Mini Miller & Mini Cleaner

Upgrade Mini Miller or Mini Cleaner with a camera that makes viewing of cleaning and cutting easier. Camera cable: 98' Screen size: 7" Color Monitor.

Camera Head: 9/16" Lighting: 8 LEDs with brightness control  
Digital footage counter, stainless steel camera head (IP68).



### Mini Miller +C Upgrade Kit

**\$3,736.20**

**3540001000US**

Mini Miller & Mini Cleaner

Upgrade Mini Miller or Mini Cleaner with a camera that makes viewing of cleaning and cutting easier. Camera cable: 98' Screen size: 7" Color Monitor.

Camera Head: 7/8" (self levelling) Lighting: 12 LEDs with brightness control  
Digital footage counter, stainless steel camera head (IP68).



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

**\$98.87**

**9530000134**

Mini Miller

For older style Mini Miller without Safety Clutch.



### Strain Relief Spring Mini for Safety Clutch

**\$93.80**

**9530000134-1**

Mini Miller

For Mini Miller & Mini Cleaner with Safety Clutch.



### Strain Relief Super Midi with 3/8" Shaft

**\$94.58**

**9550000070**

Midi Cleaner



### Strain Relief Midi Miller/Super Midi

**\$98.87**

**9550000034**

Super Midi 12mm & Midi Miller



### Strain Relief Maxi Miller

**\$123.73**

**9560000034**  
Maxi Miller



### Safety Clutch Upgrade Kit for Mini Miller

**\$613.60**

**9530000041**  
Mini Miller  
Upgrade older style Mini Millers to include the latest Safety Clutch.



### Mini Miller Safety Clutch

**\$477.10**

**900000856**  
Mini Miller



### Mini Cleaner Safety Clutch

**\$520.00**

**900001204**  
Mini Cleaner



### Spare Axle Package for Safety Clutches

**\$85.41**

**9530000047**  
Mini Miller & Mini Cleaner  
Includes 6pcs.



### Silicone Spring for Mini Miller (White)

**\$101.40**

**900000920**  
Mini Miller  
Replacement Silicone Spring (white) for Mini Miller (5 pieces).



### Silicone Spring for Mini Cleaner (Red)

**\$107.25**

**900001205**  
Mini Cleaner  
Replacement Silicone Spring (red) for Mini Cleaner (5 pieces).

**NEW**



### Standard Battery for Mini Cleaner & Mini Miller

**\$2,152.80**

**9540004011**

Battery Mini Miller & Mini Cleaner

Battery for Battery Powered Mini Cleaner & Battery Powered Mini Miller.

Standard Battery provides up to 3 hours of continuous work.

Weight: 8 lbs

**NEW**



### High Output Battery for Mini Cleaner & Mini Miller

**\$2,597.40**

**9540004035**

Battery Mini Miller & Mini Cleaner

Battery for Battery Powered Mini Cleaner & Battery Powered Mini Miller.

High Output Battery provides up to 4 hours of continuous work.

Weight: 9 lbs

**NEW**



### Spare Charger for Mini Cleaner & Mini Miller Batteries

**\$380.25**

**9540004013US**

Battery Mini Miller & Mini Cleaner

Suitable for charging Standard and High Output Batteries.

**NEW**



### Mini Reel Brake Upgrade Package

**\$253.50**

**9540000075**

Mini Miller & Mini Cleaner

For all Mini Miller and Mini Cleaner models.

With Mini Reel Brake, easily lock your Miller's reel securely in position providing additional convenience and security during transportation.




## MAKE A GRAB FOR IT

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

The Original Grabber is designed for pipes of 4" diameter and above, and the Large Grabber can be used in 6" and larger pipes.

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

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

# PICOTE GRABBERS

Original Grabber 4"+ | Large Grabber 6"+ | Small Grabber 2"- 3"



## SMALL GRABBER

NEW Small Grabber for retrieving lost items in smaller diameter pipes.

Available for 2"- 3" pipes in two lengths, 16ft and 32ft with the option of TWO styles of Grabber jaws!



Jaw Type 1



Jaw Type 2



### Small Grabber 2-3" 16ft (1 Jaw Type)

**\$1,267.50**

**2370000020**

Grabber

Retrieve lost items or foreign objects. Range: 16ft (no extension available).

Includes two model 1 Jaws: 2" & 3".

Fits in 2" pipes or larger. No air pressure needed.

### Small Grabber 2-3" 32ft (1 Jaw Type)

**\$1,345.50**

**2370000021**

Grabber

Retrieve lost items or foreign objects. Range: 32ft (no extension available).

Includes two model 1 Jaws: 2" & 3".

Fits in 2" pipes or larger. No air pressure needed.

### Small Grabber Extra 2-3" 16ft with 2 Jaw types

**\$1,491.75**

**2370000022**

Grabber

Retrieve lost items or foreign objects. Range: 16ft (no extension available).

Includes two model 1 Jaws (2" & 3") and two model 2 Jaws (2" & 3").

Fits in 2" pipes or larger. No air pressure needed.

### Small Grabber Extra 2-3" 32ft with 2 Jaw types

**\$1,628.25**

**2370000023**

Grabber

Retrieve lost items or foreign objects. Range: 32ft (no extension available).

Includes two model 1 Jaws (2" & 3") and two model 2 Jaws (2" & 3").

Fits in 2" pipes or larger. No air pressure needed.

### Small Grabber Jaw Set 1 for 2"

**\$224.25**

**2370000024**

Small Grabber Spare Part

Use Small Jaw Set 1 to pick up more rounded and smooth items which are harder to grip.

### Small Grabber Jaw Set 2 for 2"

**\$243.75**

**2370000025**

Small Grabber Spare Part

Choose Small Jaw Set 2 to pick up chains and debris with good grabbing points.

### Small Grabber Jaw Set 1 for 3"

**\$263.25**

**2370000026**

Small Grabber Spare Part

Use Small Jaw Set 1 to pick up more rounded and smooth items which are harder to grip.

### Small Grabber Jaw Set 2 for 3"

**\$273.00**

**2370000027**

Small Grabber Spare Part

Choose Small Jaw Set 2 to pick up chains and debris with good grabbing points.



### Picote Grabber US

**\$3,042.00**

**2370000001US**

Grabber

Retrieve lost items or foreign 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 32.8ft.

**\$600.21**

**2370000002**

Picote Grabber Extension

Increases the reach of the Picote Grabber by 32ft.

Includes connection piece.



### Grabber Jaw Set 1

**\$497.80**

**2370000003**

Picote Grabber Spare Part

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



### Grabber Jaw Set 2

**\$497.80**

**2370000004**

Picote Grabber Spare Part

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



### Grabber Jaw Set 3

**\$473.20**

**2370000006**

Small Grabber Spare Part

The longer jaws makes the Picote Grabber easier to use in larger pipes (6"+).



### Picote Large Grabber US

**\$3,767.40**

**2370000010US**

Grabber






Retrieve lost or foreign 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.



	<p><b>Large Grabber Jaw Set 1</b> <span style="float: right;"><b>\$551.20</b></span></p> <p><b>2370000011</b> Large Grabber Spare Part Includes Jaws only.</p>
	<p><b>Large Grabber Extension 32.8ft.</b> <span style="float: right;"><b>\$799.50</b></span></p> <p><b>2370000012</b> Large Grabber Spare Part Increases the reach of the Picote Large Grabber by 32ft. Includes connection piece.</p>
	<p><b>Spare Grabber Head with Jaws</b> <span style="float: right;"><b>\$1,394.25</b></span></p> <p><b>2370000009</b> Picote Grabber Spare Part</p>
	<p><b>Spare Large Grabber Head with Jaws</b> <span style="float: right;"><b>\$2,135.25</b></span></p> <p><b>2370000013</b> Large Grabber Spare Part</p>
	<p><b>Spare Grabber Steering Unit</b> <span style="float: right;"><b>\$419.25</b></span></p> <p><b>2370000014US</b> Picote &amp; Large Grabber Spare Part</p>



## DON'T WASTE TIME AT THE WORKSITE!

Picote offers a range of quality 'Additional Tools' selected for durability and longevity. Each product has been carefully chosen to complement your Picote Miller or Tools. Save time with Sheath Cutters, Hex Keys, Shaft Rounders, Pliers and more which you know will get the job done!



# ADDITIONAL TOOLS

## SHAFT ROUNDER

The Flexible Shaft should be inspected before every use. If damaged, the Shaft should be trimmed back. The Shaft Rounder is then used to smooth the end of the Flexible Shaft, preventing the user from being cut by the otherwise sharp metal edge. This also prevents the Shaft from unravelling and ensures good fit for the tools.







### Shaft Rounder

**\$ 341.25**

**1350000018**

Rounds sharp edges of the shaft after trimming.



### Sheath Cutter 1

**\$ 124.25**

**1350000006**

Used when there is no shaft in the outer casing.



### Sheath Cutter 2 (Shaft inside outer casing)

**\$ 89.67**

**1350000011**

Used when there is shaft inside the outer casing.



### Cutter for Side Grinding Panels

**\$ 67.80**

**1350000012**

Resize panels when needed. Cut off worn edges.



### Combo Hex Key 1-6mm

**\$ 20.10**

**1350000013**

For safely tightening 1-6mm screws.



### Hex Key 4mm, 3mm & 2.5mm

**1350000008**

For safely tightening 4mm screws.

**\$ 31.08**

**1350000009**

For safely tightening 3mm screws.

**\$ 29.99**

**1350000010**

For safely tightening 2.5mm screws.

**\$ 26.65**



## CERTIFIED & HANDS-ON TRAININGS

Picote has a range of face-to-face training options to help you get the most out of your equipment:

- **Cutting and Cleaning (1-2 days)**
- **Maxi Miller Power+ Certification (1 day)**
- **Picote Brush Coating™**
- **Certified Installer (2 days)**
- **Customized Training Courses**  
which can be tailored to suit your needs.

Get the most out of your Picote Miller and learn the full range of tools and possibilities.

# TRAINING CENTERS

PHOENIX, AZ | CUSTOMER LOCATIONS

## VIRTUAL COURSES

Our Team of Technical Experts are available wherever you are in the world! We can offer a range of virtual training programs to meet your needs. With a balanced program of presentations, live demos and an in-depth Q&A, you can learn to get the most out of your Picote equipment in the convenience of your own location.



**Our new Training Center in Phoenix, Arizona has a 2 story structure with a pipework configuration designed to replicate real-life scenarios.**



Subscribe for FREE to the Picote Institute for a range of resources including courses & tutorial videos: [www.picoteinstitute.com](http://www.picoteinstitute.com)



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