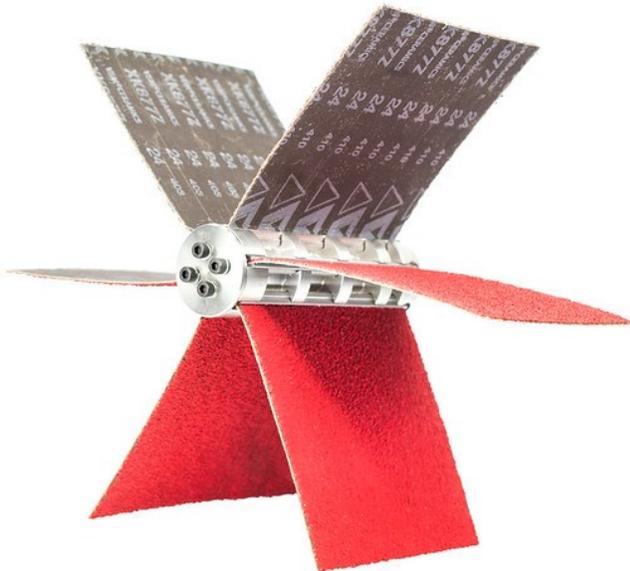




SMART CUTTER™

OPERATION & SAFETY MANUAL



WARNING

*These instructions are for your personal safety. Always ensure that you have read and understood these instructions before using the equipment. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.***

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SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

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To watch practical demonstration videos, take a course, or to download an electronic copy of these instructions, please visit www.picoteinstitute.com. Please note that videos and courses are not intended as a replacement or alternative to this operating and safety manual, but only as an additional learning tool.

SAFETY INFORMATION

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

WARNING

This section contains important safety information.
Failure to comply could result in serious injury or death.

Safety Symbols

Safety symbols are used throughout this manual to draw attention to potential hazards.



Danger risk of serious injury from rotating parts, follow instructions.



Danger risk of serious injury from hot parts, follow instructions.

Personal Protective Equipment (PPE)

Always use Personal Protective Equipment including suitable protective clothing, footwear, plus:



Suitable eye protection to protect against sewage, chemicals or dust from irritating eyes.



Suitable ear protection to protect against hearing loss.



Suitable heat and cut-resistant gloves to help prevent any hand injuries. Any open injuries or skin irritations should always be covered to avoid contact with sewage, chemicals or dust.



Suitable respirator to prevent any dust or fumes being inhaled or consumed, which could cause occupational asthma or dermatitis.

ENVIRONMENT, TRANSPORT, STORAGE & DISPOSAL

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

ENVIRONMENT

Operational Ambient Temperature Range: 0°C to +50°C (32 to 122°F)

Storage Ambient Temperature Range: -20°C to +50°C (-4 to 122°F)

Condensation Free

TRANSPORT

Picote Smart Cutters™ should be transported inside of a vehicle properly secured to prevent any sudden movements caused by hard braking or accident. Using lidded boxes which are fastened and stored on the bottom of the vehicle is recommended.

Never transport Picote Millers with a Picote Smart Cutter™ or other tooling attached to the shaft.

STORAGE

It is recommended that Picote Smart Cutter™ tooling be stored indoors protected from rain and sunlight and in constant ambient temperature.

DISPOSAL

Picote Smart Cutter™ components can be separated. Recycle metallic components in metal waste collection point. Always follow local waste handling rules and regulations.

GENERAL INFORMATION

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The award winning Smart Cutter™ is the most versatile tool produced by Picote for DN32-300 (1¼ -12") pipes. It is also a fantastic tool for removing roots, scale, CIPP fins, resin slugs, internal weld beads or preparing pipes for brush coating or lining even in fragile pipes.

It can be equipped with a front drill head and a metal or plastic front grinding panel to both re-open reinstatements and grinding away the remaining edges.

It can be used as fine tuning tool to grind remaining edges after a connection has been reinstated using the Twister or Special Drill Heads.

The Smart Cutter™ can also be used to remove any remaining lining or inconsistencies, after the collapsed lining has been removed using a Twister liner remover.

Other uses are pipe cleaning in fragile or plastic pipes and metal grinding after Twister Metal Grinder has been used to cut through intruding metal bars / screws.

CHOOSING THE CORRECT PICOTE MILLER

- The Smart Cutter™ products with the 8mm ($\frac{1}{3}$ ") shaft can be operated with the **Picote Mini Cleaner, Mini Miller, Battery Super Mini Cleaner, & Battery Super Mini Miller.**
- Products with the 10mm ($\frac{3}{8}$ ") shaft, can be operated with the **Picote Midi Cleaner.**
- Products with the 12mm ($\frac{1}{2}$ ") shaft, can be operated with the **Picote Super Midi & Maxi Miller.**
- *Instructions **Maxi Miller Power+, Smart Cutter, 18mm ($\frac{3}{4}$ ") shaft** are covered in a separate manual.*

SMART CUTTER™ HUBS, FRONT PANELS & DRILL HEADS

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

Smart Cutter™ Hub (No Wedge)

The smallest Smart Cutters™ Hubs have been designed to operate in small pipe sizes from DN32 to 75 (1¼ to 3") or when there are dimensional changes in the pipe. They can be operated using 6, 8, and 10mm Shafts (¼", ⅓" or ⅝") and are compatible with standard non-wedge side grinding or polishing panels which are clamped into the Hub.

Benefits: Efficient, flexible and cost effective tool for general cleaning, descaling and grinding when other tools cannot be used because of access / space issues.

Smart Cutter™ Hub (With Wedge)

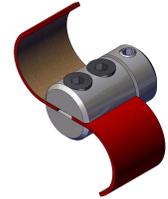
Available with 2, 4 and 6 panel configurations. They have been designed to operate in DN70-300 (3-12") pipes on 8, 10, & 12mm Shafts (⅓, ⅝, & ½").

They can be fitted with different drill heads which allow for a multitude of operations including CIPP connection opening and failed liner removal. Additionally different kinds of steering accessories can be used to assist.

Benefits: Efficient, flexible and cost effective tool for general cleaning, descaling, root removal along with the possibility to combine a front panel and drill head for other jobs.



No Wedge Hub



2 Panel Wedge Hub



4 Panel Wedge Hub



6 Panel Wedge Hub

FRONT PANELS & DRILL HEADS

The Smart Cutter™ can be used with or without a Front Panel and Drill Head.



Plastic Panel

For use in fragile or plastic pipes.



Front Metal Panel

1mm thick combined with carbides on the rear of the panel.



Tiger Front Metal Panel

6mm thick combined with specially hardened Tiger carbides

Front Drill Head 3 Ridged

Case hardened Steel



Tiger Front Drill Head

Tiger Carbides



Small / Large / XL Hub Disc
Hub Discs for 2, 4 & 6 panel Hubs.



Steering Hub Disc
Used with Steering Axle, Steering Wire, & Weights with 4 Panel Hubs.



GENERAL INFORMATION

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

SELECTING SIDE GRINDING PANELS

Smart Cutter™ hubs can be equipped with Regular, XT Rough or Polishing Panels. Polishing panels have smoother surface texture compared to regular Side Grinding Panels which make them perfect tools to finalize any connection edges. XT Rough panels are best suited for removing stubborn scale and finalizing cleaning after liner or concrete removal.



Standard & XT Rough Side Grinding Panels



Polishing Side Grinding Panels

SELECTING FRONT PANELS

Smart Cutter™ Hubs with Wedged Side Grinding Panels can be equipped with different kind of front panels and drill heads to create tooling combinations that can both open a connection and grind it at the same time in cast iron or clay pipes, without the need to change out tooling. This kind of combination is also very effective for removing tree roots from cast iron & clay pipes.

The front grinding panels are available in metal and plastic styles. Metal panels are more aggressive compared to plastic panels and are designed to work in metal and clay/concrete pipes. They come in Standard as well as a Tiger version featuring the extra-hard, long last Tiger carbides.



SMART CUTTER™ QUICK REFERENCE GUIDE: US

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Smart Cutter™ Quick Reference Selection Guide (1/4", 1/3", 3/8" Diameter Shaft Millers)

US-12.6.2023

Always use the optimal size Smart Cutter™ for the diameter of the pipe and number of bends.
With multiple bends it's always recommended to use the shortest hub available in order to go around the bends.

| 1/4" Diameter Shaft (No Wedge) | | | | | | |
|--------------------------------|--------------------|--|-------------|------------------|----------|-------------------|
| Pipe Diameter | Picote Part Number | Hub Description | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 1/4" | 1000612025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1 x 1.6 | X | X |
| 1/4" | 1000615025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1 x 1.6 | X | X |
| 1/4" | 1000615030 | Hub 1.2" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1 x 1.6 | X | X |
| 1/2" | 1000612025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1.2 x 2 | X | X |
| 1/2" | 1000615025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1.2 x 2 | X | X |
| 1/2" | 1000615030 | Hub 1.2" for 1 1/4"-1 1/2" Pipe - No Wedge | 2 | 1.2 x 2 | X | X |

| 1/3" Diameter Shaft | | | | | | | |
|---------------------|--------------------|--|------------|-------------|------------------|----------|-------------------|
| Pipe Diameter | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 1/4" | 1000818025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | X | 2 | 1 x 1.6 | X | X |
| 1/2" | 1000818025 | Hub 1" for 1 1/4"-1 1/2" Pipe - No Wedge | X | 2 | 1.2 x 2 | X | X |
| 2" | 1000820040 | Hub 1.6" for 2" Pipe | X | 2 | 1.5 x 2.3 | X | X |
| 2" | 1000820060 | Hub 2.4" for 2-3" Pipe | X | 2 | 1.5 x 2.3 | X | X |
| 3" | 1000820050 | Hub 2" Narrow 2W for 3" Pipe | ✓ | 2 | 2 x 4 | 2W | X |
| 3" | 1000820060 | Hub 2.4" for 2-3" Pipe | X | 2 | 2 x 4 | X | X |
| 3" | 1000835050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small |
| 4" | 1000820075 | Hub 3" Narrow 2W for 4" Pipe | ✓ | 2 | 3 x 5 | 2W | X |
| 4" | 1000835050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small |

| 3/8" Diameter Shaft | | | | | | | |
|---------------------|--------------------|------------------------------|------------|-------------|------------------|----------|-------------------|
| Pipe Diameter | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 2" | 1001020040 | Hub 1.6" for 2" Pipe | X | 2 | 1.5 x 2.3 | X | X |
| 2" | 1001020060 | Hub 2.4" for 2-3" Pipe | X | 2 | 2 x 4 | X | X |
| 3" | 1001020060 | Hub 2.4" for 2-3" Pipe | X | 2 | 2 x 4 | X | X |
| 3" | 1001020050 | Hub 2" Narrow 2W for 3" Pipe | ✓ | 2 | 2 x 4 | 2W | X |
| 3" | 1001035050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small |
| 3" | 1001035075A | Hub 3" for 3-4" Pipe | ✓ | 4 | 3 x 5 | Small | Small |
| 4" | 1001020075 | Hub 3" Narrow 2W for 4" Pipe | ✓ | 2 | 3 x 5 | 2W | X |
| 4" | 1001035050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small |
| 4" | 1001035075A | Hub 3" for 3-4" Pipe | ✓ | 4 | 3 x 5 | Small | Small |
| 4" | 1001040100A | Hub 4" for 4-6" Pipe | ✓ | 4 | 4 x 6 | Large | Large |
| 6" | 1001040100A | Hub 4" for 4-6" Pipe | ✓ | 4 | 4 x 6 | Large | Large |

SMART CUTTER™ QUICK REFERENCE GUIDE: US

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Smart Cutter™ Quick Reference Selection Guide (1/2", 3/4" Diameter Shaft Millers)

US-12.6.2023

Always use the optimal size Smart Cutter™ for the diameter of the pipe and number of bends.
With multiple bends it's always recommended to use the shortest hub available in order to go around the bends.

| 1/2" Diameter Shaft | | | | | | | | |
|---------------------|--------------------|--------------------------------|------------|-------------|------------------|----------|-------------------|----------------------|
| Pipe Diameter | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc | Smart Steering Guide |
| 3 | 1001235050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small | X |
| 3 | 1001235075A | Hub 3" for 3-4" Pipe | ✓ | 4 | 3 x 5 | Small | Small | X |
| 4 | 1001235050A | Hub 3" Short for 3-4" Pipe | ✓ | 4 | 2 x 4 | Small | Small | X |
| 4 | 1001235075A | Hub 3" for 3-4" Pipe | ✓ | 4 | 3 x 5 | Small | Small | X |
| 4 | 1001240100A | Hub 4" for 4-6" Pipe | ✓ | 4 | 4 x 6 | Large | Large | ✓ |
| 4 | 1001250100A | Hub 4" (6-Panel) for 4-6" Pipe | ✓ | 6 | 4 x 4 | XL | X | X |
| 5 | 1001240100A | Hub 4" for 4-6" Pipe | ✓ | 4 | 4 x 6 | Large | Large | ✓ |
| 5 | 1001250100A | Hub 4" (6-Panel) for 4-6" Pipe | ✓ | 6 | 4 x 4 | XL | X | X |
| 6 | 1001240100A | Hub 4" for 4-6" Pipe | ✓ | 4 | 4 x 6 | Large | Large | ✓ |
| 6 | 1001240150A | Hub 6" for 6-9" Pipe | ✓ | 4 | 6 x 8 | Large | Large | ✓ |
| 6 | 1001250100A | Hub 4" (6 Panel) for 4-6" Pipe | ✓ | 6 | 4 x 6 | XL | X | X |
| 6 | 1001250150A | Hub 6" (6 Panel) for 6-8" Pipe | ✓ | 6 | 6 x 6 | XL | X | X |
| 8 | 1001240150A | Hub 6" for 6-9" Pipe | ✓ | 4 | 6 x 8 | Large | Large | ✓ |
| 8 | 1001240150A | Hub 6" for 6-9" Pipe | ✓ | 4 | 6 x 10 | Large | Large | ✓ |
| 8 | 1001240200A | Hub 8" for 8-9" Pipe | ✓ | 4 | 8 x 12 | Large | Large | ✓ |
| 8 | 1001250150A | Hub 6" (6 Panel) for 6-8" Pipe | ✓ | 6 | 6 x 8 | XL | X | X |
| 9 | 1001240150A | Hub 6" for 6-9" Pipe | ✓ | 4 | 6 x 10 | Large | Large | ✓ |
| 9 | 1001240200A | Hub 8" for 8-9" Pipe | ✓ | 4 | 8 x 12 | Large | Large | ✓ |

| 3/4" Diameter Shaft | | | | | | |
|---------------------|--------------------|---------------------------------|------------|-------------|------------------|---------------------|
| Pipe Diameter | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc |
| 4* | 1001250100A | Hub 4" (6-Panel) for 4-6" Pipe | ✓ | 6 | 4 x 4 | 2" XL (6-Panel) |
| 6 | 1001250100A | Hub 4" (6-Panel) for 4-6" Pipe | ✓ | 6 | 4 x 4 | 2" XL (6-Panel) |
| 6 | 1001870150A | Hub 6" (6-panel) for 6-8" Pipe | ✓ | 6 | 6 x 6 | 2.75" XXL (6-Panel) |
| 8 | 1001870150A | Hub 6" (6-panel) for 6-8" Pipe | ✓ | 6 | 6 x 8 | 2.75" XXL (6-Panel) |
| 8 | 1021800200 | Hub 8" (8-panel) for 8-12" Pipe | ✓ | 8 | 6 x 8 | 4" XXXL (8-Panel) |
| 9 | 1021800200 | Hub 8" (8-panel) for 8-12" Pipe | ✓ | 8 | 6 x 8 | 4" XXXL (8-Panel) |
| 10 | 1021800200 | Hub 8" (8-panel) for 8-12" Pipe | ✓ | 8 | 6 x 10 | 4" XXXL (8-Panel) |
| 12 | 1021800200 | Hub 8" (8-panel) for 8-12" Pipe | ✓ | 8 | 6 x 10 | 4" XXXL (8-Panel) |

*4" Diameter - Designed for Straight Pipes Only

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Hub & Hub Disc Packages

Pre-packaged Picote Smart Cutter™ Hubs and corresponding Hub Discs included.

| Product # | Hub Size | Hub Disc | Pipe Size | Shaft Size |
|-----------------|----------|----------|-----------|------------|
| 1000820050-PKG | 2" | 2W | 3" | 1/3" |
| 1000820075-PKG | 3" | 2W | 4" | 1/3" |
| 1000835050A-PKG | 3" | S | 3-4" | 1/3" |
| 1001020050-PKG | 2" | 2W | 3" | 3/8" |
| 1001020075-PKG | 3" | 2W | 4" | 3/8" |
| 1001035050A-PKG | 3" | S | 3-4" | 3/8" |
| 1001035075A-PKG | 3" | S | 3-4" | 3/8" |
| 1001040100A-PKG | 4" | S | 4-6" | 3/8" |
| 1001235050A-PKG | 3" | S | 3-4" | 1/2" |
| 1001235075A-PKG | 3" | S | 3-4" | 1/2" |
| 1001240100A-PKG | 4" | L | 4-6" | 1/2" |
| 1001240150A-PKG | 6" | L | 6-9" | 1/2" |
| 1001240200A-PKG | 8" | L | 8-9" | 1/2" |
| 1001250100A | 4" | XL | 4-6" | 1/2" |
| 1001250150A | 6" | XL | 6-8" | 1/2" |



Hubs - No Wedge

2 Panel Hubs with No Wedge.
Use with Side Grinding Panels with no wedge.

| Product # | Hub Size DxL | Pipe Size | Shaft Size |
|------------|-----------------|-----------|------------|
| 1000612025 | .47x1" | 1¼-1½" | 1/4" |
| 1000615025 | .6x1" | 1¼-1½" | 1/4" |
| 1000615030 | .6x1.18" | 1¼-1½" | 1/4" |
| 1000818025 | .7x.98" | 1¾-2" | 1/3" |
| 1000820040 | .8x1.57" | 2" | 1/3" |
| 1000820060 | .8x2.36" | 2-3" | 1/3" |
| 1001020040 | .8x1.57" | 2" | 3/8" |
| 1001020060 | .8x2.36" | 2-3" | 3/8" |



Smart Steering Guide

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.

| Product # | Model/Part |
|------------|------------|
| 1312024125 | 4-6" |
| 1312025125 | 6-8" |

Steering Guide Spare Parts



Hub Discs used with the Steering Axle for 4 Panel Hubs. Use the Steering Wire with Weight for fine-tuning or with Twister Concrete Remover where there is access at both ends. Use with Steering Axle.

| Product # | Part |
|------------|----------------------|
| 1000210035 | Steering Hub Disc S |
| 1000210040 | Steering Hub Disc L |
| 1100100055 | Steering Axle |
| 1100200001 | Bearing |
| 1350150405 | Steering Wire 328 ft |

Hub Discs



Hub Discs for 2, 4 & 6 panel Hubs. See the Smart Cutter™ Hub Selection Guide on the Picote Institute.

| Product # | Disc | Size |
|------------|-----------------------------|--------|
| 1000200020 | 2W | 0x20x6 |
| 1000200035 | S | 0x35x6 |
| 1000200040 | L | 0x40x6 |
| 1000200050 | XL | 0x50x3 |
| 1350000100 | Screws for Hub Disc (12pcs) | |

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

Wire Hook



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

| Product # | Wire Hook |
|------------|----------------|
| 1350000125 | For 1/2" Shaft |
| 1350000085 | For 1/3" Shaft |

Counter Weight

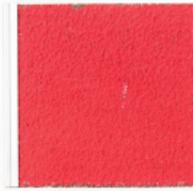


Fine-tuning tool used to pull Hub downward to remove bottom lip of the liner.

| Product # | Weight Model |
|------------|--------------|
| 1100500040 | Small |
| 1100500060 | Large |

SIDE GRINDING PANELS: US

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Side Grinding Panels

Sold in packages of 12. See the Smart Cutter™ Hub Selection Guide on the Picote Institute.

| Product # | Panel Size |
|-------------|------------|
| 1202025040* | 1x1.6" |
| 1202030050* | 1.2x2" |
| 1202040060* | 1.5x2.33" |
| 1202050100* | 2x4" |
| 1203050100 | 2x4" |
| 1202075125 | 3x5" |
| 1202100100 | 4x4" |
| 1202100150 | 4x6" |
| 1202150150 | 6x6" |
| 1202150200 | 6x8" |
| 1202150250 | 6x10" |
| 1202200300 | 8x12" |

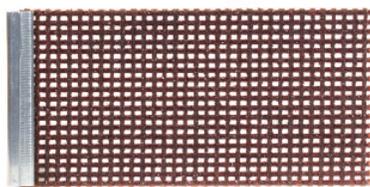
*No Wedge - use with non-wedged Hubs.

Side Grinding Panels XT Rough

XT panels have larger grit for more aggression and faster results. Sold in packages of 12 panels.

| Product # | Panel Size |
|-------------|------------|
| 1204050100* | 2x4" |
| 1205050100 | 2x4" |
| 1203075125 | 3x5" |
| 1203100100 | 4x4" |
| 1203100150 | 4x6" |
| 1203150150 | 6x6" |
| 1203150200 | 6x8" |
| 1203150250 | 6x10" |
| 1203200300 | 8x12" |

*No Wedge - use with non-wedged Hubs.



Polishing Panels

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

| Product # | Panel Size |
|-------------|------------|
| 1241035045* | 1.4x1.8" |
| 1241040050* | 1.6x2.0" |
| 1241050100 | 2x4" |
| 1241075100 | 3x4" |
| 1241100125 | 4x5" |
| 1241100150 | 4x6" |
| 1241150200 | 6x8" |

*No Wedge - use with non-wedged Hubs.

FRONT PANELS & DRILL HEADS: US

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Front Metal Panel

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. Grit 10.

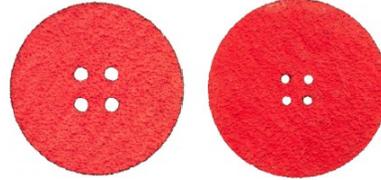
| Product # | Panel Size |
|------------|------------|
| 1210310055 | 2.2" |
| 1210310075 | 3" |
| 1210310085 | 3.3" |
| 1210310115 | 4.5" |
| 1210310125 | 5" |
| 1210310175 | 7" |



Tiger Front Metal Panel

Panel thickness: 6mm. Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.

| Product # | Panel Size | Pipe Size |
|------------|------------|-----------|
| 1260000058 | 2.3" | 3" |
| 1260000075 | 3" | 4" |
| 1260000085 | 3.3" | 4" |
| 1260000090 | 3.5" | 5" |
| 1260000100 | 4" | 5" |
| 1260000115 | 4.5" | 6" |
| 1260000125 | 4.9" | 6" |
| 1260000175 | 6.9" | 8" |
| 1260000065 | 2.6" | |
| 1260000080 | 3.1" | |
| 1260000140 | 5.5" | |



Front Plastic Panel Package

Gentle option for special situations in fragile pipes. Gentle option for PVC or special situations in fragile pipes. Sold in packages of 10 panels.

| Product # | Panel Size |
|------------|------------|
| 1229990055 | 2.2" |
| 1229990075 | 3" |
| 1229990085 | 3.3" |
| 1229990125 | 5" |

Front Drill Head 1.38" 3 Ridged Hardened

1300212035



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

Tiger Front Drill Head 1.5"

1260010038



Use with any Twister or Smart Cutter™

SMART CUTTER™ QUICK REFERENCE GUIDE: EU/ROW

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Smart Cutter™ Quick Reference Selection Guide (6, 8, 10mm Diameter Shaft Millers)

Metric-12.6.2023

Always use the optimal size Smart Cutter™ for the diameter of the pipe and number of bends.
With multiple bends it's always recommended to use the shortest hub available in order to go around the bends.

| 6mm Diameter Shaft (No Wedge) | | | | | | |
|-------------------------------|--------------------|----------------------------------|-------------|------------------|----------|-------------------|
| Pipe DN | Picote Part Number | Hub Description | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 32 | 1000612025 | Hub 12x25 for DN32-40 - No Wedge | 2 | 25x40 | X | X |
| 32 | 1000615025 | Hub 15x25 for DN32-40 - No Wedge | 2 | 25x40 | X | X |
| 32 | 1000615030 | Hub 15x30 for DN32-40 - No Wedge | 2 | 25x40 | X | X |
| 40 | 1000612025 | Hub 12x25 for DN32-40 - No Wedge | 2 | 30x50 | X | X |
| 40 | 1000615025 | Hub 15x25 for DN32-40 - No Wedge | 2 | 30x50 | X | X |
| 40 | 1000615030 | Hub 15x30 for DN32-40 - No Wedge | 2 | 30x50 | X | X |

| 8mm Diameter Shaft | | | | | | | |
|--------------------|--------------------|------------------------|------------|-------------|----------------------|----------|-------------------|
| Pipe DN | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 32 | 1000818025 | Hub 18x25 for DN32-40 | X | 2 | 35x45 ⁽¹⁾ | X | X |
| 32 | 1000818025 | Hub 18x25 for DN32-40 | X | 2 | 25x40 ⁽²⁾ | X | X |
| 40 | 1000818025 | Hub 18x25 for DN32-40 | X | 2 | 40x50 ⁽¹⁾ | X | X |
| 40 | 1000818025 | Hub 18x25 for DN32-40 | X | 2 | 30x50 ⁽²⁾ | X | X |
| 50 | 1000820040 | Hub 20x40 for DN50 | X | 2 | 40x60 | X | X |
| 50 | 1000820060 | Hub 20x60 for DN50-70 | X | 2 | 40x60 | X | X |
| 70 | 1000820050 | Hub 20x50 2W for DN70 | ✓ | 2 | 50x100 | 2W | X |
| 70 | 1000820060 | Hub 20x60 for DN50-70 | X | 2 | 50x100 | X | X |
| 70 | 1000835050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50x100 | Small | Small |
| 100 | 1000820075 | Hub 20x75 2W for DN100 | ✓ | 2 | 75x125 | 2W | X |
| 100 | 1000835050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50x100 | Small | Small |

Note⁽¹⁾ : Refers to Cleaning Panels / Note⁽²⁾ : Refers to Grinding Panels

| 10mm Diameter Shaft | | | | | | | |
|---------------------|--------------------|--------------------------|------------|-------------|------------------|----------|-------------------|
| Pipe DN | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc |
| 50 | 1001020040 | Hub 20x40 for DN50 | X | 2 | 40x60 | X | X |
| 50 | 1001020060 | Hub 20x60 for DN50-70 | X | 2 | 50x100 | X | X |
| 70 | 1001020060 | Hub 20x60 for DN50-70 | X | 2 | 50x100 | X | X |
| 70 | 1001020050 | Hub 20x50 2W for DN70 | ✓ | 2 | 50x100 | 2W | X |
| 70 | 1001035050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50x100 | Small | Small |
| 70 | 1001035075A | Hub 35x75 for DN70-100 | ✓ | 4 | 75x125 | Small | Small |
| 100 | 1001020075 | Hub 20x75 2W for DN100 | ✓ | 2 | 75x125 | 2W | X |
| 100 | 1001035050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50x100 | Small | Small |
| 100 | 1001035075A | Hub 35x75 for DN70-100 | ✓ | 4 | 75x125 | Small | Small |
| 100 | 1001040100A | Hub 35x100 for DN100-150 | ✓ | 4 | 100x150 | Small | Small |
| 150 | 1001040100A | Hub 35x100 for DN100-150 | ✓ | 4 | 100x150 | Small | Small |

SMART CUTTER™ QUICK REFERENCE GUIDE: EU/ROW

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Smart Cutter™ Quick Reference Selection Guide (12, 18mm Diameter Shaft Millers)

Metric-12.6.2023

Always use the optimal size Smart Cutter™ for the diameter of the pipe and number of bends.
With multiple bends it's always recommended to use the shortest hub available in order to go around the bends.

| 12mm Diameter Shaft | | | | | | | | |
|---------------------|--------------------|------------------------------------|------------|-------------|------------------|----------|-------------------|----------------------|
| Pipe DN | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc | Steering Hub Disc | Smart Steering Guide |
| 70 | 1001235050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50 x 100 | Small | Small | X |
| 70 | 1001235075A | Hub 35x75 for DN70-100 | ✓ | 4 | 75 x 125 | Small | Small | X |
| 100 | 1001235050A | Hub 35x50 for DN70-100 | ✓ | 4 | 50 x 100 | Small | Small | X |
| 100 | 1001235075A | Hub 35x75 for DN70-100 | ✓ | 4 | 75 x 125 | Small | Small | X |
| 100 | 1001240100A | Hub 40x100 for DN100-150 | ✓ | 4 | 100 x 150 | Large | Large | ✓ |
| 100 | 1001250100A | Hub 50x100 for DN100-150 | ✓ | 6 | 100 x 100 | XL | X | X |
| 125 | 1001240100A | Hub 40x100 for DN100-150 | ✓ | 4 | 100 x 150 | Large | Large | ✓ |
| 125 | 1001250100A | Hub 50x100 for DN100-150 (6 Panel) | ✓ | 6 | 100 x 100 | XL | X | X |
| 150 | 1001240100A | Hub 40x100 for DN100-150 | ✓ | 4 | 100 x 150 | Large | Large | ✓ |
| 150 | 1001240150A | Hub 40x150 for DN150-225 | ✓ | 4 | 150 x 200 | Large | Large | ✓ |
| 150 | 1001250100A | Hub 50x100 for DN100-150 (6 Panel) | ✓ | 6 | 100 x 150 | XL | X | X |
| 150 | 1001250150A | Hub 50x150 for DN150-200 (6 Panel) | ✓ | 6 | 150 x 150 | XL | X | X |
| 200 | 1001240150A | Hub 40x150 for DN150-225 | ✓ | 4 | 150 x 200 | Large | Large | ✓ |
| 200 | 1001240150A | Hub 40x150 for DN150-225 | ✓ | 4 | 150 x 250 | Large | Large | ✓ |
| 200 | 1001240200A | Hub 40x200 for DN200-225 | ✓ | 4 | 200 x 300 | Large | Large | ✓ |
| 200 | 1001250150A | Hub 50x150 for DN150-200 (6 Panel) | ✓ | 6 | 150 x 200 | XL | X | X |
| 225 | 1001240150A | Hub 40x150 for DN150-225 | ✓ | 4 | 150 x 250 | Large | Large | ✓ |
| 225 | 1001240200A | Hub 40x200 for DN200-225 | ✓ | 4 | 200 x 300 | Large | Large | ✓ |

| 18mm Diameter Shaft | | | | | | |
|---------------------|--------------------|--|------------|-------------|------------------|----------|
| Pipe DN | Picote Part Number | Hub Description | With Wedge | # of Panels | Panel Size (WxL) | Hub Disc |
| 100* | 1001250100A | Hub 12.5x50x100 for 100-150 (6 Panel) | ✓ | 6 | 100 x 100 | XL |
| 150 | 1001250100A | Hub 12.5x50x100 for 100-150 (6 Panel) | ✓ | 6 | 100 x 100 | XL |
| 150 | 1001870150A | Hub 18.5x70x150 for 150-200 (6 Panel) | ✓ | 6 | 150 x 150 | XXL |
| 200 | 1001870150A | Hub 18.5x70x150 for 150-200 (6 Panel) | ✓ | 6 | 150 x 200 | XXL |
| 200 | 1021800200 | Hub 18.5x100x150 for 200-300 (8 Panel) | ✓ | 8 | 150 x 200 | XXXL |
| 225 | 1021800200 | Hub 18.5x100x150 for 200-300 (8 Panel) | ✓ | 8 | 150 x 200 | XXXL |
| 250 | 1021800200 | Hub 18.5x100x150 for 200-300 (8 Panel) | ✓ | 8 | 150 x 250 | XXXL |
| 300 | 1021800200 | Hub 18.5x100x150 for 200-300 (8 Panel) | ✓ | 8 | 150 x 250 | XXXL |

*DN100 Diameter - Designed for Straight Pipes Only

SMART CUTTER™: EU/ROW

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Hub & Hub Disc Packages

Pre-packaged Picote Smart Cutter™ Hubs and corresponding Hub Discs included.

| Product # | Hub Size | | Pipe Size | Shaft Size |
|-----------------|----------|----------|-----------|------------|
| | DxL | Hub Disc | | |
| 1000820050-PKG | 20x50 | 2W | DN70 | 8mm |
| 1000820075-PKG | 20x75 | 2W | DN100 | 8mm |
| 1000835050A-PKG | 35x50 | S | DN70-100 | 8mm |
| 1001020050-PKG | 20x50 | 2W | DN70 | 10mm |
| 1001020075-PKG | 20x75 | 2W | DN100 | 10mm |
| 1001035050A-PKG | 35x50 | S | DN70-100 | 10mm |
| 1001035075A-PKG | 35x75 | S | DN70-100 | 10mm |
| 1001040100A-PKG | 40x100 | S | DN100-150 | 10mm |
| 1001235050A-PKG | 35x50 | S | DN70-100 | 12mm |
| 1001235075A-PKG | 35x75 | S | DN100 | 12mm |
| 1001240100A-PKG | 40x100 | L | DN100-150 | 12mm |
| 1001240150A-PKG | 40x150 | L | DN150-225 | 12mm |
| 1001240200A-PKG | 40x200 | L | DN200-225 | 12mm |
| 1001250100A | 50x100 | XL | DN100-150 | 12mm |
| 1001250150A | 40x200 | XL | DN150-200 | 12mm |

Smart Steering Guide

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.

| Product # | Model/Part |
|------------|------------|
| 1312024125 | DN100-150 |
| 1312025125 | DN150-200 |

Steering Guide Spare Parts



Hub Discs used with the Steering Axle for 4 Panel Hubs. Use the Steering Wire with Weight for fine-tuning or with Twister Concrete Remover where there is access at both ends. Use with Steering Axle.

| Product # | Part |
|------------|----------------------|
| 1000210035 | Steering Hub Disc S |
| 1000210040 | Steering Hub Disc L |
| 1100100055 | Steering Axle |
| 1100200001 | Bearing |
| 1350150405 | Steering Wire 328 ft |



Hubs - No Wedge

2 Panel Hubs with No Wedge. Use with Side Grinding Panels with no wedge.

| Product # | Hub Size | | Pipe Size | Shaft Size |
|------------|----------|--|-----------|------------|
| | DxL | | | |
| 1000612025 | 12x25 | | DN32 | 6mm |
| 1000615025 | 15x25 | | DN32 | 6mm |
| 1000615030 | 15x30 | | DN32 | 6mm |
| 1000818025 | 18x25 | | DN32-40 | 8mm |
| 1000820040 | 20x40 | | DN50 | 8mm |
| 1000820060 | 20x60 | | DN50-70 | 8mm |
| 1001020040 | 20x40 | | DN50 | 10mm |
| 1001020060 | 20x60 | | DN50-70 | 10mm |

Hub Discs



Hub Discs for 2, 4 & 6 panel Hubs. See the Smart Cutter™ Hub Selection Guide on the Picote Institute.

| Product # | Disc | Size |
|------------|-----------------------------|--------|
| 1000200020 | 2W | 0x20x6 |
| 1000200035 | S | 0x35x6 |
| 1000200040 | L | 0x40x6 |
| 1000200050 | XL | 0x50x3 |
| 1350000100 | Screws for Hub Disc (12pcs) | |

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

Wire Hook



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

| Product # | Wire Hook |
|------------|-----------|
| 1350000125 | 12.5mm |
| 1350000085 | 8.5mm |

Weight



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

| Product # | Weight Model |
|------------|--------------|
| 1100500040 | 40 - Small |
| 1100500060 | 60 - Large |

SIDE GRINDING PANELS: EU/ROW

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



Side Grinding Panels

Sold in packages of 12. See the Smart Cutter™ Hub Selection Guide on the Picote Institute.

| Product # | Panel Size |
|-------------|------------|
| 1202025040* | 25x40 |
| 1202030050* | 30x50 |
| 1202040060* | 40x60 |
| 1202050100* | 50x100 |
| 1203050100 | 50x100 |
| 1202075125 | 75x125 |
| 1202100100 | 100x100 |
| 1202100150 | 100x150 |
| 1202150150 | 150x150 |
| 1202150200 | 150x200 |
| 1202150250 | 150x250 |
| 1202200300 | 200x300 |

*No Wedge - use with non-wedged Hubs.

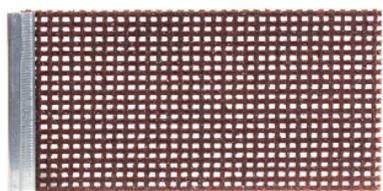


Side Grinding Panels XT Rough

XT panels have larger grit for more aggression and faster results. Sold in packages of 12 panels.

| Product # | Panel Size |
|-------------|------------|
| 1204050100* | 50x100 |
| 1205050100 | 50x100 |
| 1203075125 | 75x125 |
| 1203100100 | 100x100 |
| 1203100150 | 100x150 |
| 1203150150 | 150x150 |
| 1203150200 | 150x200 |
| 1203150250 | 150x250 |
| 1203200300 | 200x300 |

*No Wedge - use with non-wedged Hubs.



Polishing Panels

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

| Product # | Panel Size |
|-------------|------------|
| 1241035045* | 35x45 |
| 1241040050* | 40x50 |
| 1241050100 | 50x100 |
| 1241075100 | 75x100 |
| 1241100125 | 100x125 |
| 1241100150 | 100x150 |
| 1241150200 | 150x200 |

*No Wedge - use with non-wedged Hubs.

FRONT DRILL HEADS: EU/ROW

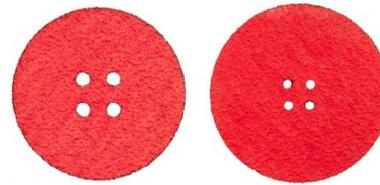
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Front Metal Panel

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. Grit 10.

| Product # | Panel Size |
|------------|------------|
| 1210310055 | 55mm |
| 1210310075 | 75mm |
| 1210310085 | 85mm |
| 1210310115 | 115mm |
| 1210310125 | 125mm |
| 1210310175 | 175mm |



Front Plastic Panel Package

Gentle option for special situations in fragile pipes. Gentle option for PVC or special situations in fragile pipes. Sold in packages of 10 panels.

| Product # | Panel Size |
|------------|------------|
| 1229990055 | 55mm |
| 1229990075 | 75mm |
| 1229990085 | 85mm |
| 1229990125 | 125mm |



Tiger Front Metal Panel

Panel thickness: 6mm. Precision manufactured milling plate equipped with the specially hardened Tiger carbides. High quality sand-blasted aluminium.

| Product # | Panel Size | Pipe Size |
|------------|------------|-----------|
| 1260000058 | 58mm | DN70 |
| 1260000075 | 75mm | DN100 |
| 1260000085 | 85mm | DN100 |
| 1260000090 | 90mm | DN125 |
| 1260000100 | 100mm | DN125 |
| 1260000115 | 115mm | DN150 |
| 1260000125 | 125mm | DN150 |
| 1260000175 | 175mm | DN200 |
| 1260000065 | 65mm | |
| 1260000080 | 80mm | |
| 1260000140 | 140mm | |

Front Drill Head 35mm 3 Ridged Hardened

1300212035



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

Tiger Front Drill Head 38mm

1260010038



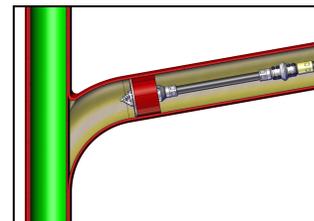
Use with any Twister or Smart Cutter™

USER GUIDE: CIPP REINSTATEMENTS

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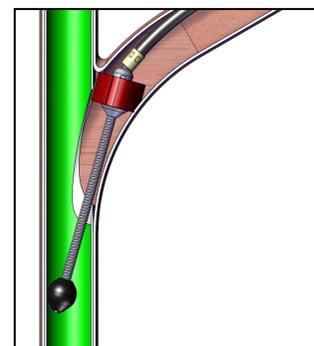
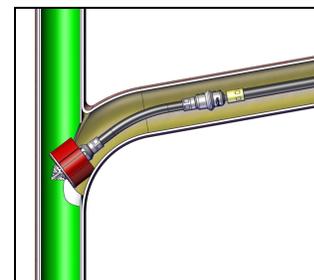
Step 1:

- Select the Smart Cutter™ equipped with metal or plastic panels and drill head according to the size of the host pipe.
- Place a CCTV camera into lined pipe so that you will see how the work is progressing. **Never work blind!**



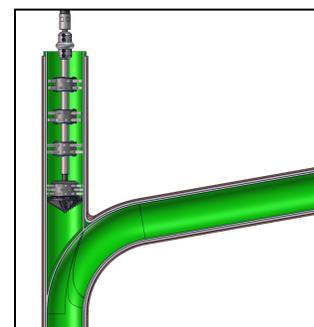
Step 2:

- Carefully drill the initial opening.
- Continue to push through so that you remove as much the liner from the connection as possible.
- **Be careful that you do not damage the already lined pipe during the process.**
- Use Smart Cutter™ Side Grinding panels to grind the hole edges before removing the tool from the pipe.
- **Tip!** You can use the Smart Cutter™ with a Smart Steering Guide to focus the grinding force in locations where the connection is hardest to grind open.



Step 3:

- It is recommended to use a lined Twister version when opening connections in already lined pipes. If a Smart Cutter™ with a front drill head is used, you will likely damage the lined pipe during the reinstatement process.
- Select the Twister according to the size of host pipe, for the job.
- Drill the connection open carefully.
- Push the Twister through the opening to remove all the remaining lining.
- You can carefully run the Smart Cutter and Side Grinding Panels to smooth out the remaining edges but be careful not to damage the liner.
- **We recommend installation of a Picote Connection Collar at all branch connections of 2 CIPP lined pipes to ensure a full 360° seal in both the main and lateral connections!**



REPLACEMENT OF PANELS & DRILL HEADS

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

! WARNING

This section contains important safety information.
Failure to comply could result in serious injury or death.

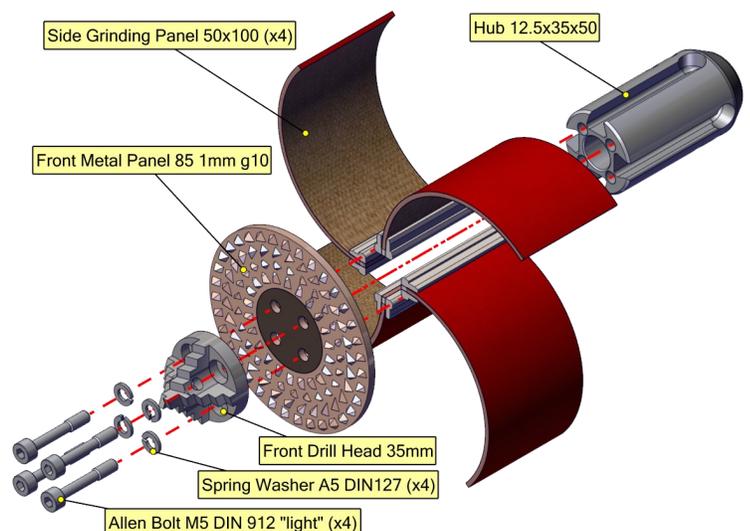
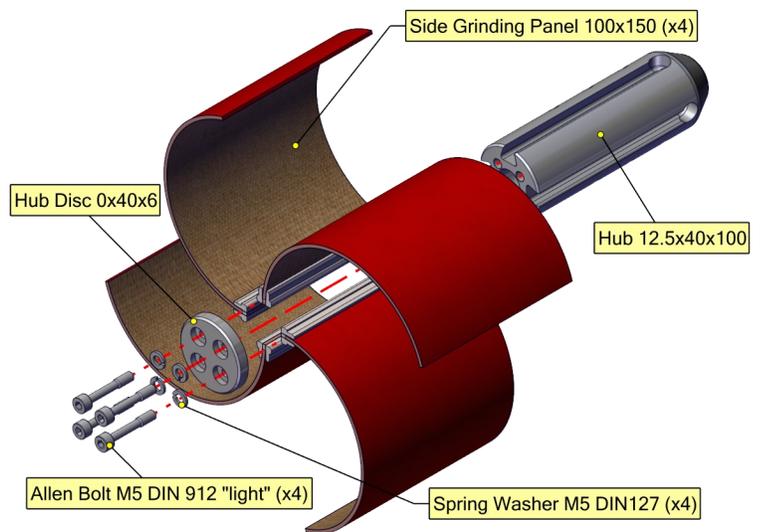
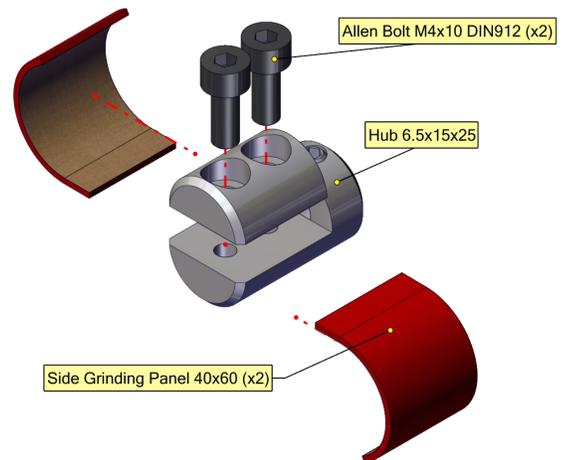


Non-Wedge Hubs:

- Remove Allen Bolts and change the worn out Side Grinding Panels.
- The red grinding side of the new standard or XT Rough panels needs to be positioned to match the rotation direction (clockwise).
- Repeat assembly steps in reverse order to mount the panels. Tighten Allen Bolts evenly.
- **We recommended using Loctite 542.**

Wedge Hubs:

- Remove Allen Bolts and Spring Washers and change the worn out Side Grinding Panels, Front Plastic Panels and Drill Head (if needed).
- The red grinding side of the new standard or XT Rough panels needs to be positioned to match the rotation direction (clockwise).
- If using Plastic Panels, 2 Panels are needed. Place the smooth backsides against each other.
- Repeat assembly steps in reverse order to mount the panels. Tighten Allen Bolts evenly.
- **We recommended using Loctite 542.**



ATTACHING THE SMART CUTTER™ TO THE SHAFT

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

ATTACHING SMART CUTTER™ HUB TO SHAFT:

- Always inspect the Picote Miller shaft before each use.
- If the shaft is damaged or there are potential weak points, cut off the damaged length or replace the entire shaft as needed.
- Round off any sharp edges to avoid cuts and to make it easier to insert the shaft into the Smart Cutter™ Hub. Please see the corresponding Miller Operation & Safety Manuals for instructions.
- Run the Miller without tooling for 30 seconds to allow the shaft to position itself. Check that there is sufficient length of exposed flexible shaft, without its outer casing, to adequately attach tooling and allow for shaft movement/tooling rotation without causing binding/friction.



Damaged Shaft.
Needs to be trimmed.



Leave a gap between the sleeve and the Smart Cutter™ Hub of approximately 6mm (1/4").



TIGHTENING SET SCREWS / ALLEN BOLTS:

- Check that all bolts have been loosened so that the shaft can be easily inserted.
- Position the shaft inside the Smart Cutter™ Hub as far as it will go.
- Always tighten the set screws starting from the one furthest away from the end of the flexible shaft (where applicable).

OPERATION

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

WARNING

This section contains important safety information.
Failure to comply could result in serious injury or death.



BEFORE USE:

- Select the correct size of Smart Cutter™ and Side Grinding Panels.
- Ventilate worksite / pipes properly and ensure pipes are grounded / earthed.
- Ensure water will be flowing in the pipe or the vacuum extraction is ready (dry cleaning). We recommend using water whenever possible to speed flushing out of debris which could lead to future blockages.
- Twist the Side Grinding Panels so that you create a tight roll and then place the tooling into the pipe.
- Never turn on the Miller or operate the Smart Cutter™ outside of the pipe.

DURING USE:

- Always use CCTV camera to observe progress.
- Hold shaft tightly and move tooling back and forth constantly during use.
- Do not force the tooling, let the tool do the work. If excessive force or high speeds are used the Smart Cutter™ might get stuck, or damage itself, the Miller shaft or the pipe itself.
- When working in plastic pipes or in cleaning tight bends the Smart Cutter™ can quickly generate enough friction heat that the plastic pipe could melt if the tooling is not moved back and forth constantly.
- If cleaning, work in roughly 1m (3 ft) sections starting from the far end of the pipe. After each section is cleaned, move back along the pipe and continue the cleaning process in next section.
- When grinding the edges in re-opened CIPP connections, use a CCTV camera to locate the correct position and grind as long as needed. Steering wires, hooks and weights can help to control and assist the process.
- When the Smart Cutter™ is used after the Twister Metal Grinder for metal removal, begin the process with the lowest possible Miller rotation speed. After you have rounded the sharp edges of any metal remnants, you can then turn the Miller up to its maximum rotational speed.
- If water cooling is not used, take a break every 30 minutes to allow the Smart Cutter™ to cool. **Touch only with heat resisted gloves.** Tooling can be cooled down with water or left to cool in the open air.

AFTER USE:

- **Always turn the power off before you remove the tool out from the pipe! There is a risk of serious injury or even death!**
- Check out the condition of the tooling and shaft. Replace worn-out parts. If part of the shaft is damaged, it can be removed using a disc cutter and the outer casing shortened accordingly.

WARRANTY POLICY & PROCEDURE

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Limited Warranty:

Picote warrants to the original End User that the Product purchased by such End User will operate in accordance with, and substantially conform to their published specifications when shipped or otherwise delivered to the End User and for a period of one (1) year, except electric motors and batteries for which the warranty period shall be six (6) months, provided, however, that Picote does not warrant any claim or damage under this Warranty if such claim or damage results from:

1. Consumable parts or normal wear and tear resulting from use of the Products,
2. Regular periodic maintenance of Products,
3. Misuse, neglect, or improper installation or maintenance of the Products, or use of Products not for their intended purpose,
4. Products that have been altered, modified, repaired, opened or tampered with by anyone other than Picote or an authorized Picote Service Centre, or unsuitable or unauthorized spare parts, accessories or third party products when using the Products or;
5. the use of the Products not in compliance with their respective Documentation, user manuals, safety and maintenance instructions, and any usage restrictions contained therein, or
7. accident, fire, power failure, power surge, or other hazard.

Otherwise, the Products are sold AS IS. End User is responsible for using the Products within their specifications and instructions as contained in the Documentation.

EXCEPT AS SPECIFIED IN THIS WARRANTY, ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS, AND WARRANTIES INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON INFRINGEMENT, SATISFACTORY QUALITY OR ARISING FROM A COURSE OF DEALING, LAW, USAGE, OR TRADE PRACTICE, ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. TO THE EXTENT AN IMPLIED WARRANTY CANNOT BE EXCLUDED, SUCH WARRANTY IS LIMITED IN DURATION TO THE WARRANTY PERIOD. BECAUSE SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, THE ABOVE LIMITATION MAY NOT APPLY. This disclaimer and exclusion shall apply even if the express warranty set forth above fails of its essential purpose.

TRAINING

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

TRAINING CENTRES:

- Phoenix, Arizona, **USA**
- Porvoo, **Finland**
- Sandhurst, England, **UK**

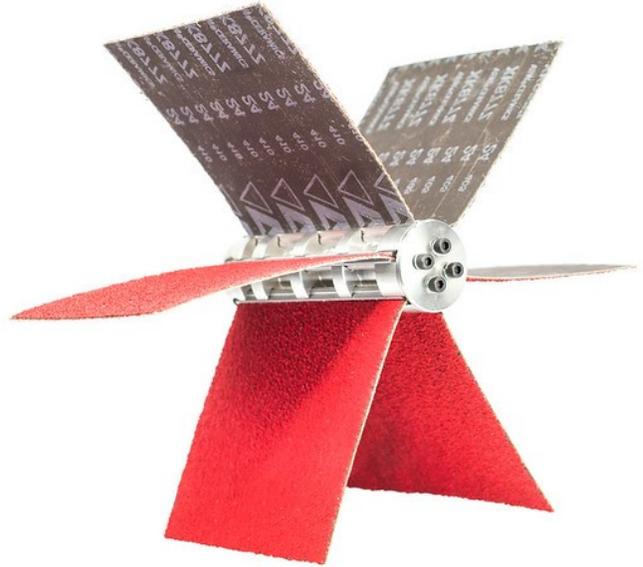
Picote training is highly recommended to get the most out of your investment.

Visit our website at www.picotegroup.com or contact us at: training@picotesolutions.com to find out about course offerings, pricing, and scheduling. Certificates are provided for all trainings.





Rev 5: Ryan Boldan
Date: Jun 25, 2024



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