



# SMALL GRABBER

## OPERATION & SAFETY MANUAL



### **WARNING**

*These instructions are for your personal safety. Always ensure that you have read and understood these instructions before using the machinery.*  
**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](http://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.

# GENERAL 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.*

**Always read all safety warnings and instructions.** Failure to follow warnings and instructions may result in serious injury.

## 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 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.

1. **Always wear eye protection as well as heat and cut-resistant gloves.**

Other personal protective equipment, such as dust mask, gloves and overalls should be worn when necessary. Dust produced when working can be dangerous to your health, inflammable or explosive.

**Always wear appropriate personal protective equipment.**

2. **Before each use** inspect the Grabber and Jaws carefully for any potential break or damage.

**Change damaged parts immediately.**

3. Only use this tool with the accessories and spare parts offered by the Picote Solutions. Accessories and spare parts should only be used in the manner intended and as described by Picote Solutions.

# STORAGE & DISPOSAL

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

## **⚠ WARNING**

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

### **STORAGE**

It is recommended that the Small Grabber is stored indoors to protect it from rain and sunlight and also in a constant ambient temperature. It is recommended that the 5m (16ft) long Small Grabber is stored in a coil with two turns and the 10m (32ft) long Small Grabber in four turns.

### **DISPOSAL**

The Jaw set, wire and handle can be recycled in metal waste collection points. The plastic outer casing of the shaft can be disposed of as plastic waste.

**Always follow your local waste handling rules and regulations.**

# GENERAL INFORMATION & INTENDED USE

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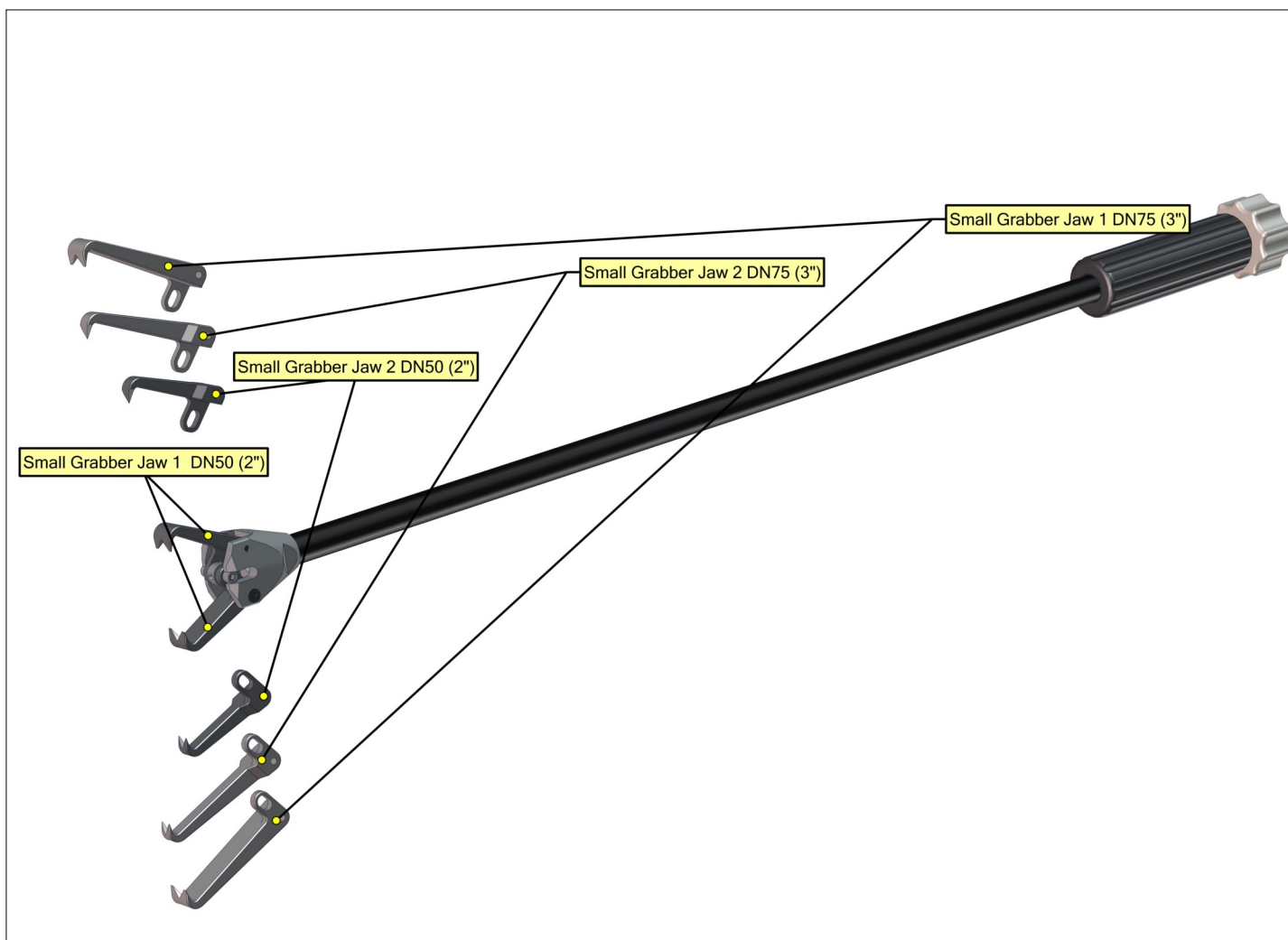
## SMALL GRABBER

Two lengths available: 5m (16ft) & 10m (32ft). **No extension available.**

Two models of Jaw Set for different uses: Model 1 (Paw) & Model 2 (Claw).

Two packages are available: **Extra** with 4 Jaws (with both Models 1 & 2) and **Value** with 2 Jaws (Model 1 only).

|            |  |
|------------|--|
| 2370000020 | Small Grabber Value DN50-75 (2-3") 5m (16ft) Model 1 Jaw Type (Paw)                      |
| 2370000021 | Small Grabber Value DN50-75 (2-3") 10m (32ft) Model 1 Jaw Type (Paw)                     |
| 2370000022 | Small Grabber Extra DN50-75 (2-3") 5m (16ft) Model 1 (Paw) and Model 2 (Claw) Jaw types  |
| 2370000023 | Small Grabber Extra DN50-75 (2-3") 10m (32ft) Model 1 (Paw) and Model 2 (Claw) Jaw types |



## INTENDED USE

1. Retrieving lost items or foreign objects from inside a pipe.

# OPERATING INSTRUCTIONS

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**NOTE!** The Small Grabber should only be used in an **uncoiled** position. Excessive use of force may result in the tool breaking!

1. To close the Jaws, rotate the handle clockwise.



2. To open the Jaws, rotate the handle counter clockwise.



# OPERATING INSTRUCTIONS

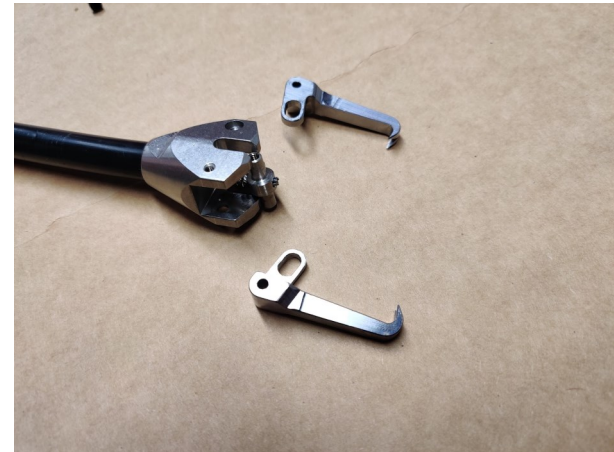
SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

## CHANGING THE JAWS

1. Use a 2.5mm hex key to unscrew both screws at the Jaw



2. Take out the Jaws and re-assemble in reverse order



# MAINTENANCE

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**Clean any dirt from the screw handle and lubricate the threads with vaseline after each use.**



**Clean dirt from the Jaw mechanism and lubricate it with oil after each use.**



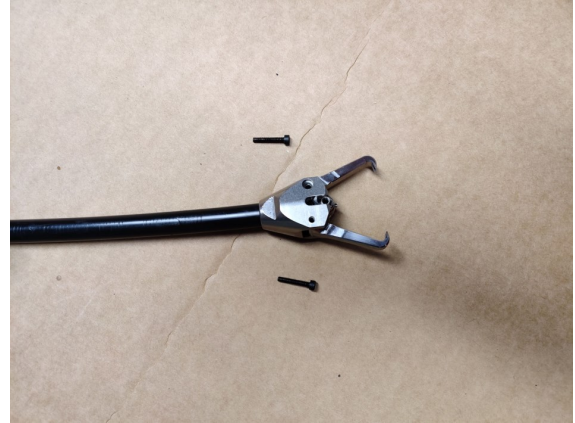
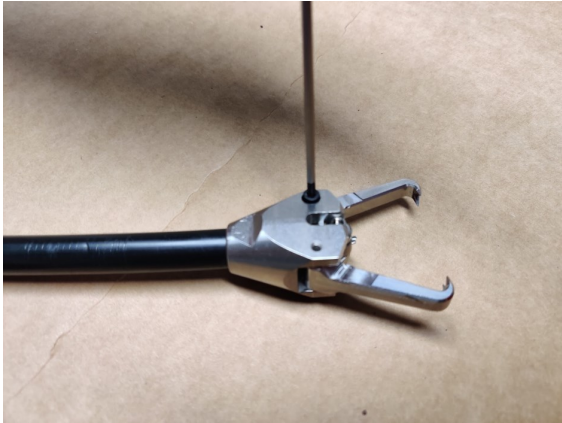
# REPAIRING DAMAGED CABLE FROM JAW END

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



**NOTE! The Small Grabber should only be repaired in an **uncoiled** position.**

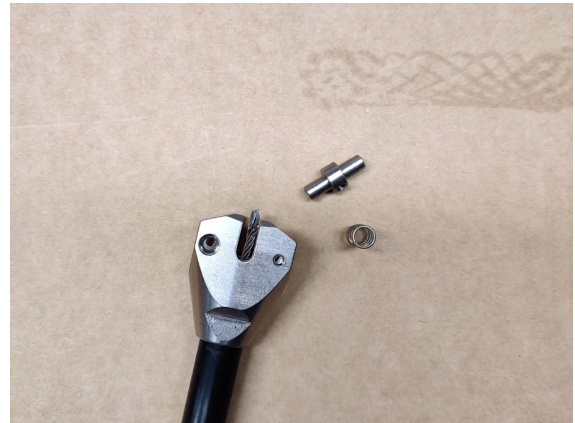
1. Use 2.5mm hex key to unscrew both screws at the Jaw



2. Take out the Jaws



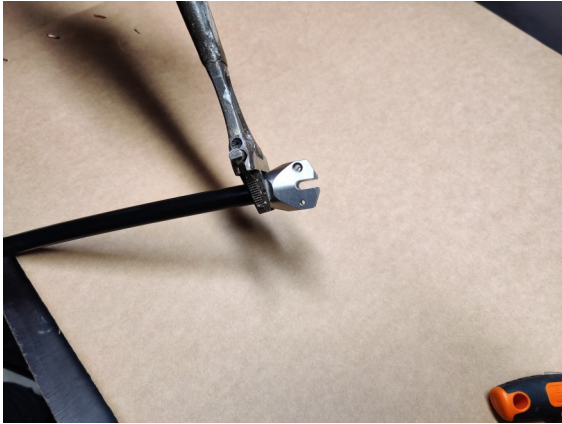
3. Use 2mm and 3mm hex keys to unscrew the set screw to remove the wire holder and spring



# REPAIRING DAMAGED CABLE FROM JAW END

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4. Use a wrench to remove the Jaw Head



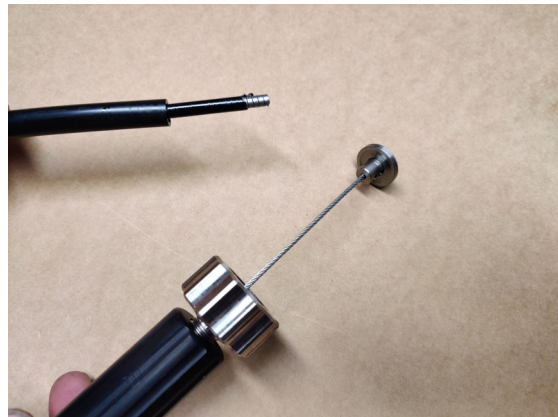
5. Carefully cut the outer casing. Avoid cutting the wire inside. Cut at least 25mm (1") or until you have no damaged wire left.



6. Trim the wire.



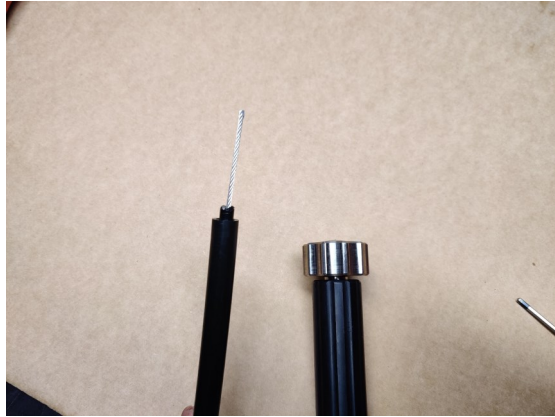
7. Pull the wire inside its casing - it should measure at least the same length as the trimmed outer casing.



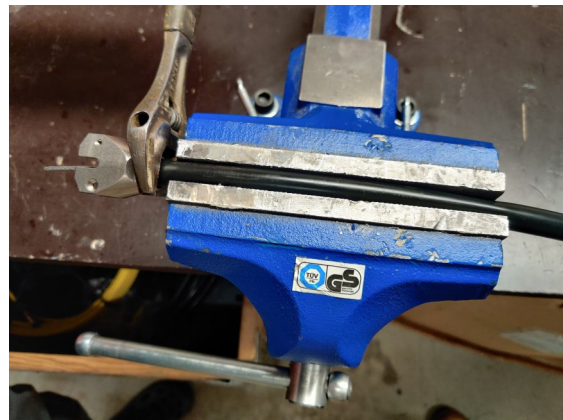
# REPAIRING DAMAGED CABLE FROM JAW END

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8. Trim the inner casing to the same length as the outer casing. Approximately 5mm (0.2") of the inner casing should be showing (see below). Push the wire back inside and screw the handle all the way in.



9. Screw the Jaw Head back on to the outer casing. A vice helps hold it in place.



10. Replace the spring and the wire holder.  
**Do not** tighten the wire holder yet.



11. Put the Jaws back and tighten the Jaw screws.



# REPAIRING DAMAGED CABLE FROM JAW END

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12. Pull the wire to remove any loose wire. Tighten the set screw.



13. Test that the tool works and trim the excess wire.



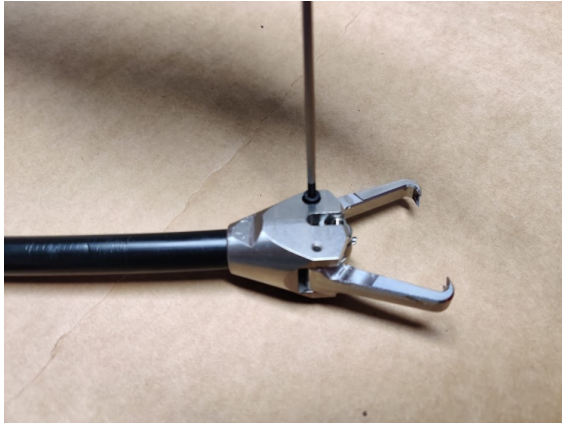
# REPAIRING A DAMAGED CABLE FROM HANDLE END

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



**NOTE!** The Small Grabber should only be repaired in an **uncoiled** position.

1. Use 2.5mm hex key to unscrew both screws at the Jaw end



2. Remove the Jaws



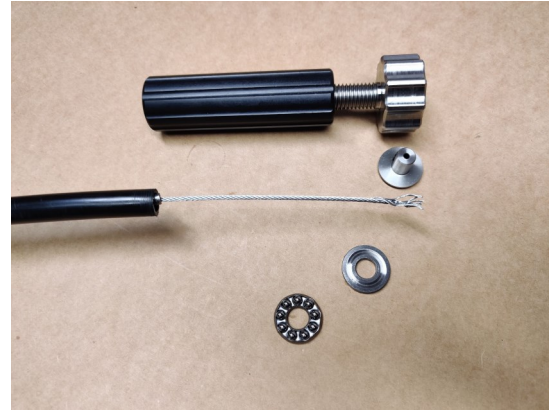
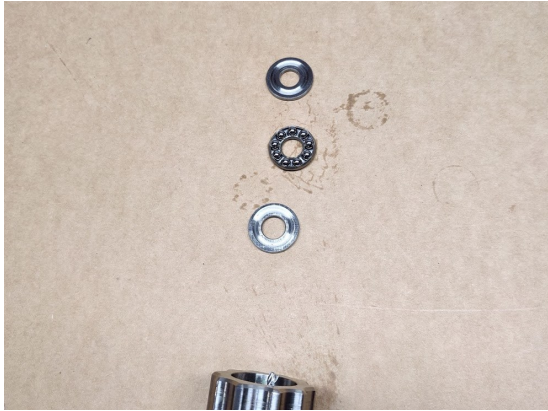
3. Use 1.5mm hex key to unscrew both set screws from the end cap.



# REPAIRING A DAMAGED CABLE FROM HANDLE END

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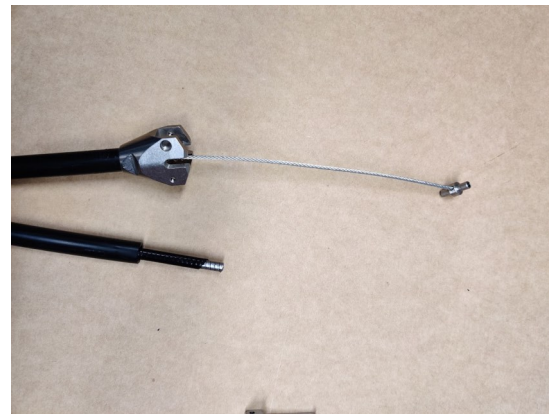
4. Take out the bearing and unscrew the handle from the outer casing



5. Carefully cut the outer casing. Avoid cutting the wire inside. Cut at least 25mm (1") or until there is no damaged wire left.



6. Pull the wire at the Jaw end and trim the inner casing to the same length as the outer casing. Approximately 5mm (0.2") of the inner casing should be showing.



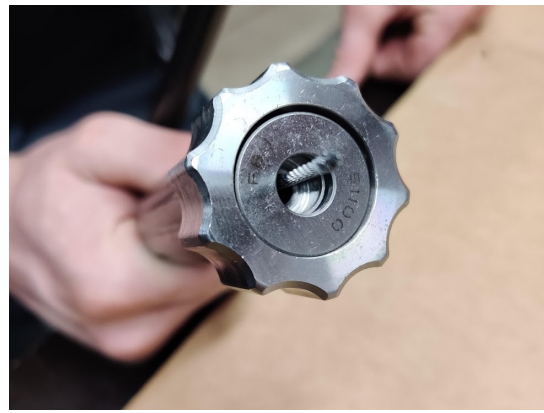
7. Push the wire back in and screw the handle back on to the outer casing. A vice helps hold it in place.



# REPAIRING A DAMAGED CABLE FROM HANDLE END

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8. Re-assemble the handle in reverse order



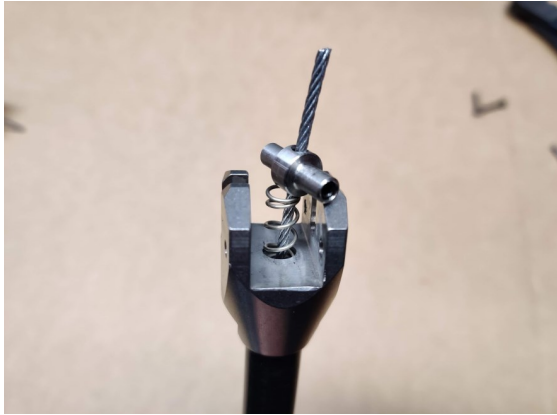
9. Put the end cap back but don't push the wire completely through the end cap to avoid sharp edges!



# REPAIRING A DAMAGED CABLE FROM HANDLE END

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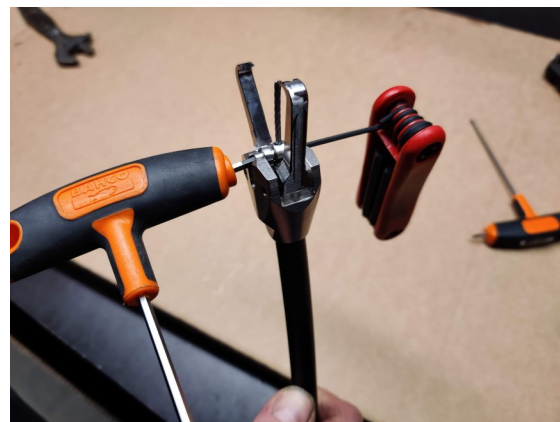
10. Loosen the set screw at the wire holder



11. Put the Jaws back and tighten the jaw screws.



12. Pull the wire to remove any loose wire at the handle end. Tighten the set screw.



13. Test the tool works and trim the excess wire.



**If there is problem that you cannot resolve with this manual, please consult your Picote Reseller or Picote Solutions.**



# ACCESSORIES, SPARES & RECOMMENDED PARTS

## SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

### **⚠ WARNING**

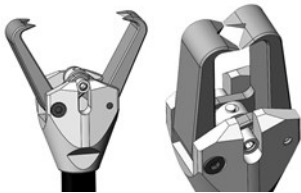
You must use only Picote Solutions accessories and attachments with the Product product as described in this operations manual. The use of other accessories or attachments could present a risk of injury. The accessories or attachments should only be used in the proper and intended manner. Always follow Picote Solutions instructions.

### SMALL GRABBER

|            |  |
|------------|--|
| 2370000020 | Small Grabber Value DN50-75 (2-3") 5m (16ft) Model 1 Jaws (Paw)                          |
| 2370000021 | Small Grabber Value DN50-75 (2-3") 10m (32ft) Model 1 Jaws (Paw)                         |
| 2370000022 | Small Grabber Extra DN50-75 (2-3") 5m (16ft) with Model 1 (Paw) and Model 2 (Claw) Jaws  |
| 2370000023 | Small Grabber Extra DN50-75 (2-3") 10m (32ft) with Model 1 (Paw) and Model 2 (Claw) Jaws |

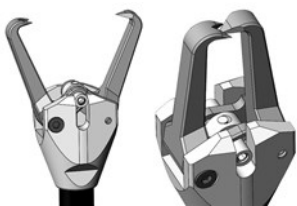
### SPARE PARTS

|            |  |
|------------|--|
| 2370000024 | Small Grabber Jaw Set 1 (Paw) for DN50 (2")  |
| 2370000025 | Small Grabber Jaw Set 2 (Claw) for DN50 (2") |
| 2370000026 | Small Grabber Jaw Set 1 (Paw) for DN75 (3")  |
| 2370000027 | Small Grabber Jaw Set 2 (Claw) for DN75 (3") |



Model 1 Jaw (**Paw**)

The Small Grabber comes with the Model 1 Jaw (Paw) as standard. The DN50 (2") head is pre-attached. The Paw is perfect for grabbing most items with a larger surface area where you cannot get the jaw all the way around the object. Also ideal for objects with smoother surfaces which can be harder to grab.



Model 2 Jaw (**Claw**)

You can buy the Model 2 Jaws (Claws) separately or as part of the **Extra** package. The jaws of the Claw overlap so that they can fully encompass a smaller object or a smaller part of an object (for example a chain link).

**RECOMMENDATION :** Always use a CCTV Camera while operating the Small Grabber.

# WARRANTY POLICY & PROCEDURE

## SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

### 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 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. Product overload or overheated motor,
3. Regular periodic maintenance of Products,
4. Misuse, neglect, or improper installation or maintenance of the Products, or use of Products not for their intended purpose,
5. 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;
6. 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.

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