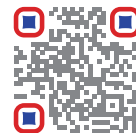


# PREP 8 PORTABLE PIPE BEVELLING MACHINE

1.93 - 8.46" i/d / 48 - 215 mm i/d



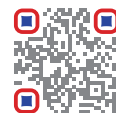
ORIGINAL INSTRUCTIONS / NOTICE ORIGINAL



PIPE EQUIPMENT SPECIALISTS

INSTRUCTION MANUAL

[www.TAG-PIPE.COM](http://www.TAG-PIPE.COM)



The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and Sumner (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

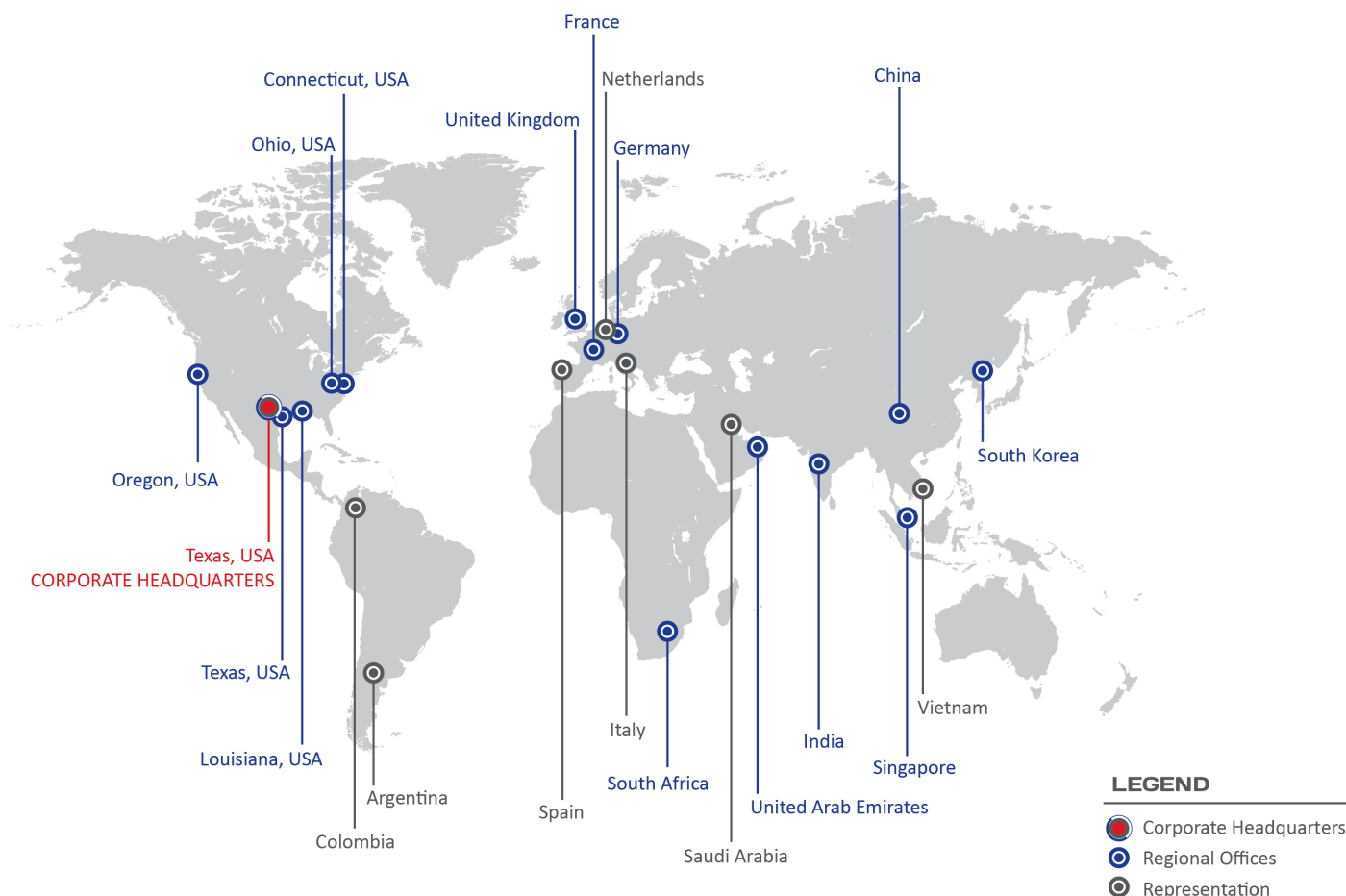
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

**S.F.E. Group** looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

Contact International: [sales-int@sfe-brands.com](mailto:sales-int@sfe-brands.com)

## S.F.E. GROUP GLOBAL PRESENCE







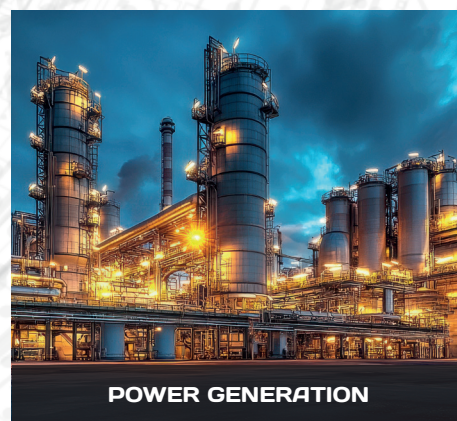
The S.F.E. Group's brand **TAG Pipe Equipment Specialists LTD** (in short: **TAG PIPE**) has its roots in the 1980's in the United Kingdom with the manufacturing and supplying of pipework fabrication tools and machinery. Over the years TAG PIPE became internationally one of the foremost leaders in its field, and today S.F.E. Group's unrivalled **TAG PIPE** range of cold cutting and bevelling machines is established and recognized as a world class leading brand.

Backed by more than 40 years of development, **TAG PIPE** not only offers the highest quality heavy duty machines utilizing the latest technology, but also stands for an emphasis on continuous R&D and tailor made solutions. As an OEM, S.F.E. Group prides itself being renowned for its innovations, ground-breaking developments and patented designs within the **TAG PIPE** range. With its engineering capabilities, customer-oriented focus and flexibility, the **TAG PIPE** brand provides the possibility to design out-of-the-box machining applications and solutions to fulfil customers' projects' specific needs in particular, and to cater for an ever-evolving industry in general.

The **TAG PIPE** brand portfolio consists of a complete range of portable pipe bevel machines (PREP machines covering 1 - 24"), the **TAG PIPE** cutting and bevelling splitframe clamshell machines (1 - 120"), as well as the stationary, yet moveable E-Z FAB machines (2 - 16") for pipe cutting and bevelling, the E-Z pipe saws and finally the PMM plate bevel machines.

**TAG PIPE** machines are always nearby available within the S.F.E. Group global network and can be consulted on the dedicated website: [www.TAG-PIPE.com](http://www.TAG-PIPE.com).

## INDUSTRIES SERVED



## OUR BRANDS

**CLIMAX**



**H&S TOOL**

**MATHEY DEARMAN**

**AXXAIR**

**MAGNATECH**

**B&B SUMNER**

**CALDER**

**BORTECH**

**PMP PIPE PURGE MASTERS**

**FIT-UP PRO**  
By Mathey Dearman

**SUMNER**  
MATERIAL LIFTS & CARTS

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# 2

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## INTRODUCTION TO TAG

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## 1 - PREFACE

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This manual provides the essential information and step-by-step guidance to the principle, configuration, installation and usage of the AXXAIR SAS – S.F.E. Group's TAG PREP machine models (in short: S.F.E. Group, TAG PREP or PREP).

The TAG PREP models are a high-tech portable inside diameter locking cold pipe bevelling machine. The basic functions of the PREP models are the facing, external bevelling, internal bevelling and counterboring of pipes within the selected model's working range (inside diameter). The PREP models can be used on any type of steel and exotic alloys.

The PREP models are available with the following motorizations: pneumatic, hydraulic and servo electric motor. The PREP models configuration are flexible due to its modular character: components (e.g. toolbox, striker block, etc.) and motors can be (within their limitations) exchanged, upgraded and replaced. The PREP models accept a wide range of accessories and bevelling tooling to increase their performance and expand their machining capacities.

Please read the instruction manual carefully before using the equipment.

### NOTE

In the event of queries on installation, commissioning, operation or special conditions at the operation's site, or on usage, please contact your nearest S.F.E. Group authorised partner or our France International Head Office - customer service department: **+33 4 75 57 50 79**. You can also email us: **sales-int@sfe-brands.com**.

### DISCLAIMER

AXXAIR SAS – S.F.E. Group's liability related to the operation of the PREP models are restricted solely to the function of the equipments. No other form of liability, regardless of type, shall be accepted. This exclusion of liability shall be deemed accepted by the user on commissioning of the equipment. S.F.E. Group is unable to monitor whether or not the instructions in this manual or the conditions and methods are observed during installation, operation, usage and maintenance of the PREP. An incorrectly performed installation can result in material damage and injure persons as a result. For this reason, S.F.E. Group does not accept any responsibility or liability of losses, damages or costs arising from incorrect installation, improper operation or incorrect usage and maintenance or any actions connected to this in any way possible.

## 2 - SAFETY INSTRUCTIONS

---



**WARNING** - S.F.E. Group takes great pride in manufacturing safe, quality products with user safety as key priority. S.F.E. Group recommends that all users comply with the following safety rules and instructions when operation the PREP models.

For your safety and the safety of others, read and understand these safety recommendations before installing and operating the PREP models. Keep this manual at all time clean and stored safely, accessible for any operator's reference at any time.

The S.F.E. Group TAG PREP is a high-tech portable inside diameter locking cold pipe bevelling machine. The basic functions of the PREP are the facing, external bevelling, internal bevelling and counterboring of pipes within the selected model's working range (inside diameter).

The TAG PREP can be used on any type of steel and exotic alloys. The PREP can be used on site or in a workshop environment. At all time it is the operator's responsibility to be aware of and adhere to the local applicable rules and legislation related to the operation of the equipment.

Wrong use or abuse of the PREP can lead to lethal accident and/or material damage (not limited to the equipment itself) and the environment.

The PREP should be operated at all time by a qualified operator, who has received adequate training on the equipment. Throughout the operation the operator must be familiar with:

- The controls of the equipment.
- The operation of the equipment.
- General and local safety regulations.
- The technical, physical and practical limitations of the equipment.

You'll find below the various significations and explanations on the symbolic used in this manual.

In this manual, warning messages and symbols are used to alert you about the danger of injuries or material damage during the use of machinery. It is essential to read carefully and to keep in mind these warnings in order to work safely.



**DIRECT DANGER** - Non observance could result in death or critical injury. Observe and carefully apply usage recommendations.

**POSSIBLE DANGER** - Non observance could result in serious injury. Observe and carefully apply usage recommendations.



**SAFETY BOOTS** - Protective footwear must be worn.



### 3 - GENERAL SAFETY INSTRUCTIONS

---

- Keep working space clean.
- Assess the working conditions properly prior to using the equipment.
- The operator should wear appropriate personal protective equipment when operating the equipment.
- When operating any heavy equipment, it is imperative that the operator is careful and observant of all moving components.
- Keep away from rotating parts during operation of the equipment.
- The operator should be physically and mentally capable of operating the equipment. In case of illness, tiredness or any medical or mental condition limiting the correct and safe operation of the equipment, the operator should be prohibited to conduct any work with the equipment.
- Make sure the grounding is connected properly and electrical cabinets are closed.
- Don't operate the electric switch, or button, or cables with wet hands, for fear of electrical shock. Protect the body from injury due to electric shock by avoiding touching any electrical parts when under power.
- Use only the foreseen earth connection. Do not ground to this equipment as it is possible to short-circuit the motor and/or control box when grounding to this equipment. Improper grounding poses a risk of electrical shock.
- Make sure power supply is disconnected when not operating or executing maintenance on the equipment.
- Do not make any modifications to existing or original electrical circuits, cabinets, safety stops and other related original components.
- Do not operate the equipment before closing all covers of the equipment. Great danger exists in naked terminals of power supply.
- Make sure all power cables are in good condition. In case of wear or damage, replace immediately.
- Don't pull the equipment by its cable(s) and don't disconnect the power cable from the equipment to cut off power. The cable(s) should be kept away from heat, power, oil, dirt and sharp-pointed tools or debris. Check the cable(s) before, during and after every operation.
- Protect yourself from toxic fumes that may be produced. Make sure there is appropriate ventilation and/or fume extraction in the working area.
- Wear impact resistant eye and ear protection while operation the equipment. If there is a lot of dust or fumes, wear dust-proof respirator or mask.
- Make sure all of equipment's safety measures, covers and other devices are normal condition and checked.

### 4 - SPECIFIC INSTRUCTIONS

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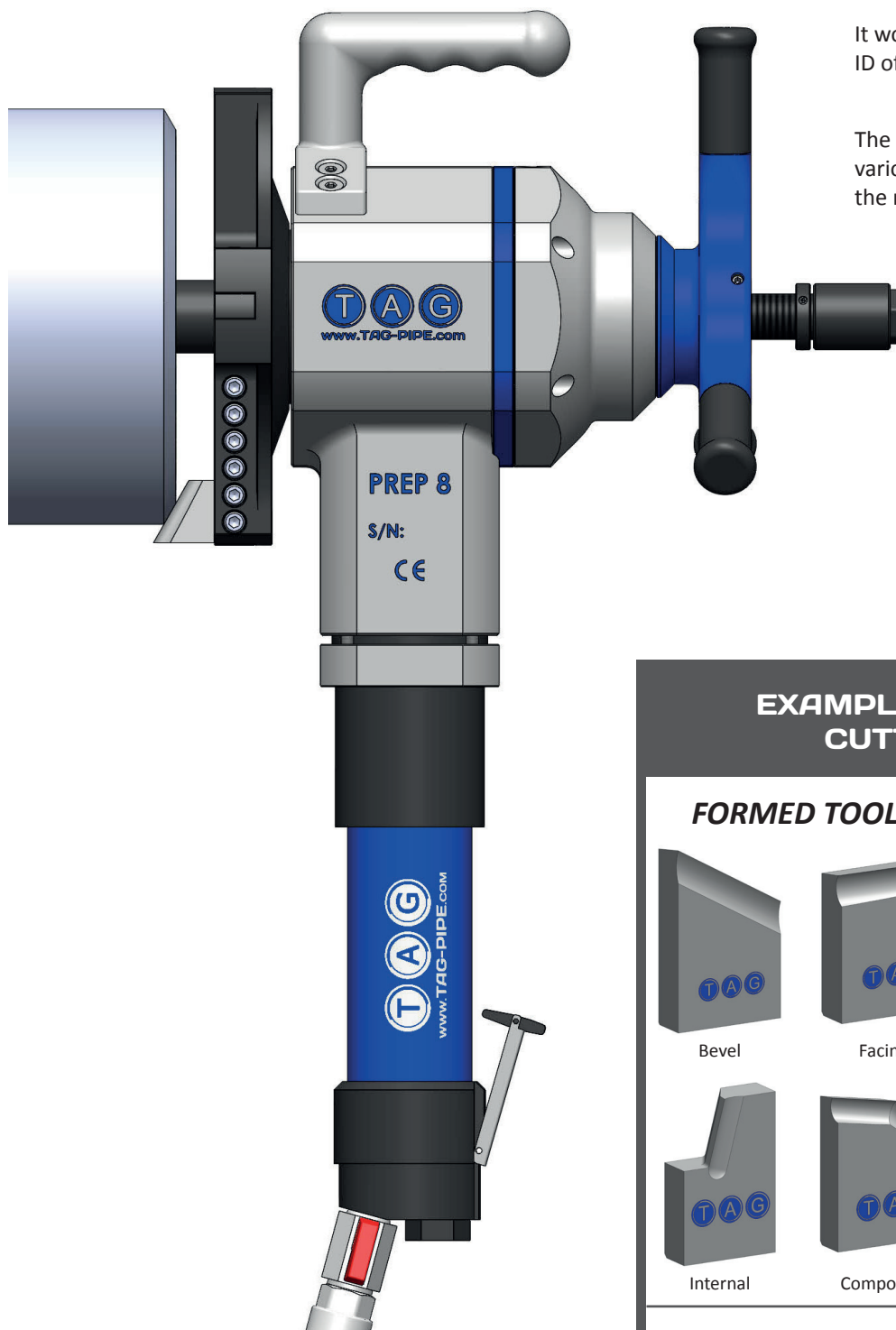
- Use solely original TAG components, accessories, tooling and (spare) parts.
- The equipment should only be used for its intended purpose.
- Considering the working environment of operation, don't get the equipment unnecessarily wet and don't use the equipment in overly humid conditions. Ensure the machine has the best possible conditions for operation.
- Do not remove or modify any component or part from the original PREP.
- Maintain the equipment regularly. In order to maintain the performance of the machine, keep it clean at all times and add oil lubricant and replace (spare) parts as per periodic recommendations.
- Prior to conducting any maintenance or change of accessories, (spare) parts or tooling, ensure that the power plug or air supply has been disconnected. The machine should not be 'powered' or in 'running mode'.
- When the power supply is connected, consider the machine in 'running mode'. Don't put hands on or near the switch.
- Before using the PREP make sure to inspect the machine on its completeness of all components, proper installation and general condition. In case of any sign of damage, wear or tear replace the affected components or parts prior to using the machine.
- Store and transport the equipment in the designated boxes in order to protect it from damage or deterioration due to environmental conditions.
- The PREP machines shall only be serviced and repaired by S.F.E. Group or an S.F.E. Group authorised partner.
- Follow carefully the instructions and technical specification related to the motorization of the PREP (voltage input, air pressure, quality of compressed air supply et cetera).
- Check the handle and safety pedal regularly (applied only to pneumatic motorized machines).



## 5 - MACHINE WORKING PRINCIPLE

The TAG Pipe PREP is a high-tech portable inside diameter locking cold pipe bevelling machine. The basic functions of the PREP are the cutting, facing, external bevelling, internal bevelling and counterboring of pipes within the selected model's working range (inside diameter). The PREP can be used on any type of steel and exotic alloys. The PREP can be used on site or in a workshop environment.

The PREP models are available with the following motorizations: pneumatic and electric motor. The PREP configuration is flexible due to its modular character: motors can be (within their limitations) exchanged, upgraded and replaced. The PREP models accept a wide range of accessories and cutting and bevelling tooling to increase their performances and expand their machining capacities.



It works while inserted and locked into the ID of the pipe.

The bevel is obtained by bevelling tools of various shape and materials, depending by the nature of the material to be bevelled.

TAG Pipe's PREP's HSS Co (high speed steel with cobalt) range of tooling includes facing, bevel, double-bevel, compound bevel and counter bore tools. TAG tooling is available in a range of different lengths and sizes in order to match precisely the required application. TAG Pipe also offers custom designed tooling, special tool steel, coatings, and inserts for applications not covered by the standard range of tooling.

### EXAMPLES OF COMMON CUTTING TOOLS

#### FORMED TOOLS



Bevel



Facing

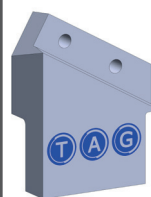


Internal



Compound

#### HOLDER / INSERT



Bevel



Facing



One insert fits ALL holders

***All shapes, sizes and angles available***



#### **SAFETY BOOTS (MANDATORY)**

Protective footwear must be worn when handling this machine.

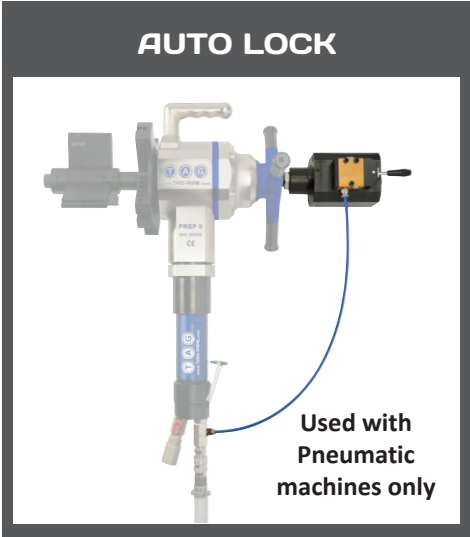


The TAG Pipe PREP models are modular in the sense that any of the following motor types can be mounted. This increases the overall user friendliness and flexibility. The motors can be installed and/or exchanged rapidly on the same motor mounting.

The TAG PREP 8 can be equipped with the following motor types:

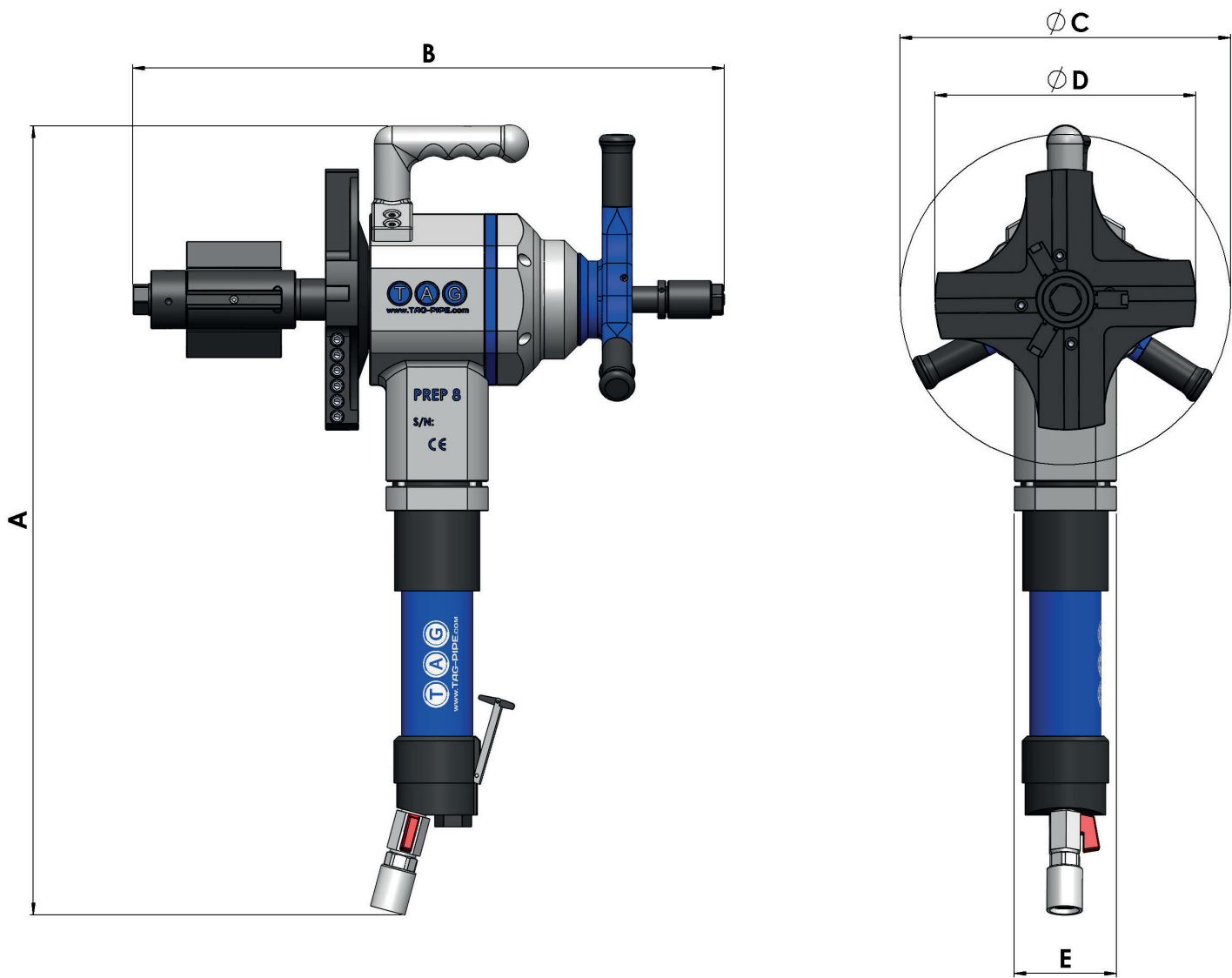


The TAG PREP 8 can be equipped with optionals:



6 - MACHINE TECHNICAL DATA

The TAG PREP 8 dimensional specifications.



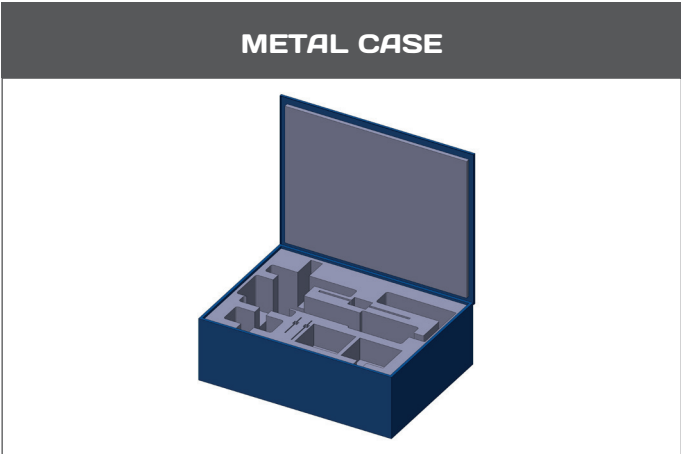
DIM	PNEUMATIC	ELECTRIC
A	670 mm	700 mm
B	520 mm	520 mm
ØC	278 mm	278 mm
ØD	220 mm	220 mm
E	86 mm	90 mm



PREP 8 TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	PNEUMATIC	ELECTRIC
Part Number	n/a	TP8P	TP8E110 / TP8E220
Locking tube range	mm (i/d)	50 - 211	50 - 211
Locking tube range	inch (i/d)	2 - 8"	2 - 8"
Idle speed	rpm	5 - 52	5 - 34
Torque	N m	265	280
Length of axial feed	mm	40	40
Max operating temperature	°C	55	55
Max acoustic radiation	dB	75	75
Pneumatic motor power	hp	1.85	n/a
Air consumption	cfm / l/min.	50 / 1400	n/a
Air working pressure	psi / bar	90 / 6.5	n/a
Air hose connection	inches	¾"	n/a
Electric motor power	watt	n/a	1900
Voltage	volt	n/a	110 or 220
Frequency	Hz	n/a	50 / 60
Unit weight	kg / lbs	25 / 55	26 / 57
Packing dimensions	mm	830 x 780 x 250	830 x 610 x 250
Packing weight	kg / lbs	55 / 121	54 / 119
Our group policy is one of continuous improvement. Products and Data Tables are subject to change or vary from those illustrated.			

7 - MACHINE STANDARD EQUIPMENT



## 8 - MACHINE SETUP AND OPERATION

### 8.1 - PREP LOCKING JAWS

Prior to mounting the PREP it is important to measure the inside diameter (in short: I.D.) of the workpiece.

#### STEP 1

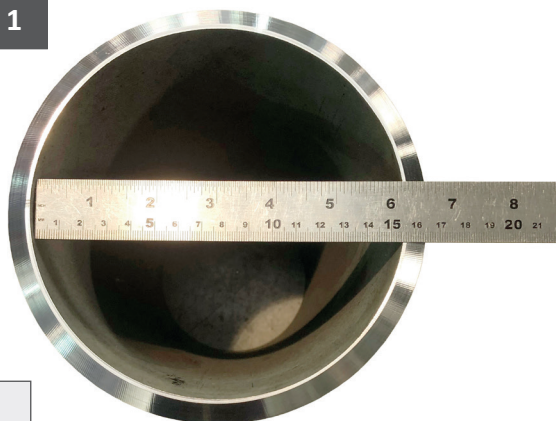


Fig. 1

I.D.

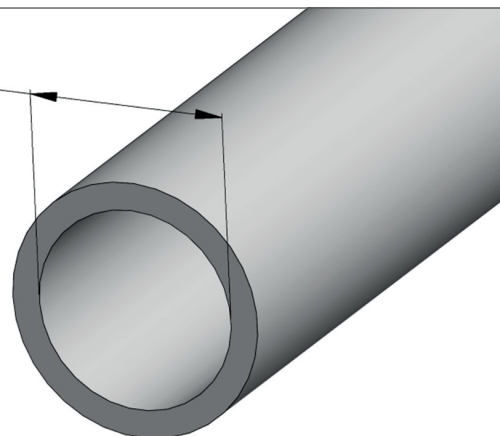


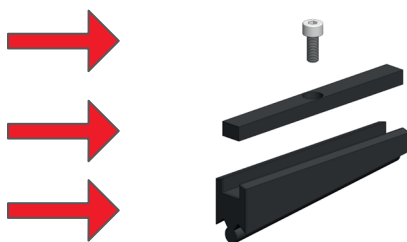
Fig. 2

#### STEP 2 Select the option A, B, or C according to the pipe ID

Allen Screw M4x10

Jaws

Ext13



# A

Ø Range from 50 to 107 mm  
Ø Range from 1.97 to 4.21 Inches

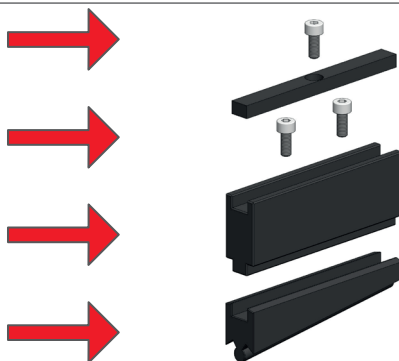
Fig. 3

Allen Screw M4x10

Jaws

Ext21

Ext13



# B

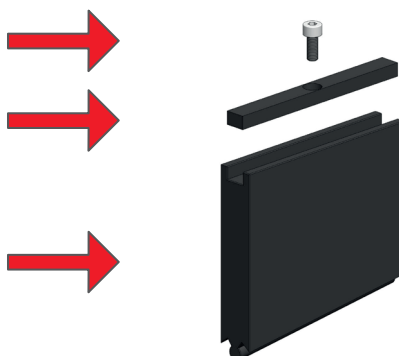
Ø Range from 102 to 159 mm  
Ø Range from 4.02 to 6.26 Inches

Fig. 4

Allen Screw M4x10

Jaws

Ext65



# C

Ø Range from 154 to 211 mm  
Ø Range from 6.06 to 8.30 Inches

Fig. 5



OPTION A - 50 to 103mm (1.07 - 4.21 Inches)

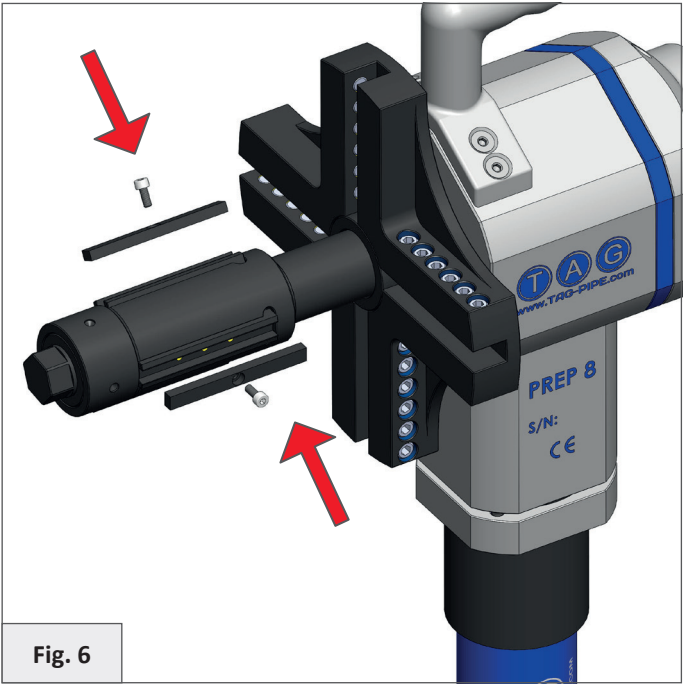


Fig. 6

Insert the Locking Jaws you have selected in function of the ID of pipe you have to prep, fix them with their screws

LOCKING JAWS		
REF	EXT13 + JAWS	
	MM	INCHES
X	50 - 55	1.97 - 2.17
Y	54 - 59	2.13 - 2.32
A	58 - 63	2.28 - 2.48
B	62 - 67	2.44 - 2.64
C	66 - 71	2.60 - 2.80
D	70 - 75	2.76 - 2.95
E	74 - 79	2.91 - 3.11
F	78 - 83	3.07 - 3.27
G	82 - 87	3.23 - 3.43
H	86 - 91	3.39 - 3.58
I	90 - 95	3.54 - 3.74
L	94 - 99	3.70 - 3.90
M	98 - 103	3.86 - 4.05
N	102 - 107	4.02 - 4.21

OPTION B - 102 to 159mm (4.02 - 6.26 Inches)

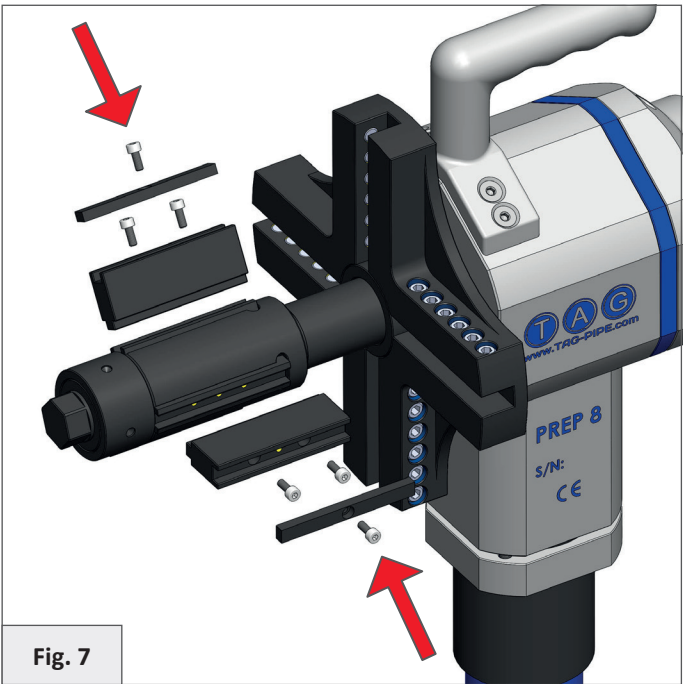


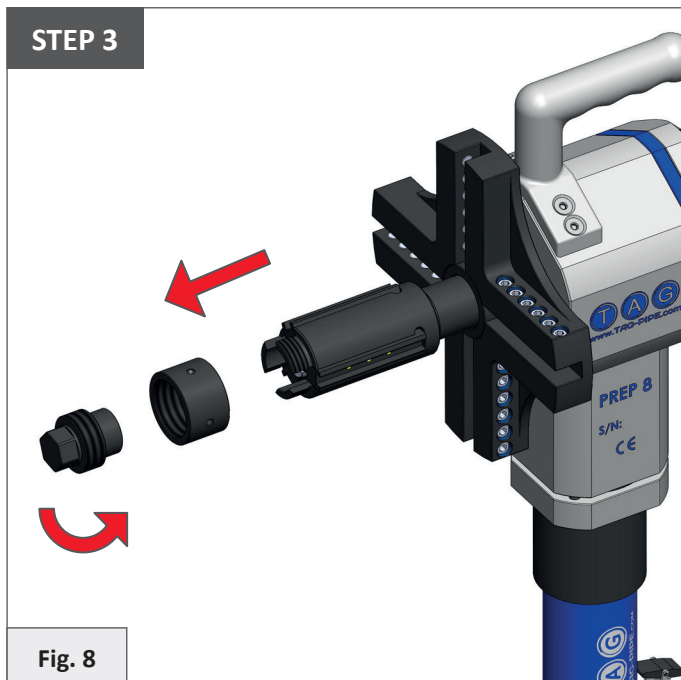
Fig. 7

Insert the Locking Jaws you have selected in function of the ID of pipe you have to prep, fix them with their screws

LOCKING JAWS		
REF	EXT13 + EXT21 + JAWS	
	MM	INCHES
X	102 - 107	4.02 - 4.21
Y	106 - 111	4.17 - 4.37
A	110 - 115	4.33 - 4.53
B	114 - 119	4.50 - 4.70
C	118 - 123	4.65 - 4.85
D	122 - 127	4.80 - 5.00
E	126 - 131	4.96 - 5.16
F	130 - 135	5.12 - 5.32
G	134 - 139	5.28 - 5.48
H	138 - 143	5.43 - 5.63
I	142 - 147	5.59 - 5.79
L	146 - 151	5.75 - 5.95
M	150 - 155	5.91 - 6.10
N	154 - 159	6.06 - 6.26

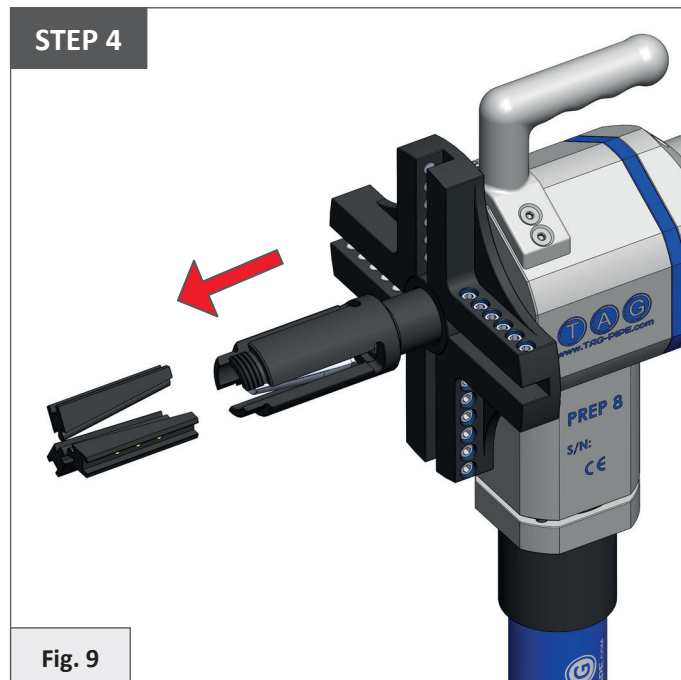
## OPTION C - 154 to 211mm (6.06 - 8.30 Inches)

### STEP 3



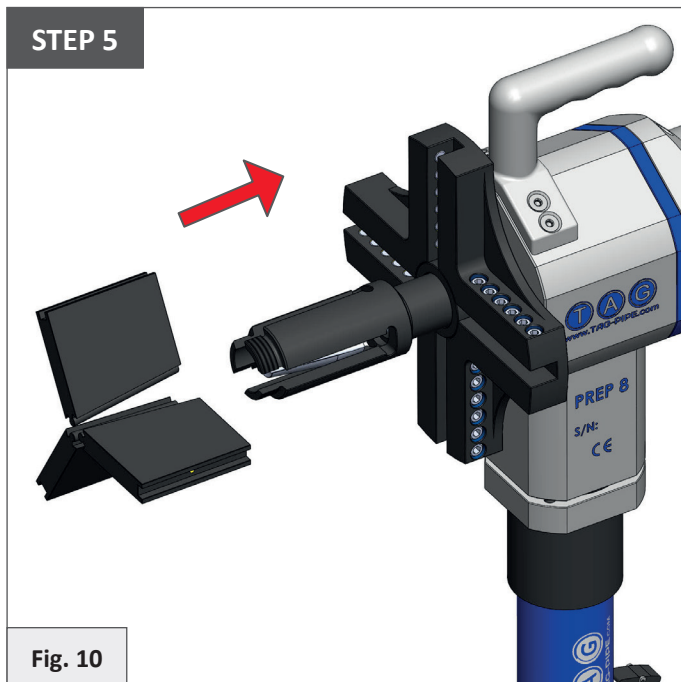
Remove the ring stop nut and the bush with a anti-clockwise movement

### STEP 4



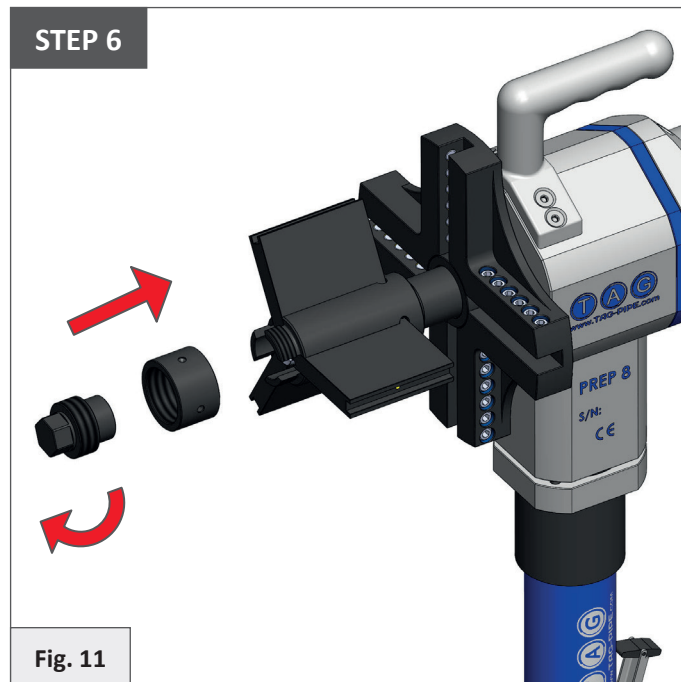
Take out the 3 Extension Jaws (EXT13) one by none as shown in the picture

### STEP 5



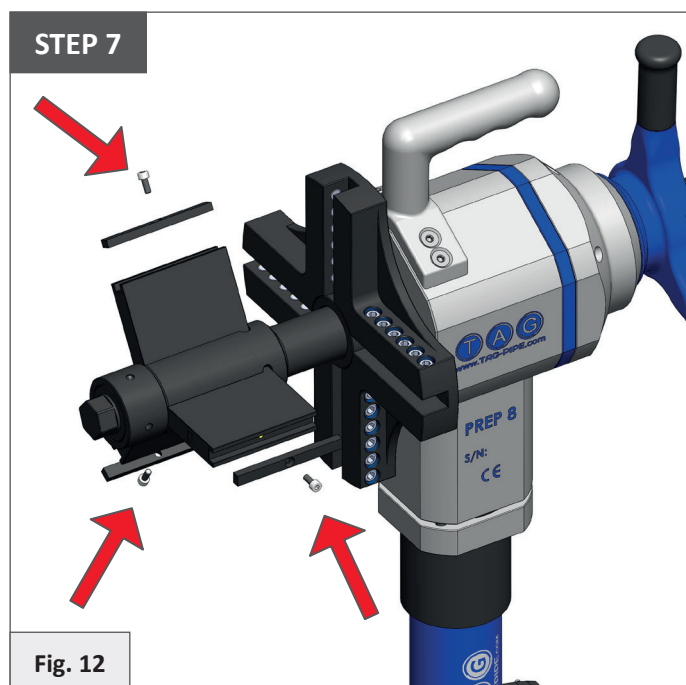
Get the EXT65 from the case and insert them one by one in the slot where from previously removed the smaller Extension Jaws

### STEP 6



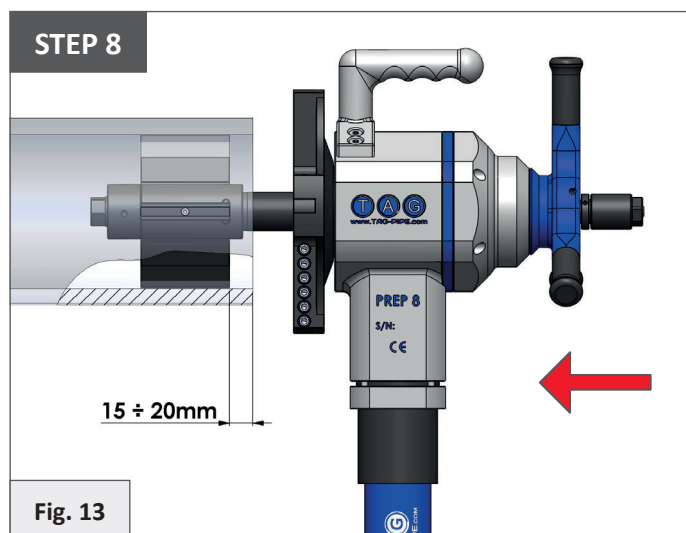
Assembly back the bush ring stop and the nut stop with a clockwise rotation





Insert the Locking Jaws you have selected in function of the ID of pipe you ha to prep, fix them with their screws

LOCKING JAWS		
REF	EXT65 + JAWS	
	MM	INCHES
X	154 - 159	6.06 - 6.26
Y	158 - 163	6.22 - 6.42
A	162 - 167	6.38 - 6.58
B	166 - 171	6.53 - 6.73
C	170 - 175	6.69 - 6.89
D	174 - 179	6.85 - 7.05
E	178 - 183	7.00 - 7.20
F	182 - 187	7.16 - 7.36
G	186 - 191	7.32 - 7.52
H	190 - 195	7.48 - 7.68
I	194 - 199	7.64 - 7.84
L	198 - 203	7.79 - 7.99
M	202 - 207	8.79 - 8.15
N	206 - 211	8.11 - 8.30



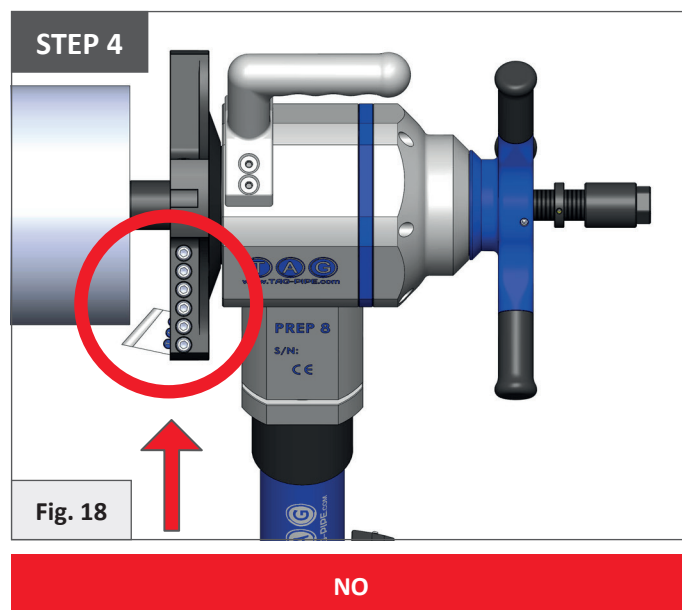
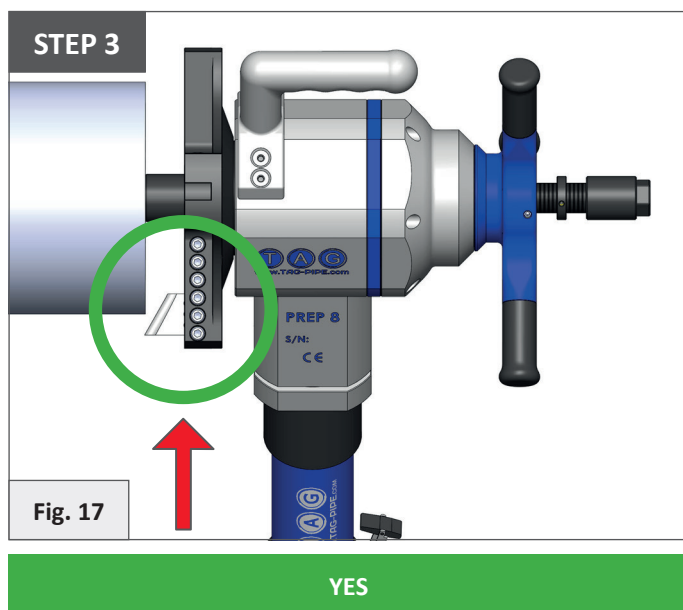
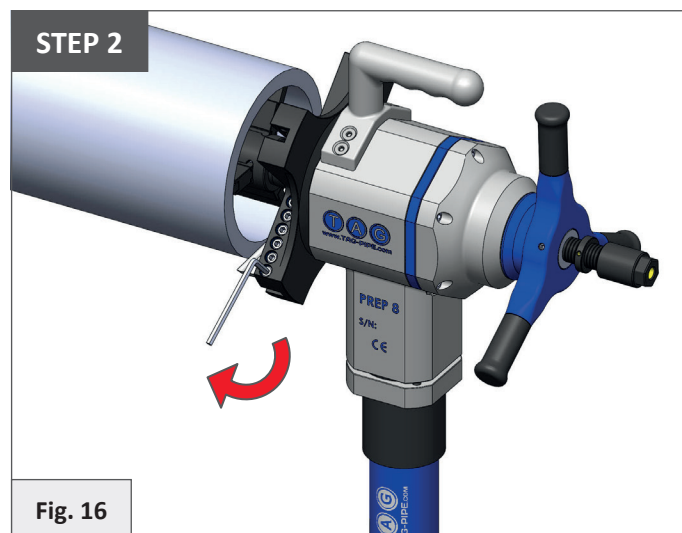
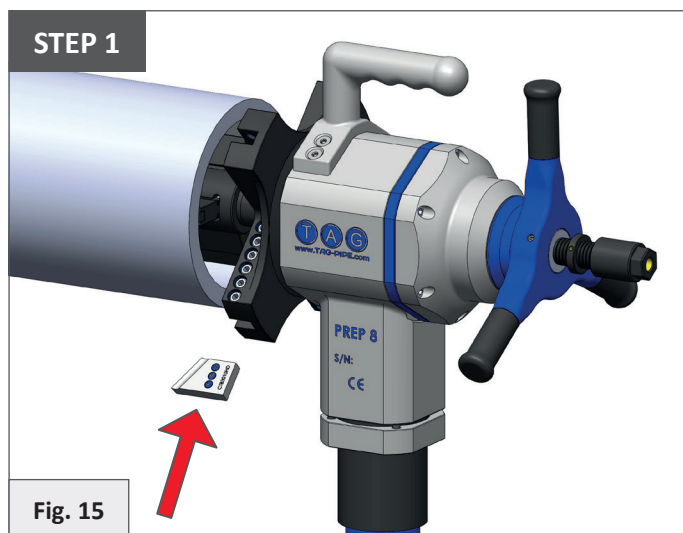
**⚠ WARNING** - In order to achieve the perfect positioning and locking the jaws have to be inserted in the ID for at least 15÷20mm as shown in the picture.



Keep the machine aligned with the axis of the pipe and fasten tightly the lock/unlock nut with a wrench turning it clockwise

## 8.2 - TOOLS SETUP

Select the bevelling tool in regard to the bevel you need to perform and insert it on the chuck locking it with the grub screws by using the allen key. You will want to use paired cutting tools and one facing tools when required.

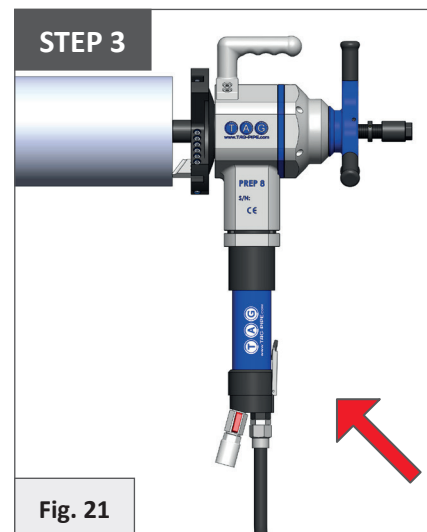
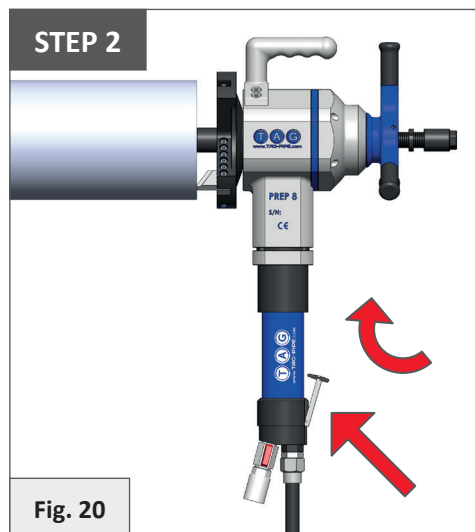
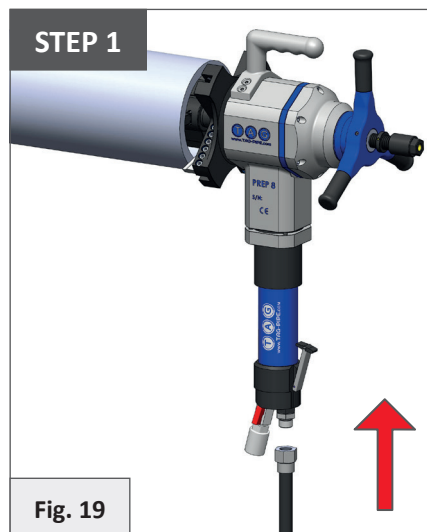




## 8.3 - OPERATION

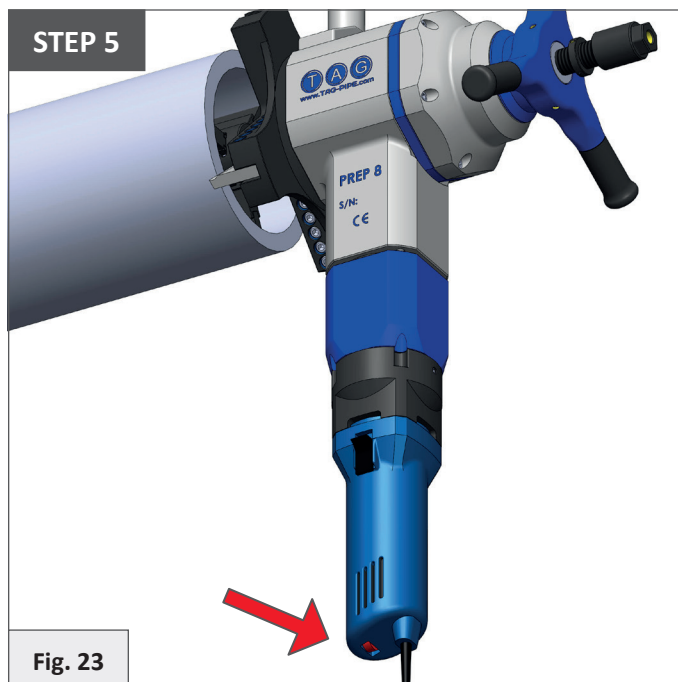
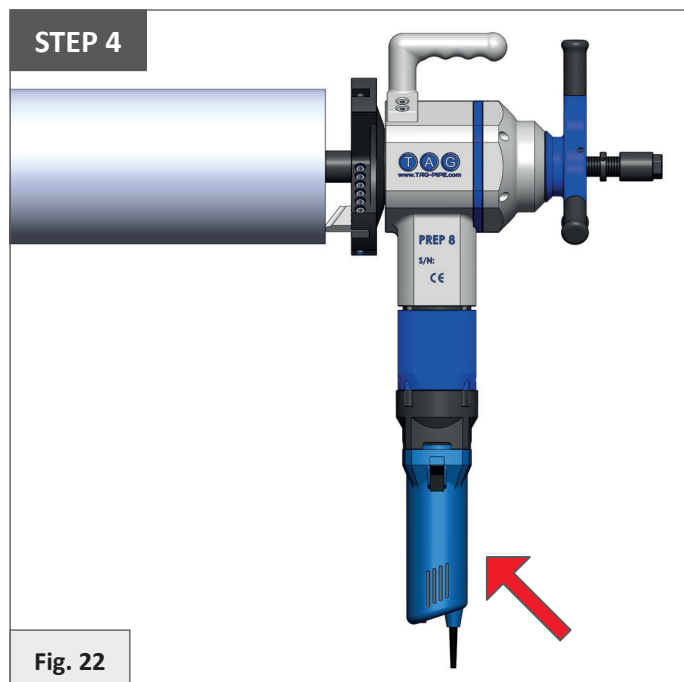
**PNEUMATIC MODEL** - Connect the air hose to the machine and to the air system.

**! WARNING** - Size of air hole  $\frac{3}{4}$ " and air consumption 50 cfm or 1400 l/min. air working pressure 90 PSI or 6,5BAR.

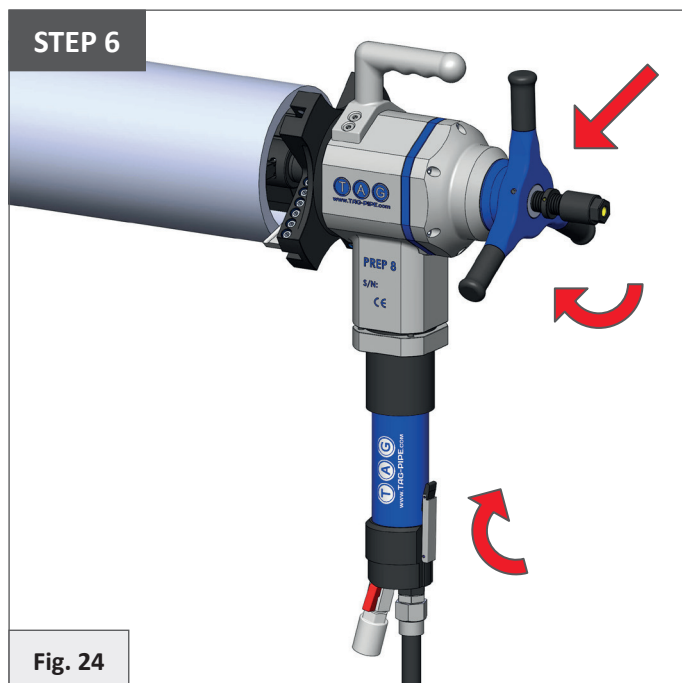


Actuate the machine by pressing the lever as shown by the arrows in the picture, regulate the rpm on the chuck by the res valve close to the exauste.

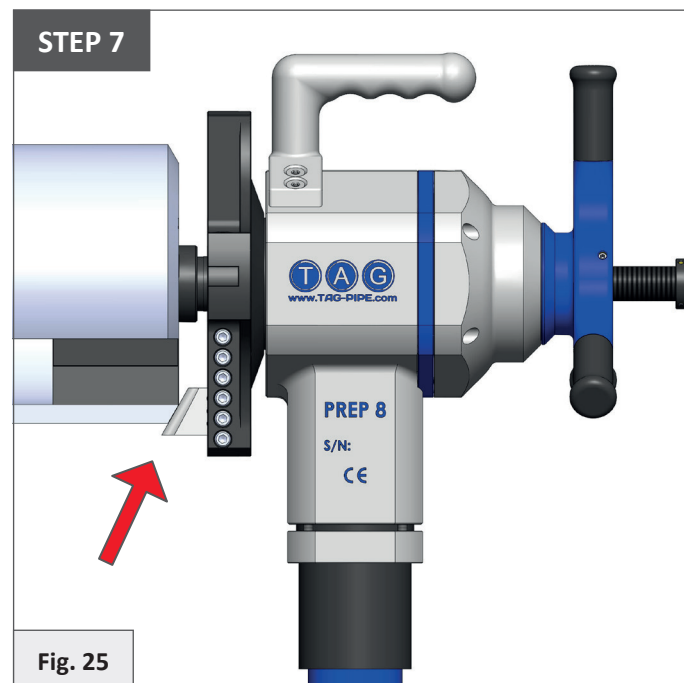
## ELECTRIC MODEL



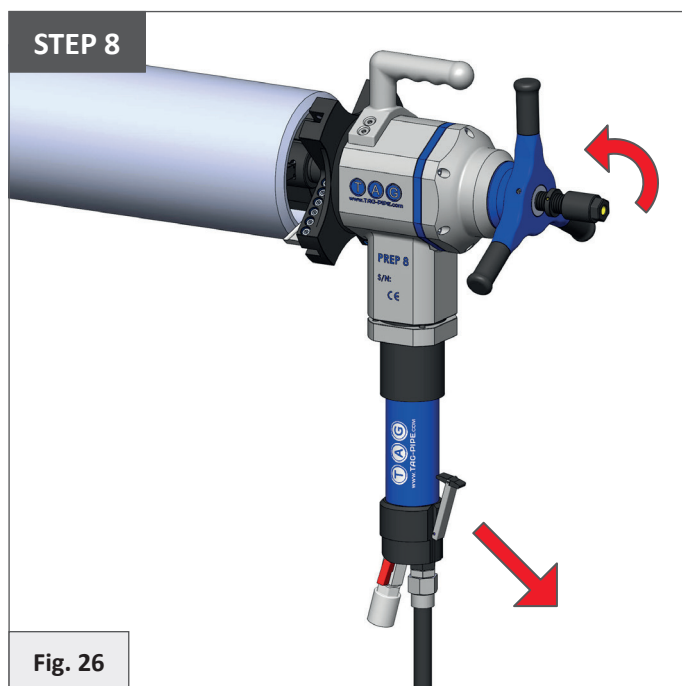
Connect the cable to the 220V/110V and actuate the machine by pressing the switch shown by the arrows in the picture. On the bottom of the electric motor there is the speed control to regulate the rpm on the chuck.



The machine feeding is achieved by acting on the hand wheel as shown in the picture. For a perfect result it is important you to maintain a constant feeding rate.



**⚠ WARNING** - During the operation, the bevelling tool should never come in contact with the locking jaws as they may be damaged.

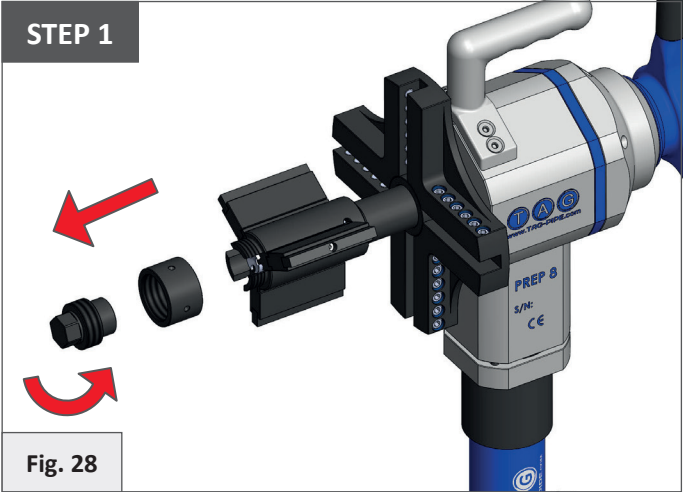


When the job is finished release the security lever and the machine will automatically stop.

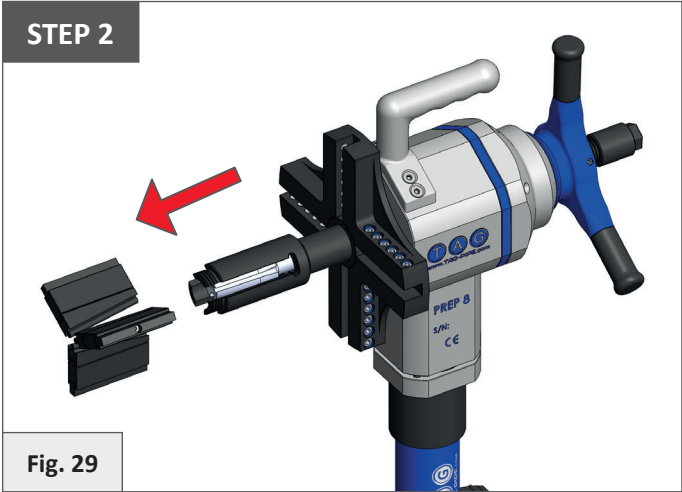


To remove the machine from the pipe remove the lock/unlock nut using the wrench supplied with the machine.

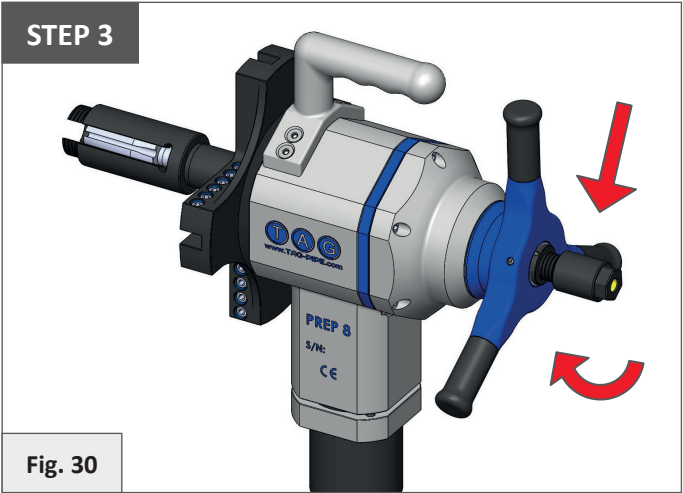
8.4 - ELBOW SHAFT ASSEMBLY KIT



Unscrew the shaft end nut and the shaft ring



Remove the locking jaws.



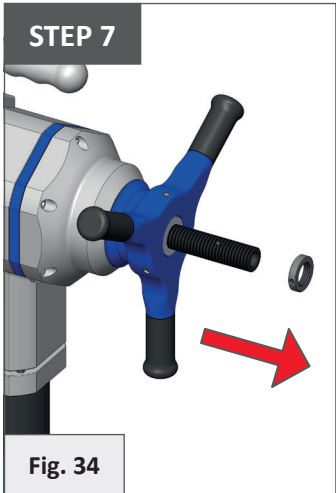
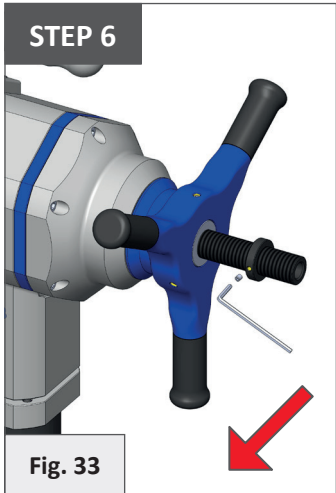
Rotate the lock/unlock nut in clockwise way



By using long nose pliers rotate clockwise the inside shaft until it comes out

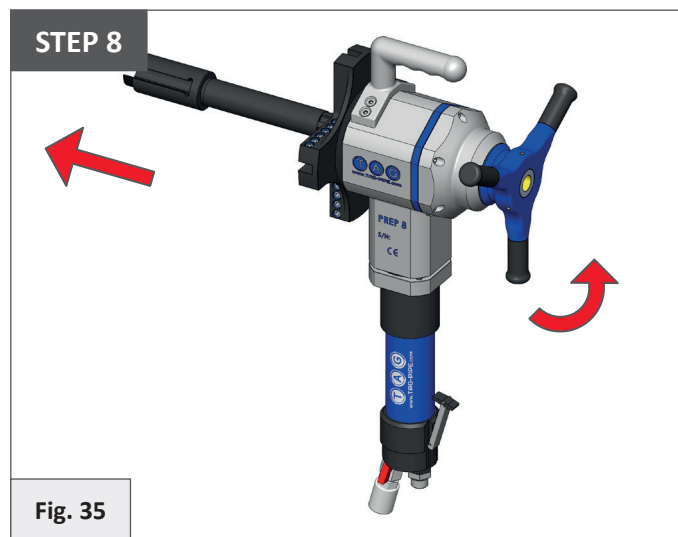


Rotate the lock/unlock nut in anti-clockwise way

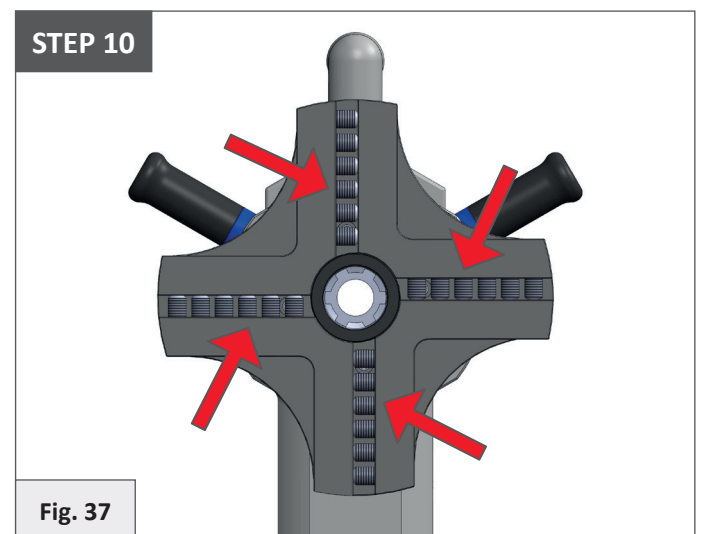
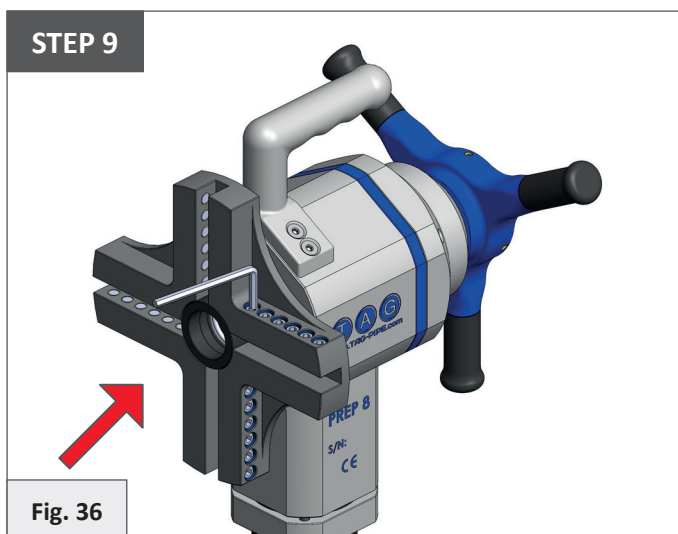


Remove the Allen screw from the ring and stop ring.

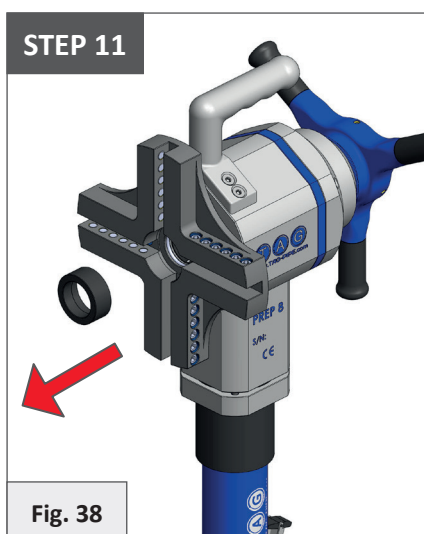




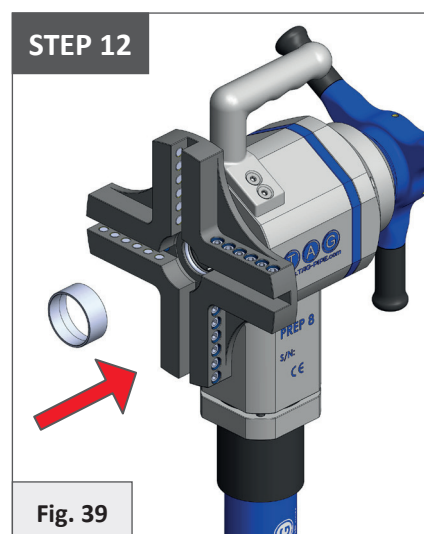
Remove the outside shaft by rotation the feeding wheel anti-clockwise



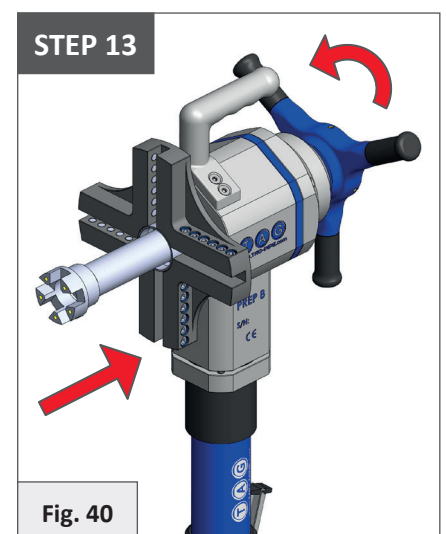
Screw all grub screws to be able to take out the bush.



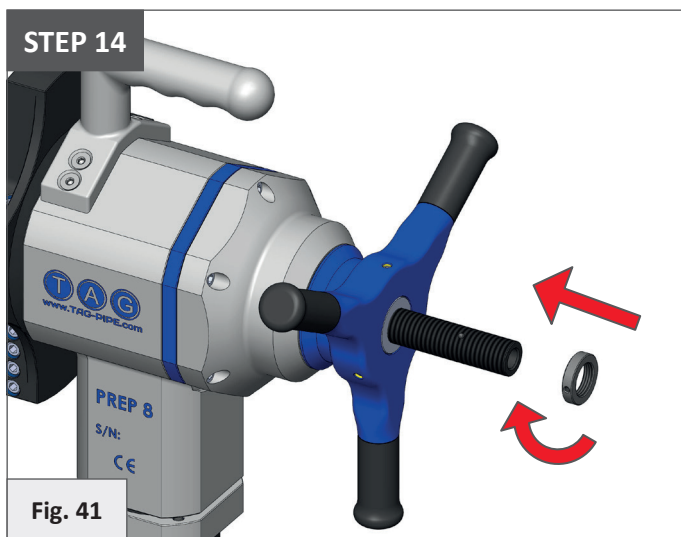
Take out the bush and change with the one from the elbow kit.



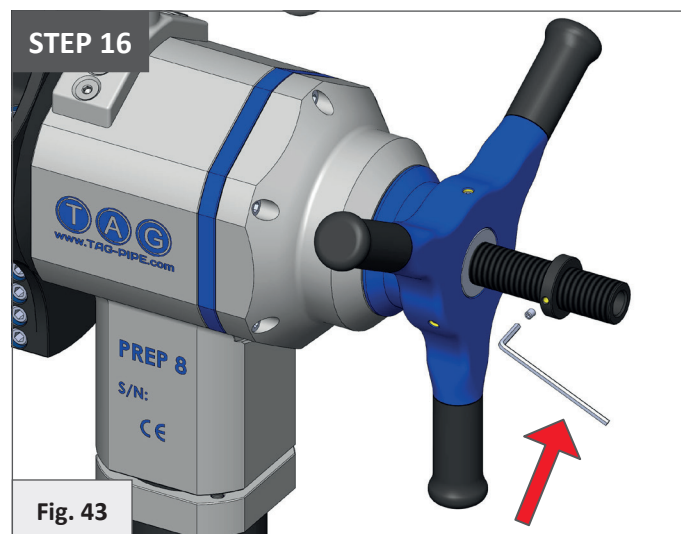
Put in the new bush from elbow kit



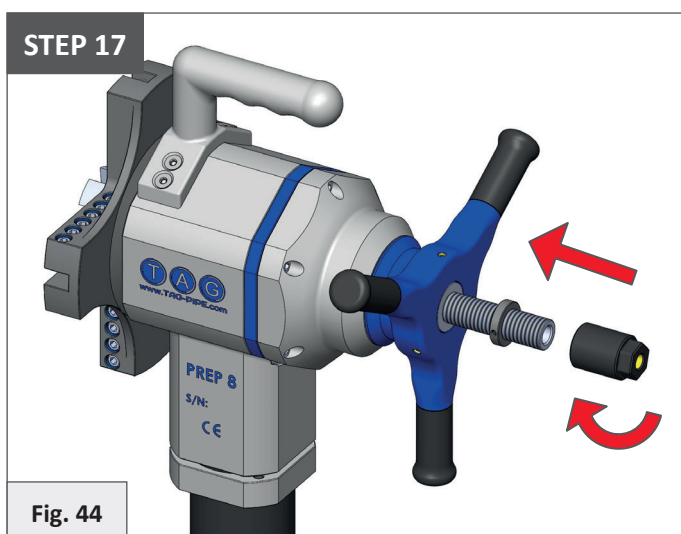
Take outside elbow shaft from the elbow kit and turn the feed wheel



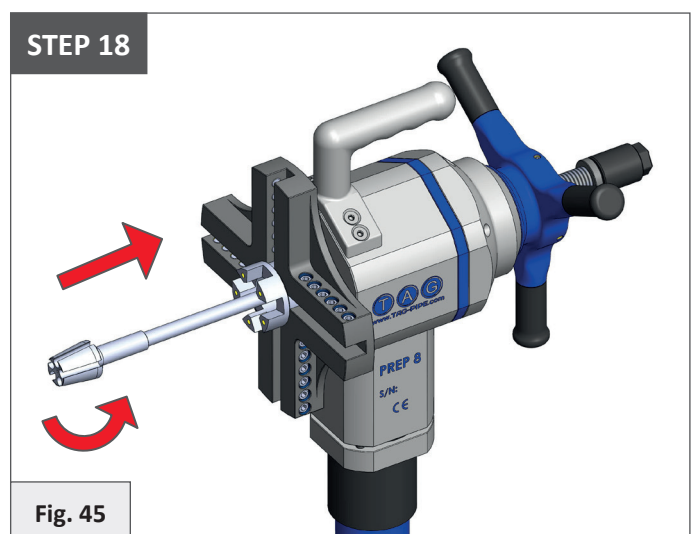
Screw on the stop ring up to position on Elbow outside shaft



Lock the ring by screw and allen key.



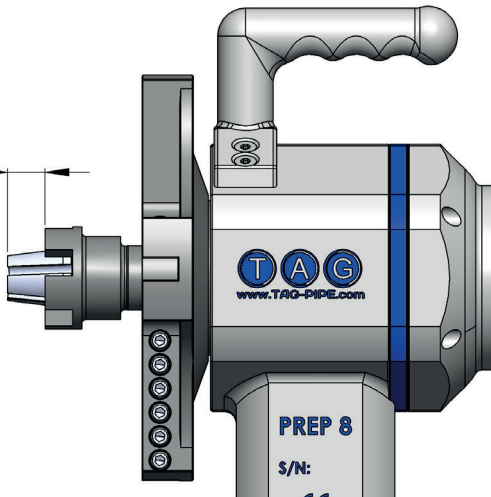
Screwing on the jaws lock/unlock nut.



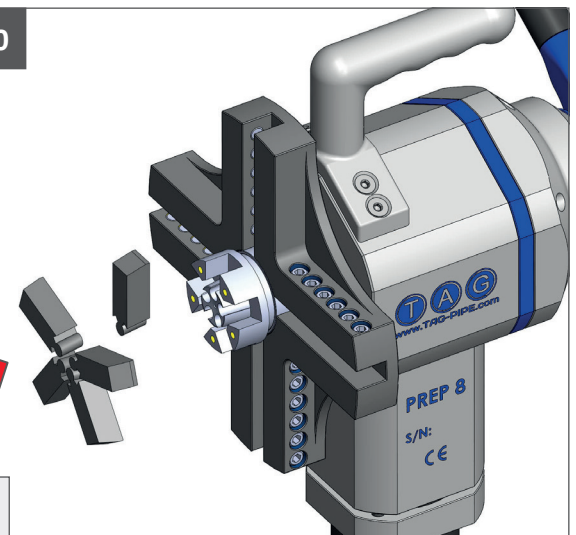
Then insert the inside elbow shaft provided in kit (Reverse threaded).

**STEP 19**

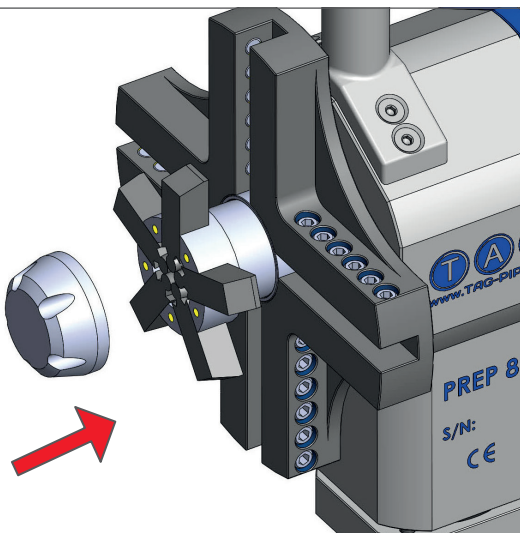
20mm

**Fig. 46**

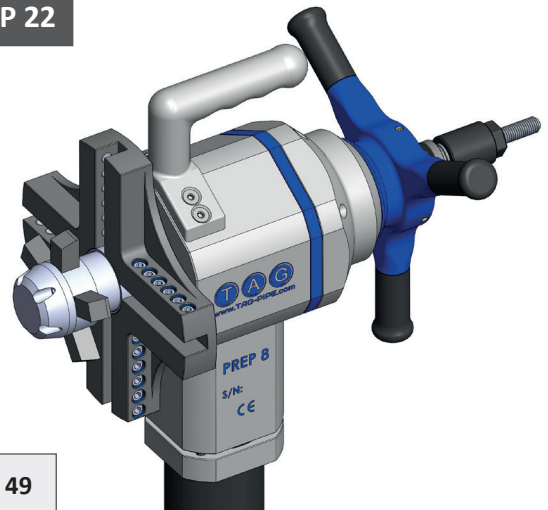
Screw in anti-clockwise until have 20mm from the top of inside shaft to the head of outside shaft.

**STEP 20****Fig. 47**

Insert the locking jaws size required. Slot jaws into groove on inside shaft.

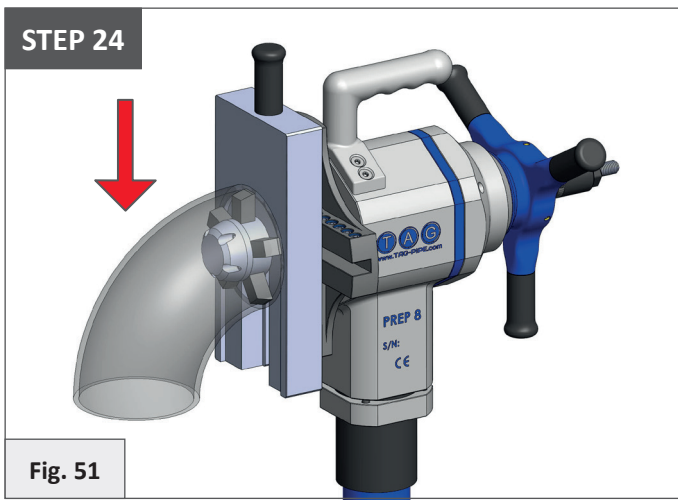
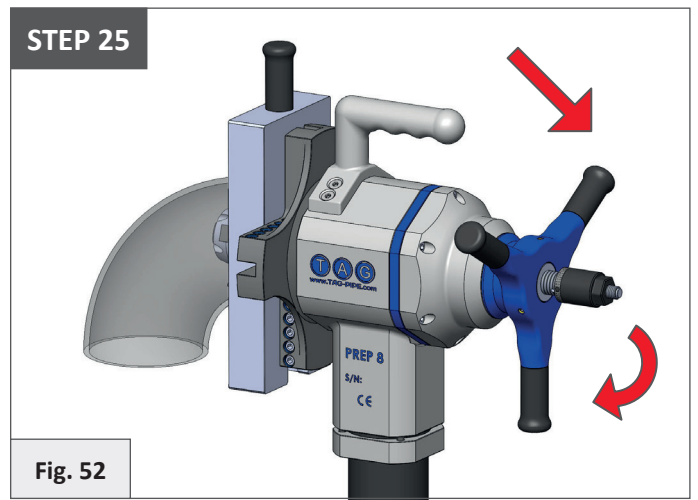
**STEP 21****Fig. 48**

Place locking jaws securing cap on and tighten 5x screws.

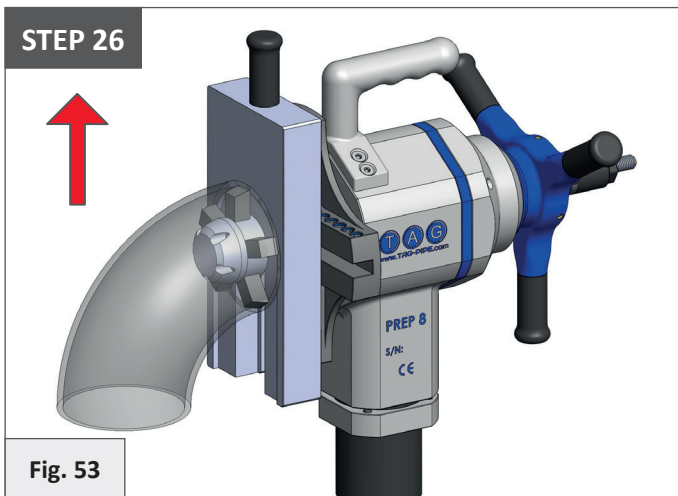
**STEP 22****Fig. 49****STEP 23****Fig. 50**

Place machine into elbow and loosely lock.



**STEP 24****STEP 25**

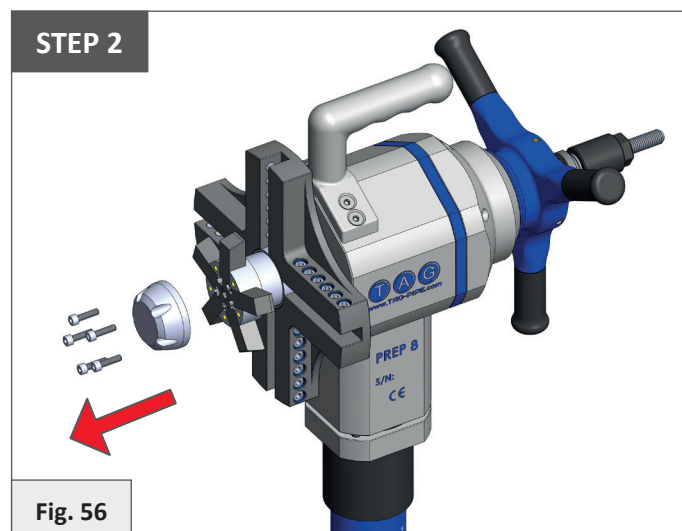
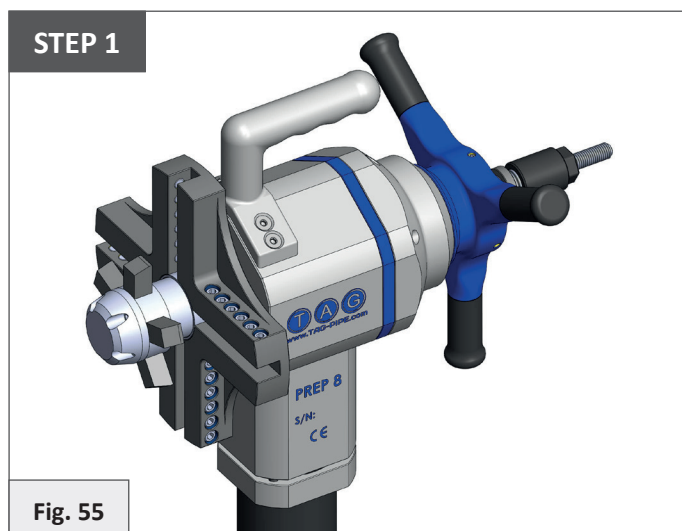
Insert elbow positioner between elbow and chuck.  
Turn feed wheel clockwise tight to straighten the elbow in locking jaws.

**STEP 26****STEP 27**

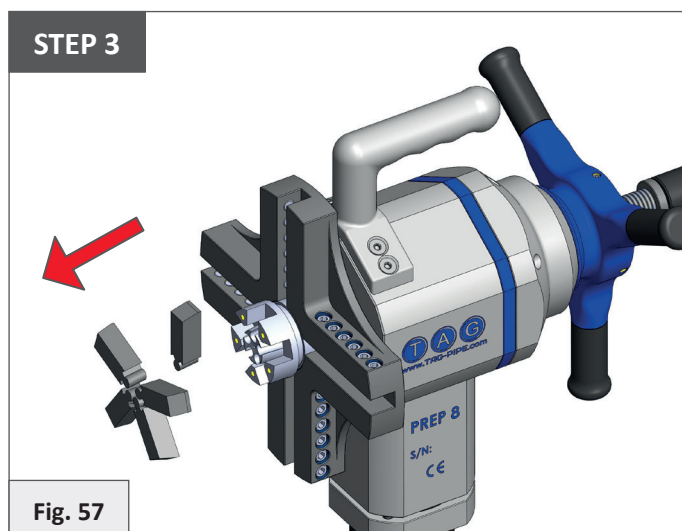
Remove elbow positioner

⚠ Now you can set up the cutters as shown previous instruction

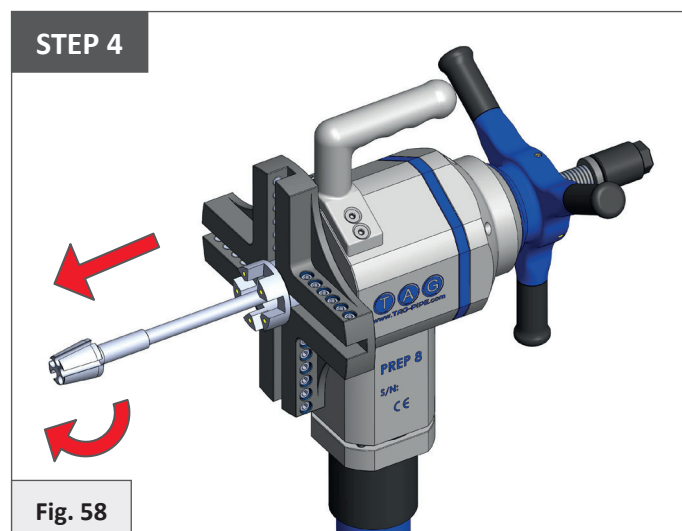
## 8.5 - STANDARD SHAFT ASSEMBLY KIT



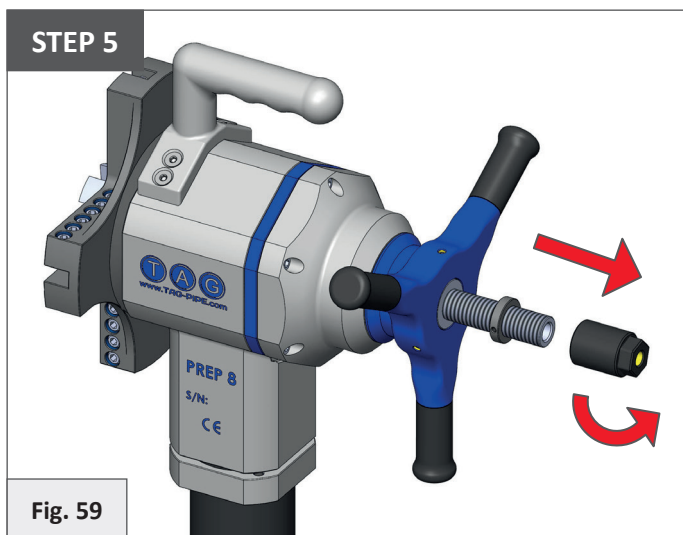
Unscrew the 5 screws and remove the cap.



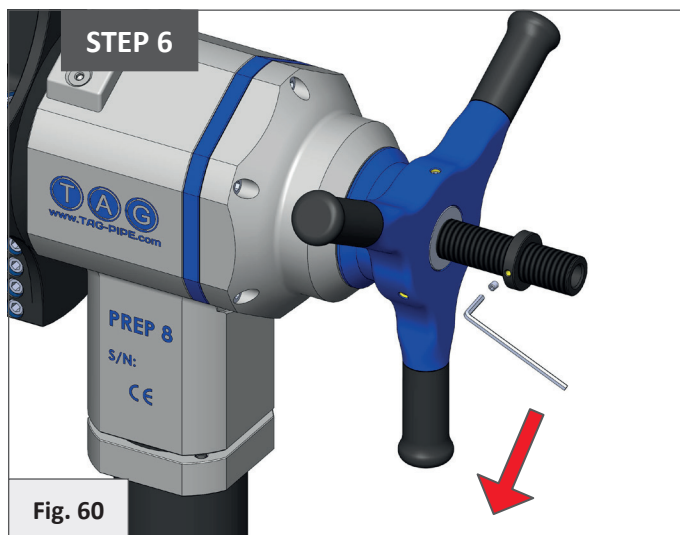
Remove the jaws one by one.



Rotate clock-wise the inside shaft and remove



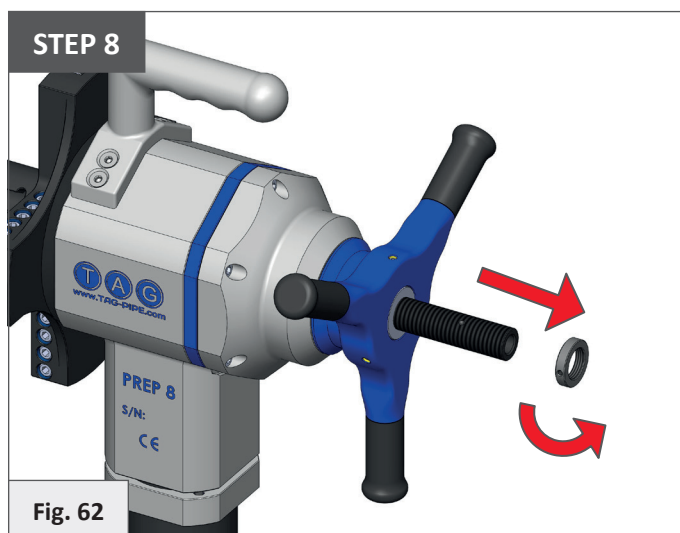
Unscrew the jaws lock/unlock nut anti-clock wise.



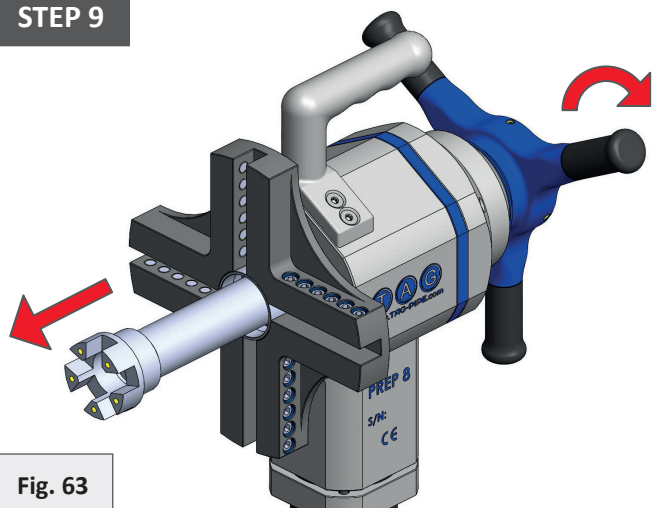
Unscrew the ring by screw and allen key.



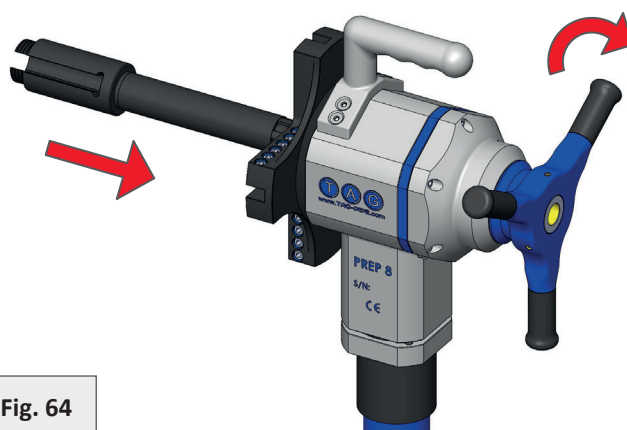
Unscrew the stop ring from Elbow outside shaft



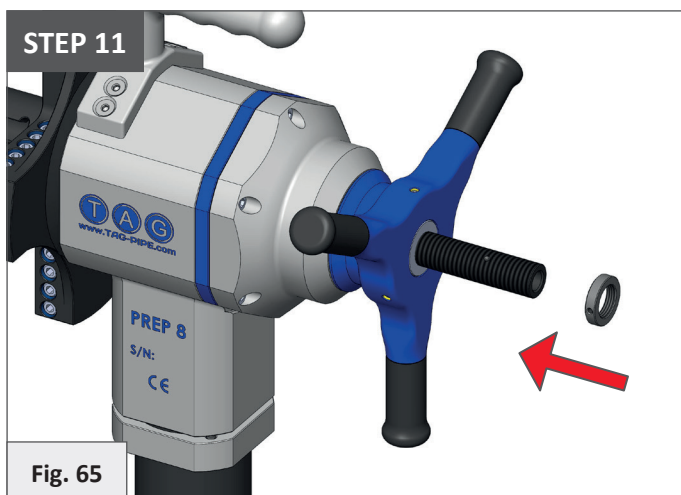
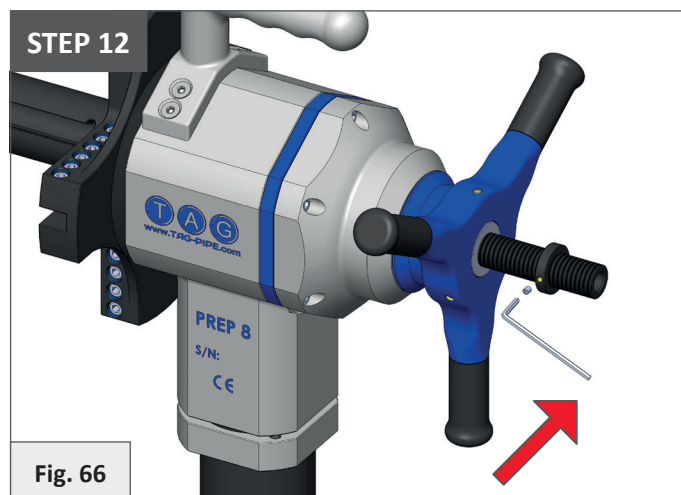


**STEP 9****Fig. 63**

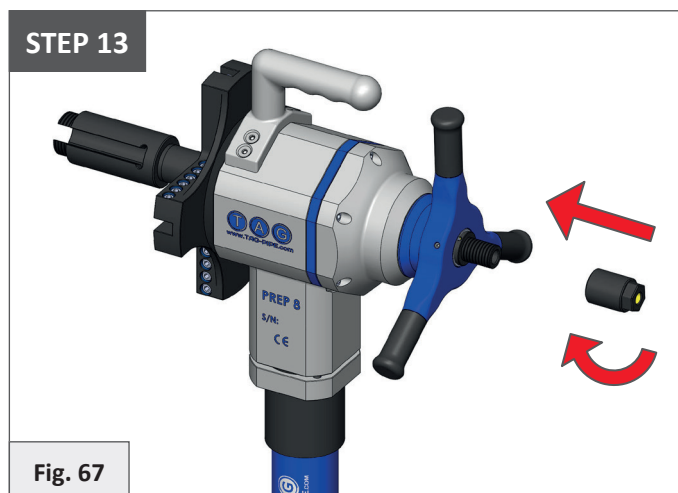
Turn the feed wheel anti-clock wise to be able to remove the outside elbow shaft.

**STEP 10****Fig. 64**

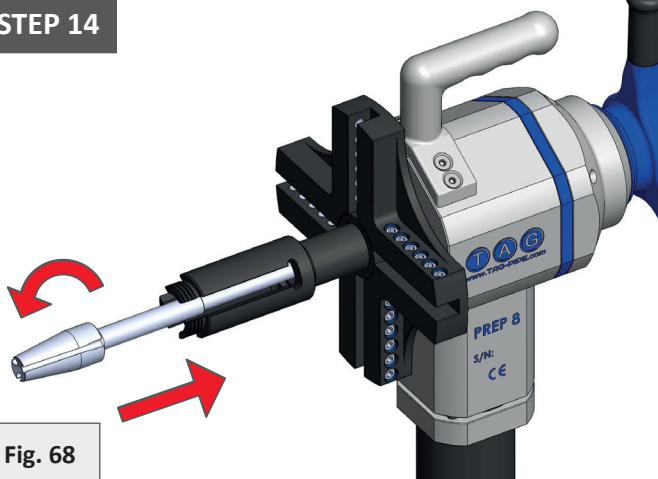
Insert the outside shaft by rotation the feeding wheel clockwise.

**STEP 11****Fig. 65****STEP 12****Fig. 66**

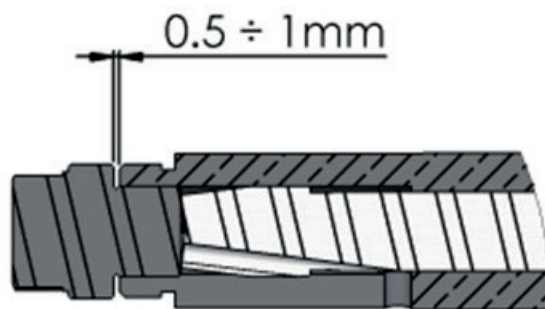
Screw the stop ring and tighten with allen screw

**STEP 13****Fig. 67**

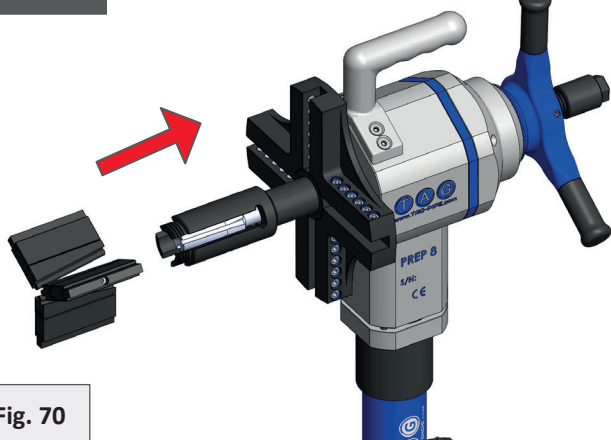
Rotate the lock/unlock nut in clockwise way

**STEP 14****Fig. 68**

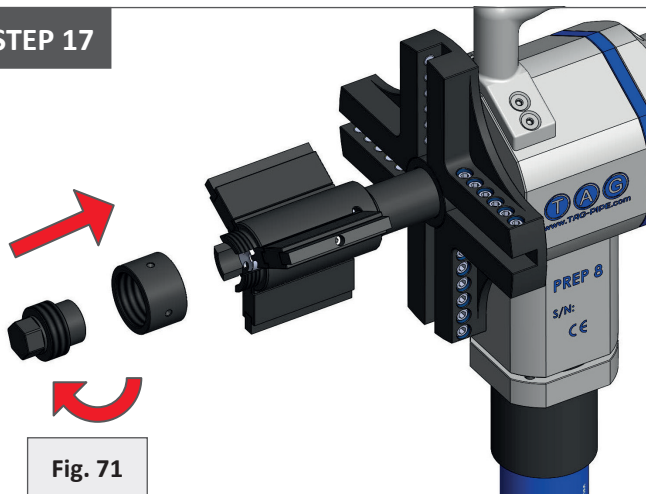
By using long nose pliers rotate anti-clockwise the inside shaft

**STEP 15****Fig. 69**

Insert and screw inside shaft anti-clock wise direction till have 0,5/1 mm gap between the shaft as shown in the picture. Use the shaft end nut to measure the gap.

**STEP 16****Fig. 70**

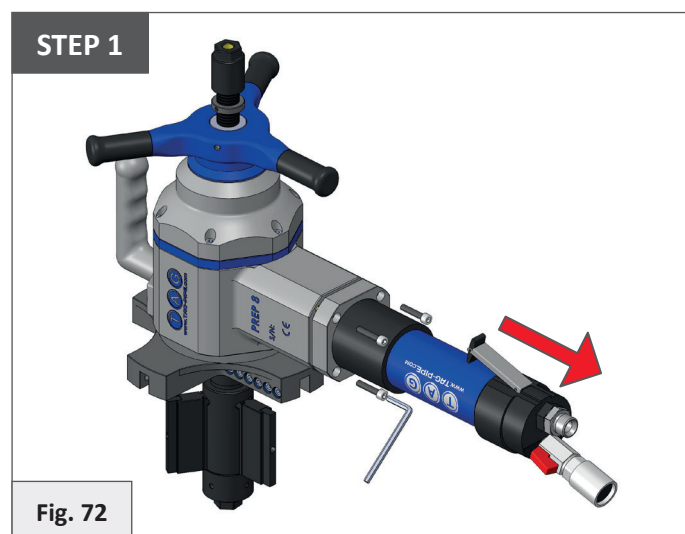
Insert the locking jaws according to the diameter pipe

**STEP 17****Fig. 71**

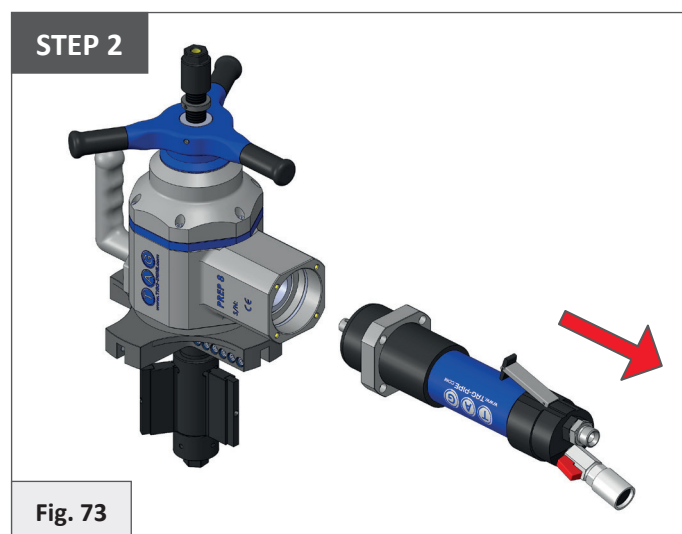
Screw the shaft end nut and the shaft ring

## 8.6 - DRIVE KIT REPLACEMENT

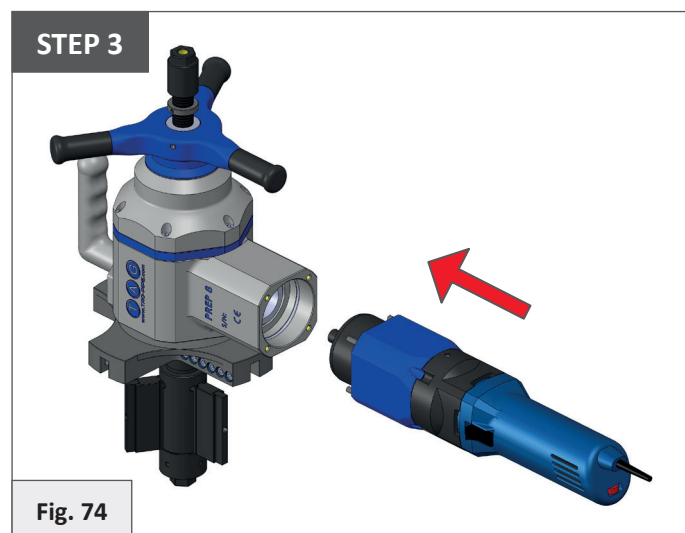
**⚠** Before replacing the transmission kits, make sure that you have eliminated any connections that may accidentally activate the machine.



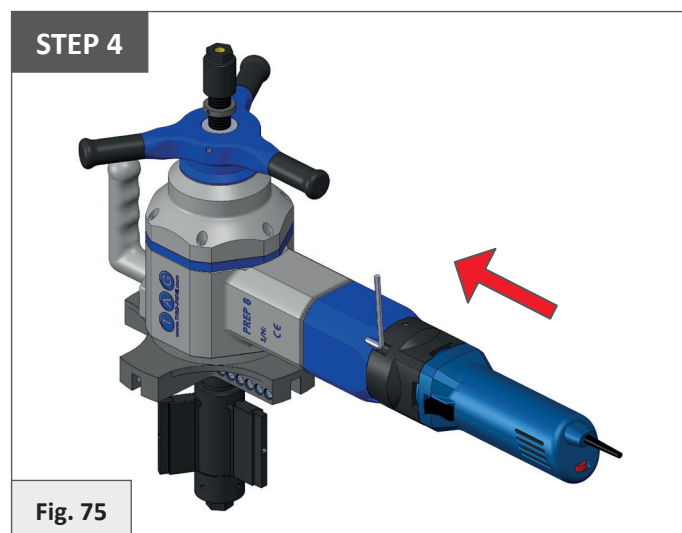
Remove the 4 screws as shown in the image.



Remove the pneumatic transmission kit.



Insert the transmission electric kit



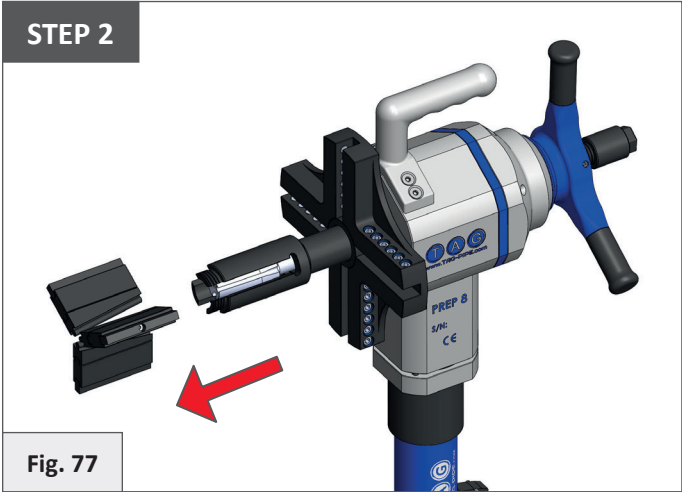
Screwing the 4 screws.



8.7 - AUTOMATIC LOCKING DEVICE KIT



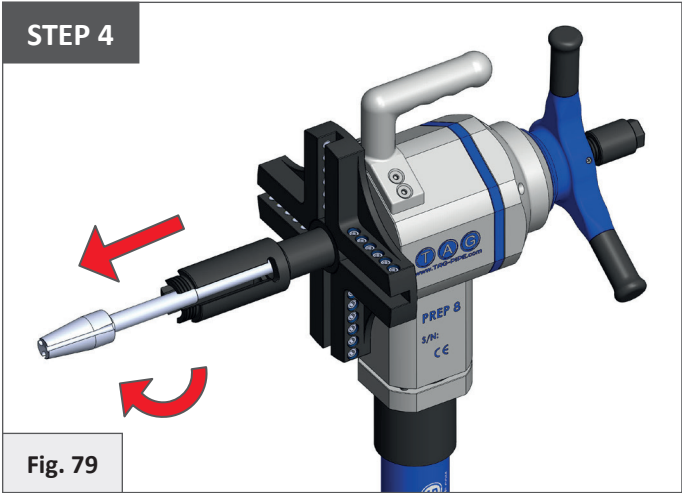
Unscrew the shaft end nut and the shaft ring anti-clockwise



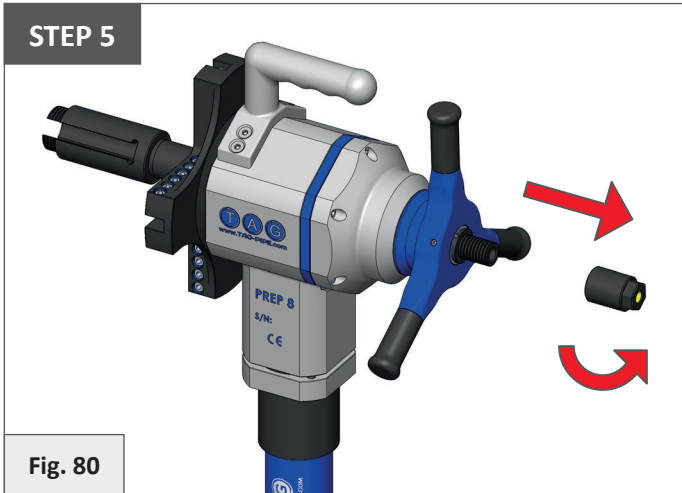
Remove the locking jaws.



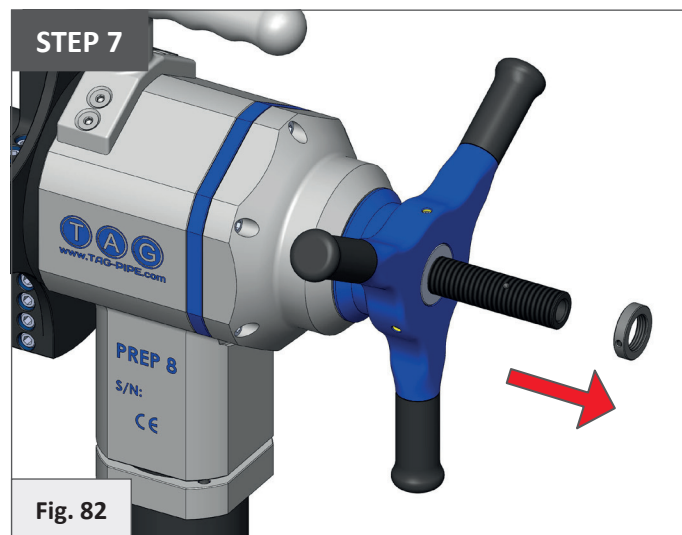
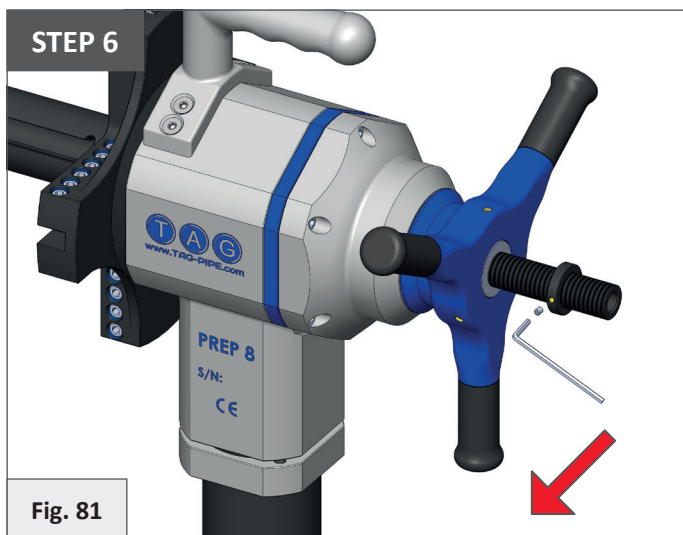
Rotate the lock/unlock nut in clockwise way



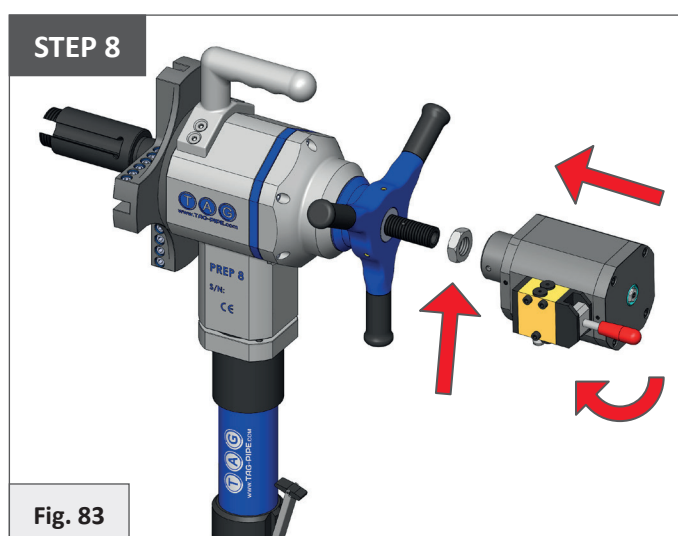
By using long nose pliers rotate clockwise the inside shaft until it comes out



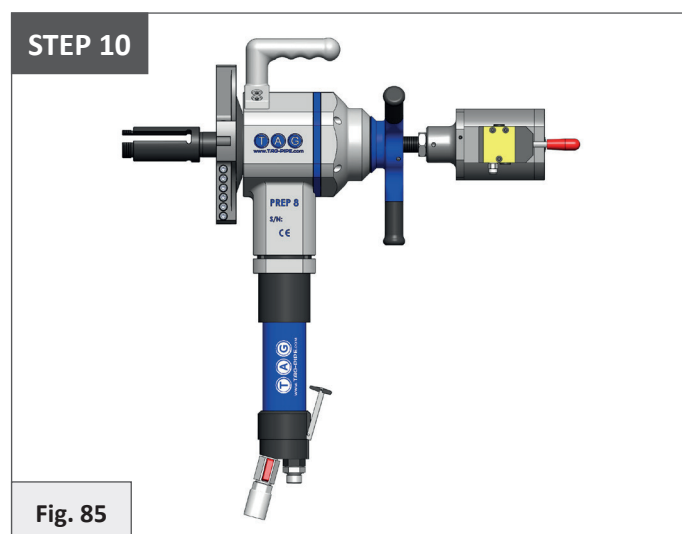
Rotate the lock/unlock nut in anti-clockwise way



Remove the allen screw from the ring and remove stop ring



Screw the locking device nut and the locking device clockwise till it stops



Turn in the right position and lock the nut against the locking device

# STEP 11

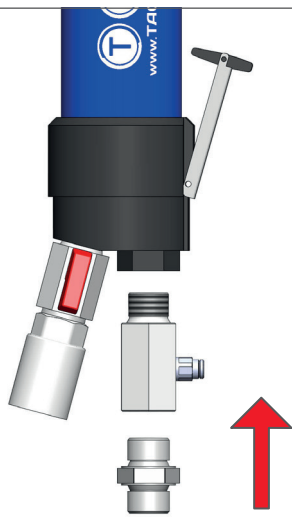


Fig. 86

Screw in the special connection as shown in the picture

# STEP 12

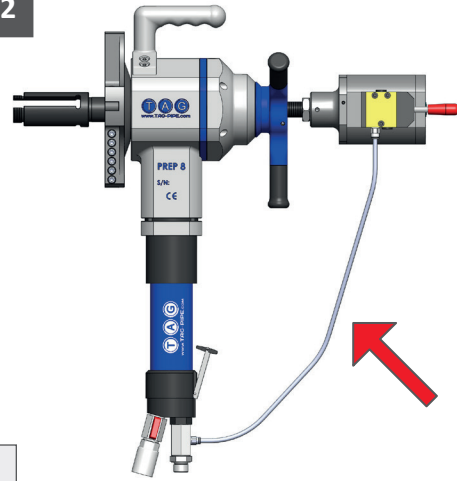


Fig. 87

Connect the hose from the special connector to the locking device

# STEP 13

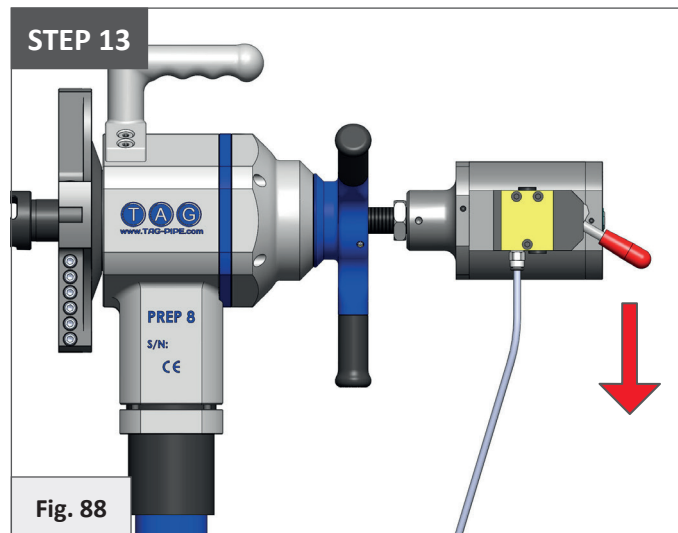


Fig. 88

Connect the air and move the lever down to achieve the max forward piston

# STEP 14

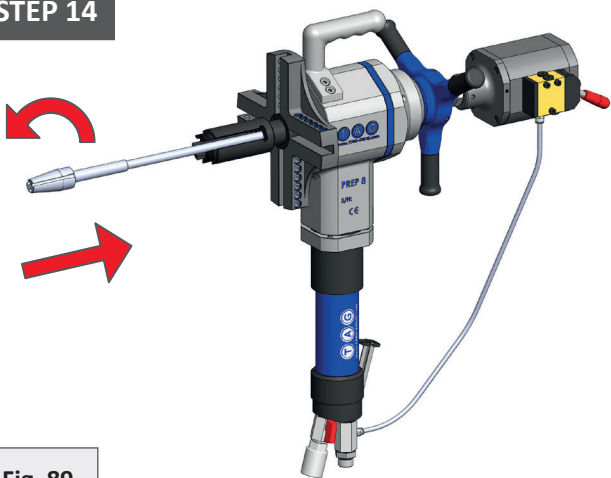


Fig. 89

Insert the inside shaft and screw in anti-clock wise direction till have 0,5/1 mm gap between the shaft as shown in the picture above.

# STEP 15

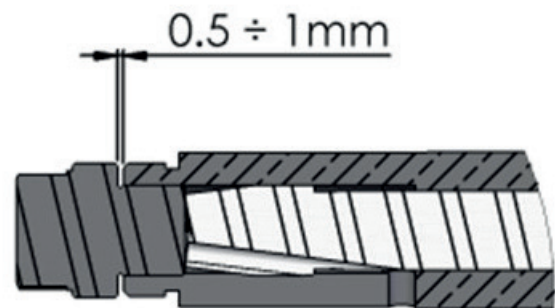


Fig. 90

# STEP 16

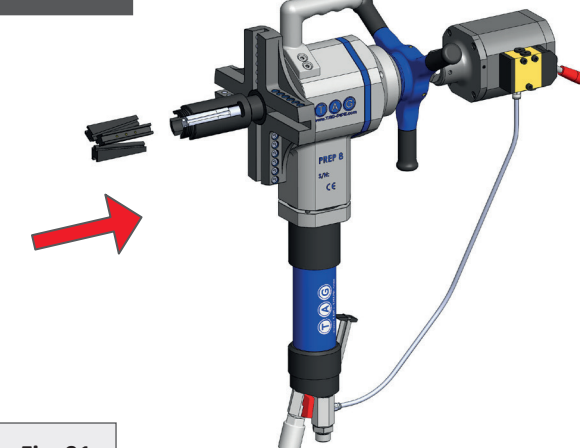


Fig. 91

Select the locking jaws according to the diameter of the pipe and install them on the inside shaft as shown in the picture

# STEP 17

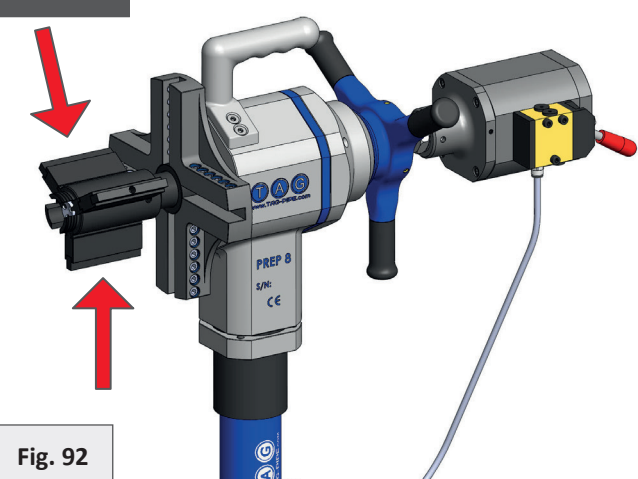


Fig. 92

# STEP 18

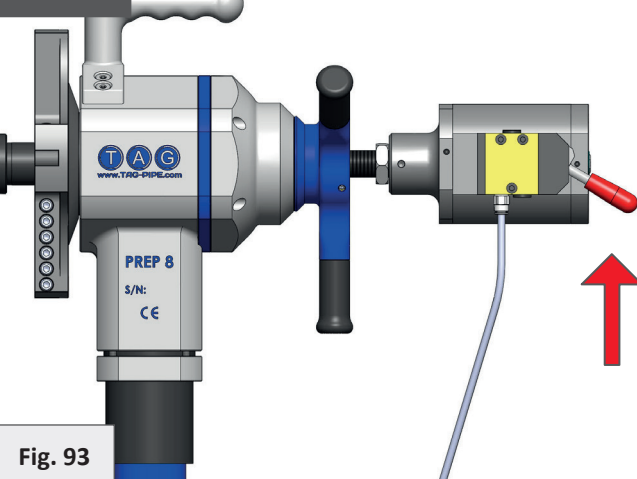


Fig. 93

Connect the air and with your hand hold the jaws in position, move the lever up to achieve the backward position of inside shaft.

# STEP 19

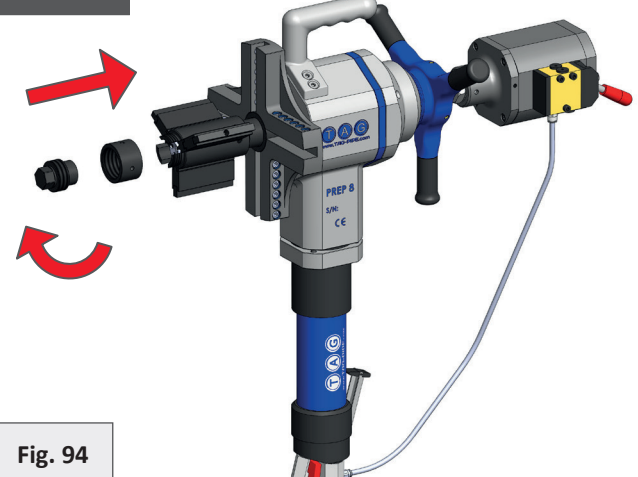


Fig. 94

Screw back on clockwise the shaft ring nut all way down and then the shaft end nut

# STEP 20

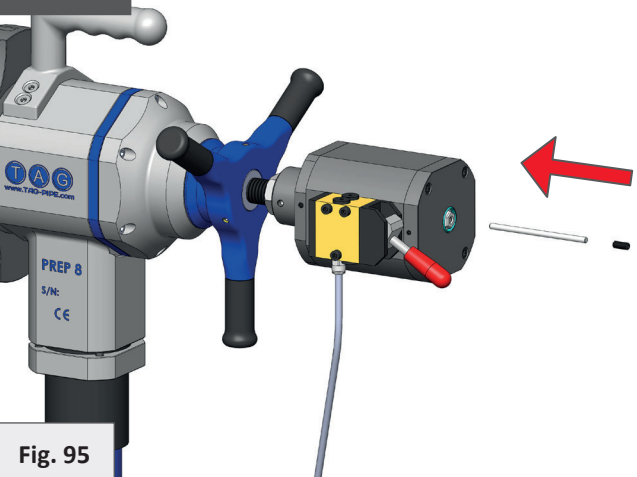


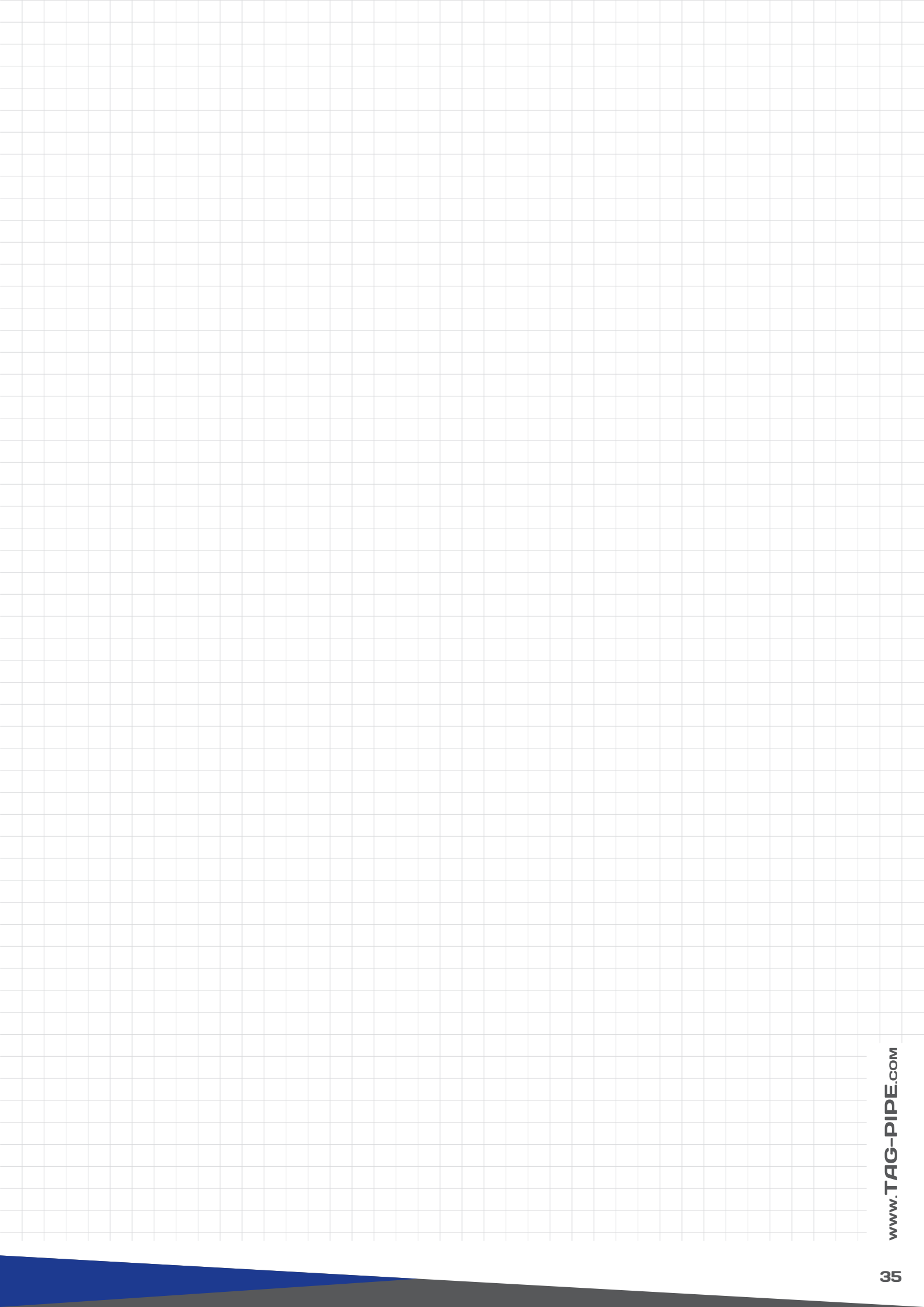
Fig. 95

Insert the pin inside the locking device and lock with the first grub screw shown in the picture and later the second one.











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