

PIPE EQUIPMENT SPECIALISTS LTD PIPE BEVELLING MACHINE PRODUCT SUMMARY





PIPE EQUIPMENT SPECIALISTS LTD

FROM PIPE CUTTING, TO BEVELLING, TO ALIGNING, TO PURGING, TO HANDLING: TAG PIPE OFFER THE SOLUTIONS AND EXPERTISE TO MAKE YOUR JOB FASTER, EASIER, MORE ACCURATE AND MORE EFFICIENT FOR BOTH WORKSHOP AND ON SITE ENVIRONMENTS.

With more than 30 years experience in the manufacture and supply of pipework fabrication machinery, tools and handling equipment and due to our consistent high level of quality, both in our products and service, **TAG PIPE EQUIPMENT SPECIALISTS LTD** are pleased to be recognised as one of the worlds leading manufacturers and suppliers of:

PRODUCTS:

- Pipe Bevelling Machines
- Pipe Cold Cutting Machines
- Pipe Flame Cutting and Bevelling Machines
- Pipe Alignment/Welding Clamps
- Pipe Jack Stands
- Pipe Purging Equipment
- Pipe Tools
- Pipe Stoppers
- Plate Bevelling Machines
- Manipulation Equipment

Our products are used in both workshop and on-site environments across various Industries worldwide including:

INDUSTRIES:

- Oil And Gas
- Pipelines
- General Fabrication
- Offshore
- Welding
- Ship Building
- Vessel Manufacturing
- Power Generation
- Fower deficiation
- Boiler Industry

- Petrochemical
- Pharmaceutical
- Refineries
- Turbine
- Nuclear
- Heat Exchangers
- Dairy
- And Many More...

With offices and warehousing on 4 continents and more than 120 distributors worldwide **TAG PIPE** prides it's self on consistently offering the highest standard of service to our customers. We work extremely hard supporting and training our network of distributors to ensure that from **TAG PIPE** you receive the:

CUSTOMER SERVICE:

- Highest Quality Products
- Fastest Response Times
- Quickest Delivery Times
- Competitive Prices
- Most Knowledgeable & Accurate Sales Advice
- Committed After Sales Support
- Innovative And Ever Improving Designs and New Products







All The Equipment In This Brochure Is Available For Hire Worldwide

TAG PIPE EQUIPMENT SPECIALISTS LTD operate a Full, Worldwide Hire & Rental Service, and is are world leading supplier to many of the world's leading power utilities companies and sub-contractors, utilising our extensive range of pipework fabrication equipment.

Our hire fleet is constantly expanding and improving. A new investment in a tailored hire software system has been made to simplify all of your hire needs. Please contact our Hire Department via any of these means:

Tel: +44 (0) 1869 324 144 • E-mail: hire@tag-pipe.com















RANGE: 20 - 42 mm i/d Optional from 12,5 mm i/d)

Functions: External Bevelling

internalBevelling

Facing

Counterboring. Weld Removal

J-prepping Of tubeplate

Materials: Any kind of s teel and Exotic alloy

Power: Pneumatic/Electric (110v or 220v)

The smallest in our range of i/d locking, direct in-line feed end prep machines. The Prep 2 is small, lightweight, yet powerful, in electric(110v or 220v), or pneumatic drive form.

A 4 jaw tool holder(chuck) allows use of up to 4 form tools to enable weld preparation of thin wall tube, or heavy wall pipe. simultaneous external & internal bevelling and facing of tubes is simple, ideal for accurate repetitive work.

Its size, power, and functionality, make it extremely popular in high volume heat exchanger work, tube facing, weld removal, and J-prepping of the tube plate.



The PREP 2 is torque reactive. This means that the pipe or tube does not have to be fixed to be beveled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.



The Jaw system itself consists of 3 equilaterally positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention.

as the expansion nut is is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.





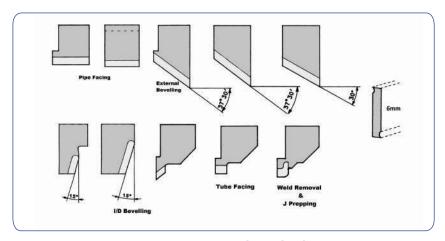
		pRep 2	pRep 2 e
Locking tube range	mm (i/d.)	20-42	20-42
Recommended working range	mm (o/d.)	1/2" -1 1/2"	1/2"-1 1/2"
Idle speed	rpm	200	220
Torque	kgm	2.5	3.6
Length of axial feed	mm	24	24
Max operating temperature	c°	55	55
Max acoustic radiation	dB	80	80
Pneumatic motor power	hp	0.5	-
Air consumption	cfm	20	-
Air working pressure	psi	90	-
Air hose connection	inches	1/2"	-
Electric motor power	watt	-	720
Voltage	volt	-	110/220
Frequency	Hz	-	50/60
Unit weight	kg	4,8	5,5
Packing dimensions	mm	570x420x100	570x420x100
Packing weight	kg	10.5	11.5

- O All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective carrying case.
- We strongly recommend the use of a portable filter lubricator with all our pneumatic models.

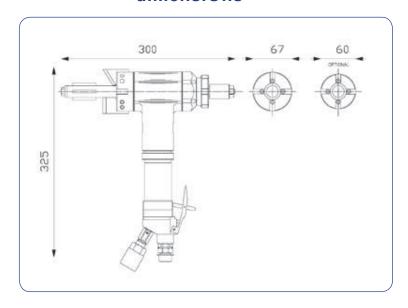


CUTTING TOOLS

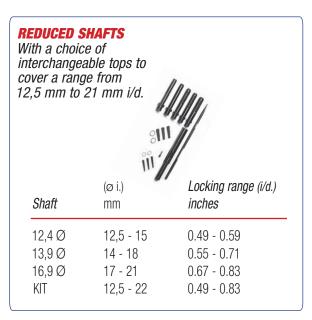
tag pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel. specialist geometry (speci c angles, radii, compound transition) bevel tools and tools for machining specially hard materials are also available.



dimensiOns



OPTIONS





RANGE: 28 - 76 mm i/d

(optional from 20 mm i/d)

Functions: External Bevelling

internal Bevelling

Facing

Counterboring Weld Removal

J-prepping Of tubeplate

Materials: Any kind of steel and Exotic alloy

Power: Pneumatic/Electric(110v or 220v)

t he prep 3 is one of our most popular i/d locking, in line feed end prep machines. the prep 3's power to weight ratio, in electric(110v or 220v), or pneumatic drive form is unrivalled. A 4 jaw tool holder(chuck) allows use of up to 4 insert or form tools to enable beveling of heavy wall pipe & tube, simultaneous external, internal and facing of tubes can be performed with ease for accurate repetitive work. its size, power, and functionality, makes it extremely popular in high volume boiler repair and maintenance work, tube facing, weld removal, and J-prepping of the tube plate.



Features & Advantages

The PREP 3 is torque reactive. This means that the pipe or tube does not have to be fixed to be beveled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.



The Jaw system itself consists of 3 equilaterally positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention.

as the expansion nut is is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.



		pRep 3	pRep 3 E
locking tube range	mm (i/d.)	28-76	28-76
Recommened working range	" (o/d.)	1"-3"	1"-3"
idle speed	rpm	110	70
torque	kgm	8,5	14,1
length of axial feed	mm	40,5	40,5
max operating temperature	c°	55	55
max noise level	dB	80	80
pneumatic motor power	hp	0,80	-
air consumption	cfm	34-36	-
air working pressure	psi	20	-
air hose connection	inches	1/2"	-
electric motor power	watt	-	900
Voltage	volt	-	110/220
Frequency	Hz	-	50/60
unit weight	kg	8,2	9,2
packing dimensions	mm	630x500x130	630x500x130
packing weight	kg	19.5	20.5

All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.

Each machine is supplied with a protective metal carrying case.

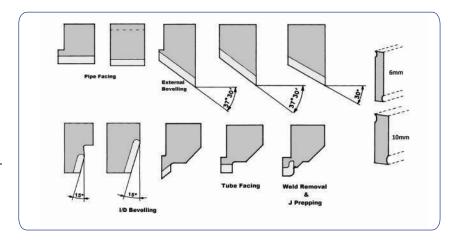
We strongly recommend the use of a portable filter lubricator with all our pneumatic models.



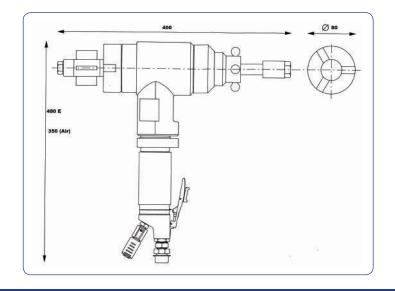
CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel.

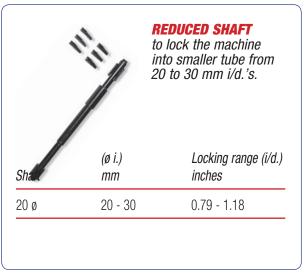
Specialist geometry (specific angles, radii, compound transition) bevel tools and tools for machining specially hard materials are also available.



DIMENSIONS



OPTIONS





RANGE: 20 - 108 mm i/d

Functions: External Bevelling

Internal Bevelling

Facing

Counterboring Weld Removal

J-Prepping Of Tubeplate

Materials: Any kind of steel and Exotic Alloy

Power: Pneumatic/Electric(110v or 220v)

The PRep 4 is one of our most popular i/d locking, inline feed end prep machines. The Prep 4's power to weight ratio, in electric(110v or 220v), or pneumatic drive form is unrivalled. A 4 jaw tool holder(chuck) allows use of up to 4 insert or form tools to enable beveling of heavy wall pipe & tube, simultaneous external, internal and facing of tubes can be performed with ease for accurate repetitive work. Its size, power, and functionality, makes it extremely popular in high volume boiler repair and maintenance work, tube facing, weld removal, and J-Prepping of the tube plate.



Features & Advantages

The PREP 4 is torque reactive. This means that the pipe or tube does not have to be fixed to be beveled, making it particularly useful on-site, in maintenance and repair situations. This is due to the design and strength of the thru shaft system that locks to the bore of the pipe.



The Jaw system itself consists of 3 equilaterally positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. These grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention.

As the expansion nut is is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.



		PreP 4 P	PrEP4 E
Locking tube range	mm (i/d.)	20-108	20-108
Recommened working range	" (o/d.)	1"-4"	1"-4"
Idle speed	rpm	70	70
Torque	kgm	9,5	15,1
Length of axial feed	mm	40,5	40,5
Max operating temperature	c°	55	55
Max noise level	dB	80	80
Pneumatic motor power	hp	1,33	-
Air consumption	cfm	34-36	-
Air working pressure	psi	90	-
Air hose connection	inches	3/4"	-
Electric motor power	watt	-	900
Voltage	volt	-	110/220
Frequency	Hz	-	50/60
Unit weight	kg	8.8	9,8
Packing dimensions	mm	600x570x200	600x570x200
Packing weight	kg	32.5	33.5

All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.

Each machine is supplied with a protective metal carrying case.

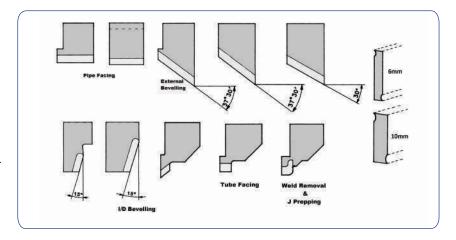
We strongly recommend the use of a portable filter lubricator with all our pneumatic models.



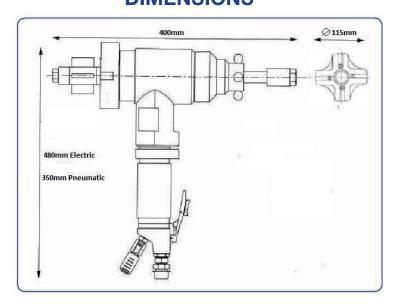
CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel.

Specialist geometry (specific angles, radii, compound transition) bevel tools and tools for machining specially hard materials are also available.



DIMENSIONS



Range: 50 - 203 mm i/d

• Functions: External Bevelling internalBevelling

Facing

Counterboring. Weld Removal

J-Prepping & Compound Bevels

Materials: Any kind of steel and Exotic alloy

Power: Pneumatic/Electric.(110v or 220v)

One of our most powerful and popular i/d locking, inline feed end prep machines. This is mainly due to its inpressive 2" to 8" working range and unrivalled power.

The prep 8 is a portable, one man operation machine, its power to weight ratio, and offset 4 jaw tool holder(chuck) allows use of up to 4 insert or form tools to enables simultaneous external, internal bevelling of even the heaviest wall pipe & tube.

the prep 8 is a real workhorse its size, power, and functionality, make it extremely popular in high volume heavy duty bevelling applications, on site, or in the fabshop.



Features & Advantages

the pRep 8 is torque reactive. this means that the pipe or tube does not have to be fixed to be beveled, making it particularly useful on-site, in maintenance and repair situations. this is due to the design and strength of the thru shaft system that locks to the bore of the pipe.



the Jaw system itself consists of 3 equilaterally positioned machined jaw segments, retained and locked on an inner, 'grooved' expansion shaft. these grooves keep the jaws held securely in position, unlike other systems that use a metal or rubber bands for jaw retention.

as the expansion nut is is tightened, the jaws expand, locking tightly, and square to the bore of the pipe.



		Pneumatic	Electric
Locking tube range	mm(i/d.)	50-203	50-203
Recommeded working range	" (o/d.)	2"-8"	2"-8"
Idle speed	rpm	45	30
Torque	kgm	36	36
Length of axial feed	mm	40	40
Max operating temperature	c°	55	55
Max noise level	dB	75	75
Pneumatic motor power	hp	1.8	-
Air consumption	cfm	50-55	-
Air working pressure	psi	90	-
Air hose connection	inches	3/4"	-
Electric motor power	watt	-	1800
Voltage	volt	-	110/220
Frequency	Hz	-	50/60
Unit weight	kg	22	24
Packing dimensions	mm	740x550x235	740x550x235
Packing weight	kg	39	40

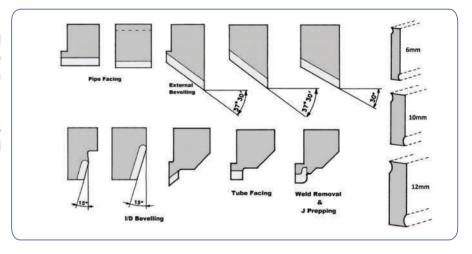


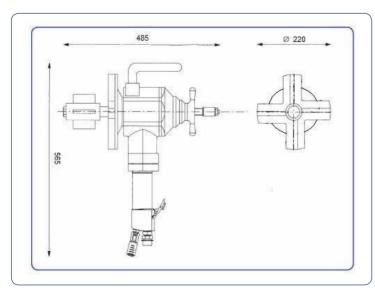
O Each machine is supplied with a protective metal carrying case.

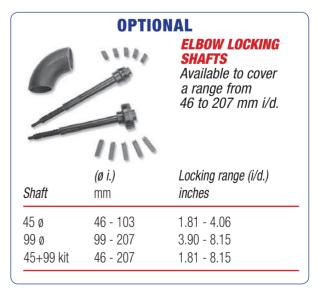


CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel. Specialist geometry(specific angles, radii, compound transition) bevel tools and tools for machining specially hard materials are also available.













PREP 16

Portable Pipe Bevelling Machine

RANGE: 72 -406 mm (2,8" - 16")

 Functions: External Bevelling internalBevelling

Facing

Counterboring. Weld Removal

J-prepping & compound Bevels

Materials: Any kind of steel and Exotic alloy

Power: Pneumatic/Electric.(110v or 220v)

The Prep 16 is the first in TAG's new range of a heavy duty mid-large diameter beveling machines.

Offering ratchet i/d jaw locking, as well as Ratchet bevel feed control for effortless heavy wall preps. Offered with a 3 HP Pneumatic or 1750 Watt electric motor any bevel geometry can be performed within the impressive 3-16 inch range.

J-preps, counter boring, and facing can all be performed, simultaneously, using the correct tooling fitted in (up to) 4 heavy duty hardened multi-position tool holders. Due to its light weight, yet unrivalled power, the Prep 16 is ideal for on-site, off shore, nuclear, and other applications were precision welds are required at an incredible value.



The Prep 16, and its bigger brothers, the Prep 20, and Prep 24, all utlise ratchet feed and locking. This allows effortless set-up, and enables the operator to deliver consistent feed with minimal effort.



To enable ease of set up, the machine is equipped with a double-sided yoke with removable extensions so the machine can be easily installed, and removed from the pipe.



Self-centering 70mm (2,75") one piece locking shaft with build in jaws, eleminates the issue of broken or loosening retaining springs and o-rings.



Innovative Wide locking jaws offer 6 point locking from 3 jaws giving superior clamping force for chatter free end preps.



The Prep 16 has unrivalled power and stability, utlising a ratchet system for both jaw locking, and bevel feed.

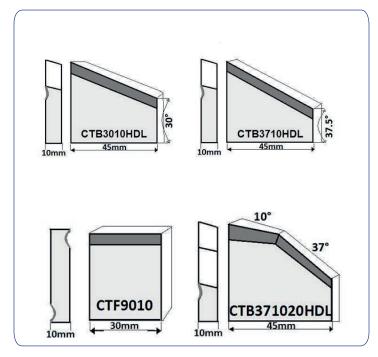


The PREP 16 can also be supplied as an electric version, with a 1750 watt heavy duty, in-line or right angle motor drive. Or a heavy duty 3.0 Hp Pneumatic motor

CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel. Specialist geometry bevel tools and tools for machining specially hard materials are also available.





TECHNICAL FEATURES

	MEASUREMENT	SPECIFICATION
I.D Locking range	mm / "	72-385 / 2,8-15.1
Pipe Bevelling Range	mm / "	72-406 / 2,8-16
Feed stroke	mm / "	50 / 2
Power	kW / HP	2,2 / 3,0
Air consumption	cfm / min	70 / 2,2m³
Air pressure	PSI / Bar	90 / 6,2
Machine Weight	kg / Lbs	57 / 125
Machine Dimensions	mm / "	700x 390x 390 / 27.5x 15.4 x 15.4
Total Shipping Weight	kg / Lbs	95 / 210
Total Shipping Dimensions	mm / "	760x500x560 / 29.9x19.7 x 22.1



RANGE: 100 -500 mm (4 - 20")

• Functions: External

Bevelling

InternalBevelling

Facing

Counterboring. Weld Removal

J-Prepping & Compound Bevels

Materials: Any kind of steel and Exotic alloy

Power: Pneumatic/Electric.(110v or 220v)

The Prep 20 is the Second in TAG's new range of a heavy duty mid-large diameter beveling machines.

Offering ratchet i/d jaw locking, as well as Ratchet bevel feed control for effortless heavy wall preps. Offered with a 3.5 HP Pneumatic boasting 7500Nm Torque or 3200 Watt electric motor any bevel geometry can be performed within the impressive 4-20 inch range. J-preps, counter boring, and facing can all be performed, simultaneously, using the correct tooling fitted in (up to) 4 heavy duty hardened multi-position tool holders. Due to its light weight, yet unrivalled power, the Prep 20 is ideal for on-site, off shore, nuclear, and other applications were precision welds are required at an incredible value.



The Prep 20, like the Prep 16 and Prep 24 utlise ratchet feed, and locking. This allows effortless setup, and enables the operator to deliver consistent feed with minimal effort.





Self-centering 100mm (4") one piece locking shaft with build in jaws, eleminates the issue of broken or loosening retaining springs and o-rings.



Innovative Wide locking jaws offer 6 point locking from 3 jaws giving superior clamping force for chatter free end preps.



The Prep 20 has unrivalled power and stability, utlising a ratchet system for both jaw locking, and bevel feed.

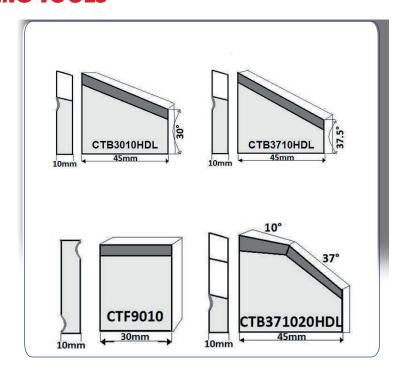


The PREP 20 can also be supplied as an electric version, with a 3200 watt heavy duty, in-line or right angle motor drive. Or a heavy duty 3.5 Hp Pneumatic motor

CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel. Specialist geometry bevel tools and tools for machining specially hard materials are also available.





TECHNICAL FEATURES

	MEASUREMENT	SPECIFICATION
I.D Locking range	mm / "	100-500 / 3.9-19.7
Pipe Bevelling Range	mm / "	100-508 / 4.0-20.0
Feed stroke	mm / "	60 / 2.4
Power	kW / HP	2,61 / 3,5
Air consumption	cfm / min	85 / 2,8m³
Air pressure	PSI / Bar	90 / 6,2
Machine Weight	kg / Lbs	88 / 194
Machine Dimensions	mm / "	860x 480x 480 / 33.9x 18.9 x 18.9
Total Shipping Weight	kg / Lbs	95 / 210
Total Shipping Dimensions	mm / "	970x 630x 675 / 38.2x 24.8 x 26.6



RANGE: 180 -609 mm (7 - 24")

Functions: External

Bevelling

InternalBevelling

Facing

Counterboring. Weld Removal

J-Prepping & Compound Bevels

Materials: Any kind of steel and Exotic alloy

Power: Pneumatic/Electric.(110v or 220v)

The TAG PREP 24 is the largest in TAG's new range of a heavy duty midlarge diameter beveling machines. Offering ratchet i/d jaw locking, as well as Ratchet bevel feed control for effortless heavy wall preps. Offered with a 3.5 HP Pneumatic boasting 12500Nm Torque or 3200 Watt electric motor any bevel geometry can be performed within the impressive 7-24 inch range. J-preps, counter boring, and facing can all be performed, simultaneously, using the correct tooling fitted in (up to) 4 heavy duty hardened multi-position tool holders. Due to its light weight, yet unrivalled power, the PREP 24 is ideal for on-site, off shore, nuclear, and other applications were precision welds are required at an incredible value.





Self-centering 150mm (5.9") one piece locking shaft with build in jaws, eleminates the issue of broken or loosening retaining springs and o-rings.



The PREP 24, as the Prep 16 and 20 utlise ratchet feed, and locking. This allows effortless set-up, and enables the operator to deliver consistent feed with minimal effort.



Innovative Wide locking jaws offer 6 point locking from 3 jaws giving superior clamping force for chatter free end preps.



The PREP 24 has unrivalled power and stability, utilising a ratchet system for both jaw locking, and bevel feed.

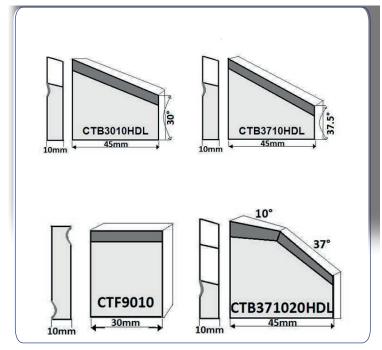


The PREP 24 can also be supplied as an electric version, with a 3200 watt heavy duty, in-line or right angle motor drive. Or a heavy duty 3.5 Hp Pneumatic motor

CUTTING TOOLS

Tag Pipe offer 2 grades of standard tooling, which will cope with the majority of beveling applications when working with carbon or stainless steel. Specialist geometry bevel tools and tools for machining specially hard materials are also available.





TECHNICAL FEATURES

	MEASUREMENT	SPECIFICATION
I.D Locking range	mm / "	180-600 / 7-23.6
Pipe Bevelling Range	mm / "	180-609 / 7-24.0
Feed stroke	mm / "	60 / 2.4
Power	kW / HP	2,61 / 3,5
Air consumption	cfm / min	95 / 2,8m³
Air pressure	PSI / Bar	90 / 6,2
Weight	kg / Lbs	139/ 307
Machine Dimensions	mm / "	940 x 640 x 640 / 37.0x 25.2x 25.2
Total Shipping Weight	kg / Lbs	229/ 504
Total Shipping Dimensions	mm / "	1060x780x830 / 41.7x30.7x32.7



OTHER PRODUCTS INCLUDE:

PIPE BEVELLING MACHINES







PIPE STANDS & BUGGIES







Our company policy is one of continuous improvement. Products may change or vary from those illustrated.

North America

> South America

Europe

Middle

Asia

Africa

Australia

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